

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY031924\  
 Data File : VY017707.D  
 Acq On : 19 Mar 2024 12:58  
 Operator : SY/MD  
 Sample : VY0319SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0319SBS01

Quant Time: Mar 20 03:03:01 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y022324S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Feb 24 04:41:20 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.807  | 168  | 150474   | 50.000 | ug/l  | 0.01     |
| 34) 1,4-Difluorobenzene    | 8.710  | 114  | 242039   | 50.000 | ug/l  | 0.02     |
| 63) Chlorobenzene-d5       | 11.508 | 117  | 216731   | 50.000 | ug/l  | 0.01     |
| 72) 1,4-Dichlorobenzene-d4 | 13.440 | 152  | 100871   | 50.000 | ug/l  | 0.01     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.161  | 65    | 63889    | 44.800   | ug/l | 0.02    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 89.600% |
| 35) Dibromofluoromethane    | 7.734  | 113   | 74703    | 44.292   | ug/l | 0.02    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 88.580% |
| 50) Toluene-d8              | 10.197 | 98    | 285613   | 48.434   | ug/l | 0.01    |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 96.860% |
| 62) 4-Bromofluorobenzene    | 12.495 | 95    | 86447    | 46.646   | ug/l | 0.01    |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 93.300% |

|                              |       |     |        |         |        |     |
|------------------------------|-------|-----|--------|---------|--------|-----|
| Target Compounds             |       |     |        |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.912 | 85  | 18091  | 16.298  | ug/l   | 98  |
| 3) Chloromethane             | 2.125 | 50  | 31609  | 15.586  | ug/l   | 99  |
| 4) Vinyl Chloride            | 2.259 | 62  | 40343  | 15.506  | ug/l   | 97  |
| 5) Bromomethane              | 2.662 | 94  | 36374  | 17.155  | ug/l   | 99  |
| 6) Chloroethane              | 2.808 | 64  | 28533  | 17.384  | ug/l   | 99  |
| 7) Trichlorofluoromethane    | 3.143 | 101 | 42778  | 16.132  | ug/l   | 99  |
| 8) Diethyl Ether             | 3.540 | 74  | 13933  | 17.914  | ug/l   | 97  |
| 9) 1,1,2-Trichlorotrifluo... | 3.918 | 101 | 27132  | 17.788  | ug/l   | 95  |
| 10) Methyl Iodide            | 4.113 | 142 | 31064  | 18.147  | ug/l   | 100 |
| 11) Tert butyl alcohol       | 4.972 | 59  | 8570   | 70.746  | ug/l # | 83  |
| 12) 1,1-Dichloroethene       | 3.893 | 96  | 25683  | 18.068  | ug/l   | 98  |
| 13) Acrolein                 | 3.747 | 56  | 11720  | 73.325  | ug/l   | 99  |
| 14) Allyl chloride           | 4.503 | 41  | 29436  | 17.138  | ug/l   | 96  |
| 15) Acrylonitrile            | 5.180 | 53  | 29393  | 91.933  | ug/l   | 98  |
| 16) Acetone                  | 3.960 | 43  | 27901  | 100.870 | ug/l   | 94  |
| 17) Carbon Disulfide         | 4.216 | 76  | 72635  | 17.024  | ug/l   | 98  |
| 18) Methyl Acetate           | 4.497 | 43  | 10857  | 16.179  | ug/l   | 96  |
| 19) Methyl tert-butyl Ether  | 5.247 | 73  | 58734  | 17.727  | ug/l   | 98  |
| 20) Methylene Chloride       | 4.741 | 84  | 37238  | 19.582  | ug/l   | 92  |
| 21) trans-1,2-Dichloroethene | 5.247 | 96  | 30068  | 18.066  | ug/l   | 97  |
| 22) Diisopropyl ether        | 6.143 | 45  | 74076  | 18.690  | ug/l   | 93  |
| 23) Vinyl Acetate            | 6.082 | 43  | 216243 | 91.560  | ug/l   | 98  |
| 24) 1,1-Dichloroethane       | 6.039 | 63  | 50443  | 18.629  | ug/l   | 98  |
| 25) 2-Butanone               | 7.003 | 43  | 36750  | 93.228  | ug/l   | 98  |
| 26) 2,2-Dichloropropane      | 7.003 | 77  | 41795  | 18.359  | ug/l   | 97  |
| 27) cis-1,2-Dichloroethene   | 7.009 | 96  | 35240  | 18.858  | ug/l   | 96  |
| 28) Bromochloromethane       | 7.356 | 49  | 17930  | 16.814  | ug/l   | 92  |
| 29) Tetrahydrofuran          | 7.368 | 42  | 20435  | 85.997  | ug/l   | 98  |
| 30) Chloroform               | 7.527 | 83  | 55728  | 19.331  | ug/l   | 99  |
| 31) Cyclohexane              | 7.807 | 56  | 39789  | 17.144  | ug/l   | 93  |
| 32) 1,1,1-Trichloroethane    | 7.722 | 97  | 46654  | 18.640  | ug/l   | 99  |
| 36) 1,1-Dichloropropene      | 7.935 | 75  | 39786  | 17.484  | ug/l   | 99  |
| 37) Ethyl Acetate            | 7.094 | 43  | 14863  | 16.537  | ug/l # | 94  |
| 38) Carbon Tetrachloride     | 7.923 | 117 | 40999  | 17.977  | ug/l   | 99  |
| 39) Methylcyclohexane        | 9.203 | 83  | 45453  | 16.620  | ug/l   | 98  |
| 40) Benzene                  | 8.179 | 78  | 124031 | 18.353  | ug/l   | 99  |

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 Data File : VY017707.D  
 Acq On : 19 Mar 2024 12:58  
 Operator : SY/MD  
 Sample : VY0319SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0319SBS01

Quant Time: Mar 20 03:03:01 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y022324S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Feb 24 04:41:20 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.362  | 41   | 19803    | 43.907  | ug/l # | 27       |
| 42) 1,2-Dichloroethane        | 8.252  | 62   | 30387    | 18.429  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.289  | 43   | 27132    | 17.179  | ug/l   | 98       |
| 44) Trichloroethene           | 8.959  | 130  | 35255    | 18.100  | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 9.234  | 63   | 28964    | 18.015  | ug/l   | 98       |
| 46) Dibromomethane            | 9.325  | 93   | 17158    | 18.647  | ug/l   | 97       |
| 47) Bromodichloromethane      | 9.514  | 83   | 41214    | 18.447  | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.307  | 41   | 12457    | 17.040  | ug/l   | 96       |
| 49) 1,4-Dioxane               | 9.319  | 88   | 3339     | 320.641 | ug/l # | 99       |
| 51) 4-Methyl-2-Pentanone      | 10.087 | 43   | 75409    | 85.669  | ug/l   | 99       |
| 52) Toluene                   | 10.264 | 92   | 78244    | 18.366  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.484 | 75   | 36898    | 17.793  | ug/l   | 96       |
| 54) cis-1,3-Dichloropropene   | 9.947  | 75   | 45893    | 18.213  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane     | 10.660 | 97   | 23394    | 17.907  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 10.526 | 69   | 24781    | 17.173  | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 10.807 | 76   | 38229    | 17.998  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.801  | 63   | 64780    | 85.928  | ug/l   | 98       |
| 59) 2-Hexanone                | 10.849 | 43   | 54667    | 90.416  | ug/l   | 98       |
| 60) Dibromochloromethane      | 11.002 | 129  | 28401    | 18.376  | ug/l   | 97       |
| 61) 1,2-Dibromoethane         | 11.105 | 107  | 22030    | 18.298  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.734 | 164  | 36405    | 17.500  | ug/l   | 94       |
| 65) Chlorobenzene             | 11.532 | 112  | 84373    | 18.341  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.605 | 131  | 31083    | 18.036  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.605 | 91   | 140888   | 17.463  | ug/l   | 100      |
| 68) m/p-Xylenes               | 11.715 | 106  | 113759   | 35.885  | ug/l   | 99       |
| 69) o-Xylene                  | 12.044 | 106  | 52516    | 17.856  | ug/l   | 98       |
| 70) Styrene                   | 12.063 | 104  | 86859    | 17.792  | ug/l   | 98       |
| 71) Bromoform                 | 12.221 | 173  | 17383    | 18.202  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.343 | 105  | 137841   | 18.393  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.160 | 43   | 21952    | 16.608  | ug/l   | 96       |
| 75) 1,1,2,2-Tetrachloroethane | 12.593 | 83   | 24627    | 19.137  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.648 | 75   | 30367    | 31.684  | ug/l # | 100      |
| 77) Bromobenzene              | 12.623 | 156  | 33272    | 18.333  | ug/l   | 95       |
| 78) n-propylbenzene           | 12.684 | 91   | 167026   | 18.575  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 12.770 | 91   | 92851    | 18.443  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.825 | 105  | 110986   | 18.485  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.392 | 75   | 7348     | 17.616  | ug/l   | 97       |
| 82) 4-Chlorotoluene           | 12.867 | 91   | 96496    | 18.739  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 13.087 | 119  | 97393    | 18.473  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 13.136 | 105  | 112013   | 18.898  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.270 | 105  | 148274   | 18.395  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.386 | 119  | 121234   | 18.373  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.379 | 146  | 66802    | 18.338  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.459 | 146  | 66457    | 18.765  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.709 | 91   | 109427   | 18.177  | ug/l   | 99       |
| 90) Hexachloroethane          | 13.977 | 117  | 25015    | 18.910  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 13.751 | 146  | 59136    | 19.192  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.367 | 75   | 3086     | 17.058  | ug/l   | 97       |
| 93) 1,2,4-Trichlorobenzene    | 15.019 | 180  | 30007    | 18.437  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.123 | 225  | 18950    | 18.859  | ug/l   | 95       |
| 95) Naphthalene               | 15.251 | 128  | 45302    | 17.155  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.440 | 180  | 24879    | 17.819  | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY031924\  
Data File : VY017707.D  
Acq On : 19 Mar 2024 12:58  
Operator : SY/MD  
Sample : VY0319SBSD01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 7 Sample Multiplier: 1

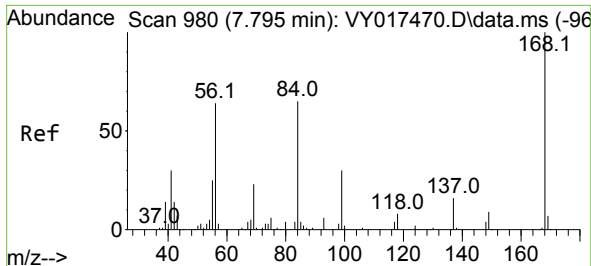
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0319SBSD01

Quant Time: Mar 20 03:03:01 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y022324S.M  
Quant Title : SW846 8260  
QLast Update : Sat Feb 24 04:41:20 2024  
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

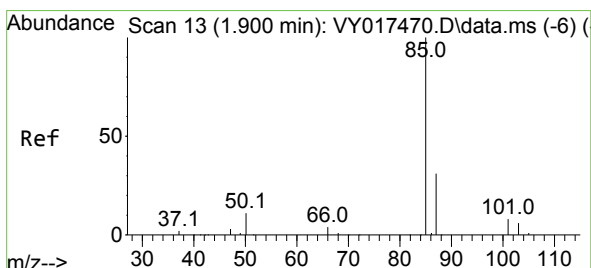
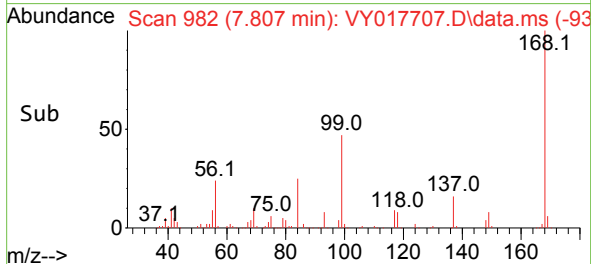
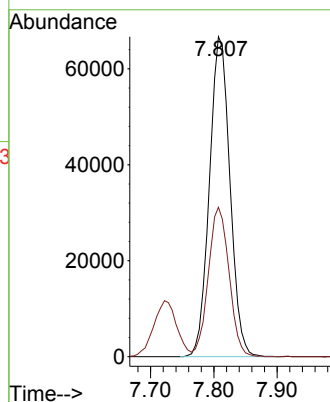
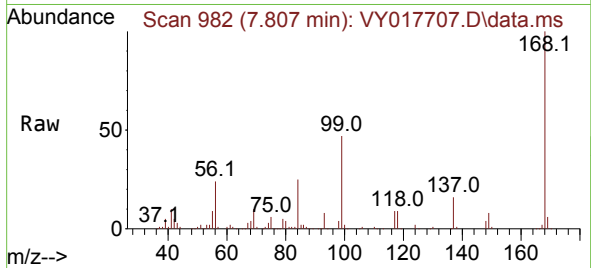




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.807 min Scan# 91  
Delta R.T. 0.012 min  
Lab File: VY017707.D  
Acq: 19 Mar 2024 12:58

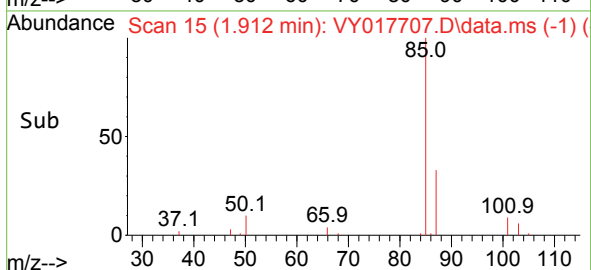
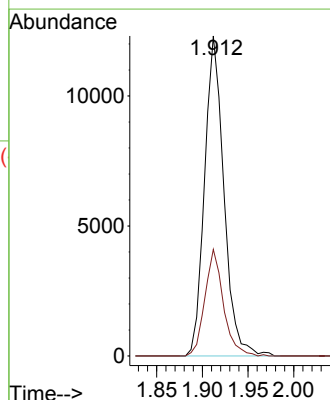
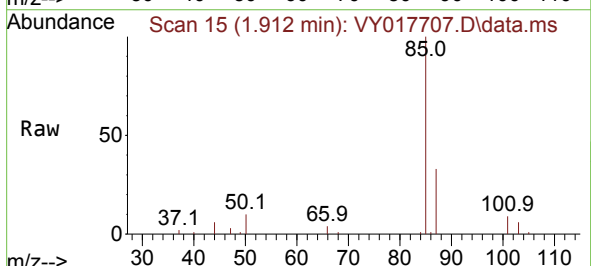
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0319SBS01

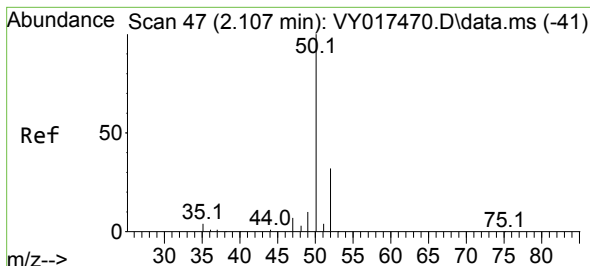
Tgt Ion:168 Resp: 150474  
Ion Ratio Lower Upper  
168 100  
99 46.7 39.1 58.7



#2  
Dichlorodifluoromethane  
Concen: 16.298 ug/l  
RT: 1.912 min Scan# 15  
Delta R.T. 0.012 min  
Lab File: VY017707.D  
Acq: 19 Mar 2024 12:58

Tgt Ion: 85 Resp: 18091  
Ion Ratio Lower Upper  
85 100  
87 33.3 16.0 48.0





#3

Chloromethane

Concen: 15.586 ug/l

RT: 2.125 min Scan# 50

Delta R.T. 0.018 min

Lab File: VY017707.D

Acq: 19 Mar 2024 12:58

Instrument :

MSVOA\_Y

ClientSampleId :

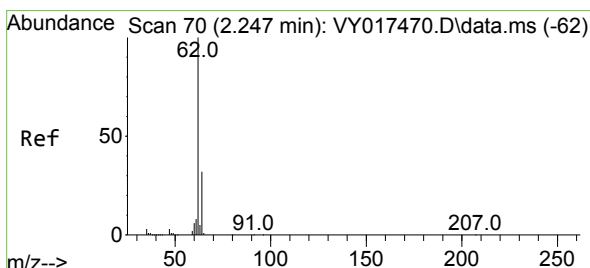
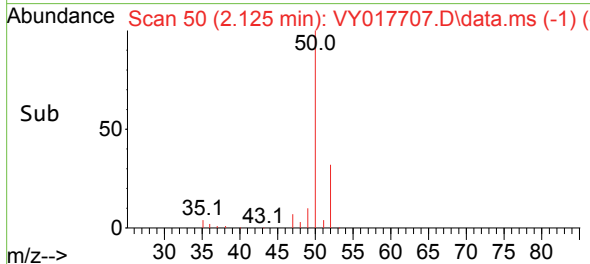
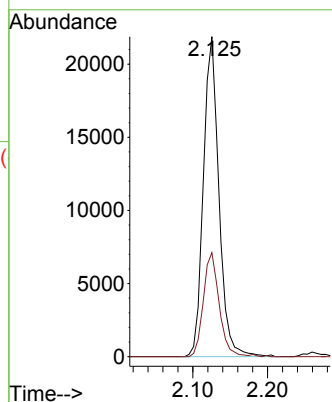
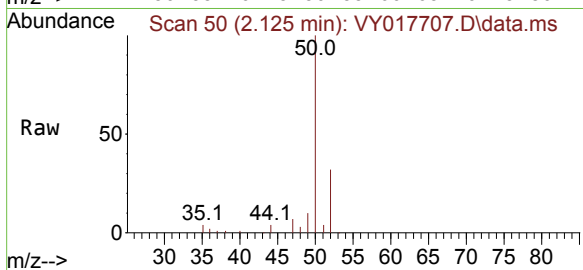
VY0319SBS01

Tgt Ion: 50 Resp: 31609

Ion Ratio Lower Upper

50 100

52 32.5 25.6 38.4



#4

Vinyl Chloride

Concen: 15.506 ug/l

RT: 2.259 min Scan# 72

Delta R.T. 0.012 min

Lab File: VY017707.D

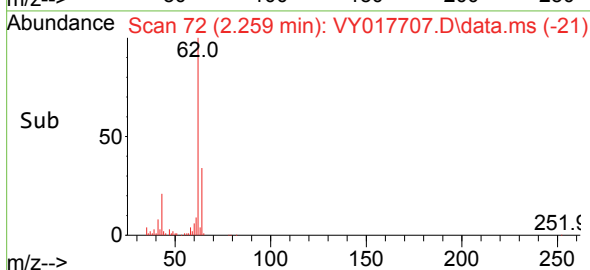
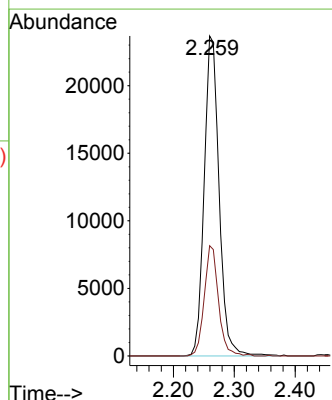
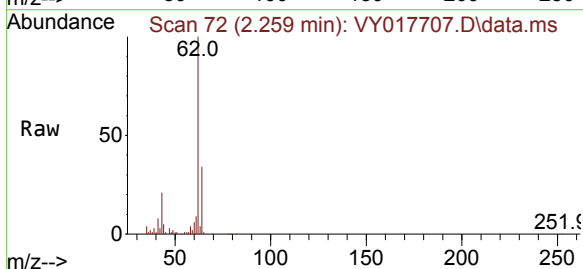
Acq: 19 Mar 2024 12:58

Tgt Ion: 62 Resp: 40343

Ion Ratio Lower Upper

62 100

64 34.4 26.1 39.1

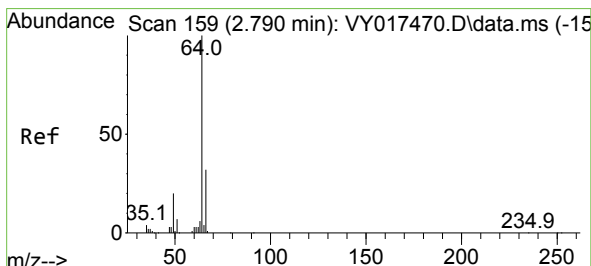
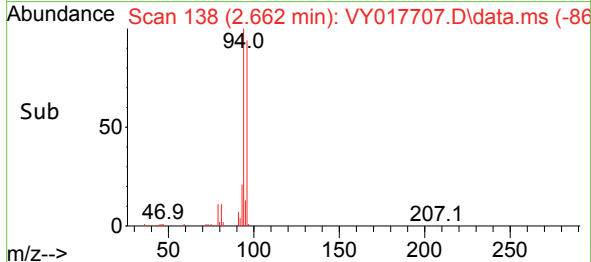
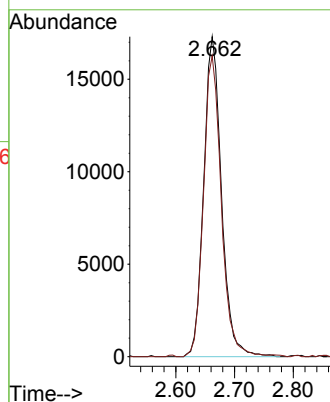
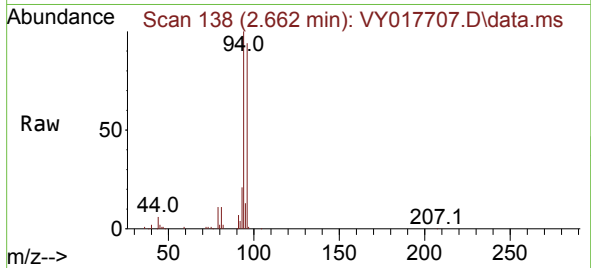




#5  
Bromomethane  
Concen: 17.155 ug/l  
RT: 2.662 min Scan# 11  
Delta R.T. 0.018 min  
Lab File: VY017707.D  
Acq: 19 Mar 2024 12:58

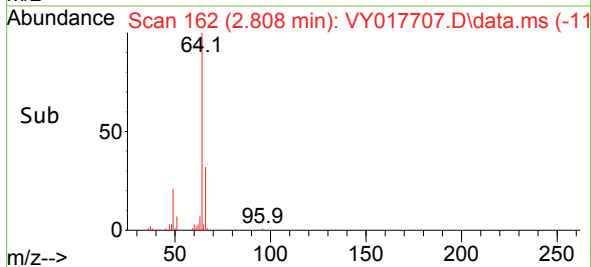
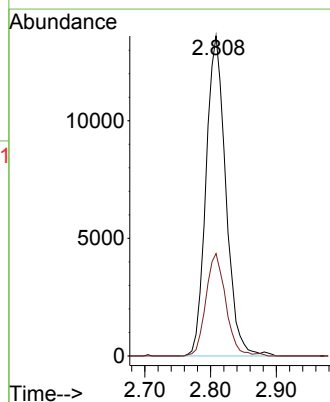
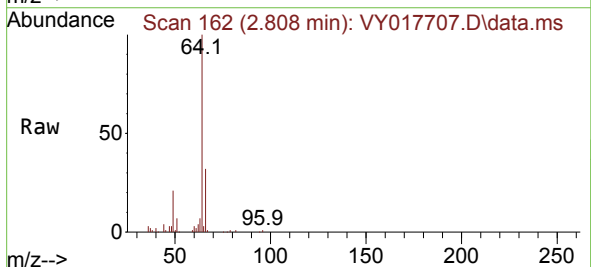
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0319SBS01

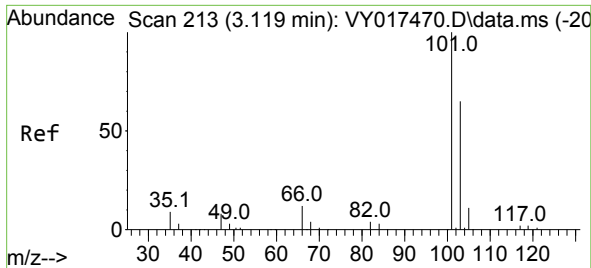
Tgt Ion: 94 Resp: 36374  
Ion Ratio Lower Upper  
94 100  
96 93.9 74.1 111.1



#6  
Chloroethane  
Concen: 17.384 ug/l  
RT: 2.808 min Scan# 162  
Delta R.T. 0.018 min  
Lab File: VY017707.D  
Acq: 19 Mar 2024 12:58

Tgt Ion: 64 Resp: 28533  
Ion Ratio Lower Upper  
64 100  
66 32.0 26.1 39.1

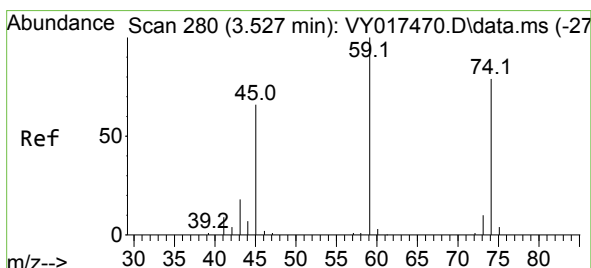
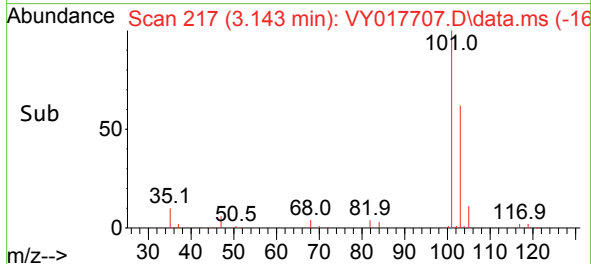
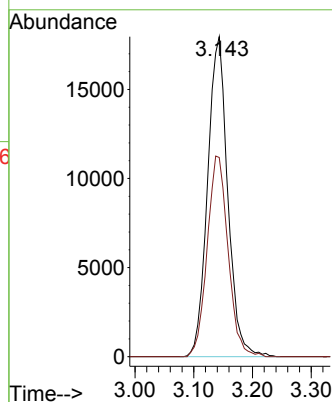
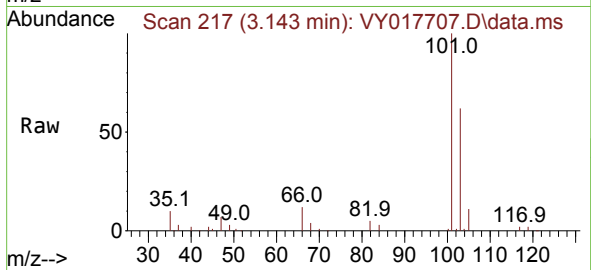




#7  
Trichlorofluoromethane  
Concen: 16.132 ug/l  
RT: 3.143 min Scan# 213  
Delta R.T. 0.025 min  
Lab File: VY017707.D  
Acq: 19 Mar 2024 12:58

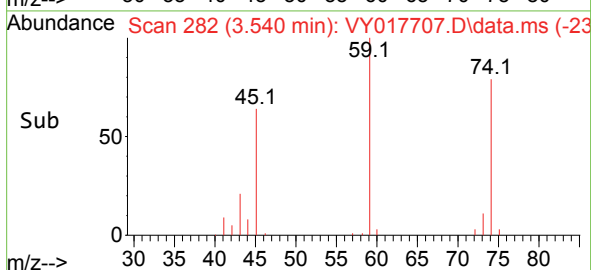
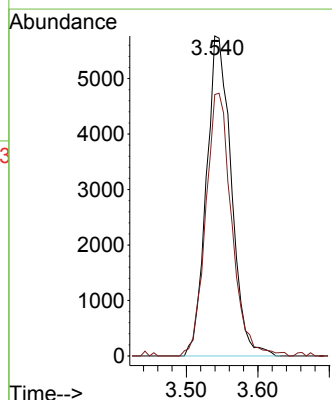
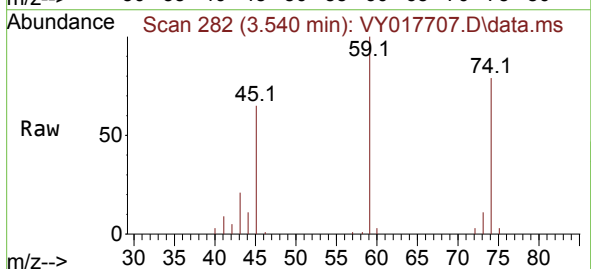
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0319SBS01

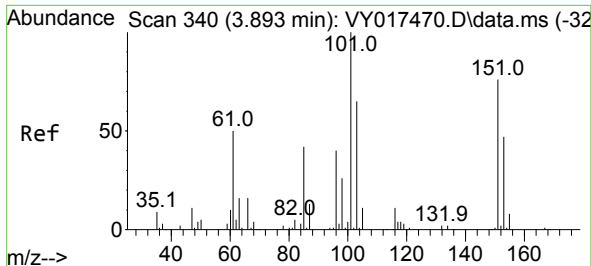
Tgt Ion:101 Resp: 42778  
Ion Ratio Lower Upper  
101 100  
103 62.2 49.3 73.9



#8  
Diethyl Ether  
Concen: 17.914 ug/l  
RT: 3.540 min Scan# 282  
Delta R.T. 0.012 min  
Lab File: VY017707.D  
Acq: 19 Mar 2024 12:58

Tgt Ion: 74 Resp: 13933  
Ion Ratio Lower Upper  
74 100  
45 85.7 41.3 124.1

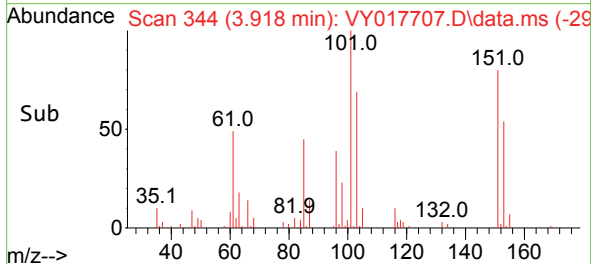
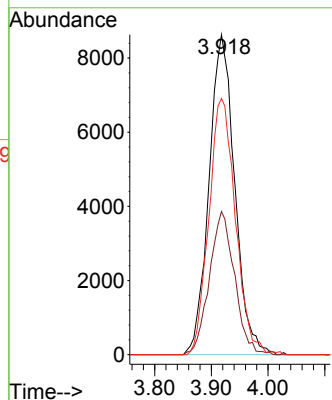
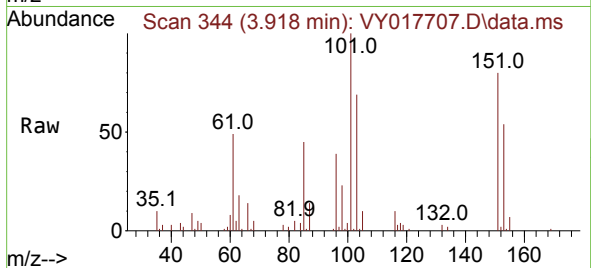




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 17.788 ug/l  
RT: 3.918 min Scan# 341  
Delta R.T. 0.025 min  
Lab File: VY017707.D  
Acq: 19 Mar 2024 12:58

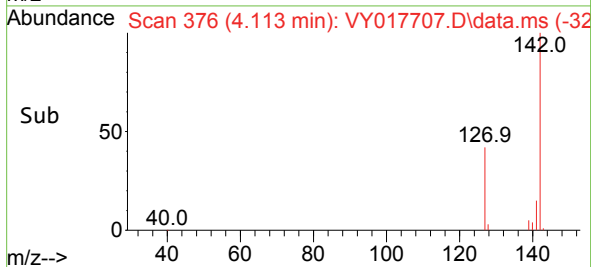
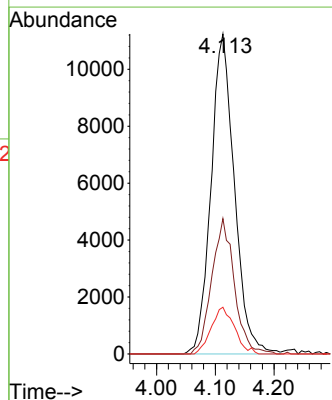
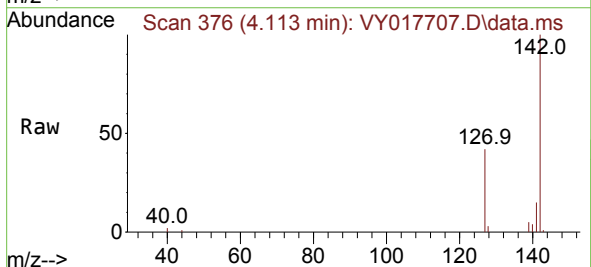
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0319SBS01

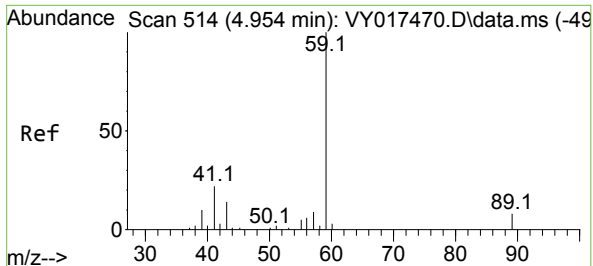
Tgt Ion:101 Resp: 27132  
Ion Ratio Lower Upper  
101 100  
85 43.8 34.5 51.7  
151 83.0 61.7 92.5



#10  
Methyl Iodide  
Concen: 18.147 ug/l  
RT: 4.113 min Scan# 376  
Delta R.T. 0.025 min  
Lab File: VY017707.D  
Acq: 19 Mar 2024 12:58

Tgt Ion:142 Resp: 31064  
Ion Ratio Lower Upper  
142 100  
127 40.9 32.8 49.2  
141 14.6 11.4 17.2

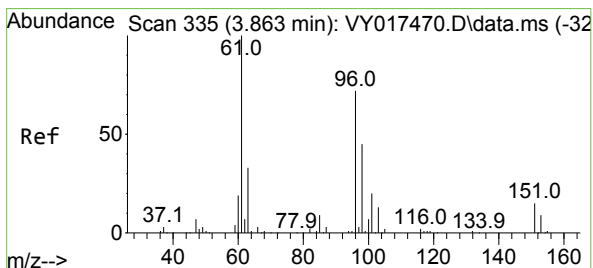
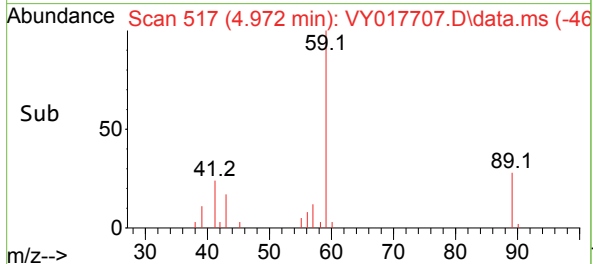
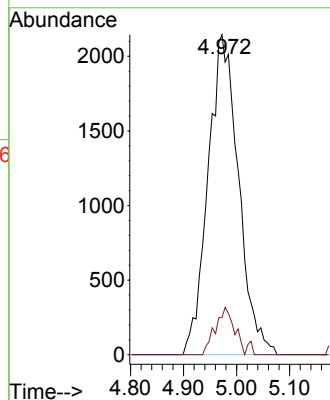
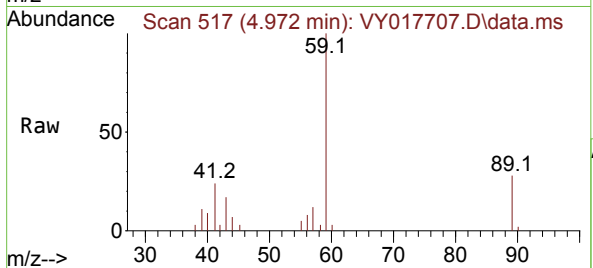




#11  
Tert butyl alcohol  
Concen: 70.746 ug/l  
RT: 4.972 min Scan# 514  
Delta R.T. 0.018 min  
Lab File: VY017707.D  
Acq: 19 Mar 2024 12:58

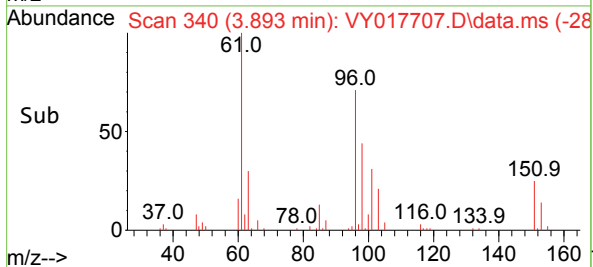
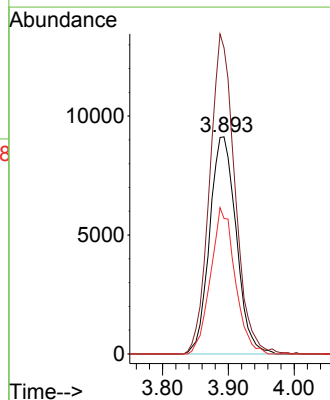
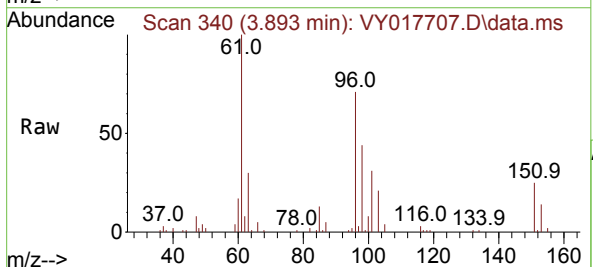
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0319SBS01

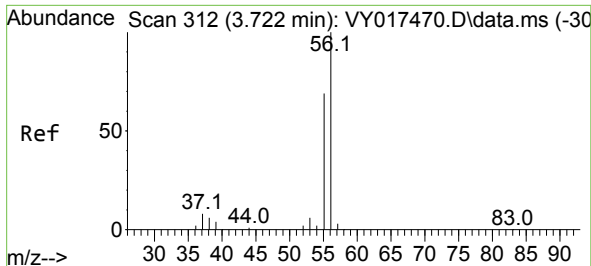
Tgt Ion: 59 Resp: 8570  
Ion Ratio Lower Upper  
59 100  
57 9.2 3.0 4.6#



#12  
1,1-Dichloroethene  
Concen: 18.068 ug/l  
RT: 3.893 min Scan# 340  
Delta R.T. 0.031 min  
Lab File: VY017707.D  
Acq: 19 Mar 2024 12:58

Tgt Ion: 96 Resp: 25683  
Ion Ratio Lower Upper  
96 100  
61 141.0 114.6 171.8  
98 62.4 50.8 76.2





#13

Acrolein

Concen: 73.325 ug/l

RT: 3.747 min Scan# 312

Delta R.T. 0.025 min

Lab File: VY017707.D

Acq: 19 Mar 2024 12:58

Instrument :

MSVOA\_Y

ClientSampleId :

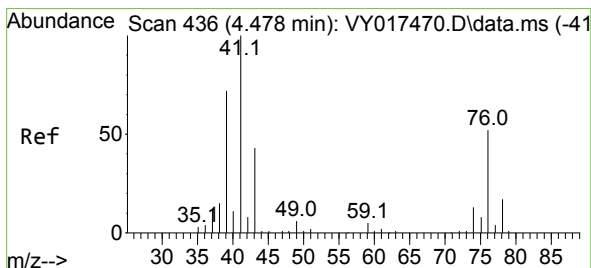
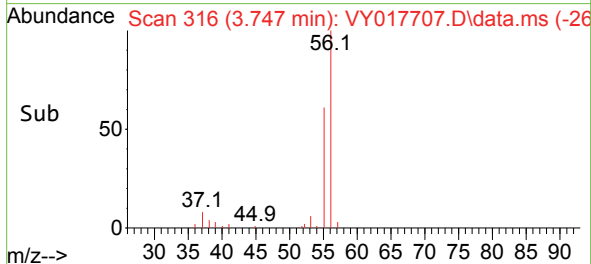
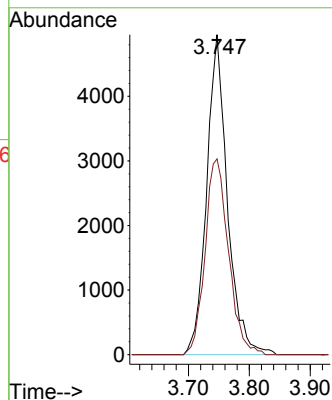
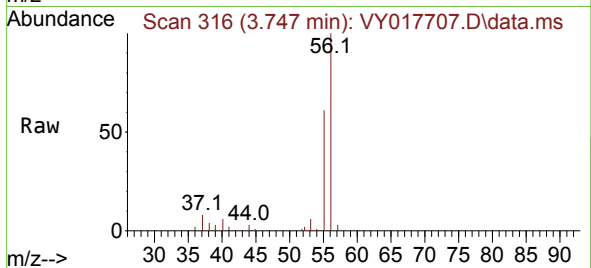
VY0319SBS01

Tgt Ion: 56 Resp: 11720

Ion Ratio Lower Upper

56 100

55 69.1 55.7 83.5



#14

Allyl chloride

Concen: 17.138 ug/l

RT: 4.503 min Scan# 440

Delta R.T. 0.025 min

Lab File: VY017707.D

Acq: 19 Mar 2024 12:58

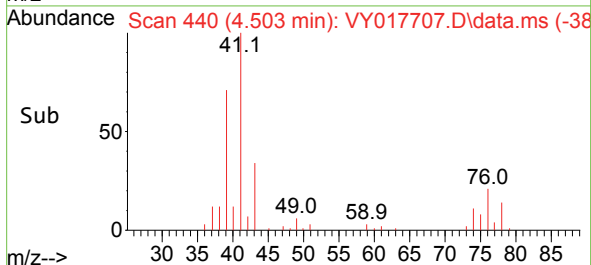
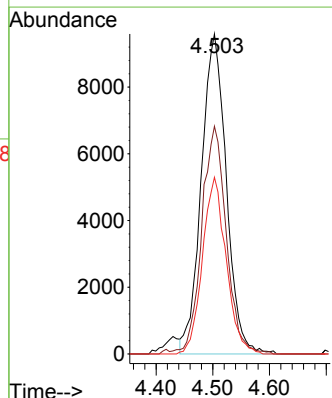
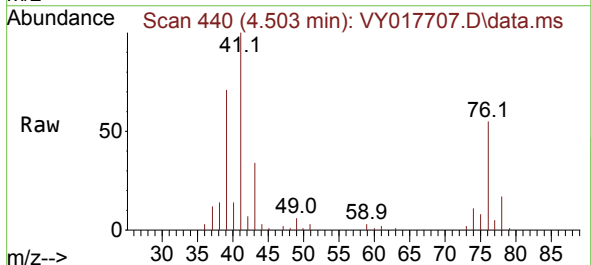
Tgt Ion: 41 Resp: 29436

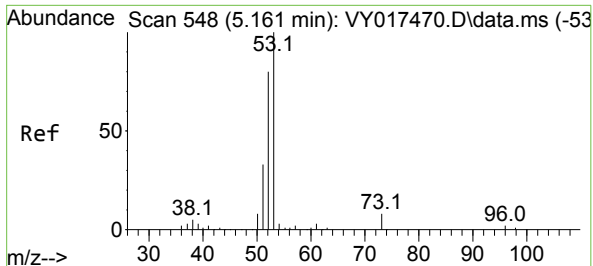
Ion Ratio Lower Upper

41 100

39 69.7 58.3 87.5

76 52.2 39.0 58.6

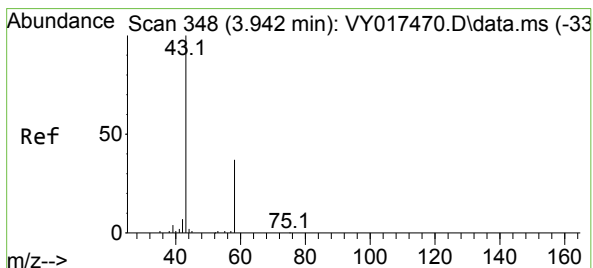
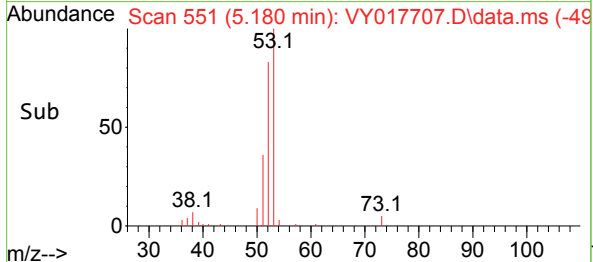
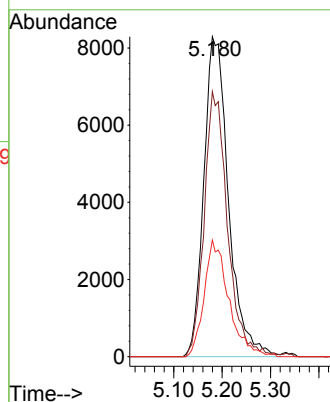
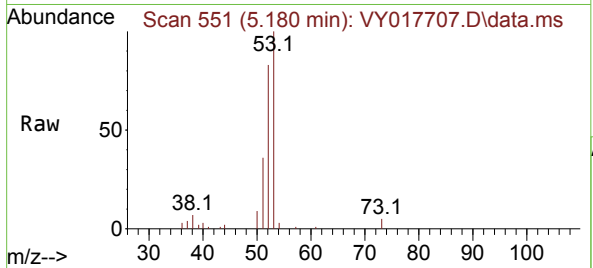




#15  
Acrylonitrile  
Concen: 91.933 ug/l  
RT: 5.180 min Scan# 51  
Delta R.T. 0.018 min  
Lab File: VY017707.D  
Acq: 19 Mar 2024 12:58

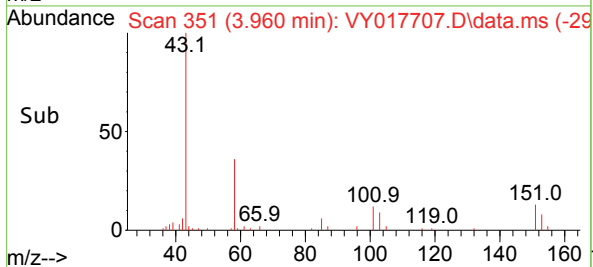
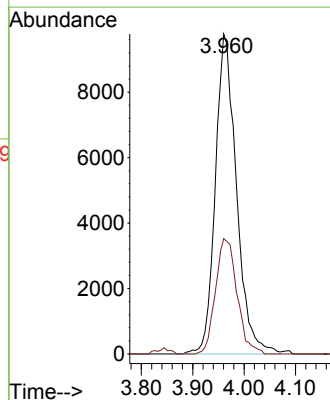
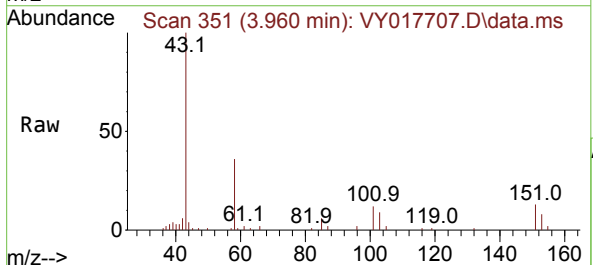
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0319SBSD01

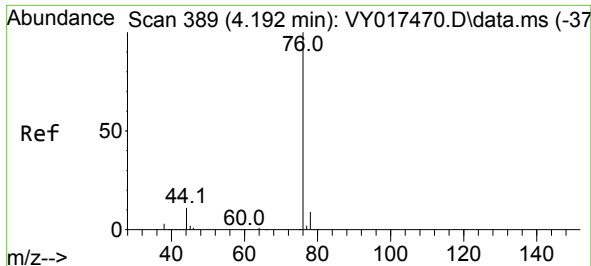
|             |             |
|-------------|-------------|
| Tgt Ion: 53 | Resp: 29393 |
| Ion Ratio   | Lower Upper |
| 53 100      |             |
| 52 78.4     | 64.7 97.1   |
| 51 36.3     | 28.4 42.6   |



#16  
Acetone  
Concen: 100.870 ug/l  
RT: 3.960 min Scan# 351  
Delta R.T. 0.018 min  
Lab File: VY017707.D  
Acq: 19 Mar 2024 12:58

|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 27901 |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 58 36.1     | 31.7 47.5   |

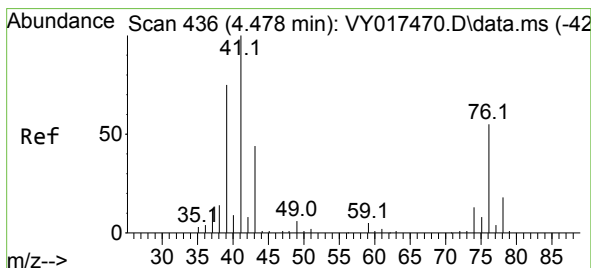
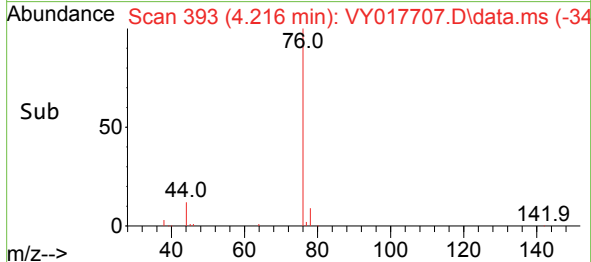
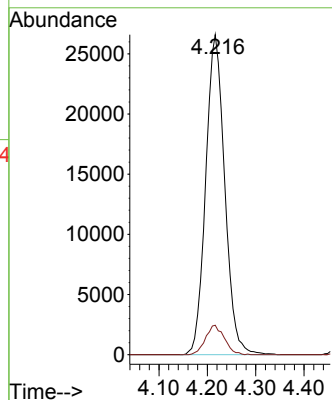
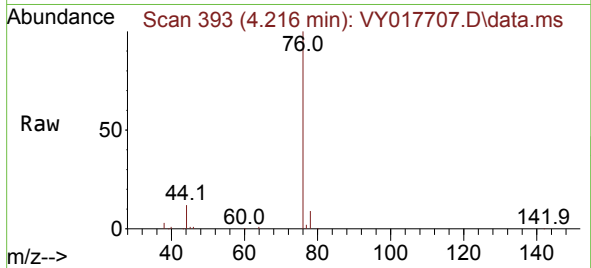




#17  
Carbon Disulfide  
Concen: 17.024 ug/l  
RT: 4.216 min Scan# 393  
Delta R.T. 0.025 min  
Lab File: VY017707.D  
Acq: 19 Mar 2024 12:58

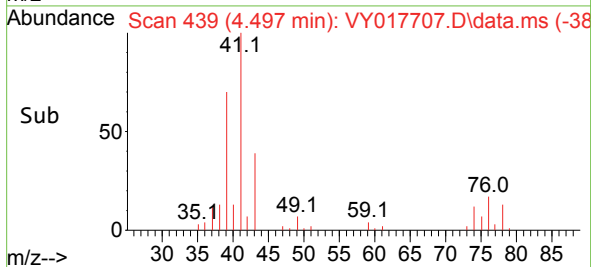
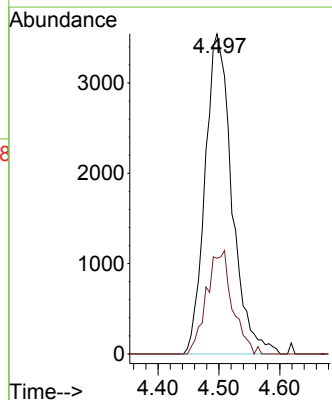
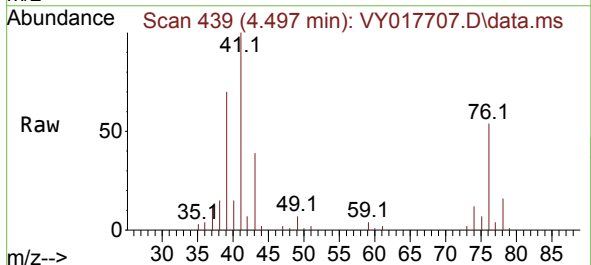
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0319SBS01

Tgt Ion: 76 Resp: 72635  
Ion Ratio Lower Upper  
76 100  
78 9.2 6.8 10.2



#18  
Methyl Acetate  
Concen: 16.179 ug/l  
RT: 4.497 min Scan# 439  
Delta R.T. 0.018 min  
Lab File: VY017707.D  
Acq: 19 Mar 2024 12:58

Tgt Ion: 43 Resp: 10857  
Ion Ratio Lower Upper  
43 100  
74 31.2 23.3 34.9





#19

Methyl tert-butyl Ether

Concen: 17.727 ug/l

RT: 5.247 min Scan# 5

Delta R.T. 0.025 min

Lab File: VY017707.D

Acq: 19 Mar 2024 12:58

Instrument :

MSVOA\_Y

ClientSampleId :

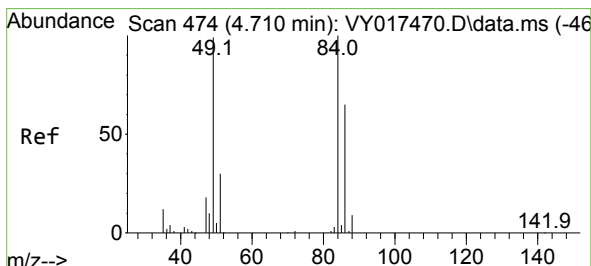
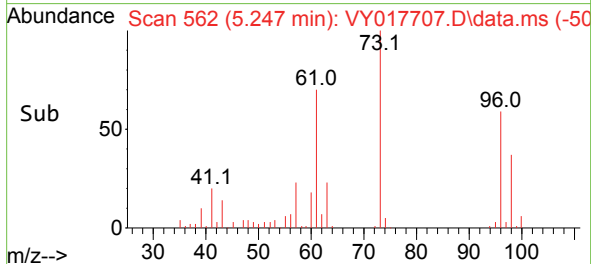
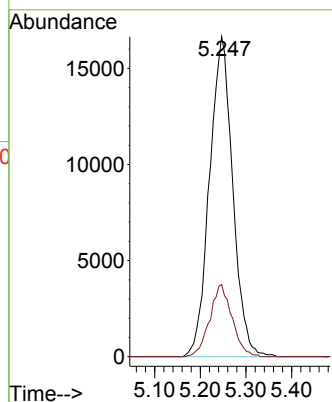
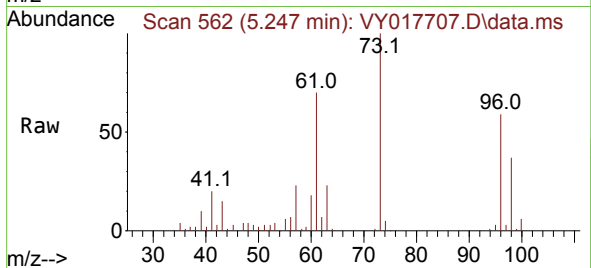
VY0319SBS01

Tgt Ion: 73 Resp: 58734

Ion Ratio Lower Upper

73 100

57 22.5 17.3 25.9



#20

Methylene Chloride

Concen: 19.582 ug/l

RT: 4.741 min Scan# 479

Delta R.T. 0.031 min

Lab File: VY017707.D

Acq: 19 Mar 2024 12:58

Tgt Ion: 84 Resp: 37238

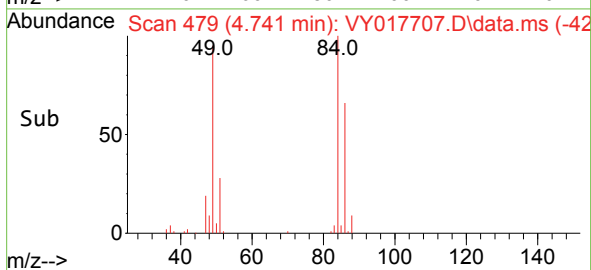
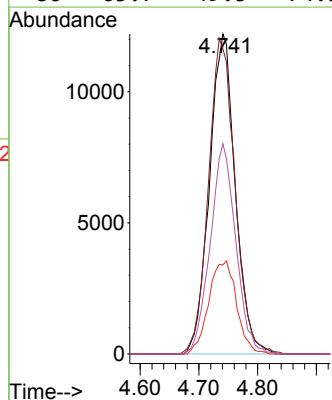
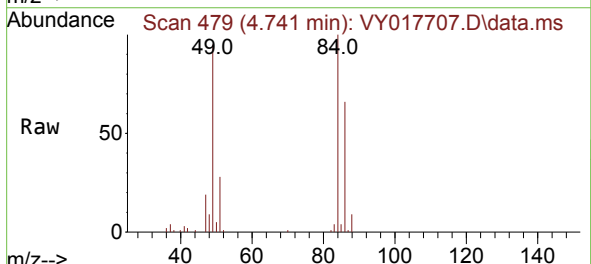
Ion Ratio Lower Upper

84 100

49 95.3 84.4 126.6

51 27.8 26.0 39.0

86 65.7 49.5 74.3

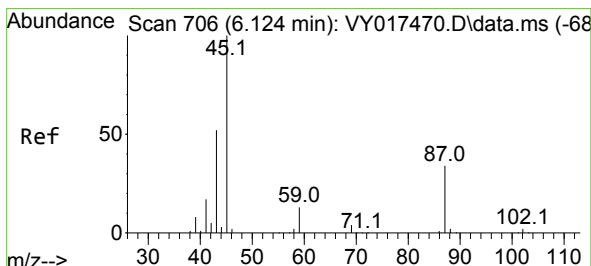
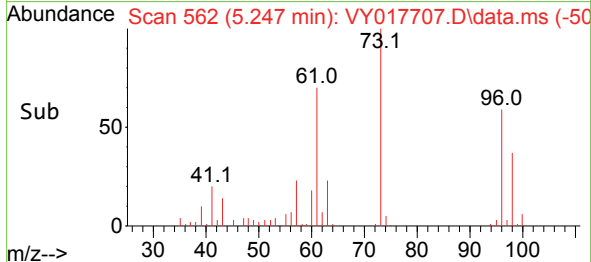
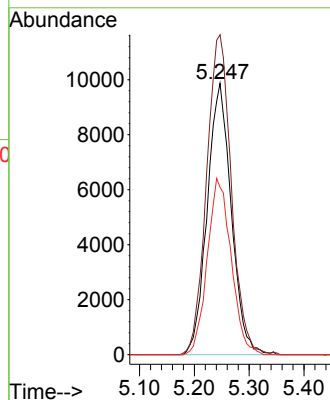
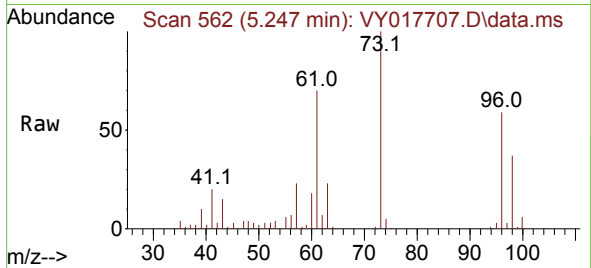




#21  
trans-1,2-Dichloroethene  
Concen: 18.066 ug/l  
RT: 5.247 min Scan# 509  
Delta R.T. 0.031 min  
Lab File: VY017707.D  
Acq: 19 Mar 2024 12:58

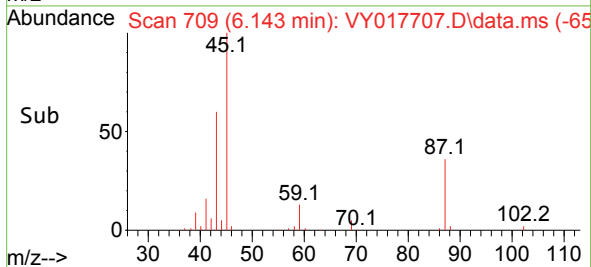
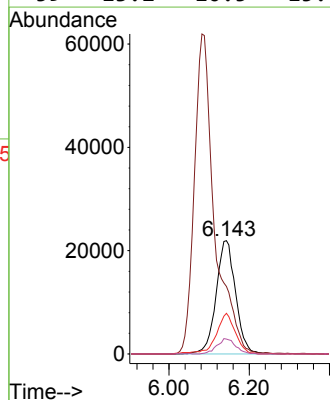
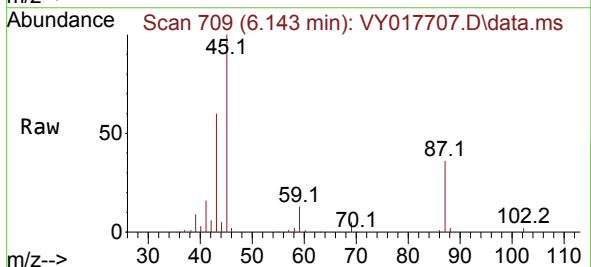
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0319SBS01

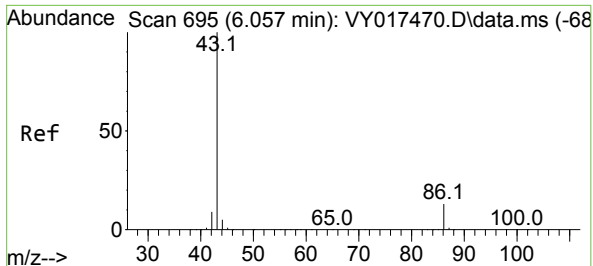
Tgt Ion: 96 Resp: 30068  
Ion Ratio Lower Upper  
96 100  
61 117.9 97.5 146.3  
98 61.7 50.5 75.7



#22  
Diisopropyl ether  
Concen: 18.690 ug/l  
RT: 6.143 min Scan# 709  
Delta R.T. 0.018 min  
Lab File: VY017707.D  
Acq: 19 Mar 2024 12:58

Tgt Ion: 45 Resp: 74076  
Ion Ratio Lower Upper  
45 100  
43 58.9 42.2 63.2  
87 35.9 25.0 37.6  
59 13.2 10.5 15.7

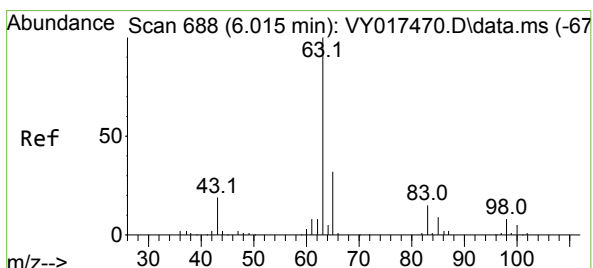
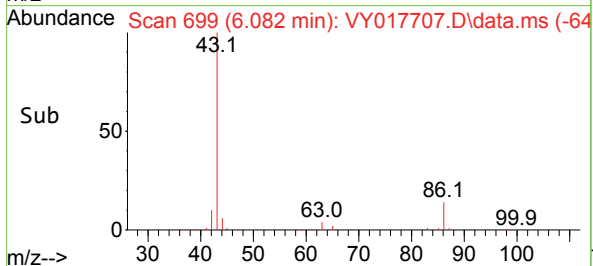
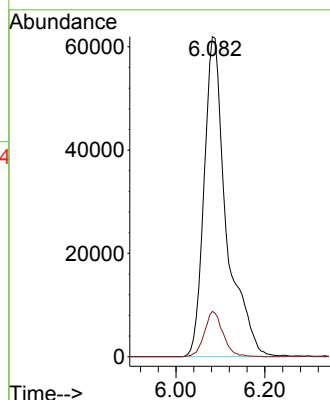
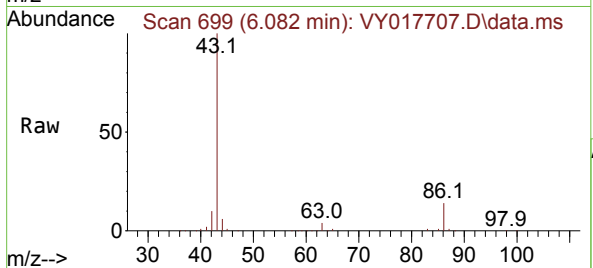




#23  
 Vinyl Acetate  
 Concen: 91.560 ug/l  
 RT: 6.082 min Scan# 695  
 Delta R.T. 0.025 min  
 Lab File: VY017707.D  
 Acq: 19 Mar 2024 12:58

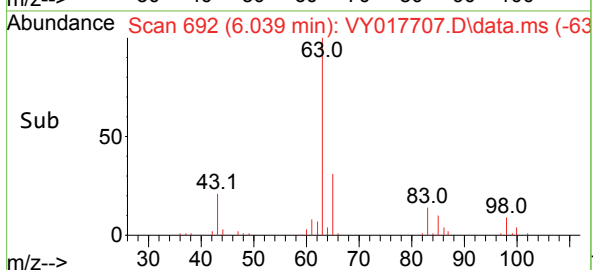
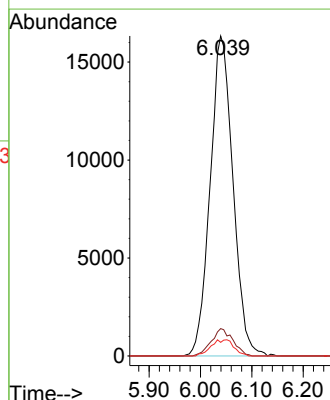
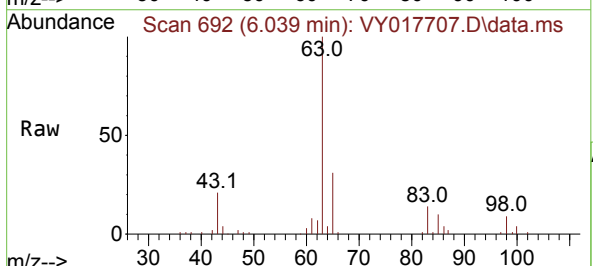
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0319SBS01

Tgt Ion: 43 Resp: 216243  
 Ion Ratio Lower Upper  
 43 100  
 86 14.2 10.6 16.0



#24  
 1,1-Dichloroethane  
 Concen: 18.629 ug/l  
 RT: 6.039 min Scan# 692  
 Delta R.T. 0.025 min  
 Lab File: VY017707.D  
 Acq: 19 Mar 2024 12:58

Tgt Ion: 63 Resp: 50443  
 Ion Ratio Lower Upper  
 63 100  
 98 8.5 4.0 12.2  
 100 4.3 2.6 8.0





#25

2-Butanone

Concen: 93.228 ug/l

RT: 7.003 min Scan# 850

Delta R.T. 0.018 min

Lab File: VY017707.D

Acq: 19 Mar 2024 12:58

Instrument :

MSVOA\_Y

ClientSampleId :

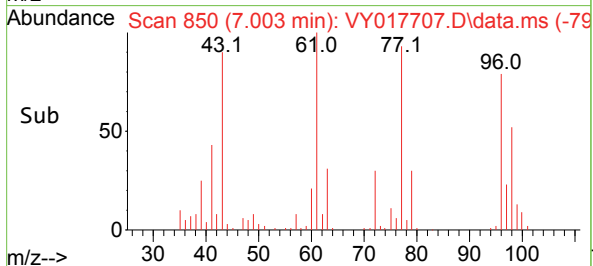
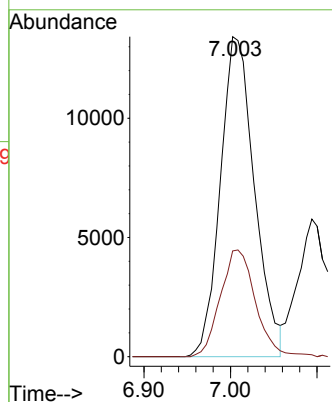
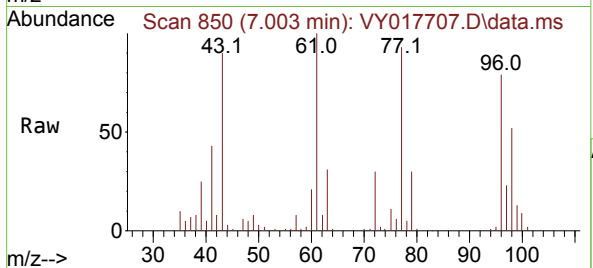
VY0319SBS01

Tgt Ion: 43 Resp: 36750

Ion Ratio Lower Upper

43 100

72 33.0 27.3 40.9



#26

2,2-Dichloropropane

Concen: 18.359 ug/l

RT: 7.003 min Scan# 850

Delta R.T. 0.025 min

Lab File: VY017707.D

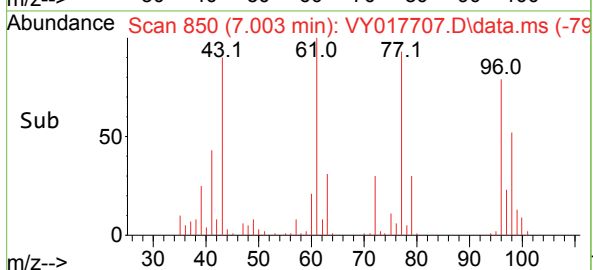
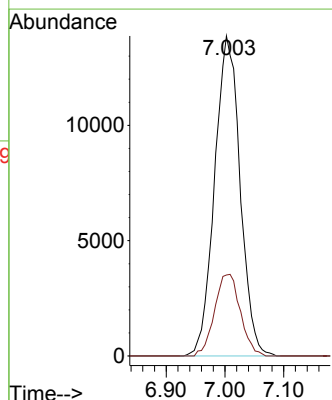
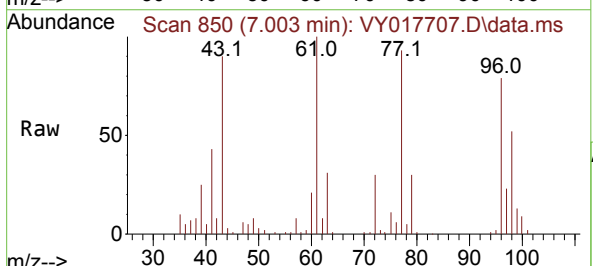
Acq: 19 Mar 2024 12:58

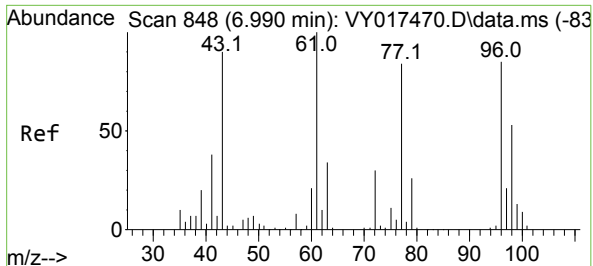
Tgt Ion: 77 Resp: 41795

Ion Ratio Lower Upper

77 100

97 25.8 12.0 36.1





#27

cis-1,2-Dichloroethene

Concen: 18.858 ug/l

RT: 7.009 min Scan# 851

Delta R.T. 0.018 min

Lab File: VY017707.D

Acq: 19 Mar 2024 12:58

Instrument :

MSVOA\_Y

ClientSampleId :

VY0319SBS01

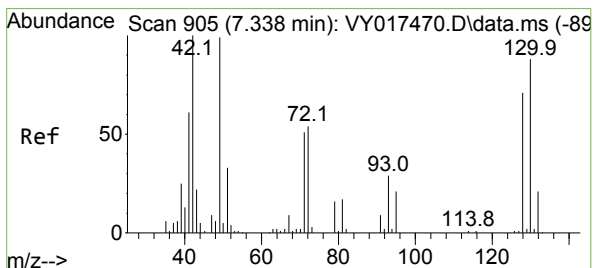
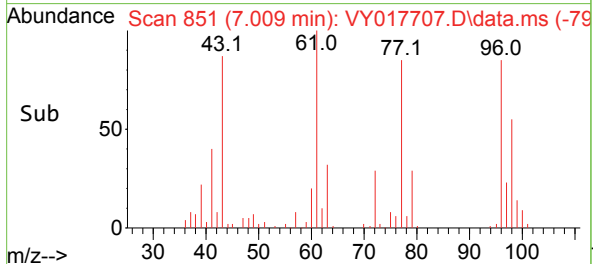
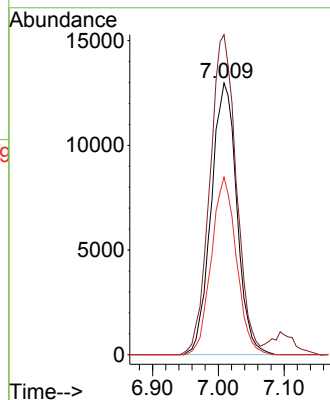
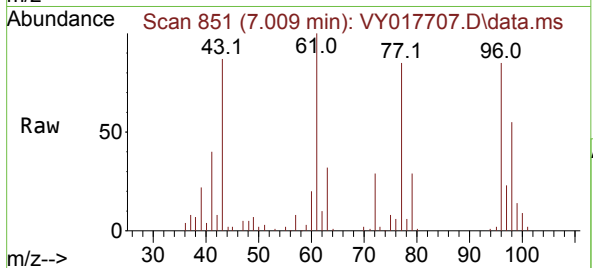
Tgt Ion: 96 Resp: 35240

Ion Ratio Lower Upper

96 100

61 121.4 0.0 256.2

98 63.8 0.0 130.0



#28

Bromochloromethane

Concen: 16.814 ug/l

RT: 7.356 min Scan# 908

Delta R.T. 0.018 min

Lab File: VY017707.D

Acq: 19 Mar 2024 12:58

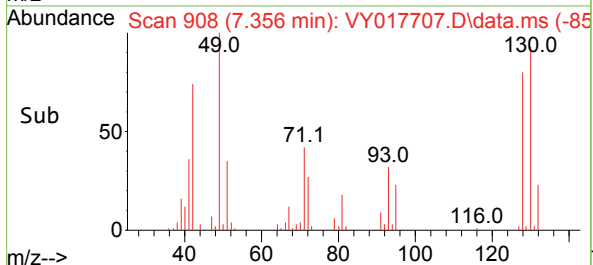
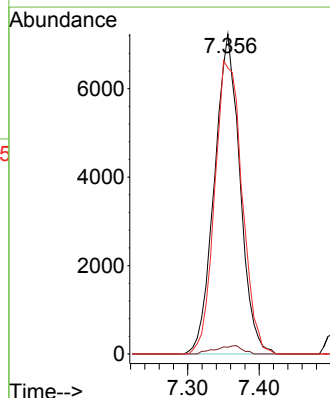
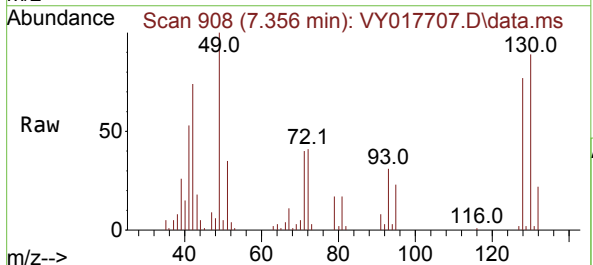
Tgt Ion: 49 Resp: 17930

Ion Ratio Lower Upper

49 100

129 2.7 0.0 4.6

130 98.2 72.7 109.1





#29

Tetrahydrofuran

Concen: 85.997 ug/l

RT: 7.368 min Scan# 910

Delta R.T. 0.018 min

Lab File: VY017707.D

Acq: 19 Mar 2024 12:58

Instrument :

MSVOA\_Y

ClientSampleId :

VY0319SBS01

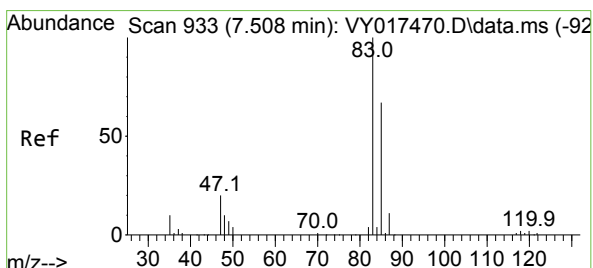
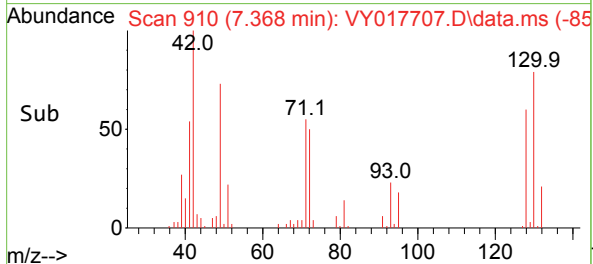
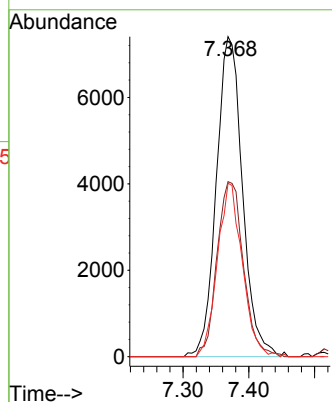
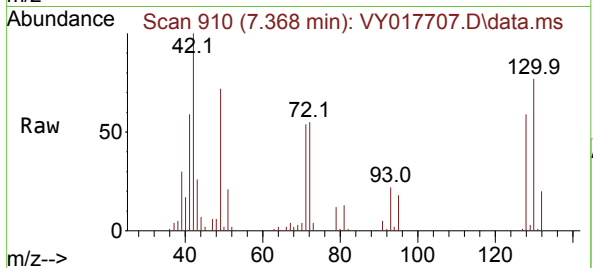
Tgt Ion: 42 Resp: 20435

Ion Ratio Lower Upper

42 100

72 55.3 43.0 64.4

71 51.7 40.8 61.2



#30

Chloroform

Concen: 19.331 ug/l

RT: 7.527 min Scan# 936

Delta R.T. 0.018 min

Lab File: VY017707.D

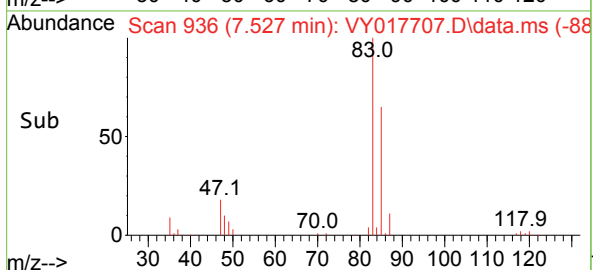
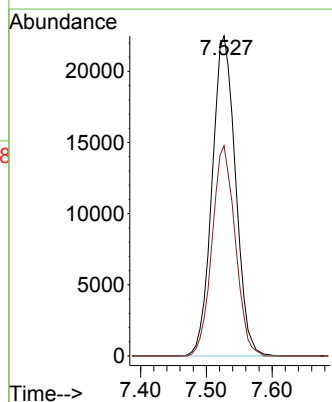
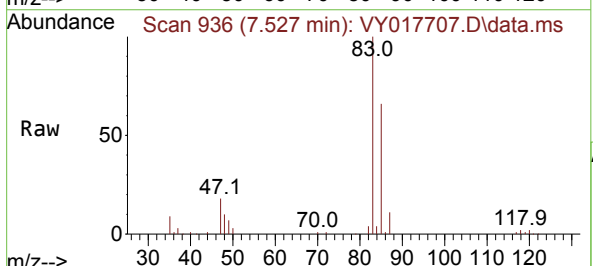
Acq: 19 Mar 2024 12:58

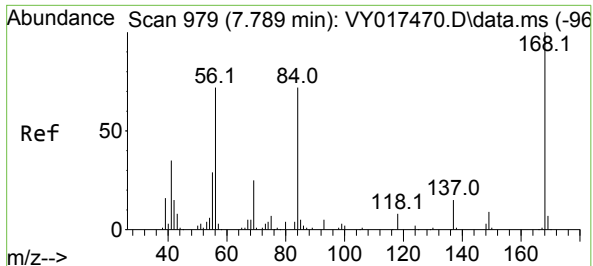
Tgt Ion: 83 Resp: 55728

Ion Ratio Lower Upper

83 100

85 65.7 52.2 78.4

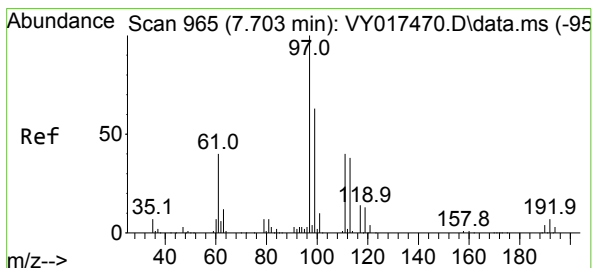
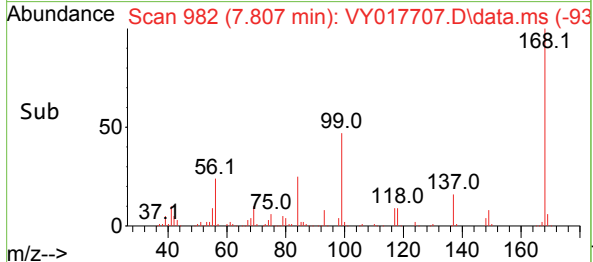
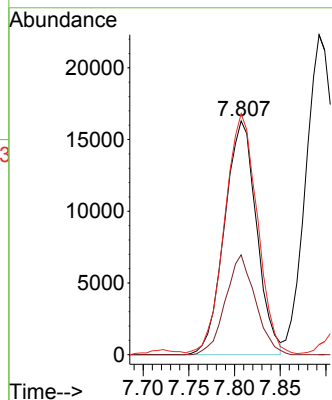
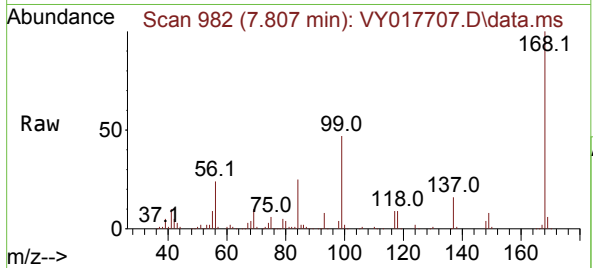




#31  
Cyclohexane  
Concen: 17.144 ug/l  
RT: 7.807 min Scan# 91  
Delta R.T. 0.018 min  
Lab File: VY017707.D  
Acq: 19 Mar 2024 12:58

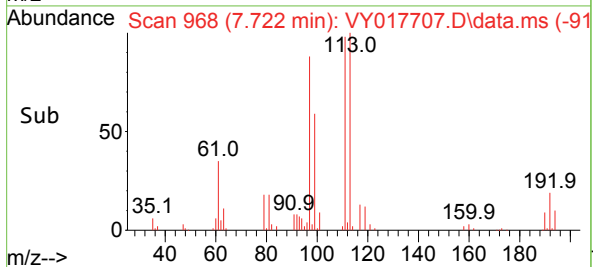
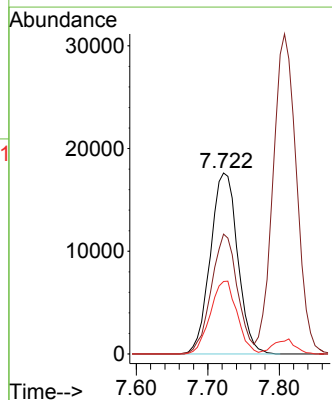
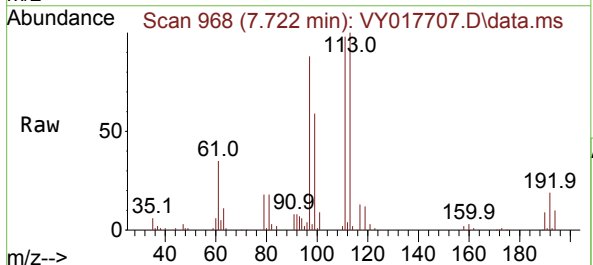
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0319SBS01

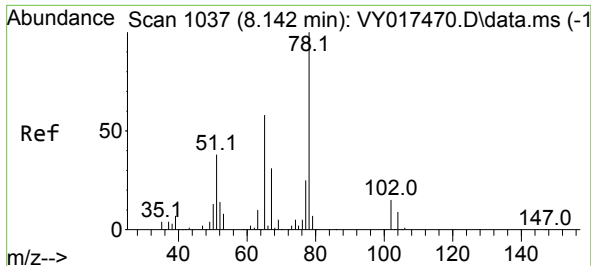
Tgt Ion: 56 Resp: 39789  
Ion Ratio Lower Upper  
56 100  
69 42.7 28.7 43.1  
84 101.8 77.7 116.5



#32  
1,1,1-Trichloroethane  
Concen: 18.640 ug/l  
RT: 7.722 min Scan# 968  
Delta R.T. 0.018 min  
Lab File: VY017707.D  
Acq: 19 Mar 2024 12:58

Tgt Ion: 97 Resp: 46654  
Ion Ratio Lower Upper  
97 100  
99 63.7 50.3 75.5  
61 39.4 32.6 48.8





#33

1,2-Dichloroethane-d4

Concen: 44.800 ug/l

RT: 8.161 min Scan# 1130

Delta R.T. 0.018 min

Lab File: VY017707.D

Acq: 19 Mar 2024 12:58

Instrument :

MSVOA\_Y

ClientSampleId :

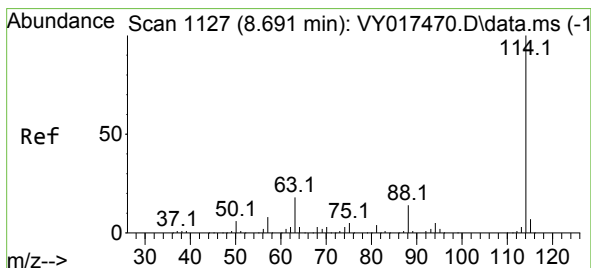
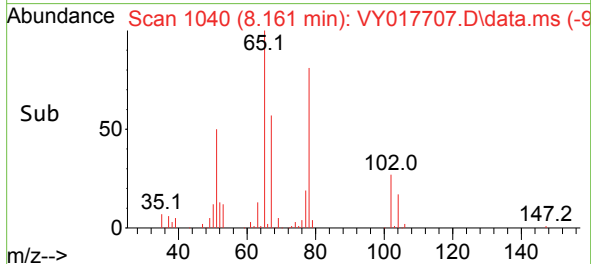
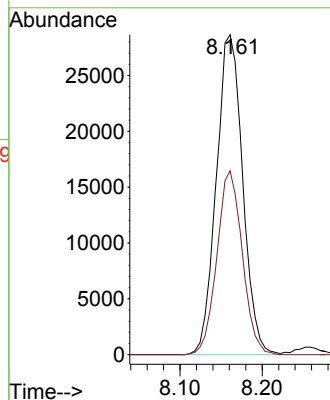
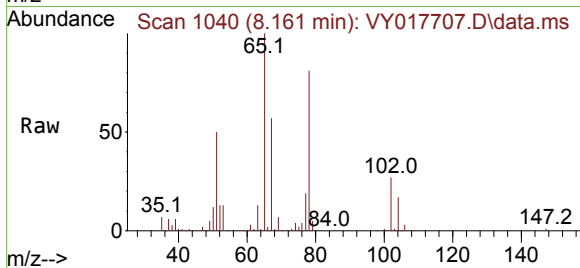
VY0319SBS01

Tgt Ion: 65 Resp: 63889

Ion Ratio Lower Upper

65 100

67 55.3 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.710 min Scan# 1130

Delta R.T. 0.018 min

Lab File: VY017707.D

Acq: 19 Mar 2024 12:58

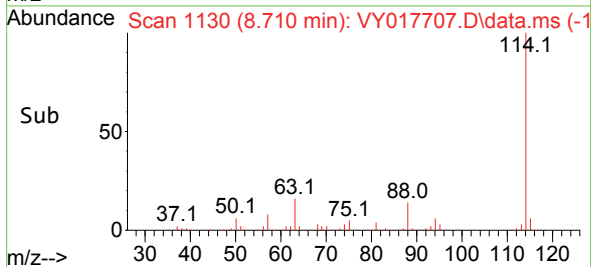
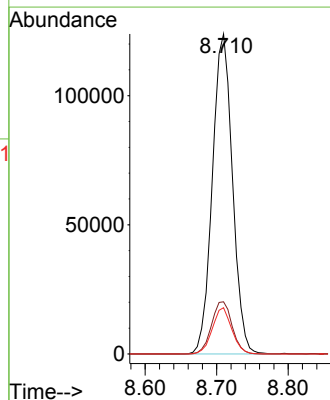
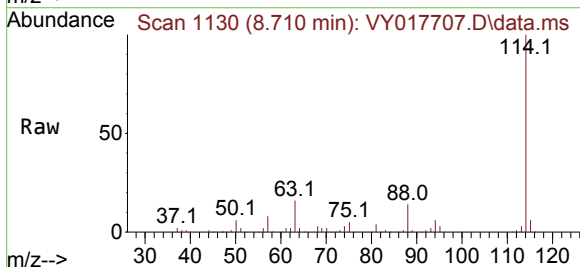
Tgt Ion: 114 Resp: 242039

Ion Ratio Lower Upper

114 100

63 16.3 0.0 35.0

88 14.5 0.0 27.2

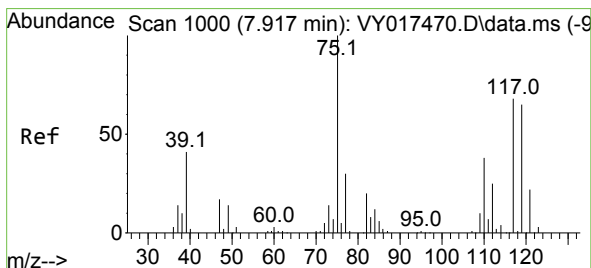
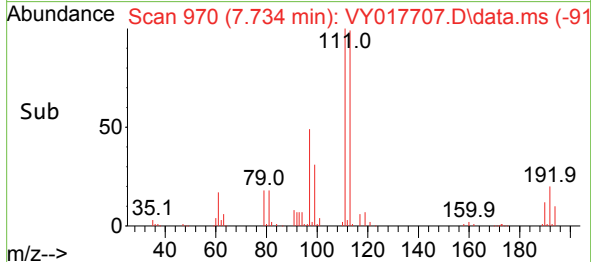
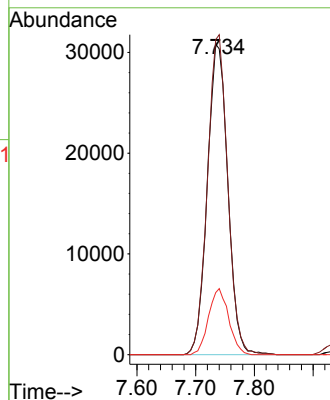
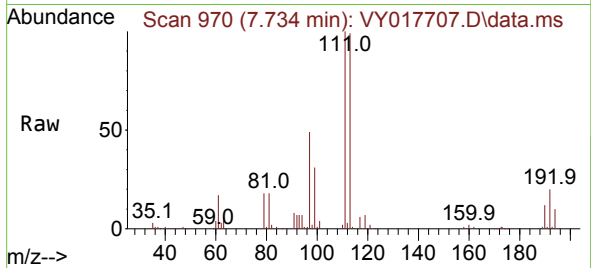




#35  
Dibromofluoromethane  
Concen: 44.292 ug/l  
RT: 7.734 min Scan# 91  
Delta R.T. 0.018 min  
Lab File: VY017707.D  
Acq: 19 Mar 2024 12:58

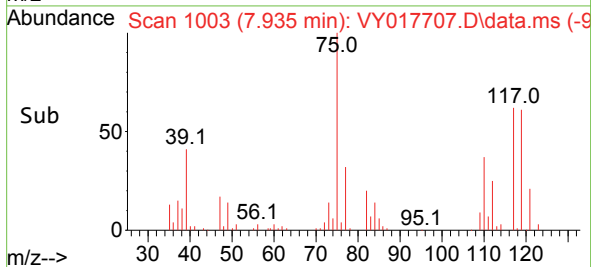
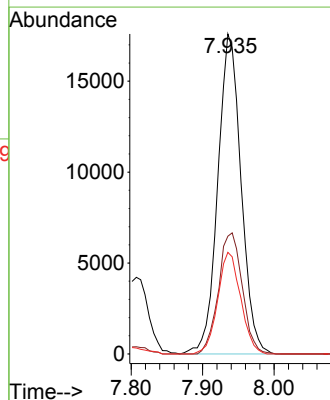
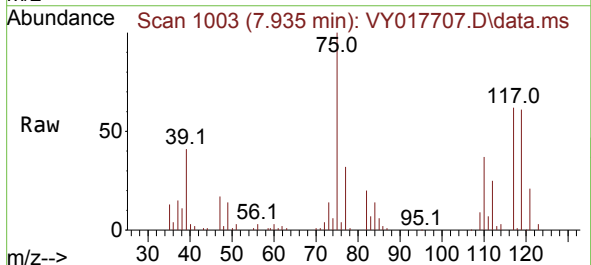
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0319SBSD01

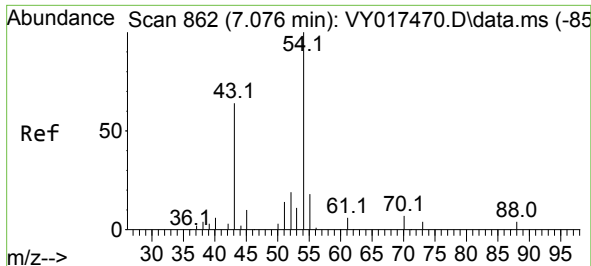
Tgt Ion:113 Resp: 74703  
Ion Ratio Lower Upper  
113 100  
111 101.8 82.2 123.4  
192 20.9 15.9 23.9



#36  
1,1-Dichloropropene  
Concen: 17.484 ug/l  
RT: 7.935 min Scan# 1003  
Delta R.T. 0.018 min  
Lab File: VY017707.D  
Acq: 19 Mar 2024 12:58

Tgt Ion: 75 Resp: 39786  
Ion Ratio Lower Upper  
75 100  
110 38.8 19.0 57.0  
77 31.2 25.3 37.9

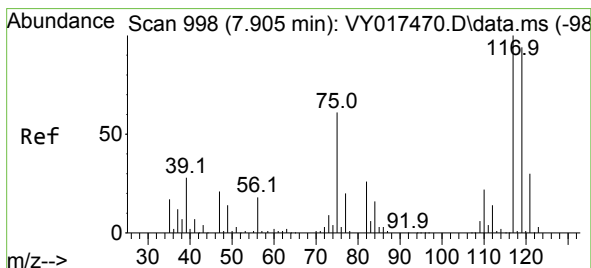
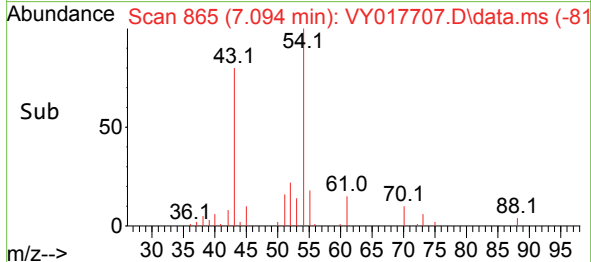
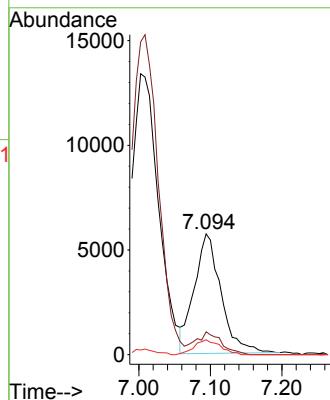
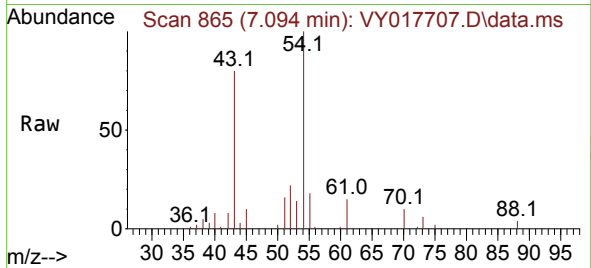




#37  
Ethyl Acetate  
Concen: 16.537 ug/l  
RT: 7.094 min Scan# 80  
Delta R.T. 0.018 min  
Lab File: VY017707.D  
Acq: 19 Mar 2024 12:58

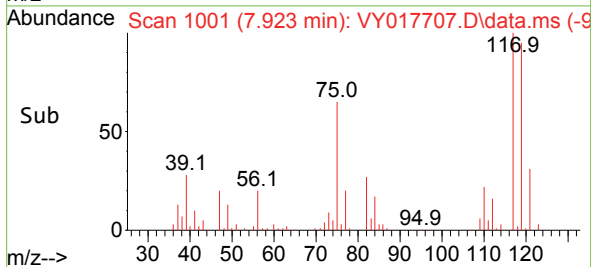
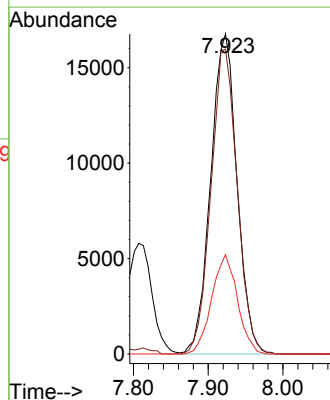
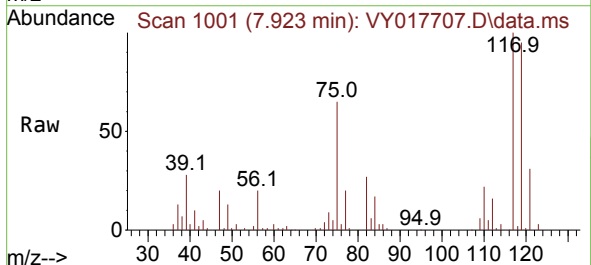
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0319SBS01

Tgt Ion: 43 Resp: 14863  
Ion Ratio Lower Upper  
43 100  
61 18.5 12.6 19.0  
70 12.0 7.8 11.8#



#38  
Carbon Tetrachloride  
Concen: 17.977 ug/l  
RT: 7.923 min Scan# 1001  
Delta R.T. 0.018 min  
Lab File: VY017707.D  
Acq: 19 Mar 2024 12:58

Tgt Ion: 117 Resp: 40999  
Ion Ratio Lower Upper  
117 100  
119 95.2 75.8 113.6  
121 31.0 24.0 36.0

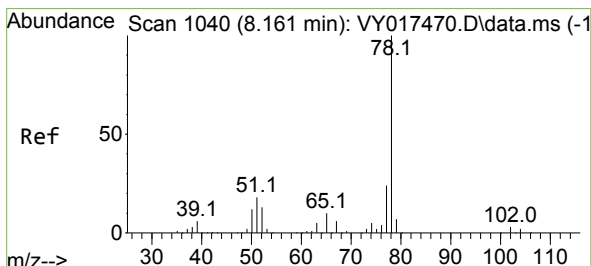
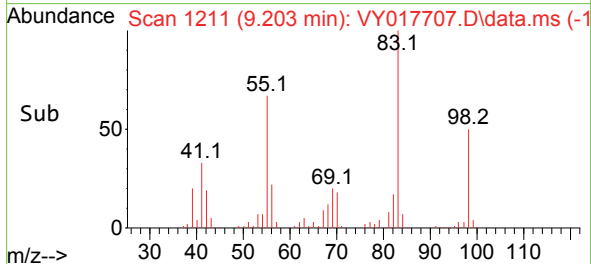
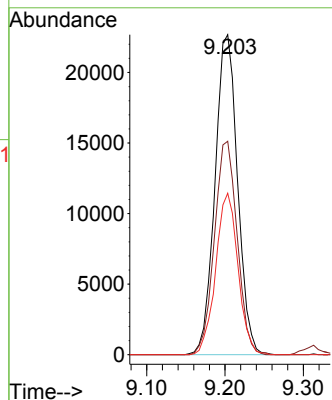
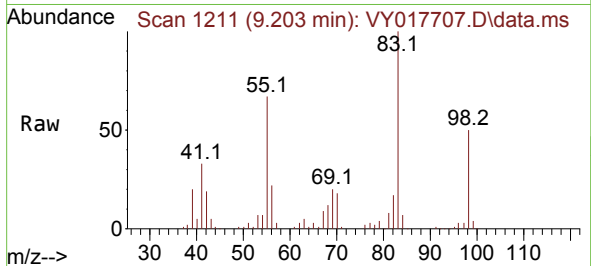




#39  
Methylcyclohexane  
Concen: 16.620 ug/l  
RT: 9.203 min Scan# 11  
Delta R.T. 0.018 min  
Lab File: VY017707.D  
Acq: 19 Mar 2024 12:58

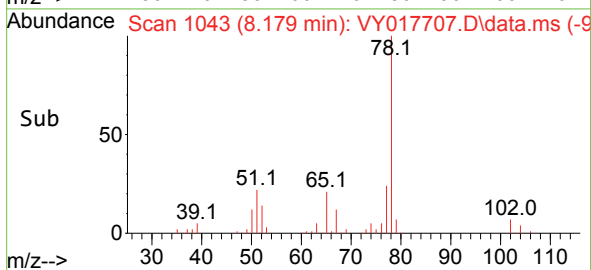
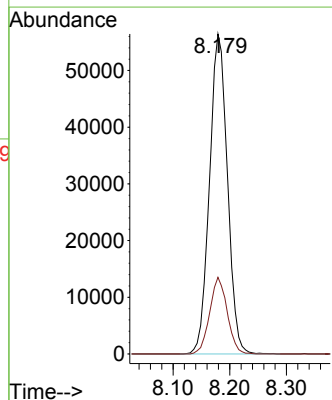
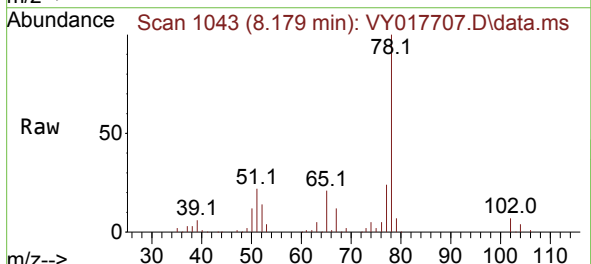
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0319SBS01

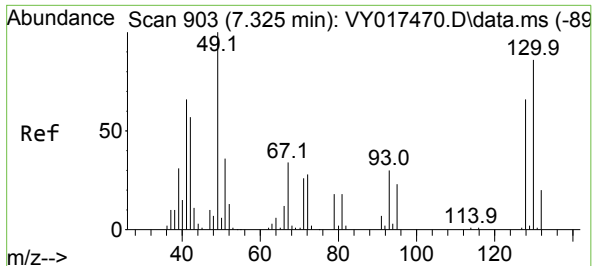
Tgt Ion: 83 Resp: 45453  
Ion Ratio Lower Upper  
83 100  
55 66.7 51.5 77.3  
98 50.4 40.5 60.7



#40  
Benzene  
Concen: 18.353 ug/l  
RT: 8.179 min Scan# 1043  
Delta R.T. 0.018 min  
Lab File: VY017707.D  
Acq: 19 Mar 2024 12:58

Tgt Ion: 78 Resp: 124031  
Ion Ratio Lower Upper  
78 100  
77 24.0 19.5 29.3

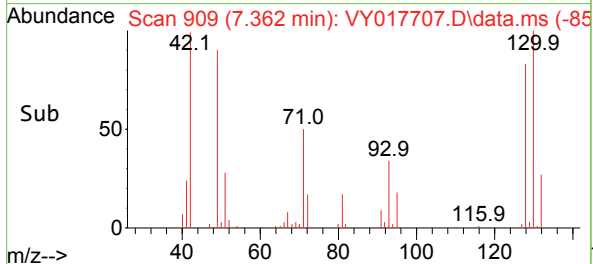
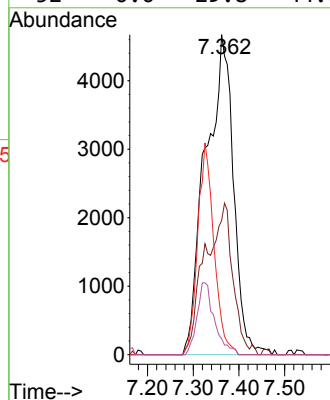
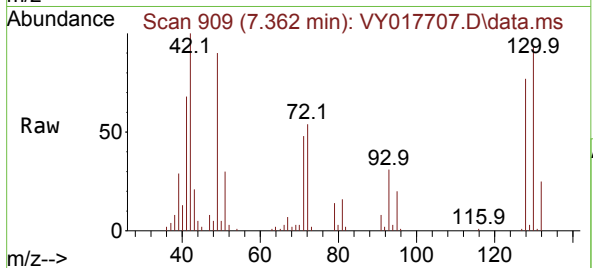




#41  
Methacrylonitrile  
Concen: 43.907 ug/l  
RT: 7.362 min Scan# 903  
Delta R.T. 0.037 min  
Lab File: VY017707.D  
Acq: 19 Mar 2024 12:58

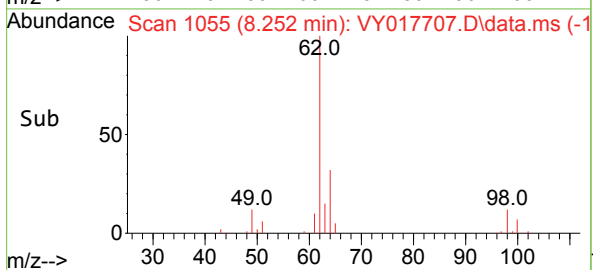
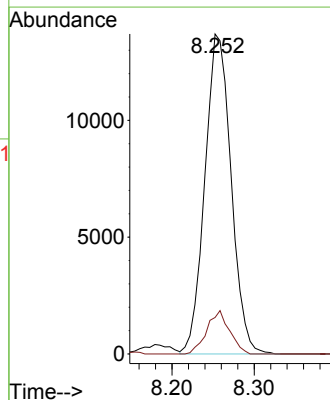
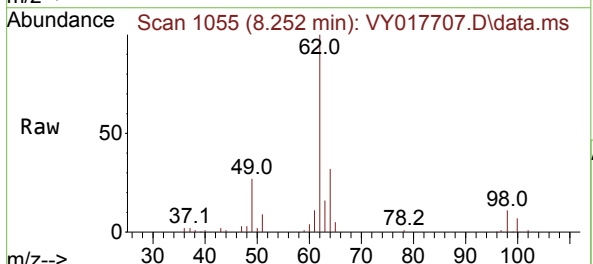
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0319SBS01

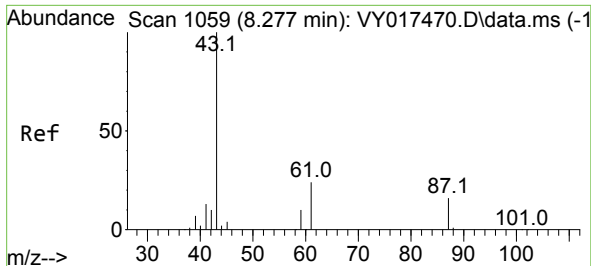
Tgt Ion: 41 Resp: 19803  
Ion Ratio Lower Upper  
41 100  
39 27.5 48.0 72.0#  
67 0.0 75.1 112.7#  
52 0.0 29.8 44.6#



#42  
1,2-Dichloroethane  
Concen: 18.429 ug/l  
RT: 8.252 min Scan# 1055  
Delta R.T. 0.012 min  
Lab File: VY017707.D  
Acq: 19 Mar 2024 12:58

Tgt Ion: 62 Resp: 30387  
Ion Ratio Lower Upper  
62 100  
98 11.7 0.0 22.0

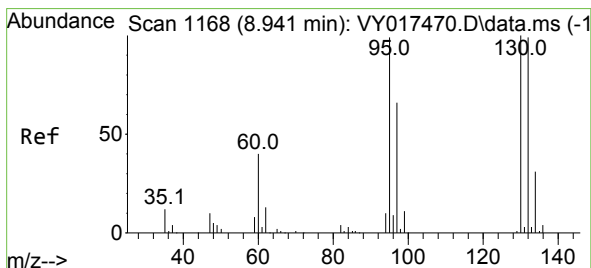
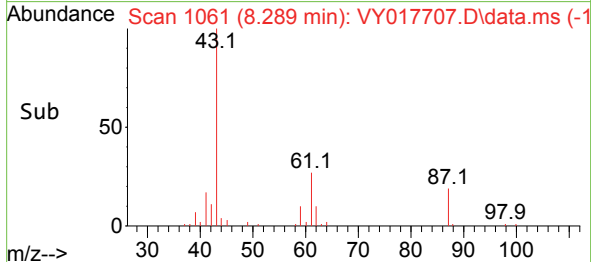
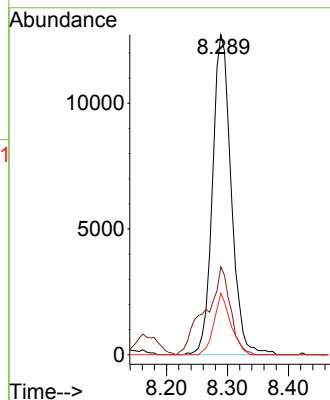
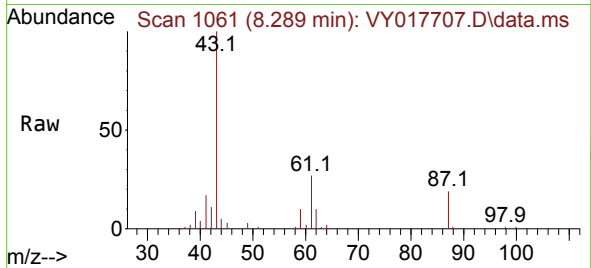




#43  
Isopropyl Acetate  
Concen: 17.179 ug/l  
RT: 8.289 min Scan# 1106  
Delta R.T. 0.012 min  
Lab File: VY017707.D  
Acq: 19 Mar 2024 12:58

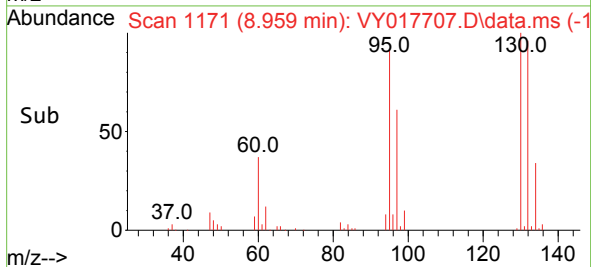
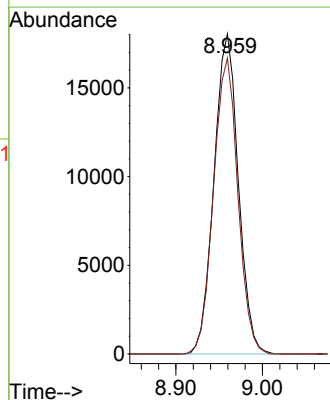
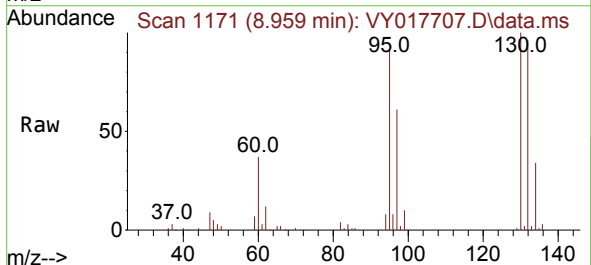
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0319SBSD01

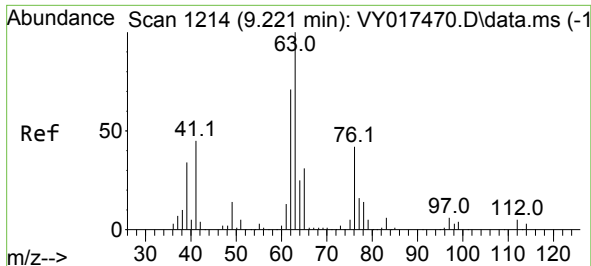
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 36.5  | 27.9  | 41.9  |
| 87      | 17.1  | 13.1  | 19.7  |



#44  
Trichloroethene  
Concen: 18.100 ug/l  
RT: 8.959 min Scan# 1171  
Delta R.T. 0.018 min  
Lab File: VY017707.D  
Acq: 19 Mar 2024 12:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 92.5  | 0.0   | 188.0 |

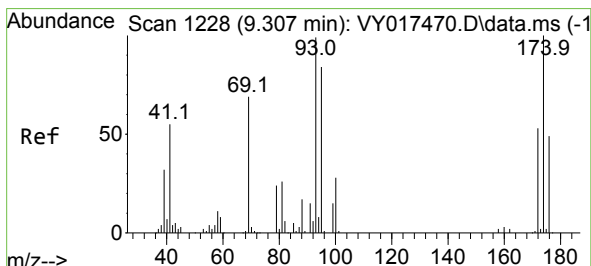
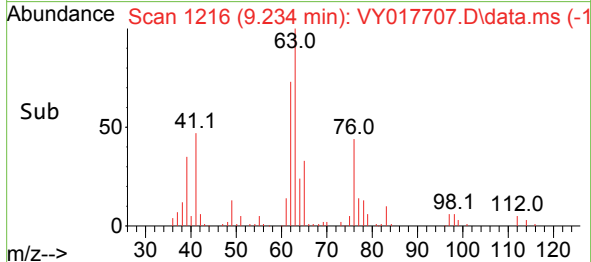
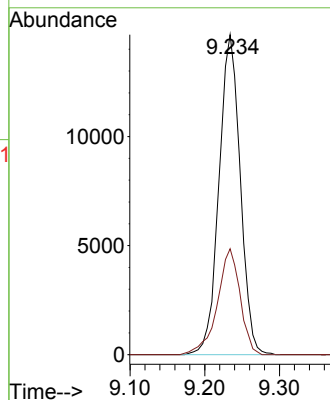
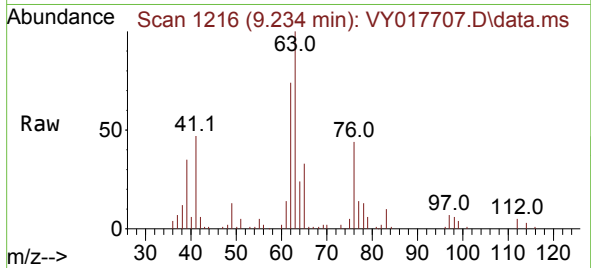




#45  
1,2-Dichloropropane  
Concen: 18.015 ug/l  
RT: 9.234 min Scan# 11  
Delta R.T. 0.012 min  
Lab File: VY017707.D  
Acq: 19 Mar 2024 12:58

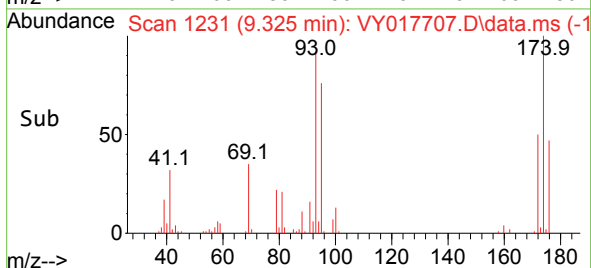
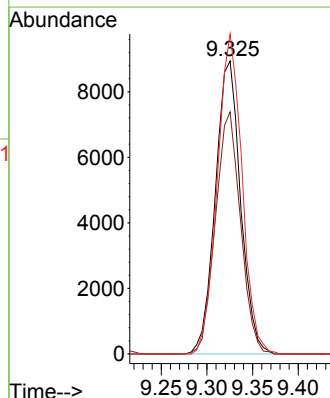
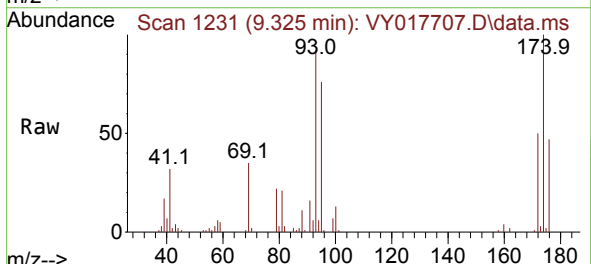
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0319SBS01

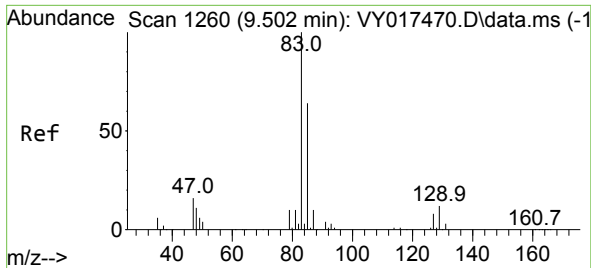
Tgt Ion: 63 Resp: 28964  
Ion Ratio Lower Upper  
63 100  
65 33.1 25.4 38.2



#46  
Dibromomethane  
Concen: 18.647 ug/l  
RT: 9.325 min Scan# 1231  
Delta R.T. 0.018 min  
Lab File: VY017707.D  
Acq: 19 Mar 2024 12:58

Tgt Ion: 93 Resp: 17158  
Ion Ratio Lower Upper  
93 100  
95 82.2 66.2 99.4  
174 106.6 80.9 121.3

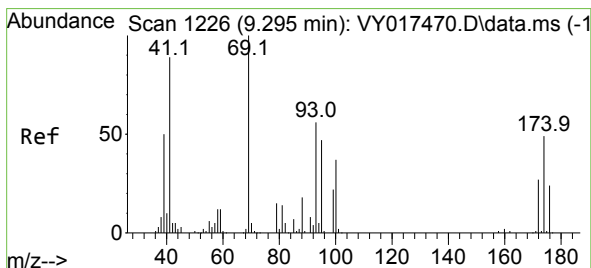
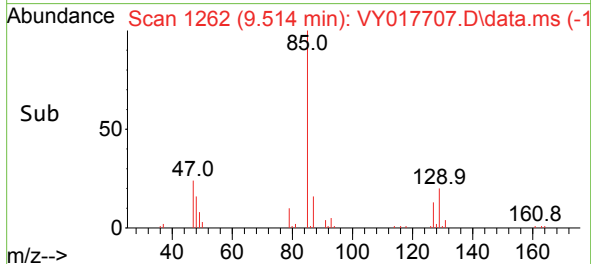
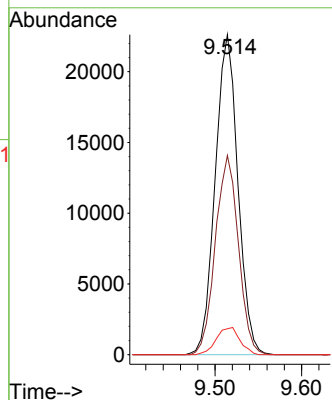
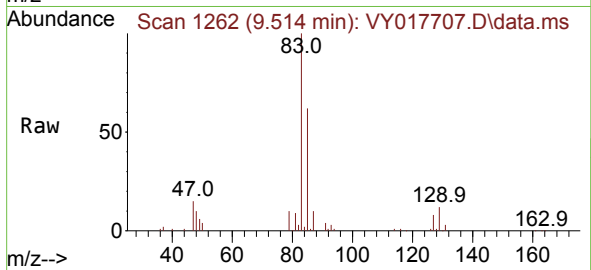




#47  
Bromodichloromethane  
Concen: 18.447 ug/l  
RT: 9.514 min Scan# 11  
Delta R.T. 0.012 min  
Lab File: VY017707.D  
Acq: 19 Mar 2024 12:58

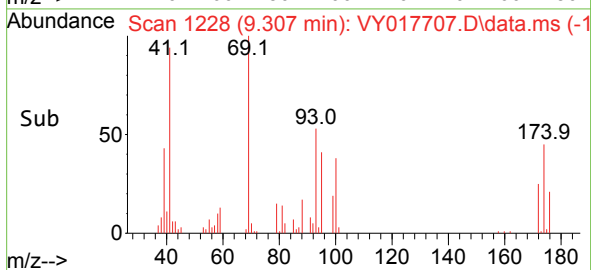
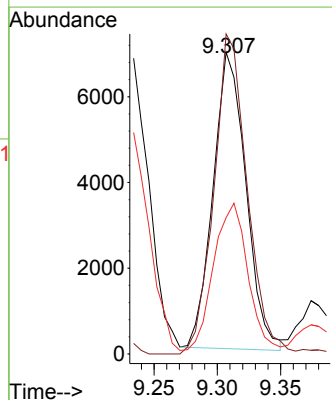
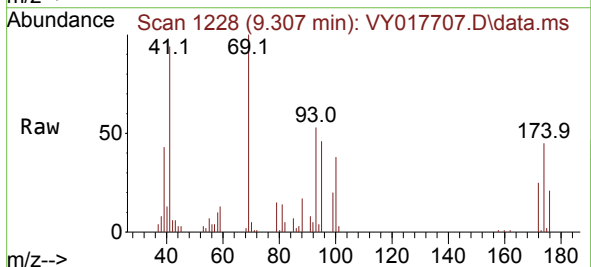
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0319SBS01

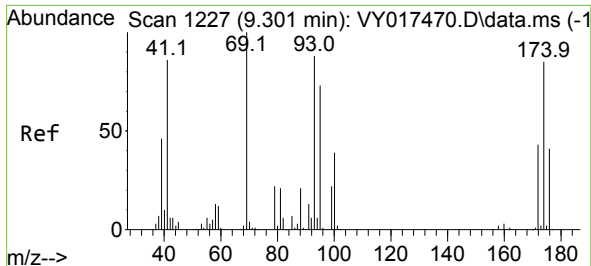
Tgt Ion: 83 Resp: 41214  
Ion Ratio Lower Upper  
83 100  
85 62.2 50.1 75.1  
127 8.1 7.4 11.0



#48  
Methyl methacrylate  
Concen: 17.040 ug/l  
RT: 9.307 min Scan# 1228  
Delta R.T. 0.012 min  
Lab File: VY017707.D  
Acq: 19 Mar 2024 12:58

Tgt Ion: 41 Resp: 12457  
Ion Ratio Lower Upper  
41 100  
69 109.3 84.1 126.1  
39 52.0 43.6 65.4





#49

1,4-Dioxane

Concen: 320.641 ug/l

RT: 9.319 min Scan# 1230

Delta R.T. 0.018 min

Lab File: VY017707.D

Acq: 19 Mar 2024 12:58

Instrument :

MSVOA\_Y

ClientSampleId :

VY0319SBS01

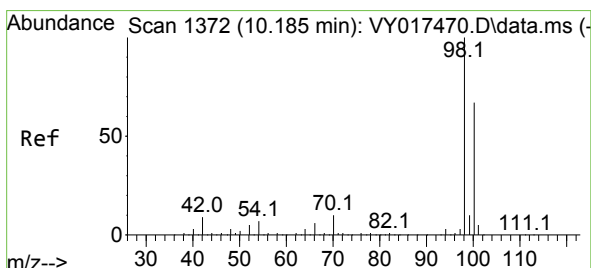
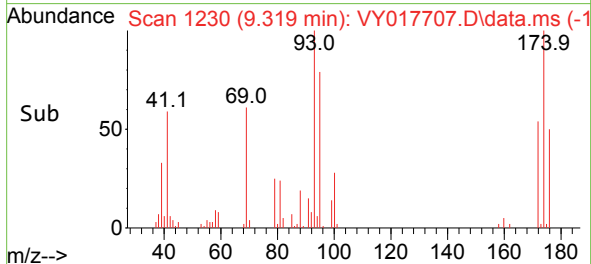
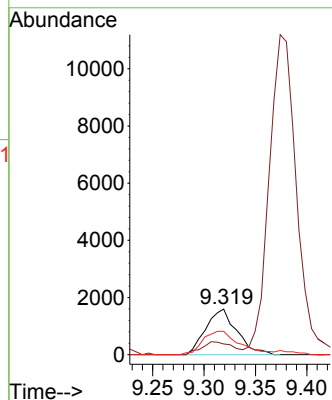
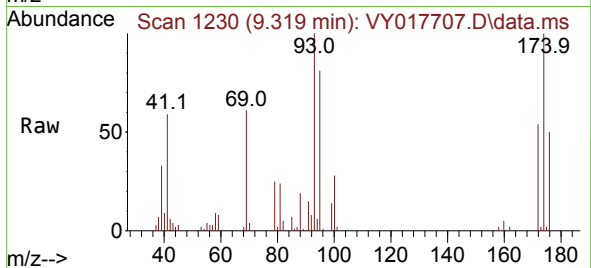
Tgt Ion: 88 Resp: 3339

Ion Ratio Lower Upper

88 100

43 28.8 0.0 0.0#

58 60.9 49.3 73.9



#50

Toluene-d8

Concen: 48.434 ug/l

RT: 10.197 min Scan# 1374

Delta R.T. 0.012 min

Lab File: VY017707.D

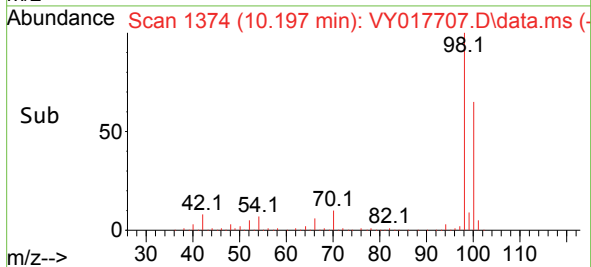
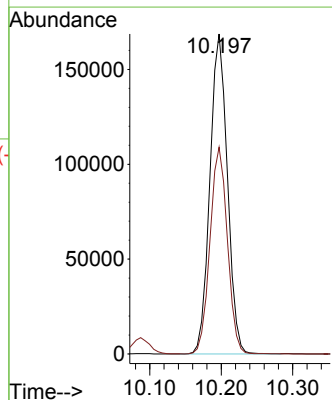
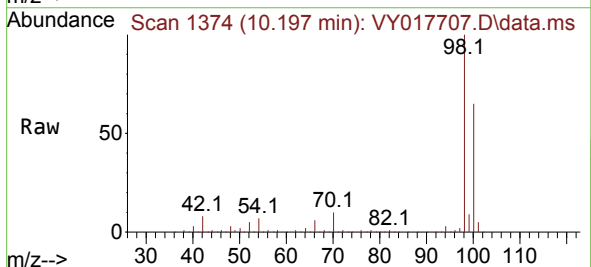
Acq: 19 Mar 2024 12:58

Tgt Ion: 98 Resp: 285613

Ion Ratio Lower Upper

98 100

100 64.4 52.0 78.0

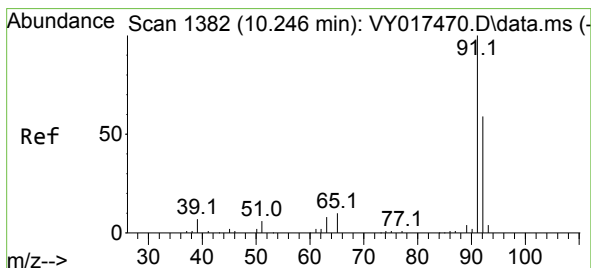
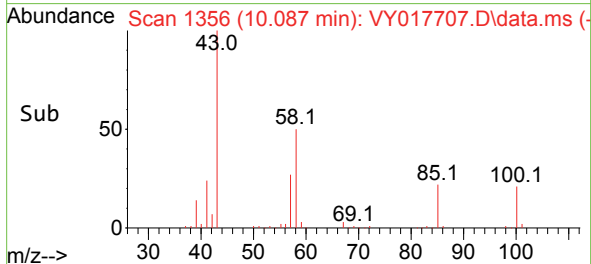
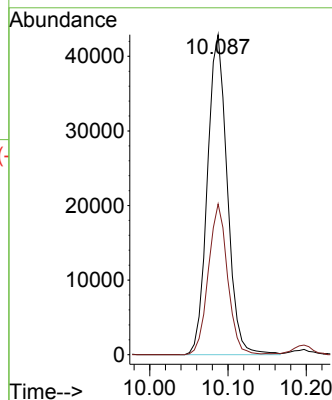
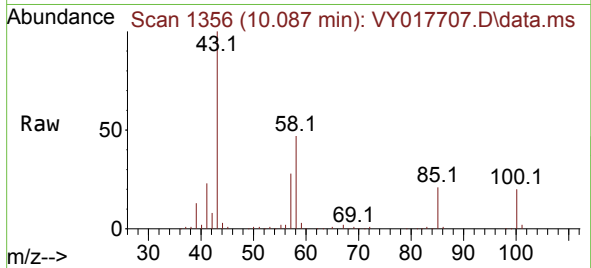




#51  
4-Methyl-2-Pentanone  
Concen: 85.669 ug/l  
RT: 10.087 min Scan# 1356  
Delta R.T. 0.012 min  
Lab File: VY017707.D  
Acq: 19 Mar 2024 12:58

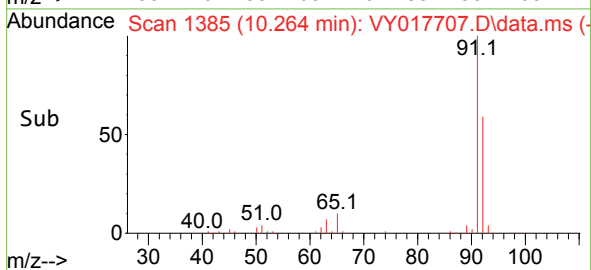
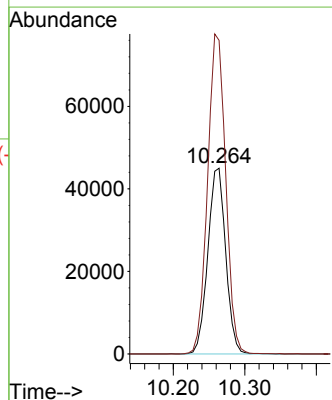
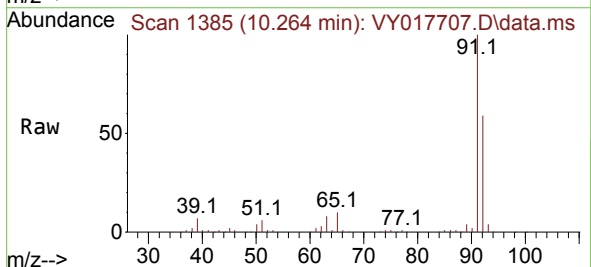
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0319SBS01

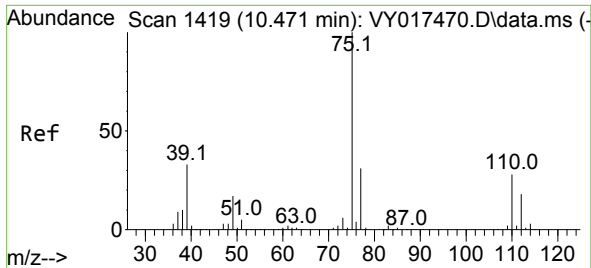
Tgt Ion: 43 Resp: 75409  
Ion Ratio Lower Upper  
43 100  
58 45.5 35.7 53.5



#52  
Toluene  
Concen: 18.366 ug/l  
RT: 10.264 min Scan# 1385  
Delta R.T. 0.018 min  
Lab File: VY017707.D  
Acq: 19 Mar 2024 12:58

Tgt Ion: 92 Resp: 78244  
Ion Ratio Lower Upper  
92 100  
91 174.3 139.0 208.6

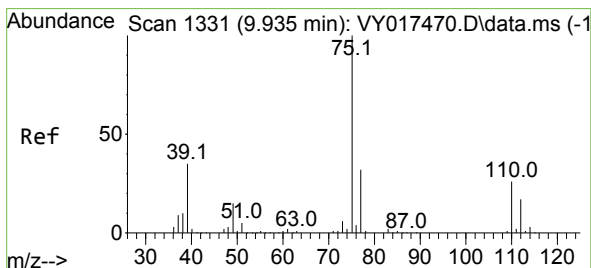
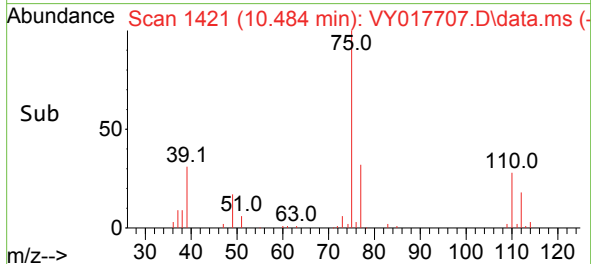
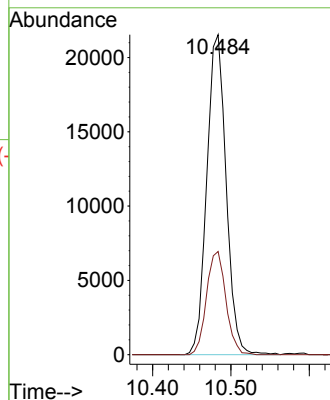
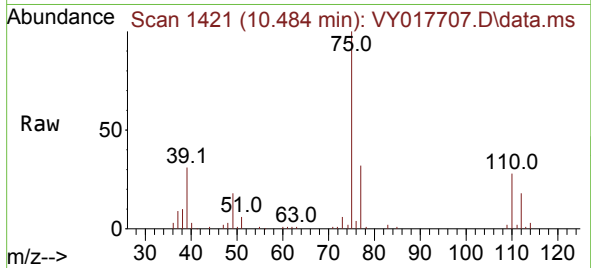




#53  
t-1,3-Dichloropropene  
Concen: 17.793 ug/l  
RT: 10.484 min Scan# 1419  
Delta R.T. 0.012 min  
Lab File: VY017707.D  
Acq: 19 Mar 2024 12:58

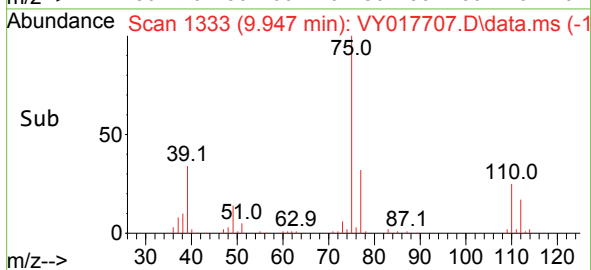
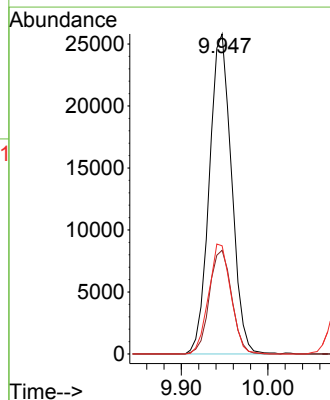
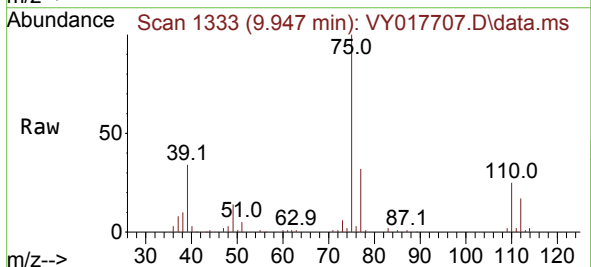
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0319SBS01

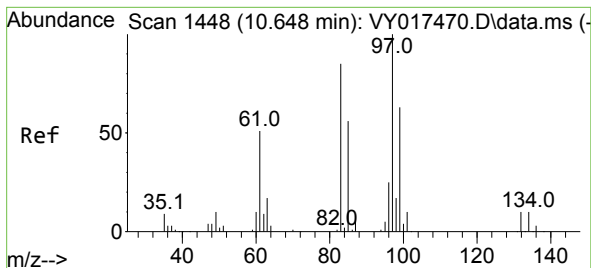
Tgt Ion: 75 Resp: 36898  
Ion Ratio Lower Upper  
75 100  
77 32.2 24.1 36.1



#54  
cis-1,3-Dichloropropene  
Concen: 18.213 ug/l  
RT: 9.947 min Scan# 1333  
Delta R.T. 0.012 min  
Lab File: VY017707.D  
Acq: 19 Mar 2024 12:58

Tgt Ion: 75 Resp: 45893  
Ion Ratio Lower Upper  
75 100  
77 32.4 25.4 38.0  
39 33.8 29.8 44.6





#55

1,1,2-Trichloroethane

Concen: 17.907 ug/l

RT: 10.660 min Scan# 1448

Delta R.T. 0.012 min

Lab File: VY017707.D

Acq: 19 Mar 2024 12:58

Instrument :

MSVOA\_Y

ClientSampleId :

VY0319SBS01

Tgt Ion: 97 Resp: 23394

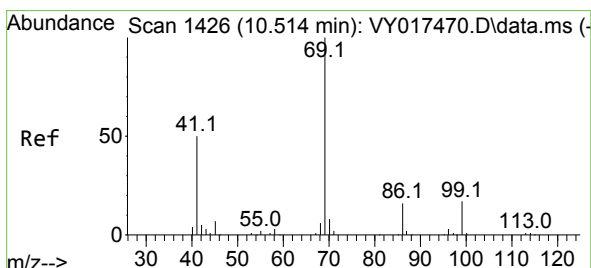
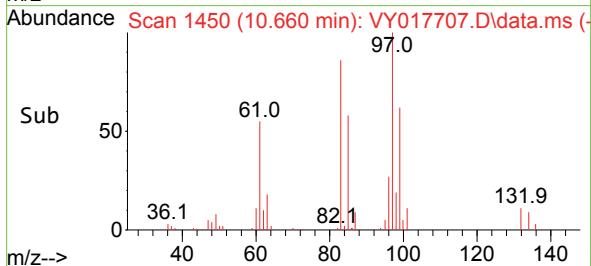
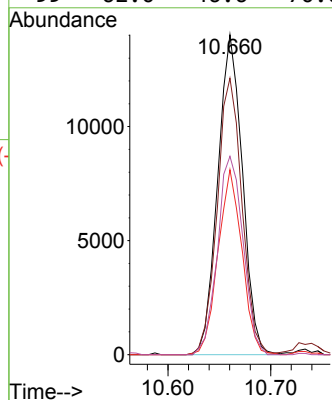
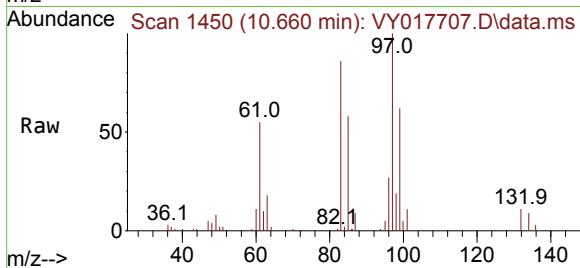
Ion Ratio Lower Upper

97 100

83 86.4 67.5 101.3

85 57.8 42.9 64.3

99 62.0 46.6 70.0



#56

Ethyl methacrylate

Concen: 17.173 ug/l

RT: 10.526 min Scan# 1428

Delta R.T. 0.012 min

Lab File: VY017707.D

Acq: 19 Mar 2024 12:58

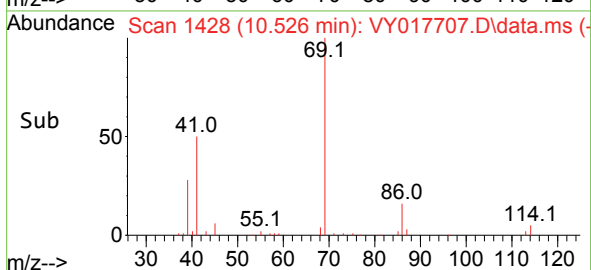
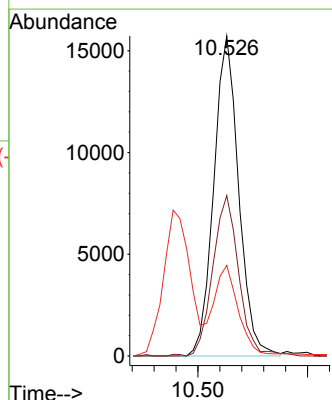
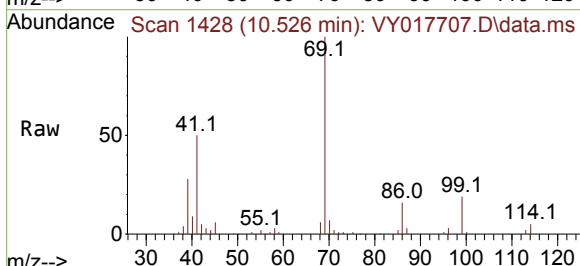
Tgt Ion: 69 Resp: 24781

Ion Ratio Lower Upper

69 100

41 52.3 42.3 63.5

39 28.6 22.9 34.3

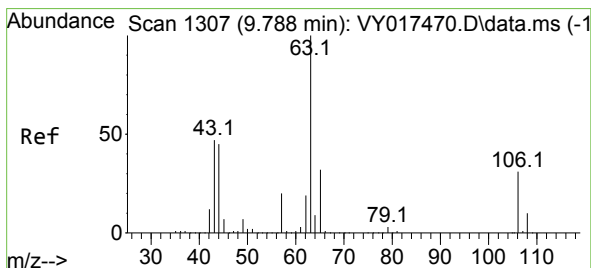
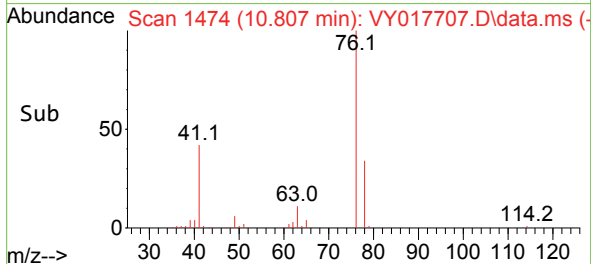
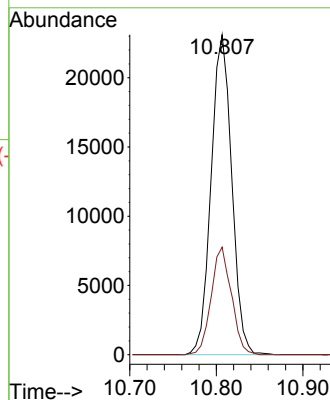
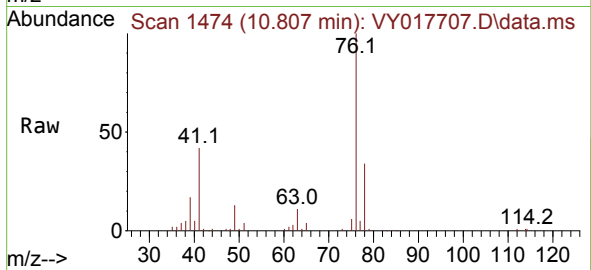




#57  
1,3-Dichloropropane  
Concen: 17.998 ug/l  
RT: 10.807 min Scan# 1472  
Delta R.T. 0.012 min  
Lab File: VY017707.D  
Acq: 19 Mar 2024 12:58

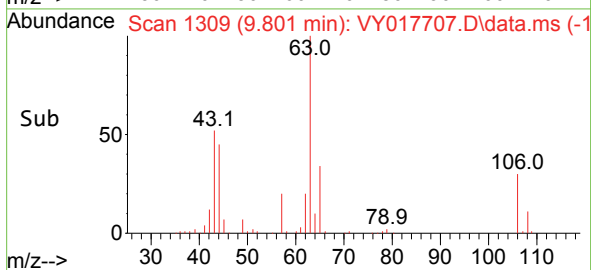
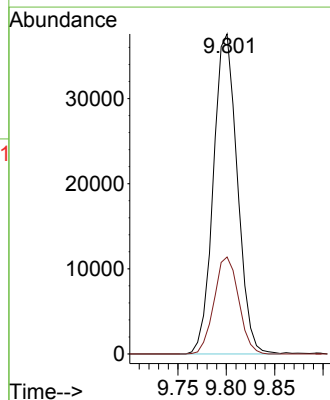
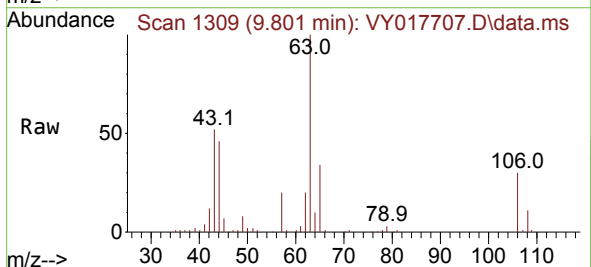
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0319SBS01

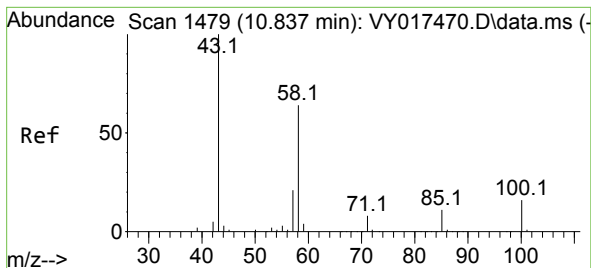
Tgt Ion: 76 Resp: 38229  
Ion Ratio Lower Upper  
76 100  
78 33.0 26.2 39.4



#58  
2-Chloroethyl Vinyl ether  
Concen: 85.928 ug/l  
RT: 9.801 min Scan# 1309  
Delta R.T. 0.012 min  
Lab File: VY017707.D  
Acq: 19 Mar 2024 12:58

Tgt Ion: 63 Resp: 64780  
Ion Ratio Lower Upper  
63 100  
106 30.9 23.7 35.5





#59

2-Hexanone

Concen: 90.416 ug/l

RT: 10.849 min Scan# 1479

Delta R.T. 0.012 min

Lab File: VY017707.D

Acq: 19 Mar 2024 12:58

Instrument :

MSVOA\_Y

ClientSampleId :

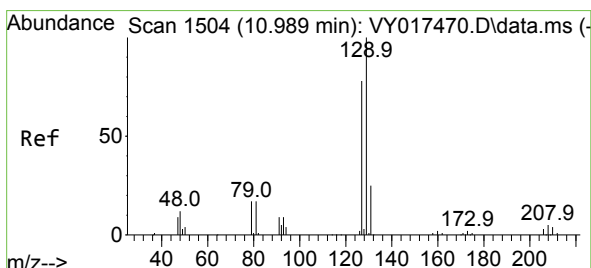
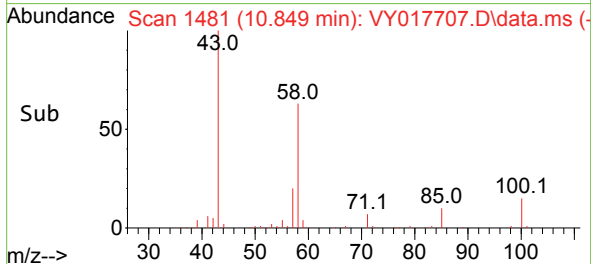
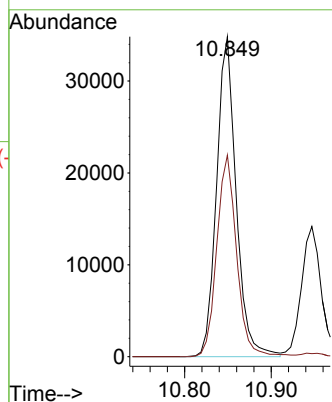
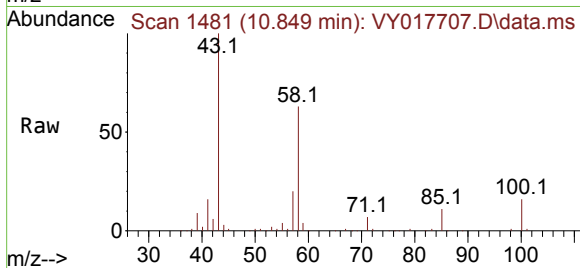
VY0319SBS01

Tgt Ion: 43 Resp: 54667

Ion Ratio Lower Upper

43 100

58 64.1 31.4 94.0



#60

Dibromochloromethane

Concen: 18.376 ug/l

RT: 11.002 min Scan# 1506

Delta R.T. 0.012 min

Lab File: VY017707.D

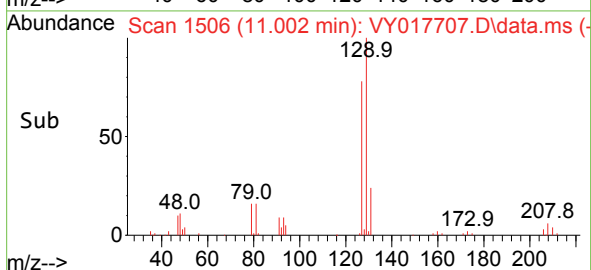
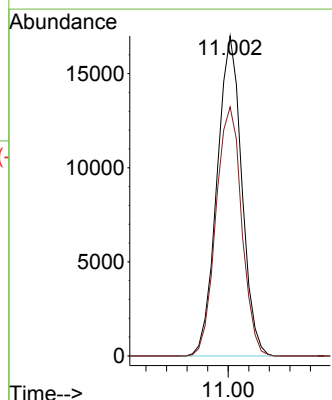
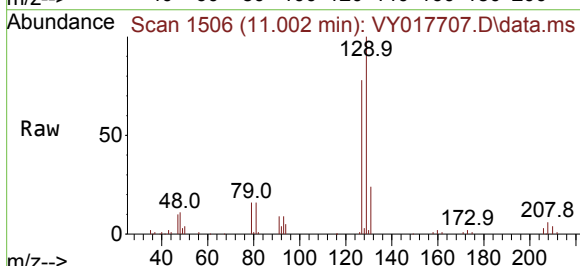
Acq: 19 Mar 2024 12:58

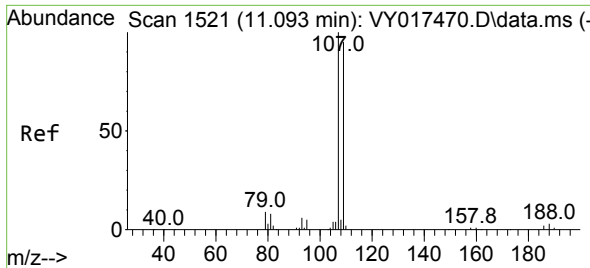
Tgt Ion: 129 Resp: 28401

Ion Ratio Lower Upper

129 100

127 80.9 39.0 117.0

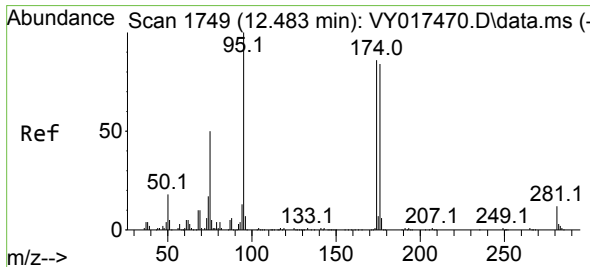
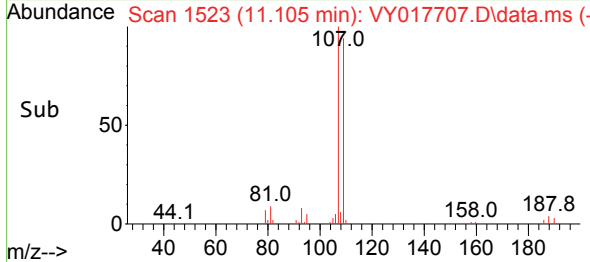
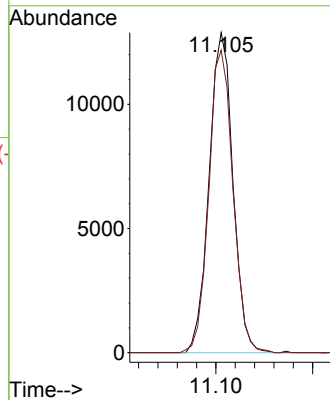
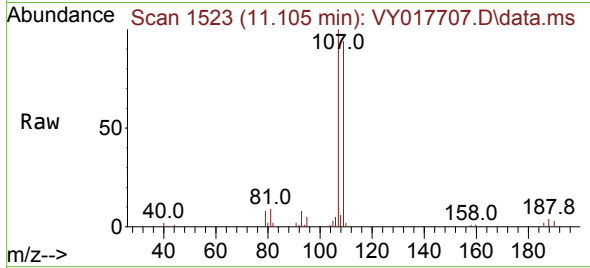




#61  
1,2-Dibromoethane  
Concen: 18.298 ug/l  
RT: 11.105 min Scan# 11  
Delta R.T. 0.012 min  
Lab File: VY017707.D  
Acq: 19 Mar 2024 12:58

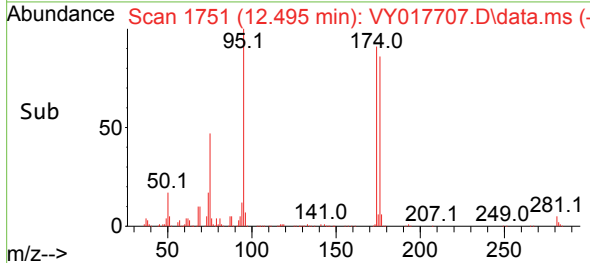
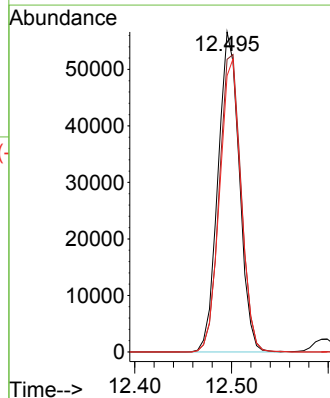
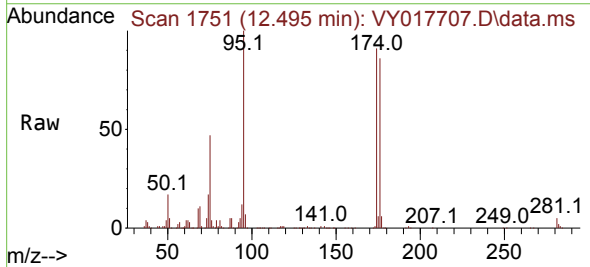
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0319SBSD01

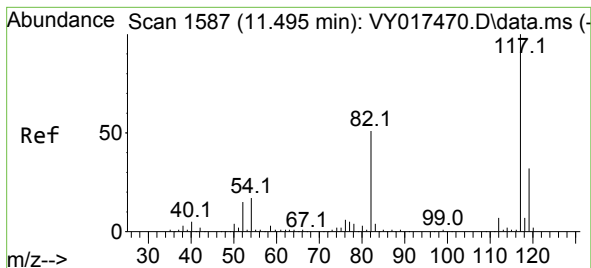
Tgt Ion:107 Resp: 22030  
Ion Ratio Lower Upper  
107 100  
109 95.6 75.9 113.9



#62  
4-Bromofluorobenzene  
Concen: 46.646 ug/l  
RT: 12.495 min Scan# 1751  
Delta R.T. 0.012 min  
Lab File: VY017707.D  
Acq: 19 Mar 2024 12:58

Tgt Ion: 95 Resp: 86447  
Ion Ratio Lower Upper  
95 100  
174 95.1 0.0 175.6  
176 91.9 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.508 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY017707.D

Acq: 19 Mar 2024 12:58

Instrument :

MSVOA\_Y

ClientSampleId :

VY0319SBS01

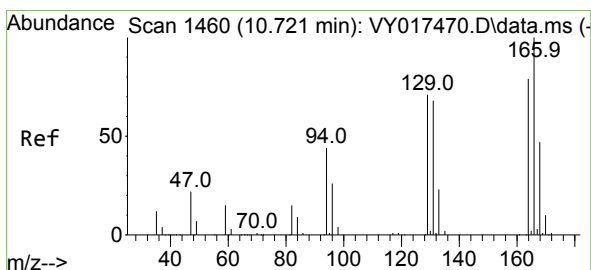
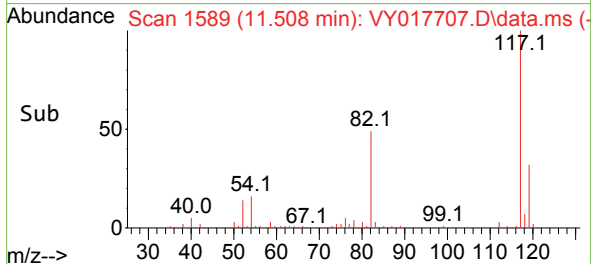
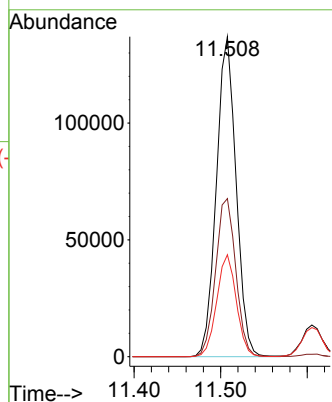
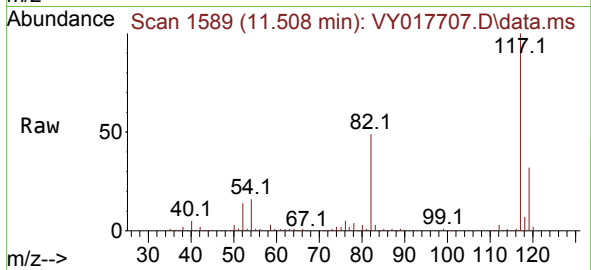
Tgt Ion:117 Resp: 216731

Ion Ratio Lower Upper

117 100

82 49.4 42.4 63.6

119 31.9 25.9 38.9



#64

Tetrachloroethene

Concen: 17.500 ug/l

RT: 10.734 min Scan# 1462

Delta R.T. 0.012 min

Lab File: VY017707.D

Acq: 19 Mar 2024 12:58

Tgt Ion:164 Resp: 36405

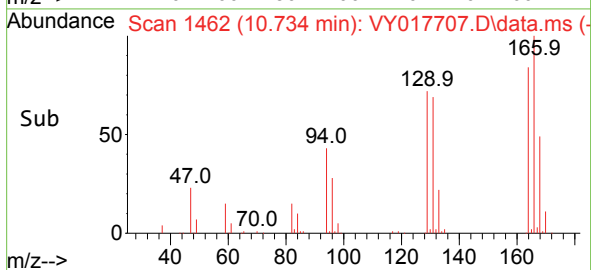
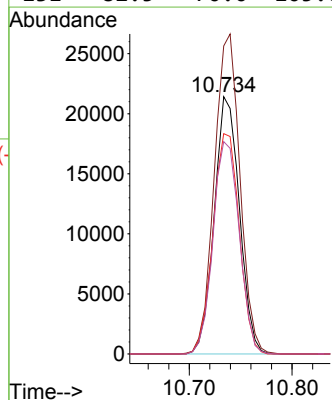
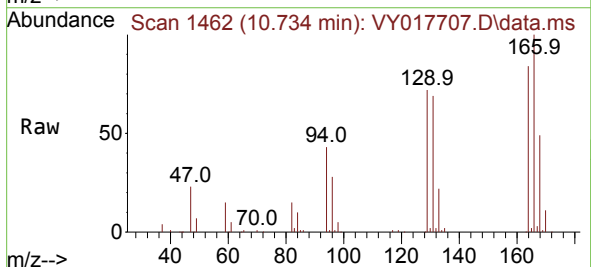
Ion Ratio Lower Upper

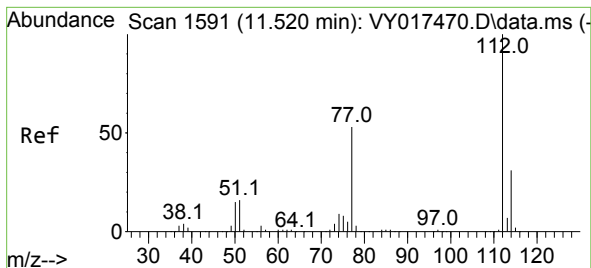
164 100

166 119.7 102.6 154.0

129 85.6 72.0 108.0

131 82.5 70.0 105.0





#65

Chlorobenzene

Concen: 18.341 ug/l

RT: 11.532 min Scan# 1

Delta R.T. 0.012 min

Lab File: VY017707.D

Acq: 19 Mar 2024 12:58

Instrument :

MSVOA\_Y

ClientSampleId :

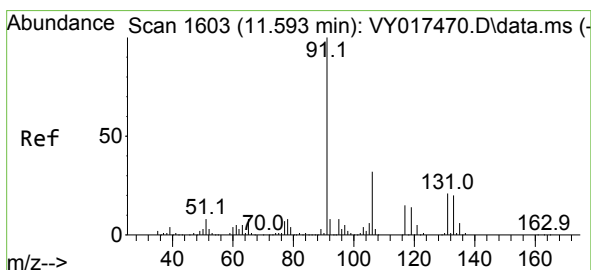
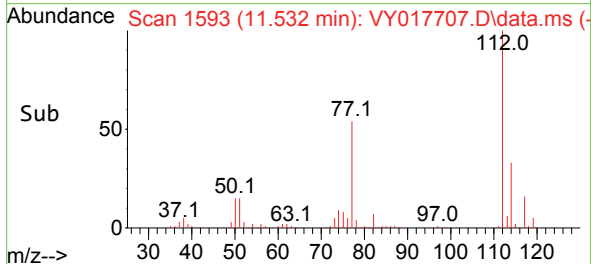
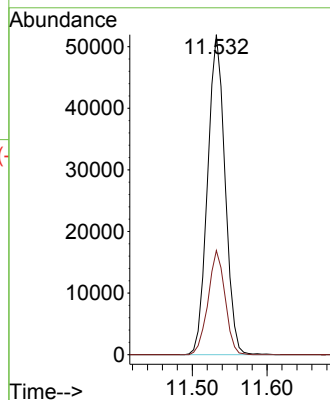
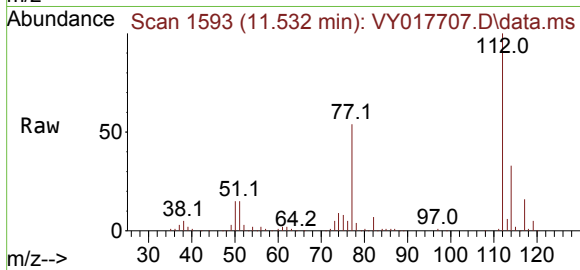
VY0319SBS01

Tgt Ion:112 Resp: 84373

Ion Ratio Lower Upper

112 100

114 32.6 26.4 39.6



#66

1,1,1,2-Tetrachloroethane

Concen: 18.036 ug/l

RT: 11.605 min Scan# 1605

Delta R.T. 0.012 min

Lab File: VY017707.D

Acq: 19 Mar 2024 12:58

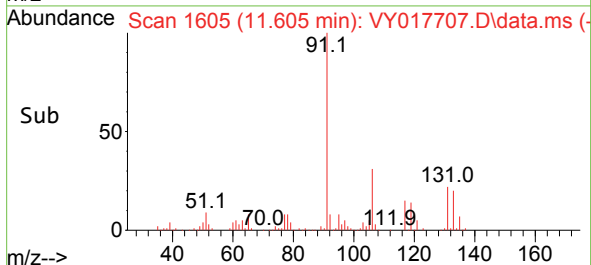
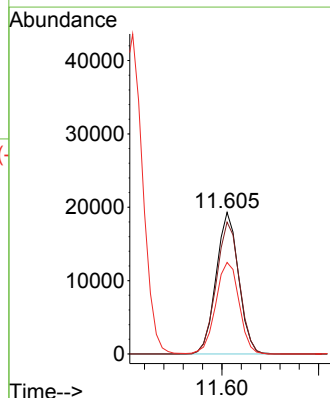
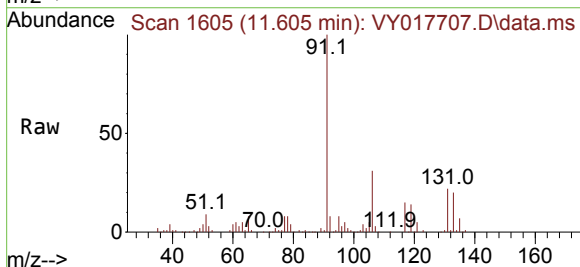
Tgt Ion:131 Resp: 31083

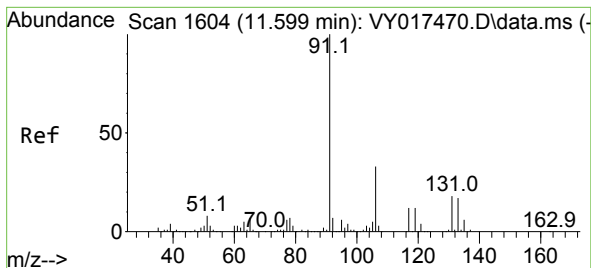
Ion Ratio Lower Upper

131 100

133 95.8 47.8 143.3

119 67.3 34.1 102.2





#67

Ethyl Benzene

Concen: 17.463 ug/l

RT: 11.605 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY017707.D

Acq: 19 Mar 2024 12:58

Instrument :

MSVOA\_Y

ClientSampleId :

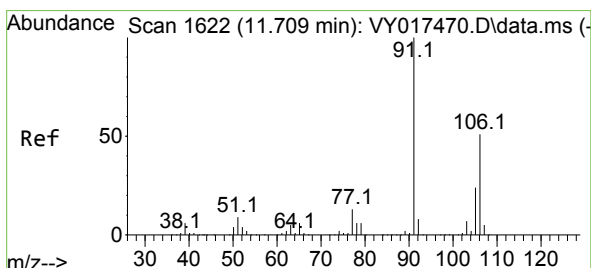
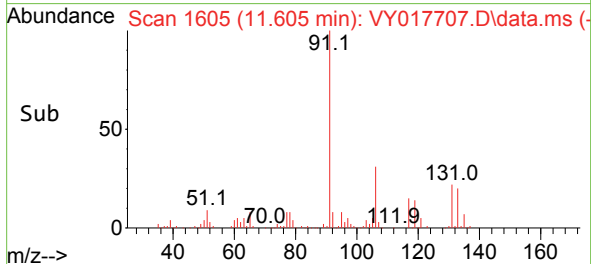
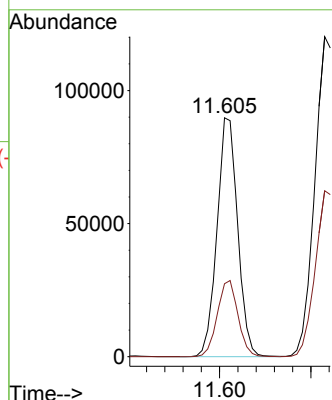
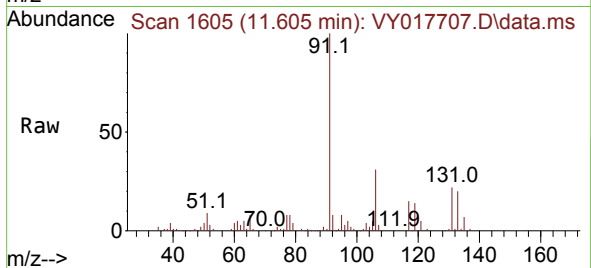
VY0319SBS01

Tgt Ion: 91 Resp: 140888

Ion Ratio Lower Upper

91 100

106 30.5 24.5 36.7



#68

m/p-Xylenes

Concen: 35.885 ug/l

RT: 11.715 min Scan# 1623

Delta R.T. 0.006 min

Lab File: VY017707.D

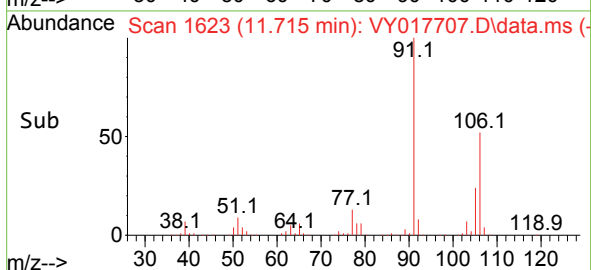
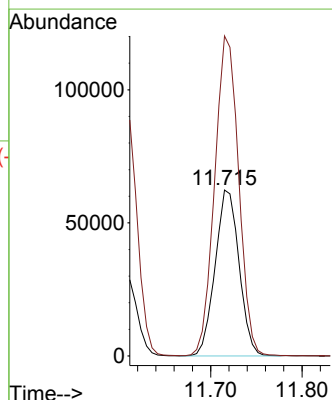
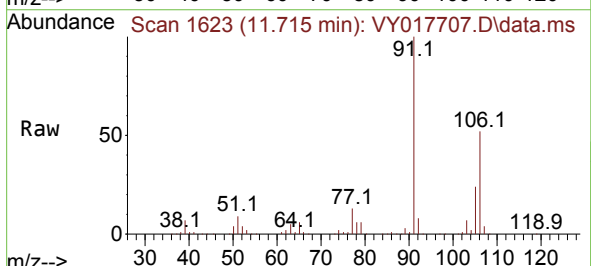
Acq: 19 Mar 2024 12:58

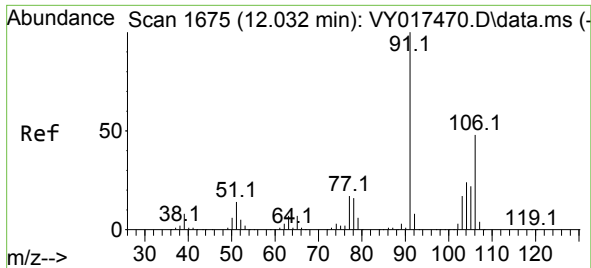
Tgt Ion:106 Resp: 113759

Ion Ratio Lower Upper

106 100

91 193.2 156.0 234.0

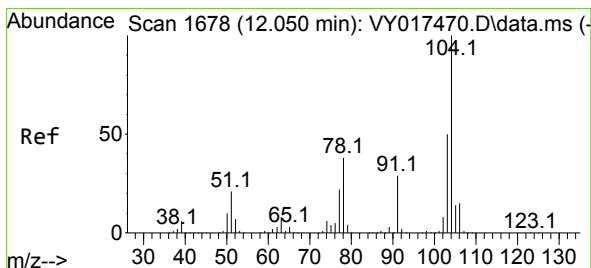
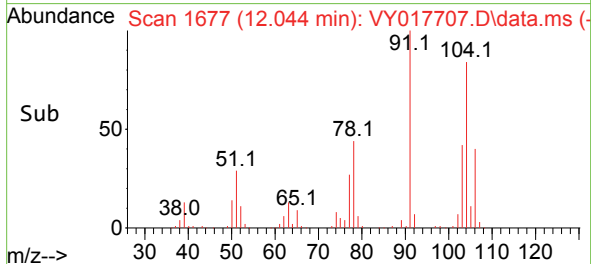
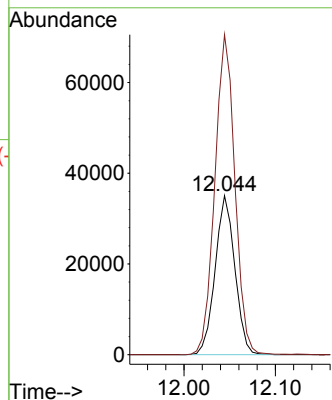
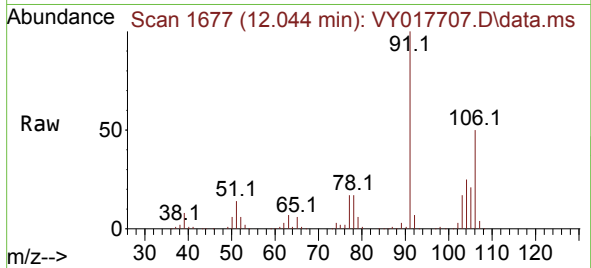




#69  
o-Xylene  
Concen: 17.856 ug/l  
RT: 12.044 min Scan# 1  
Delta R.T. 0.012 min  
Lab File: VY017707.D  
Acq: 19 Mar 2024 12:58

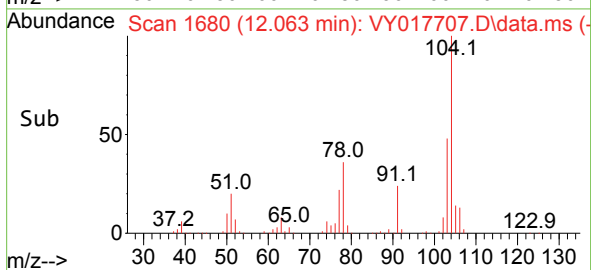
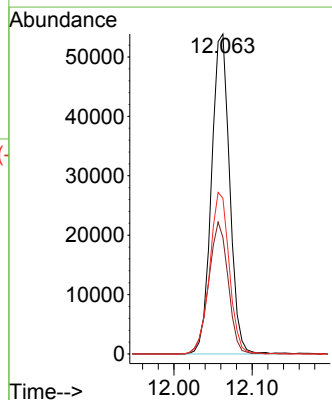
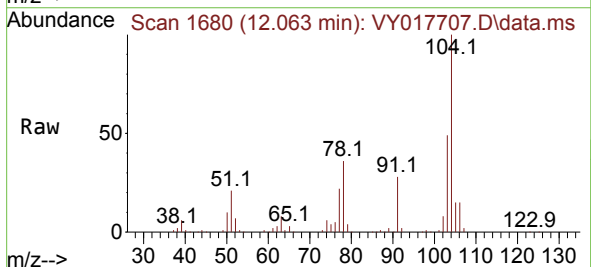
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0319SBS01

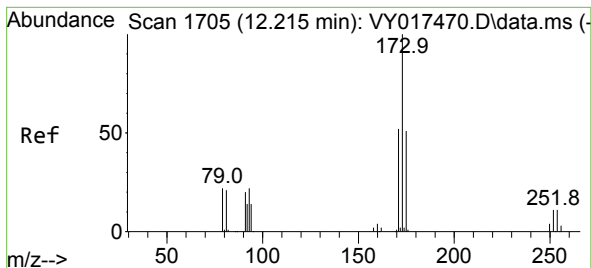
Tgt Ion:106 Resp: 52516  
Ion Ratio Lower Upper  
106 100  
91 204.8 103.6 310.8



#70  
Styrene  
Concen: 17.792 ug/l  
RT: 12.063 min Scan# 1680  
Delta R.T. 0.012 min  
Lab File: VY017707.D  
Acq: 19 Mar 2024 12:58

Tgt Ion:104 Resp: 86859  
Ion Ratio Lower Upper  
104 100  
78 44.2 37.0 55.4  
103 54.4 44.2 66.2





#71

Bromoform

Concen: 18.202 ug/l

RT: 12.221 min Scan# 1706

Delta R.T. 0.006 min

Lab File: VY017707.D

Acq: 19 Mar 2024 12:58

Instrument :

MSVOA\_Y

ClientSampleId :

VY0319SBS01

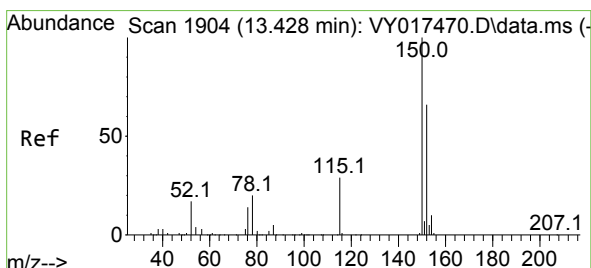
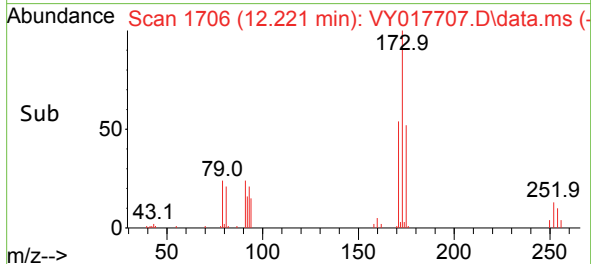
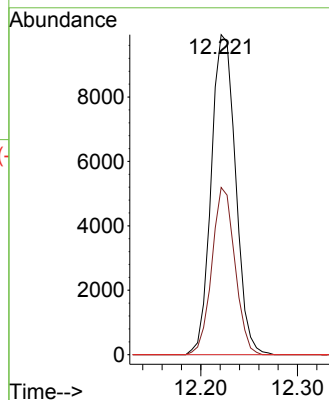
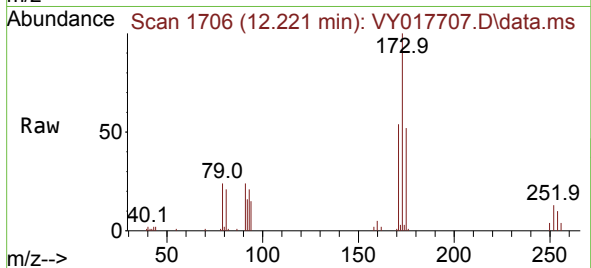
Tgt Ion:173 Resp: 17383

Ion Ratio Lower Upper

173 100

175 49.4 25.1 75.3

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.440 min Scan# 1906

Delta R.T. 0.012 min

Lab File: VY017707.D

Acq: 19 Mar 2024 12:58

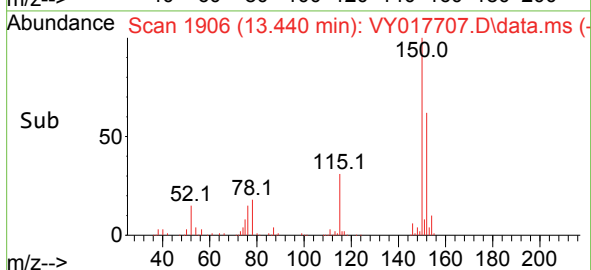
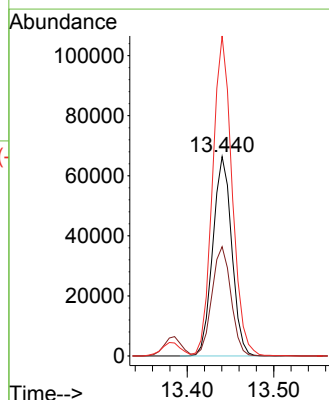
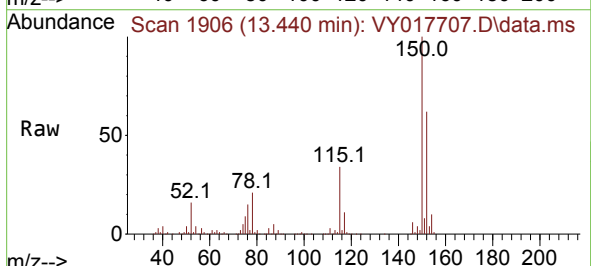
Tgt Ion:152 Resp: 100871

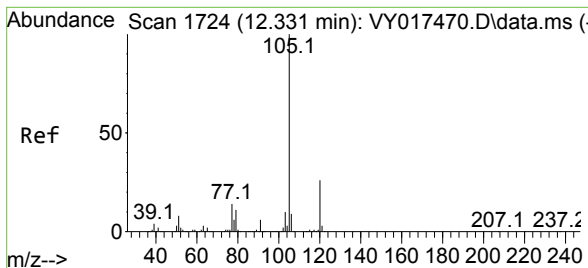
Ion Ratio Lower Upper

152 100

115 55.1 28.2 84.7

150 165.7 0.0 345.6





#73

Isopropylbenzene

Concen: 18.393 ug/l

RT: 12.343 min Scan# 1

Delta R.T. 0.012 min

Lab File: VY017707.D

Acq: 19 Mar 2024 12:58

Instrument :

MSVOA\_Y

ClientSampleId :

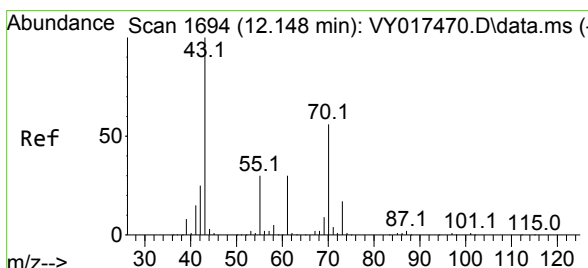
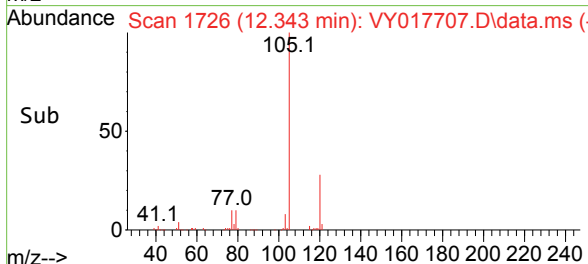
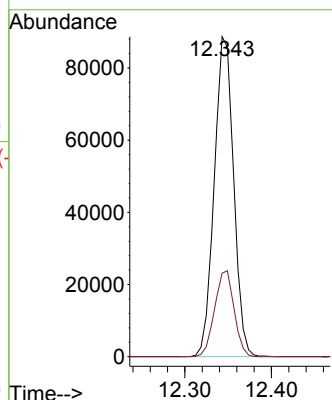
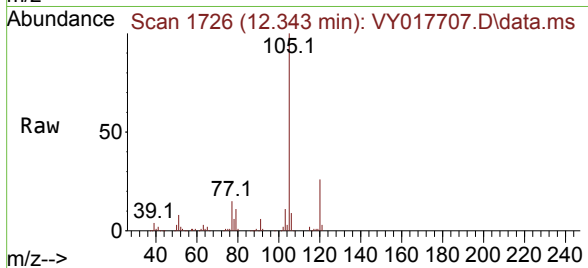
VY0319SBS01

Tgt Ion:105 Resp: 137841

Ion Ratio Lower Upper

105 100

120 26.9 13.4 40.1



#74

N-ethyl acetate

Concen: 16.608 ug/l

RT: 12.160 min Scan# 1696

Delta R.T. 0.012 min

Lab File: VY017707.D

Acq: 19 Mar 2024 12:58

Tgt Ion: 43 Resp: 21952

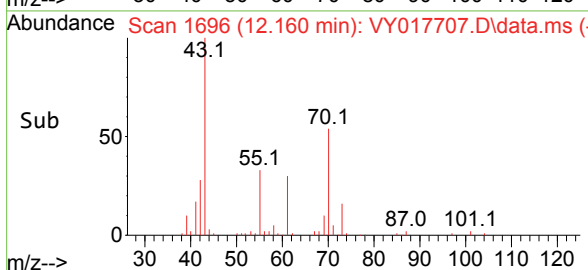
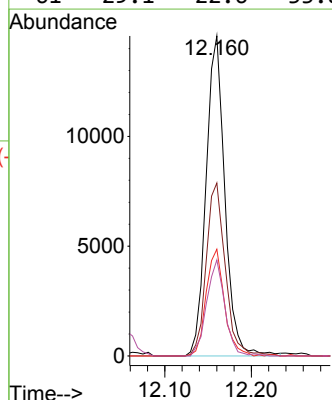
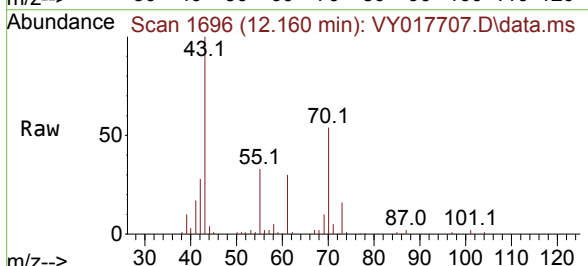
Ion Ratio Lower Upper

43 100

70 55.0 41.4 62.2

55 32.5 23.3 34.9

61 29.1 22.6 33.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.137 ug/l

RT: 12.593 min Scan# 1767

Delta R.T. 0.006 min

Lab File: VY017707.D

Acq: 19 Mar 2024 12:58

Instrument :

MSVOA\_Y

ClientSampleId :

VY0319SBS01

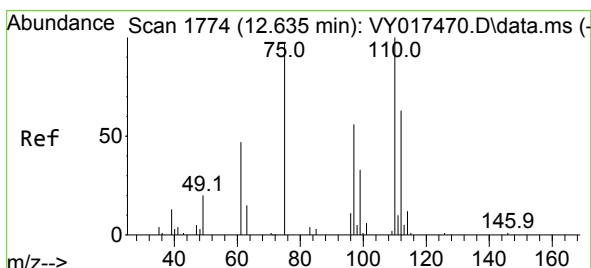
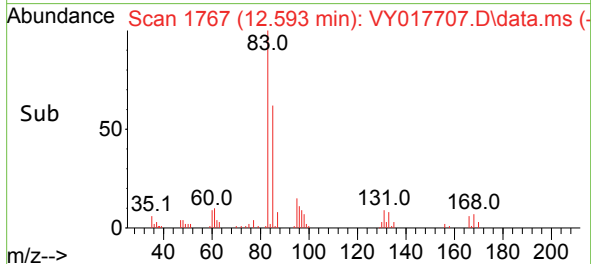
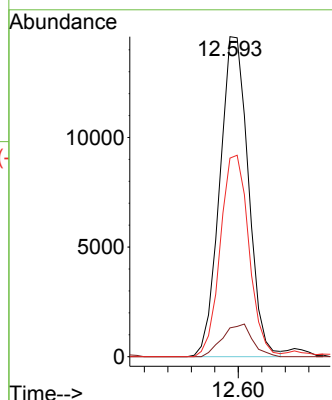
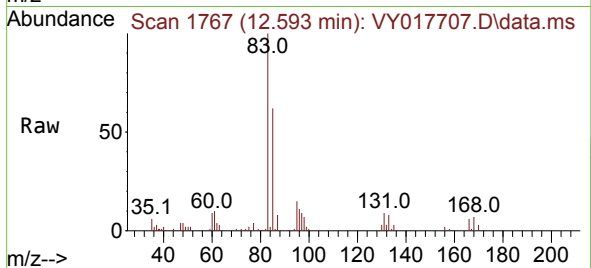
Tgt Ion: 83 Resp: 24627

Ion Ratio Lower Upper

83 100

131 10.7 5.0 14.9

85 63.1 32.0 96.0



#76

1,2,3-Trichloropropane

Concen: 31.684 ug/l

RT: 12.648 min Scan# 1776

Delta R.T. 0.012 min

Lab File: VY017707.D

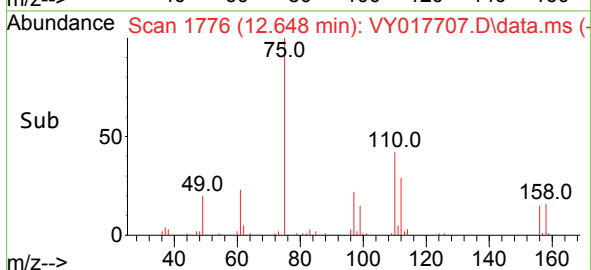
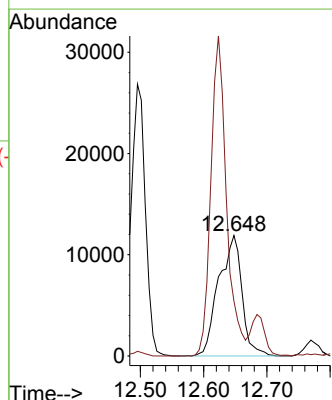
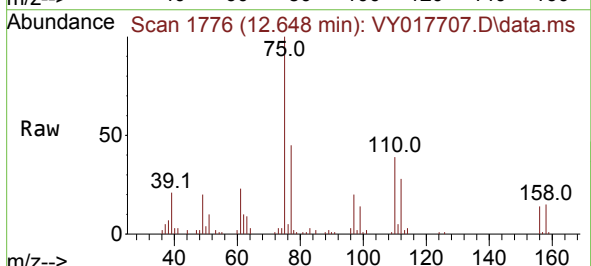
Acq: 19 Mar 2024 12:58

Tgt Ion: 75 Resp: 30367

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 18.333 ug/l

RT: 12.623 min Scan# 1772

Delta R.T. 0.012 min

Lab File: VY017707.D

Acq: 19 Mar 2024 12:58

Instrument :

MSVOA\_Y

ClientSampleId :

VY0319SBS01

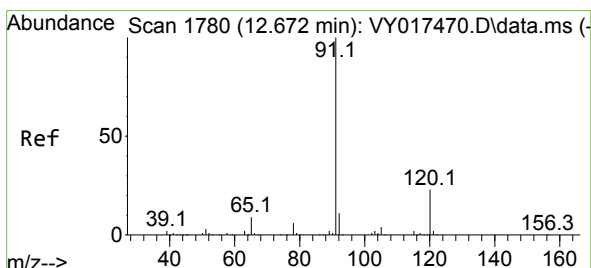
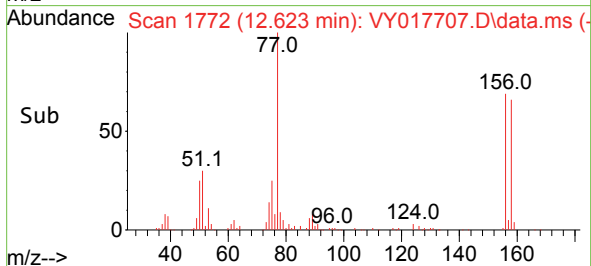
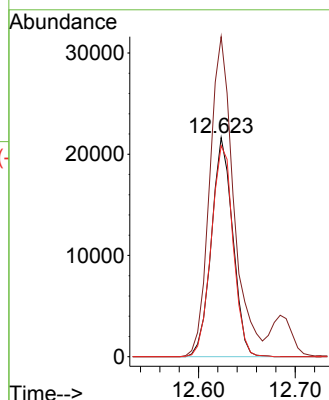
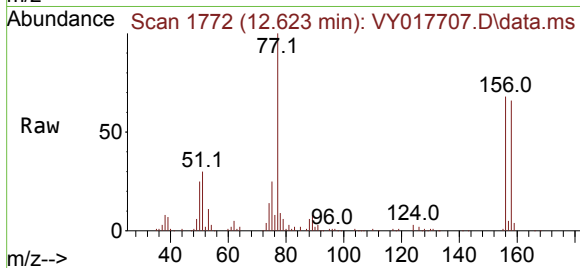
Tgt Ion:156 Resp: 33272

Ion Ratio Lower Upper

156 100

77 164.0 87.1 261.3

158 98.9 48.6 145.9



#78

n-propylbenzene

Concen: 18.575 ug/l

RT: 12.684 min Scan# 1782

Delta R.T. 0.012 min

Lab File: VY017707.D

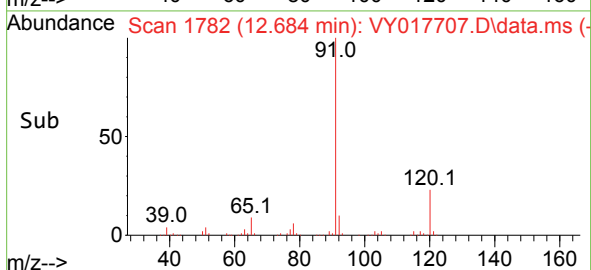
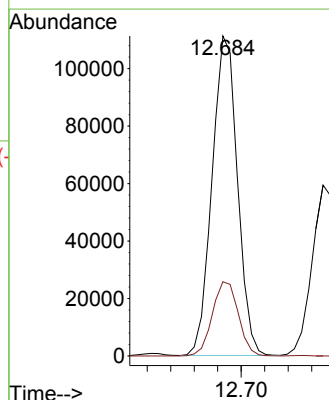
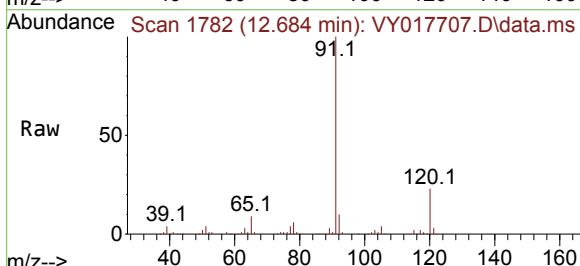
Acq: 19 Mar 2024 12:58

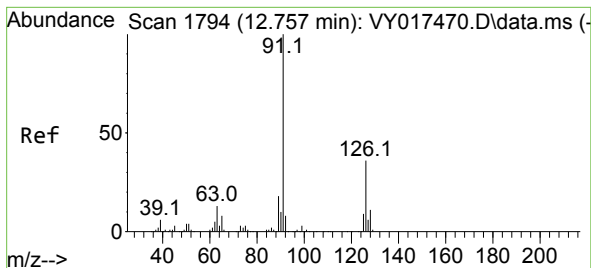
Tgt Ion: 91 Resp: 167026

Ion Ratio Lower Upper

91 100

120 23.7 11.5 34.4





#79

2-Chlorotoluene

Concen: 18.443 ug/l

RT: 12.770 min Scan# 1

Delta R.T. 0.012 min

Lab File: VY017707.D

Acq: 19 Mar 2024 12:58

Instrument :

MSVOA\_Y

ClientSampleId :

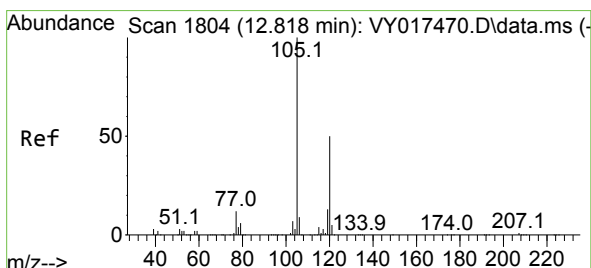
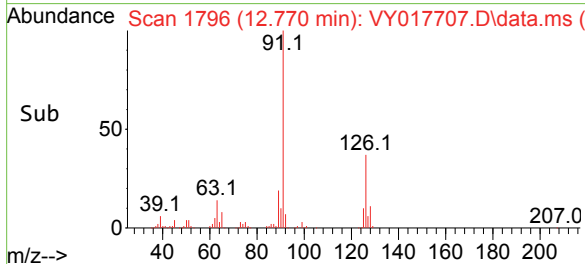
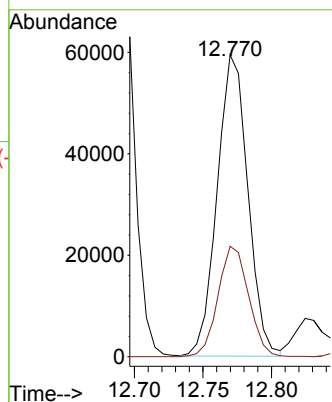
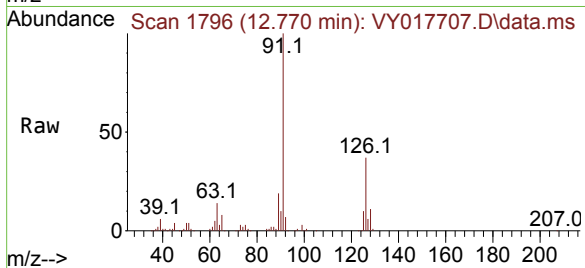
VY0319SBS01

Tgt Ion: 91 Resp: 92851

Ion Ratio Lower Upper

91 100

126 36.4 17.8 53.5



#80

1,3,5-Trimethylbenzene

Concen: 18.485 ug/l

RT: 12.825 min Scan# 1805

Delta R.T. 0.006 min

Lab File: VY017707.D

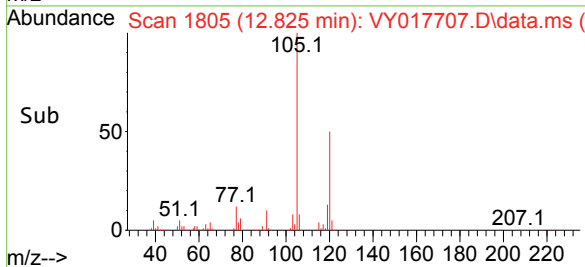
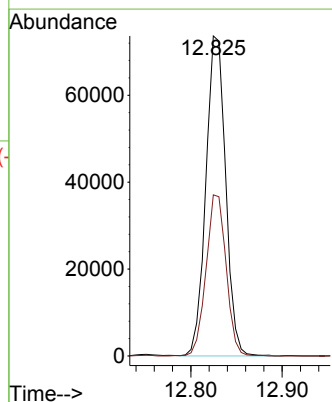
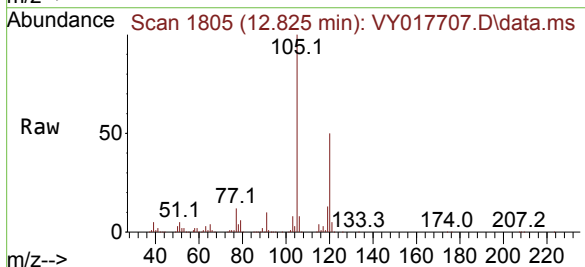
Acq: 19 Mar 2024 12:58

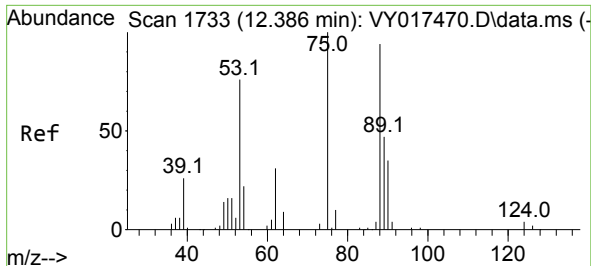
Tgt Ion:105 Resp: 110986

Ion Ratio Lower Upper

105 100

120 51.0 25.1 75.2

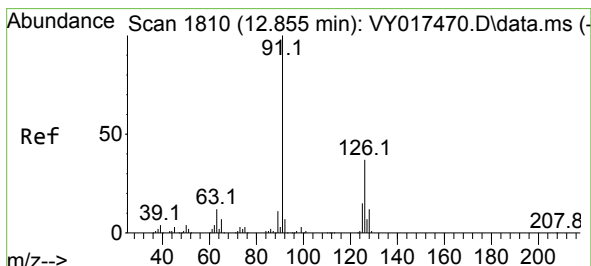
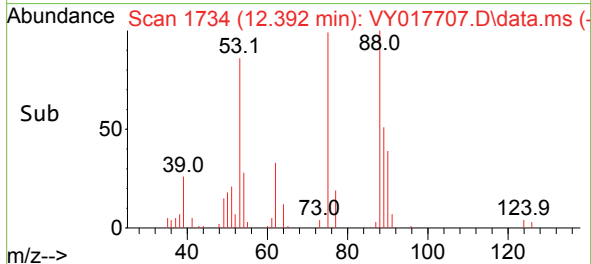
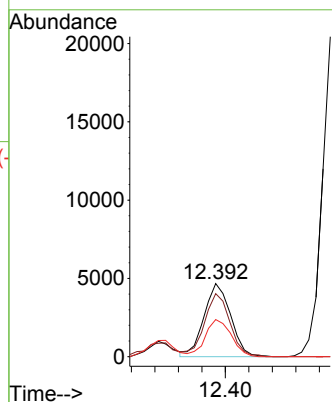
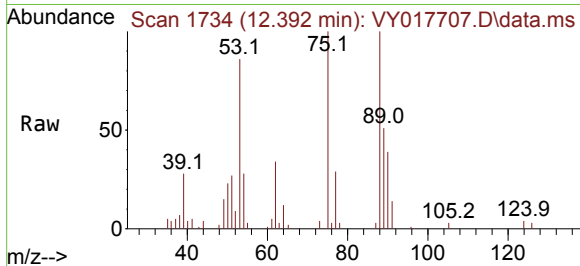




#81  
trans-1,4-Dichloro-2-butene  
Concen: 17.616 ug/l  
RT: 12.392 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY017707.D  
Acq: 19 Mar 2024 12:58

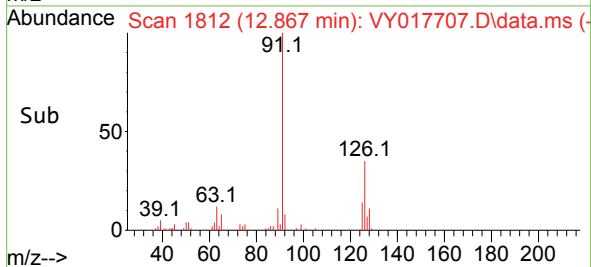
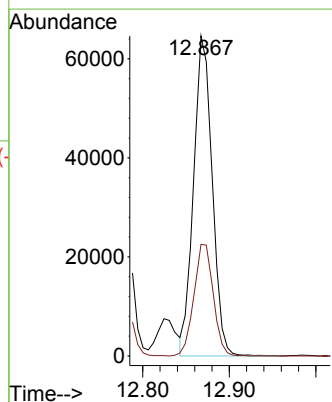
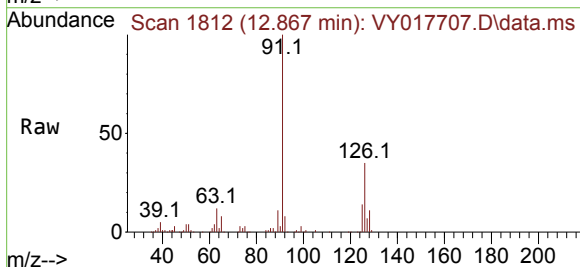
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0319SBS01

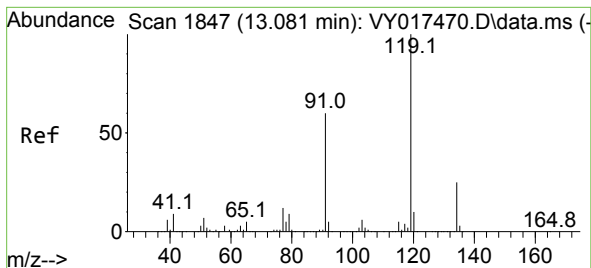
Tgt Ion: 75 Resp: 7348  
Ion Ratio Lower Upper  
75 100  
53 83.2 66.8 100.2  
89 49.2 35.8 53.6



#82  
4-Chlorotoluene  
Concen: 18.739 ug/l  
RT: 12.867 min Scan# 1812  
Delta R.T. 0.012 min  
Lab File: VY017707.D  
Acq: 19 Mar 2024 12:58

Tgt Ion: 91 Resp: 96496  
Ion Ratio Lower Upper  
91 100  
126 36.3 17.6 52.9





#83

tert-Butylbenzene

Concen: 18.473 ug/l

RT: 13.087 min Scan# 1847

Delta R.T. 0.006 min

Lab File: VY017707.D

Acq: 19 Mar 2024 12:58

Instrument :

MSVOA\_Y

ClientSampleId :

VY0319SBSD01

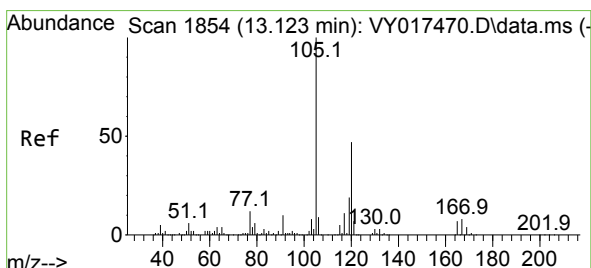
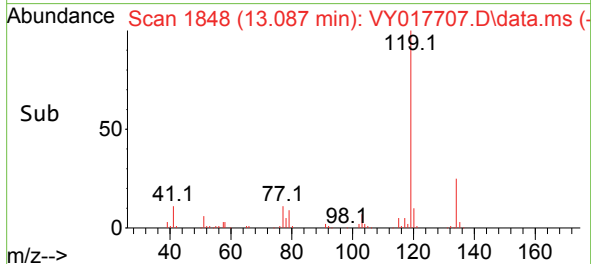
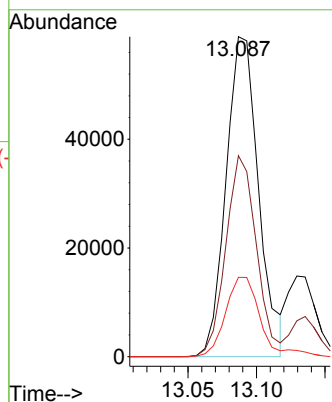
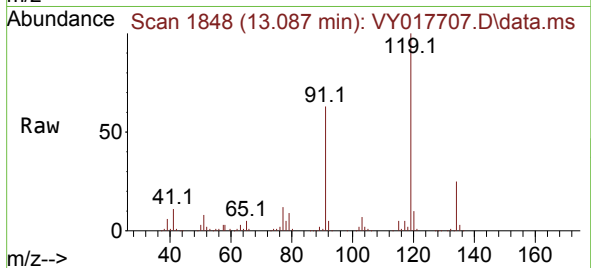
Tgt Ion:119 Resp: 97393

Ion Ratio Lower Upper

119 100

91 59.3 31.3 93.8

134 26.6 13.4 40.1



#84

1,2,4-Trimethylbenzene

Concen: 18.898 ug/l

RT: 13.136 min Scan# 1856

Delta R.T. 0.012 min

Lab File: VY017707.D

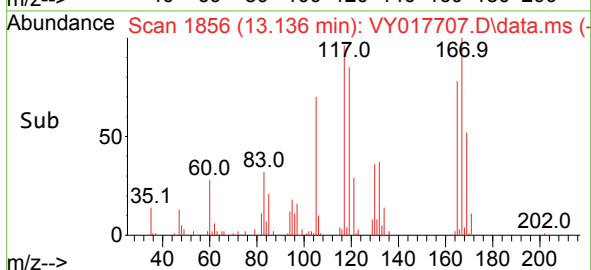
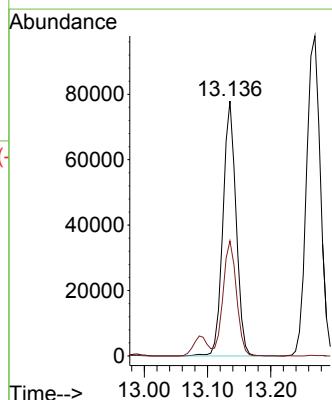
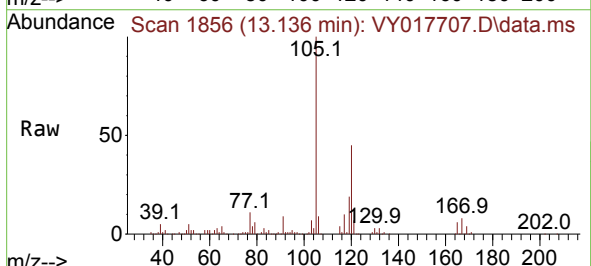
Acq: 19 Mar 2024 12:58

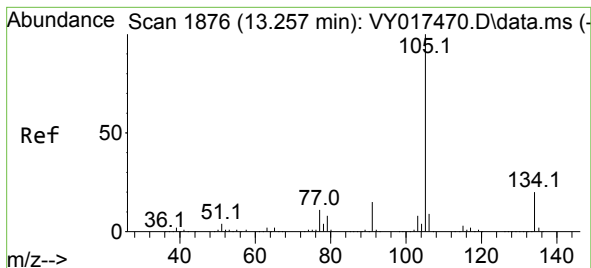
Tgt Ion:105 Resp: 112013

Ion Ratio Lower Upper

105 100

120 46.3 23.2 69.6





#85

sec-Butylbenzene

Concen: 18.395 ug/l

RT: 13.270 min Scan# 1876

Delta R.T. 0.012 min

Lab File: VY017707.D

Acq: 19 Mar 2024 12:58

Instrument :

MSVOA\_Y

ClientSampleId :

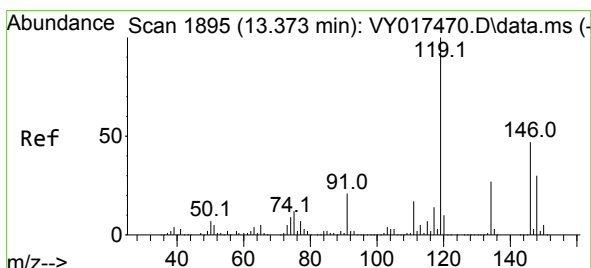
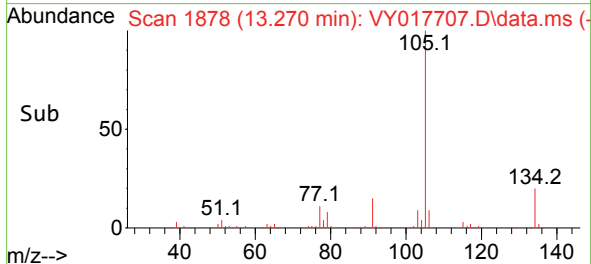
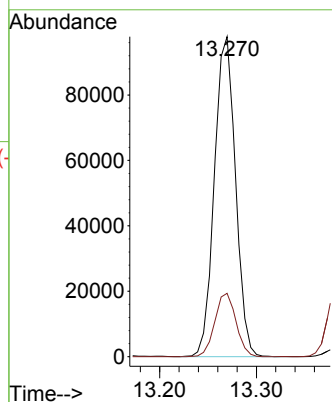
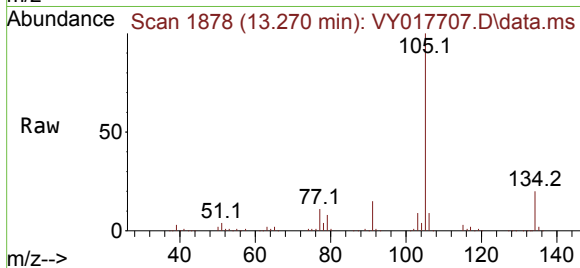
VY0319SBSD01

Tgt Ion:105 Resp: 148274

Ion Ratio Lower Upper

105 100

134 19.8 10.1 30.1



#86

p-Isopropyltoluene

Concen: 18.373 ug/l

RT: 13.386 min Scan# 1897

Delta R.T. 0.012 min

Lab File: VY017707.D

Acq: 19 Mar 2024 12:58

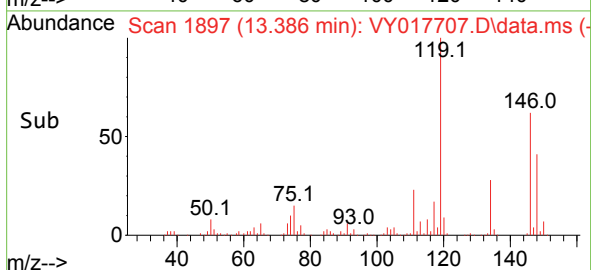
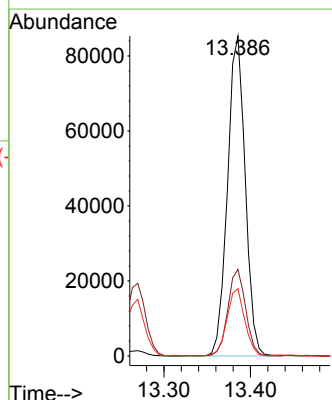
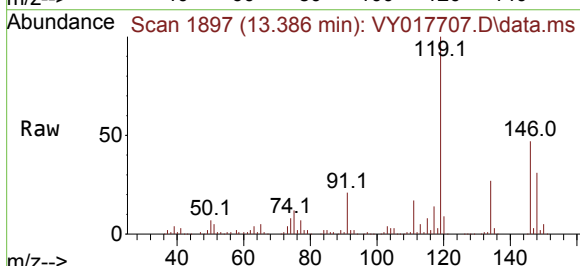
Tgt Ion:119 Resp: 121234

Ion Ratio Lower Upper

119 100

134 27.1 13.1 39.3

91 21.1 10.7 32.1

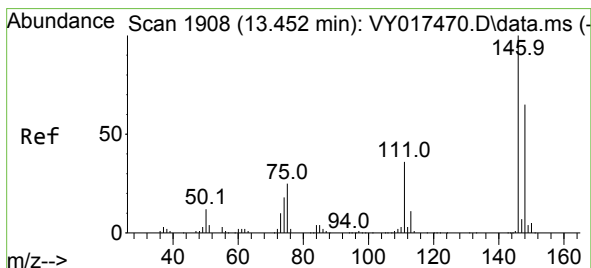
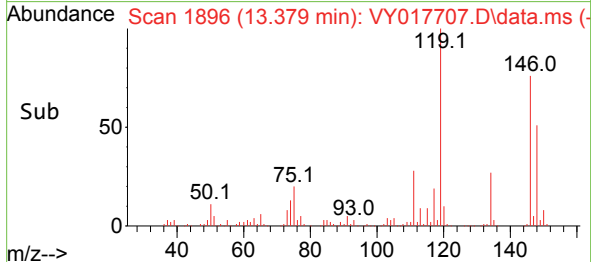
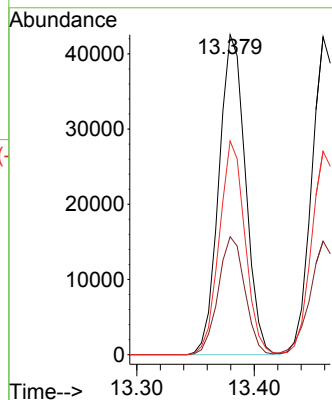
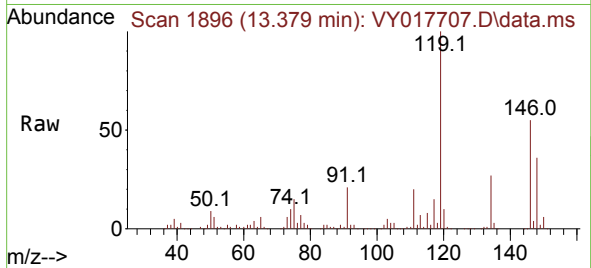




#87  
 1,3-Dichlorobenzene  
 Concen: 18.338 ug/l  
 RT: 13.379 min Scan# 11  
 Delta R.T. 0.006 min  
 Lab File: VY017707.D  
 Acq: 19 Mar 2024 12:58

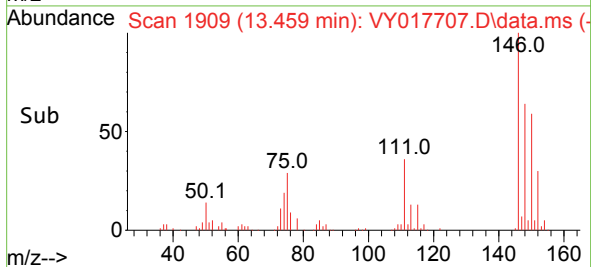
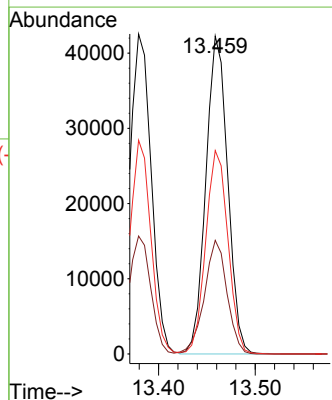
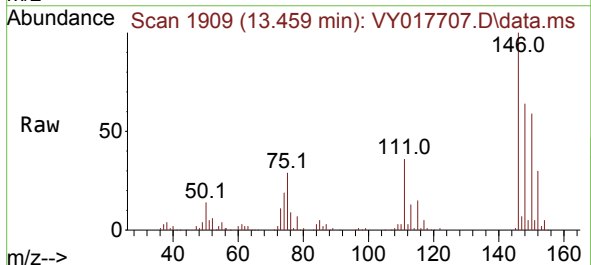
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0319SBS01

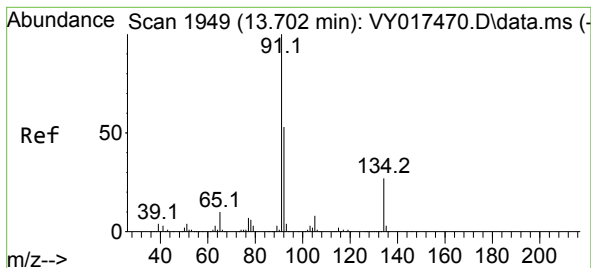
Tgt Ion:146 Resp: 66802  
 Ion Ratio Lower Upper  
 146 100  
 111 36.9 19.0 57.0  
 148 64.8 31.7 95.1



#88  
 1,4-Dichlorobenzene  
 Concen: 18.765 ug/l  
 RT: 13.459 min Scan# 1909  
 Delta R.T. 0.006 min  
 Lab File: VY017707.D  
 Acq: 19 Mar 2024 12:58

Tgt Ion:146 Resp: 66457  
 Ion Ratio Lower Upper  
 146 100  
 111 37.1 18.4 55.4  
 148 65.3 32.4 97.2





#89

n-Butylbenzene

Concen: 18.177 ug/l

RT: 13.709 min Scan# 1949

Delta R.T. 0.006 min

Lab File: VY017707.D

Acq: 19 Mar 2024 12:58

Instrument :

MSVOA\_Y

ClientSampleId :

VY0319SBS01

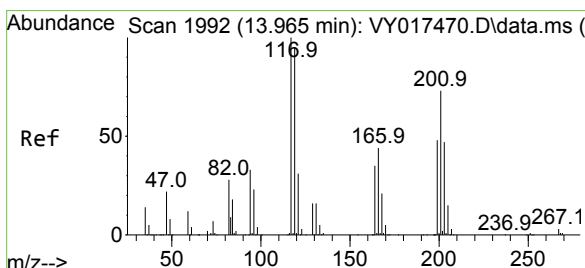
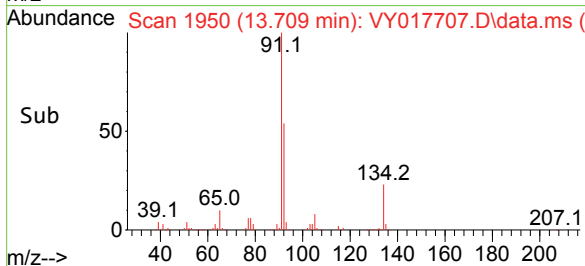
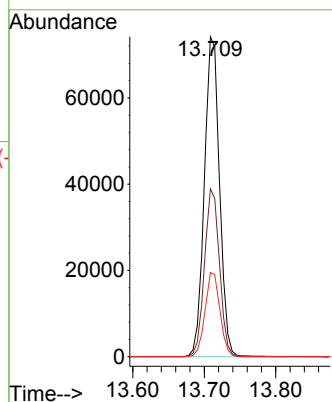
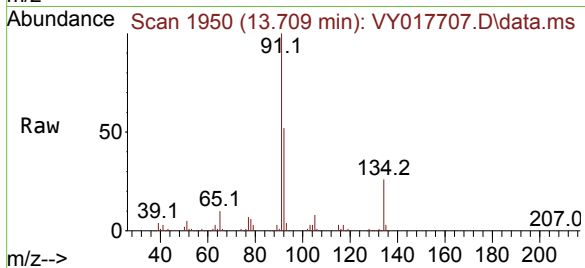
Tgt Ion: 91 Resp: 109427

Ion Ratio Lower Upper

91 100

92 51.7 26.6 79.7

134 25.9 12.9 38.7



#90

Hexachloroethane

Concen: 18.910 ug/l

RT: 13.977 min Scan# 1994

Delta R.T. 0.012 min

Lab File: VY017707.D

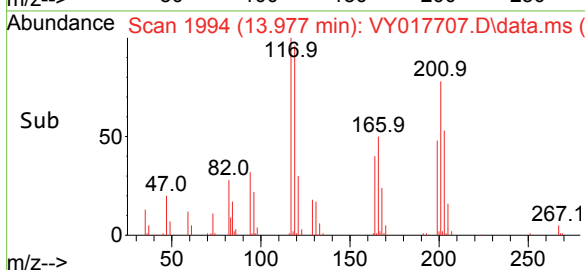
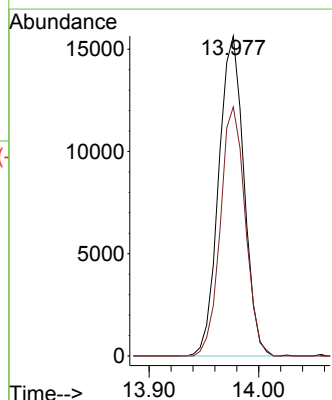
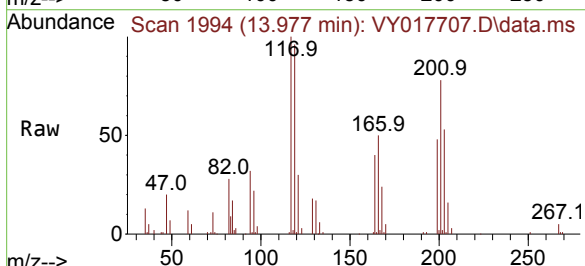
Acq: 19 Mar 2024 12:58

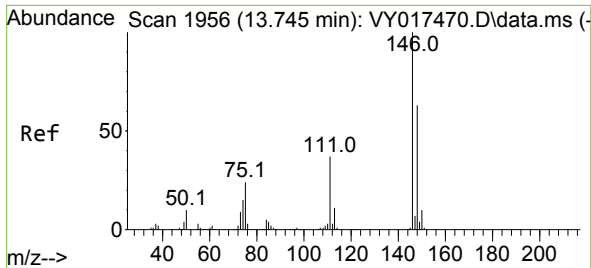
Tgt Ion: 117 Resp: 25015

Ion Ratio Lower Upper

117 100

201 76.7 37.4 112.2

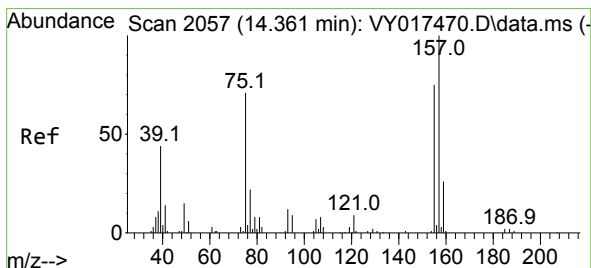
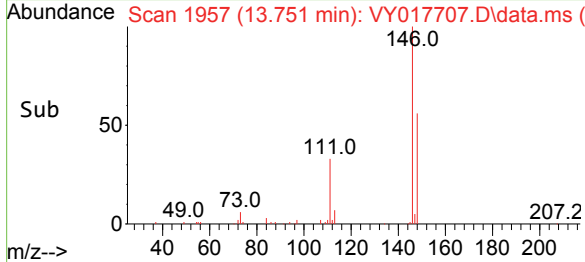
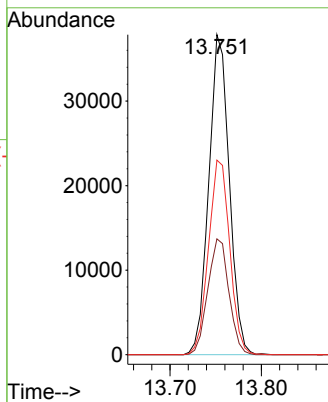
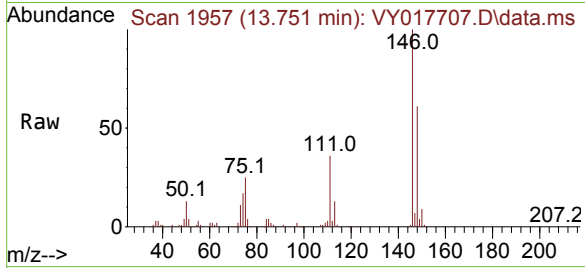




#91  
1,2-Dichlorobenzene  
Concen: 19.192 ug/l  
RT: 13.751 min Scan# 1956  
Delta R.T. 0.006 min  
Lab File: VY017707.D  
Acq: 19 Mar 2024 12:58

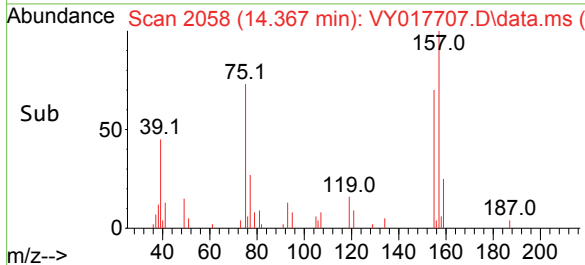
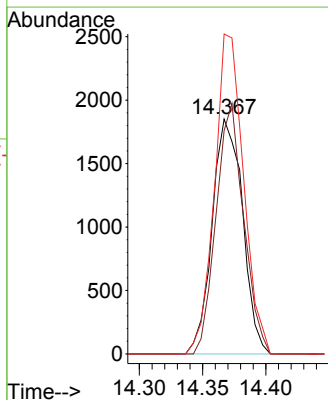
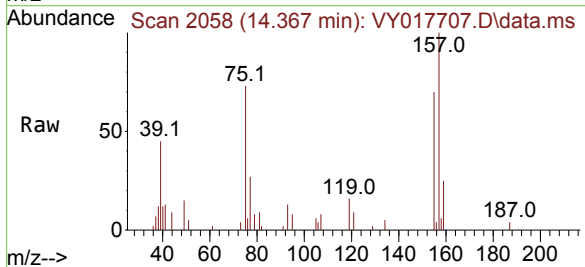
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0319SBS01

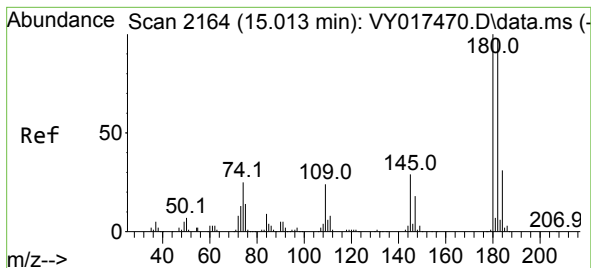
Tgt Ion:146 Resp: 59136  
Ion Ratio Lower Upper  
146 100  
111 37.3 19.9 59.7  
148 63.1 31.8 95.4



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 17.058 ug/l  
RT: 14.367 min Scan# 2058  
Delta R.T. 0.006 min  
Lab File: VY017707.D  
Acq: 19 Mar 2024 12:58

Tgt Ion: 75 Resp: 3086  
Ion Ratio Lower Upper  
75 100  
155 96.6 48.6 145.8  
157 130.4 62.7 188.2





#93

1,2,4-Trichlorobenzene

Concen: 18.437 ug/l

RT: 15.019 min Scan# 2165

Delta R.T. 0.006 min

Lab File: VY017707.D

Acq: 19 Mar 2024 12:58

Instrument :

MSVOA\_Y

ClientSampleId :

VY0319SBS01

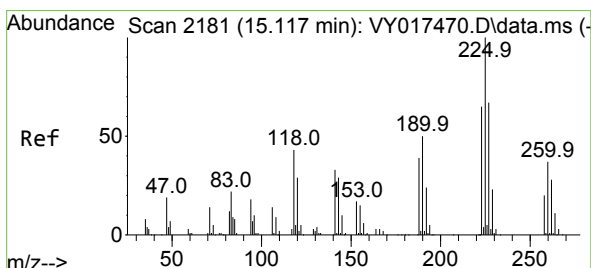
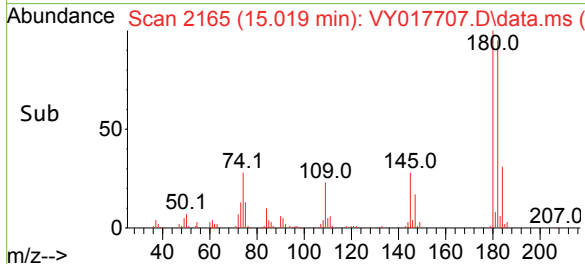
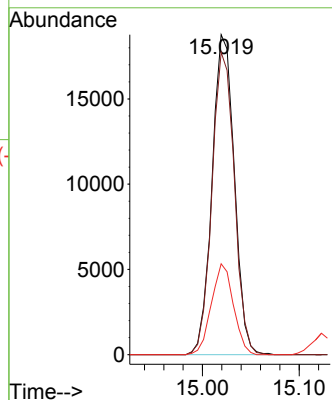
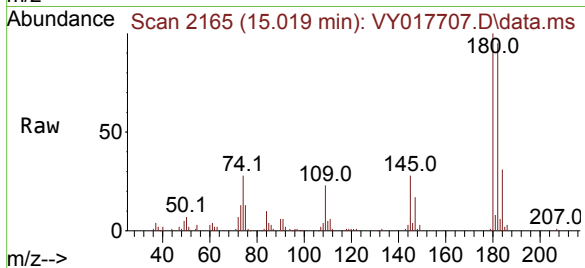
Tgt Ion:180 Resp: 30007

Ion Ratio Lower Upper

180 100

182 94.9 47.9 143.8

145 28.1 14.2 42.6



#94

Hexachlorobutadiene

Concen: 18.859 ug/l

RT: 15.123 min Scan# 2182

Delta R.T. 0.006 min

Lab File: VY017707.D

Acq: 19 Mar 2024 12:58

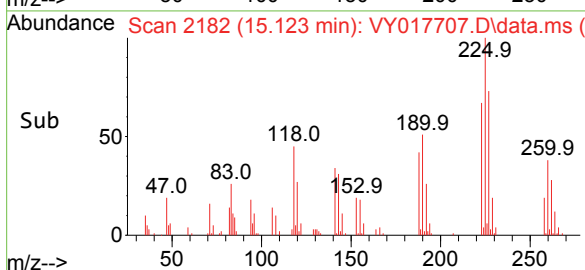
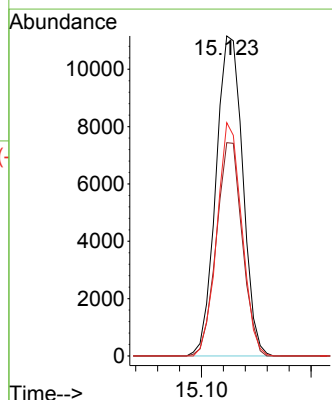
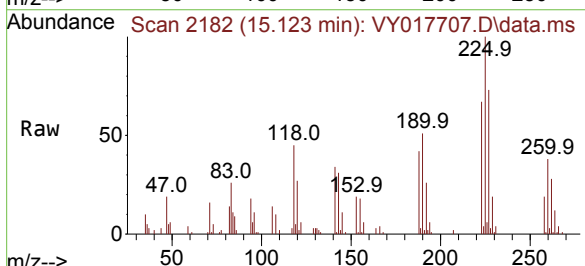
Tgt Ion:225 Resp: 18950

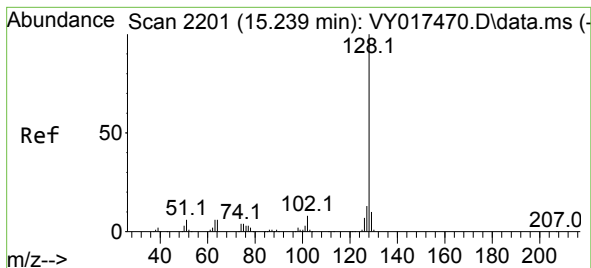
Ion Ratio Lower Upper

225 100

223 64.5 30.4 91.2

227 67.6 31.9 95.9





#95

Naphthalene

Concen: 17.155 ug/l

RT: 15.251 min Scan# 2201

Delta R.T. 0.012 min

Lab File: VY017707.D

Acq: 19 Mar 2024 12:58

Instrument :

MSVOA\_Y

ClientSampleId :

VY0319SBS01

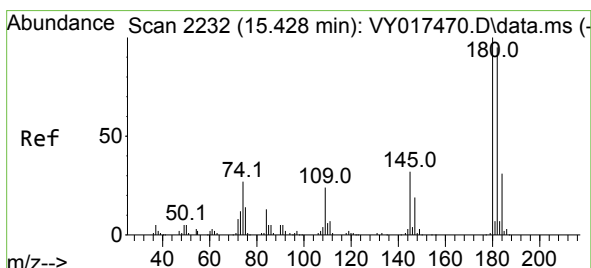
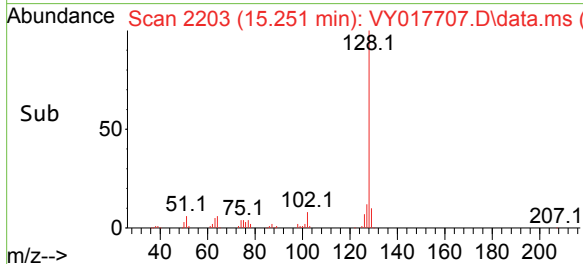
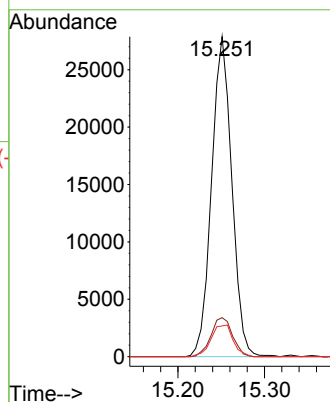
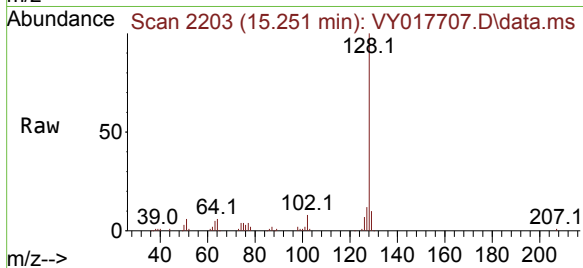
Tgt Ion:128 Resp: 45302

Ion Ratio Lower Upper

128 100

127 12.9 10.6 16.0

129 10.9 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 17.819 ug/l

RT: 15.440 min Scan# 2234

Delta R.T. 0.012 min

Lab File: VY017707.D

Acq: 19 Mar 2024 12:58

Tgt Ion:180 Resp: 24879

Ion Ratio Lower Upper

180 100

182 95.5 47.6 142.9

145 30.0 15.4 46.1

