

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY110323\  
 Data File : VY016219.D  
 Acq On : 03 Nov 2023 18:47  
 Operator : SY/MD  
 Sample : VY1103SBS02  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Nov 03 23:06:03 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y103123S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 01 03:33:29 2023  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|------------------------------|--------|-------|----------|----------|------------|----------|
| -----                        |        |       |          |          |            |          |
| Internal Standards           |        |       |          |          |            |          |
| 1) Pentafluorobenzene        | 7.807  | 168   | 159741   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.703  | 114   | 260165   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5         | 11.501 | 117   | 226827   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.434 | 152   | 107139   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds  |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4    | 8.154  | 65    | 80650    | 53.956   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 50 - 163 | Recovery | = 107.920% |          |
| 35) Dibromofluoromethane     | 7.734  | 113   | 77720    | 50.109   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 54 - 147 | Recovery | = 100.220% |          |
| 50) Toluene-d8               | 10.191 | 98    | 312373   | 50.796   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 58 - 134 | Recovery | = 101.600% |          |
| 62) 4-Bromofluorobenzene     | 12.489 | 95    | 104208   | 49.557   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 30 - 143 | Recovery | = 99.120%  |          |
| Target Compounds             |        |       |          |          |            | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.912  | 85    | 18996    | 18.642   | ug/l       | 95       |
| 3) Chloromethane             | 2.119  | 50    | 24899    | 17.649   | ug/l       | 100      |
| 4) Vinyl Chloride            | 2.259  | 62    | 28375    | 19.487   | ug/l       | 94       |
| 5) Bromomethane              | 2.655  | 94    | 19819    | 20.168   | ug/l       | 93       |
| 6) Chloroethane              | 2.802  | 64    | 20041    | 19.550   | ug/l       | 92       |
| 7) Trichlorofluoromethane    | 3.137  | 101   | 46108    | 20.975   | ug/l       | 99       |
| 8) Diethyl Ether             | 3.539  | 74    | 16114    | 22.117   | ug/l       | 84       |
| 9) 1,1,2-Trichlorotrifluo... | 3.917  | 101   | 28945    | 20.901   | ug/l       | 96       |
| 10) Methyl Iodide            | 4.106  | 142   | 29957    | 19.453   | ug/l       | 97       |
| 11) Tert butyl alcohol       | 4.972  | 59    | 14300    | 128.044  | ug/l #     | 79       |
| 12) 1,1-Dichloroethene       | 3.887  | 96    | 25178    | 19.919   | ug/l       | 92       |
| 13) Acrolein                 | 3.747  | 56    | 11332    | 105.582  | ug/l       | 97       |
| 14) Allyl chloride           | 4.503  | 41    | 40245    | 22.260   | ug/l       | 96       |
| 15) Acrylonitrile            | 5.185  | 53    | 37038    | 118.966  | ug/l       | 97       |
| 16) Acetone                  | 3.966  | 43    | 26918    | 101.478  | ug/l       | 91       |
| 17) Carbon Disulfide         | 4.210  | 76    | 57315    | 18.162   | ug/l       | 100      |
| 18) Methyl Acetate           | 4.497  | 43    | 31041    | 25.823   | ug/l       | 93       |
| 19) Methyl tert-butyl Ether  | 5.240  | 73    | 81491    | 22.665   | ug/l       | 99       |
| 20) Methylene Chloride       | 4.734  | 84    | 35856    | 21.871   | ug/l       | 88       |
| 21) trans-1,2-Dichloroethene | 5.240  | 96    | 29849    | 20.273   | ug/l       | 98       |
| 22) Diisopropyl ether        | 6.143  | 45    | 97337    | 22.259   | ug/l       | 88       |
| 23) Vinyl Acetate            | 6.082  | 43    | 232107   | 108.104  | ug/l #     | 94       |
| 24) 1,1-Dichloroethane       | 6.039  | 63    | 56243    | 21.490   | ug/l #     | 96       |
| 25) 2-Butanone               | 7.002  | 43    | 45686    | 110.784  | ug/l       | 95       |
| 26) 2,2-Dichloropropane      | 6.996  | 77    | 51089    | 20.650   | ug/l       | 97       |
| 27) cis-1,2-Dichloroethene   | 7.008  | 96    | 37286    | 21.519   | ug/l       | 92       |
| 28) Bromochloromethane       | 7.356  | 49    | 20737    | 21.174   | ug/l       | 89       |
| 29) Tetrahydrofuran          | 7.368  | 42    | 30216    | 116.886  | ug/l       | 90       |
| 30) Chloroform               | 7.520  | 83    | 65332    | 22.928   | ug/l       | 98       |
| 31) Cyclohexane              | 7.801  | 56    | 45466    | 19.787   | ug/l       | 89       |
| 32) 1,1,1-Trichloroethane    | 7.722  | 97    | 54940    | 21.024   | ug/l       | 98       |
| 36) 1,1-Dichloropropene      | 7.935  | 75    | 45278    | 20.216   | ug/l       | 98       |
| 37) Ethyl Acetate            | 7.094  | 43    | 22694    | 22.750   | ug/l       | 98       |
| 38) Carbon Tetrachloride     | 7.917  | 117   | 47904    | 21.589   | ug/l       | 99       |
| 39) Methylcyclohexane        | 9.197  | 83    | 51337    | 19.203   | ug/l       | 93       |
| 40) Benzene                  | 8.179  | 78    | 129437   | 20.131   | ug/l       | 98       |

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Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Nov 03 23:06:03 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y103123S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 01 03:33:29 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.325  | 41   | 9475     | 16.364  | ug/l # | 82       |
| 42) 1,2-Dichloroethane        | 8.252  | 62   | 37828    | 21.082  | ug/l   | 91       |
| 43) Isopropyl Acetate         | 8.289  | 43   | 43123    | 21.854  | ug/l # | 92       |
| 44) Trichloroethene           | 8.953  | 130  | 38422    | 20.419  | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 9.234  | 63   | 33087    | 21.391  | ug/l   | 100      |
| 46) Dibromomethane            | 9.319  | 93   | 18728    | 21.344  | ug/l   | 97       |
| 47) Bromodichloromethane      | 9.508  | 83   | 49736    | 22.309  | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.307  | 41   | 19056    | 21.238  | ug/l   | 89       |
| 49) 1,4-Dioxane               | 9.313  | 88   | 4539     | 360.606 | ug/l # | 57       |
| 51) 4-Methyl-2-Pentanone      | 10.081 | 43   | 112549   | 114.314 | ug/l   | 93       |
| 52) Toluene                   | 10.258 | 92   | 86767    | 20.825  | ug/l   | 94       |
| 53) t-1,3-Dichloropropene     | 10.477 | 75   | 47927    | 21.535  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 9.941  | 75   | 54898    | 21.022  | ug/l   | 91       |
| 55) 1,1,2-Trichloroethane     | 10.654 | 97   | 27138    | 21.987  | ug/l   | 94       |
| 56) Ethyl methacrylate        | 10.520 | 69   | 34577    | 21.571  | ug/l # | 88       |
| 57) 1,3-Dichloropropane       | 10.800 | 76   | 45006    | 21.419  | ug/l   | 97       |
| 58) 2-Chloroethyl Vinyl ether | 9.794  | 63   | 84524    | 108.745 | ug/l   | 93       |
| 59) 2-Hexanone                | 10.843 | 43   | 77130    | 114.321 | ug/l   | 91       |
| 60) Dibromochloromethane      | 10.995 | 129  | 34013    | 21.966  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.099 | 107  | 25330    | 21.576  | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.733 | 164  | 39406    | 19.531  | ug/l   | 98       |
| 65) Chlorobenzene             | 11.526 | 112  | 93109    | 20.661  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.599 | 131  | 35248    | 21.117  | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.605 | 91   | 164490   | 20.407  | ug/l   | 97       |
| 68) m/p-Xylenes               | 11.715 | 106  | 126255   | 40.535  | ug/l   | 95       |
| 69) o-Xylene                  | 12.038 | 106  | 59653    | 20.059  | ug/l   | 99       |
| 70) Styrene                   | 12.056 | 104  | 102717   | 20.777  | ug/l   | 96       |
| 71) Bromoform                 | 12.221 | 173  | 20318    | 21.942  | ug/l # | 100      |
| 73) Isopropylbenzene          | 12.337 | 105  | 161685   | 20.118  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.154 | 43   | 36051    | 20.643  | ug/l # | 90       |
| 75) 1,1,2,2-Tetrachloroethane | 12.593 | 83   | 28435    | 22.235  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.641 | 75   | 38363    | 38.023  | ug/l # | 100      |
| 77) Bromobenzene              | 12.617 | 156  | 38050    | 20.909  | ug/l   | 96       |
| 78) n-propylbenzene           | 12.678 | 91   | 194693   | 20.491  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 12.763 | 91   | 108584   | 20.490  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 12.824 | 105  | 131376   | 20.177  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-b... | 12.392 | 75   | 9800     | 21.060  | ug/l   | 96       |
| 82) 4-Chlorotoluene           | 12.861 | 91   | 111942   | 20.571  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 13.087 | 119  | 121224   | 20.808  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 13.129 | 105  | 131566   | 20.421  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.263 | 105  | 175935   | 20.575  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.379 | 119  | 145542   | 20.537  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.373 | 146  | 74585    | 20.724  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.452 | 146  | 73832    | 20.756  | ug/l   | 97       |
| 89) n-Butylbenzene            | 13.702 | 91   | 133920   | 20.566  | ug/l   | 96       |
| 90) Hexachloroethane          | 13.970 | 117  | 27168    | 22.246  | ug/l   | 91       |
| 91) 1,2-Dichlorobenzene       | 13.745 | 146  | 65829    | 21.170  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.361 | 75   | 4893     | 21.379  | ug/l   | 99       |
| 93) 1,2,4-Trichlorobenzene    | 15.013 | 180  | 37585    | 19.583  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 15.117 | 225  | 22268    | 21.232  | ug/l   | 98       |
| 95) Naphthalene               | 15.245 | 128  | 70420    | 18.886  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.434 | 180  | 32460    | 19.798  | ug/l   | 98       |

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ALS Vial : 24 Sample Multiplier: 1

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Quant Title : SW846 8260  
QLast Update : Wed Nov 01 03:33:29 2023  
Response via : Initial Calibration

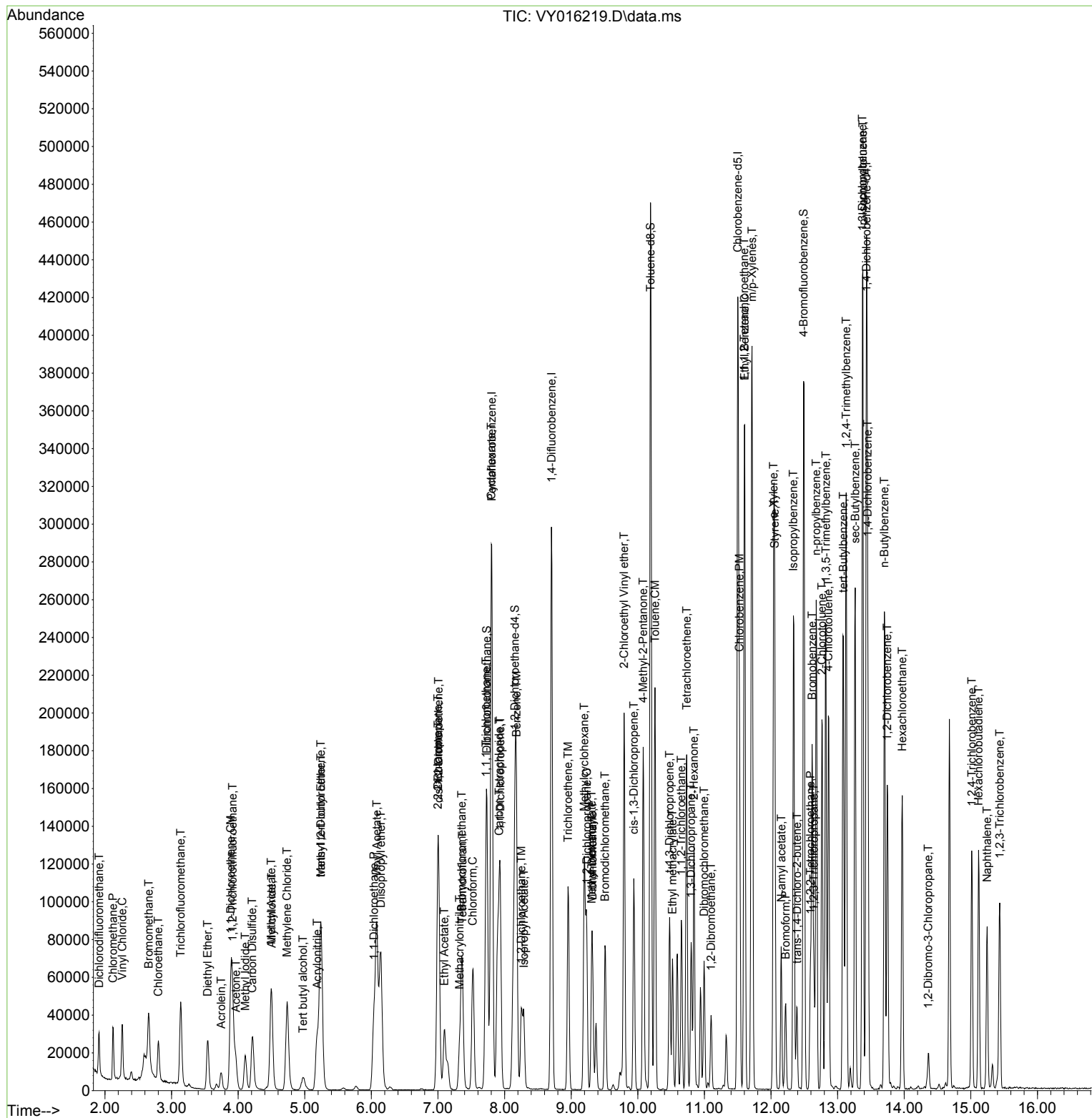
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

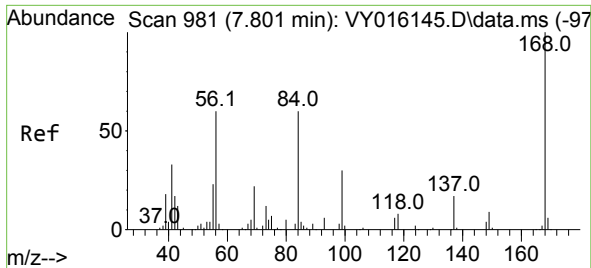
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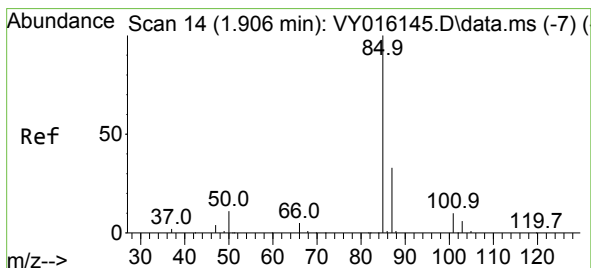
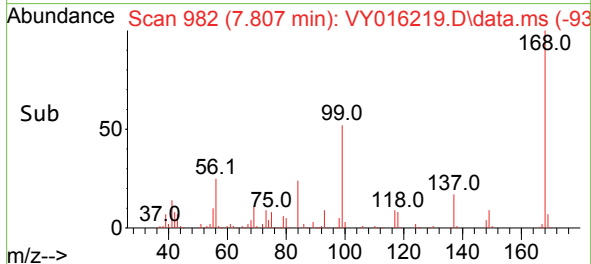
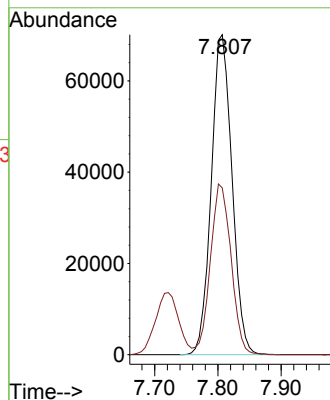
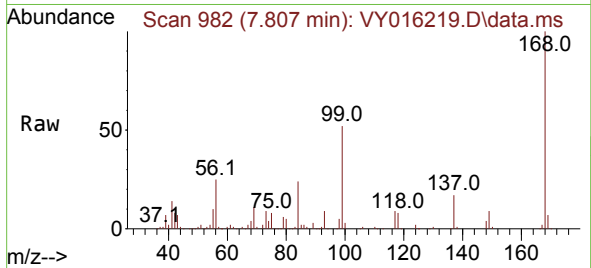




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.807 min Scan# 99  
Delta R.T. 0.006 min  
Lab File: VY016219.D  
Acq: 03 Nov 2023 18:47

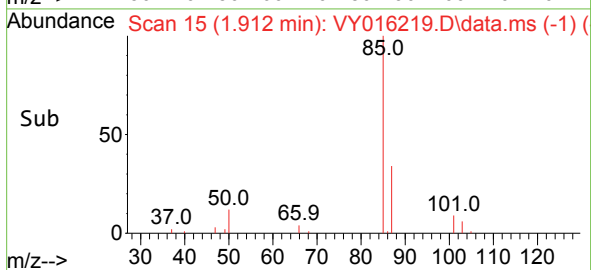
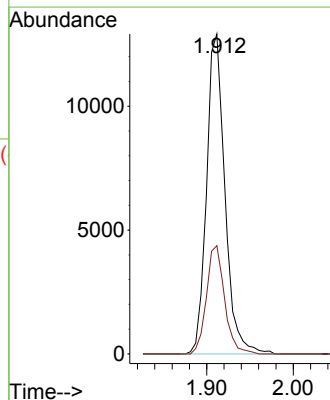
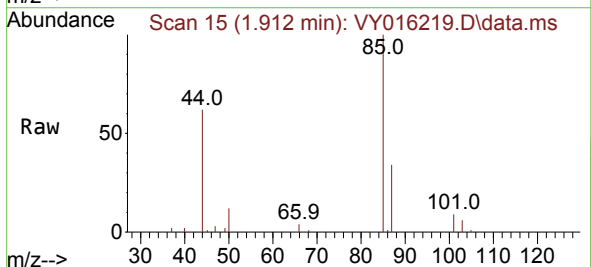
Instrument :  
MSVOA\_Y  
ClientSampleId :

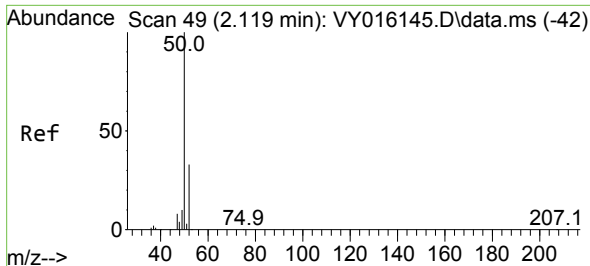
Tgt Ion:168 Resp: 159741  
Ion Ratio Lower Upper  
168 100  
99 52.1 43.4 65.0



#2  
Dichlorodifluoromethane  
Concen: 18.642 ug/l  
RT: 1.912 min Scan# 15  
Delta R.T. 0.006 min  
Lab File: VY016219.D  
Acq: 03 Nov 2023 18:47

Tgt Ion: 85 Resp: 18996  
Ion Ratio Lower Upper  
85 100  
87 33.8 15.6 46.8

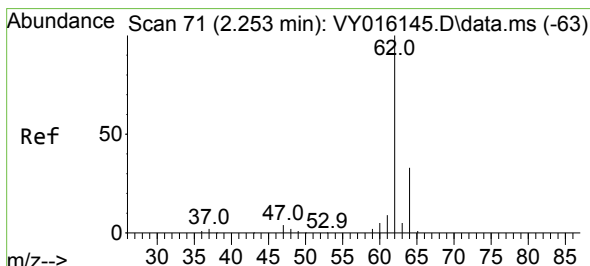
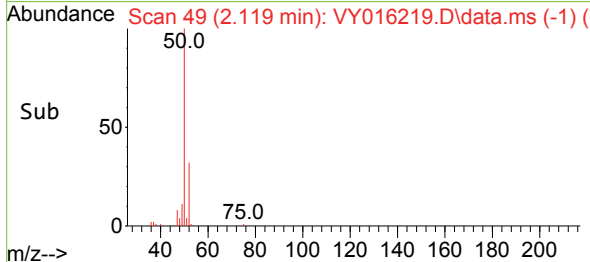
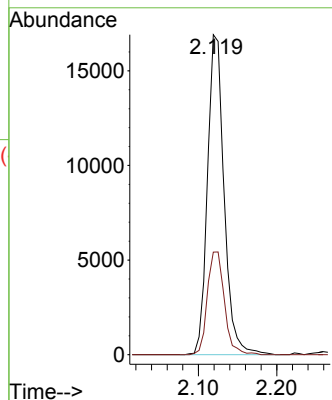
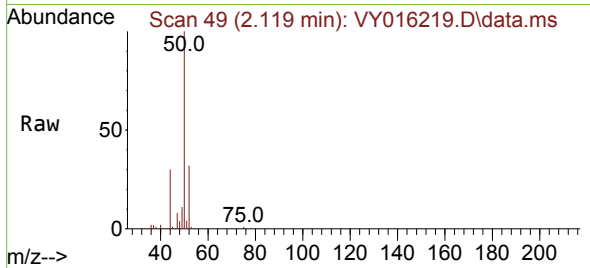




#3  
Chloromethane  
Concen: 17.649 ug/l  
RT: 2.119 min Scan# 49  
Delta R.T. -0.000 min  
Lab File: VY016219.D  
Acq: 03 Nov 2023 18:47

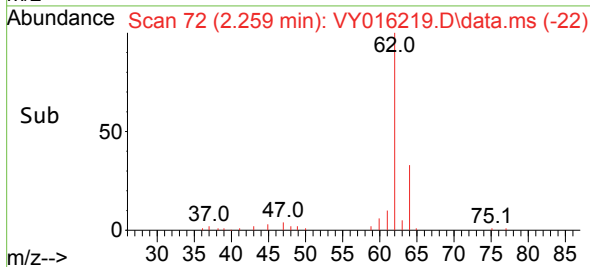
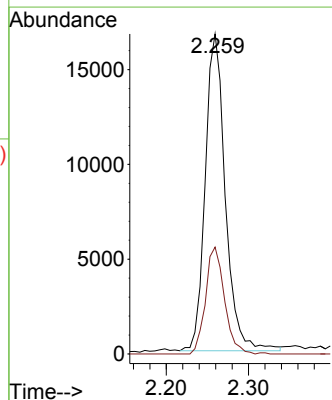
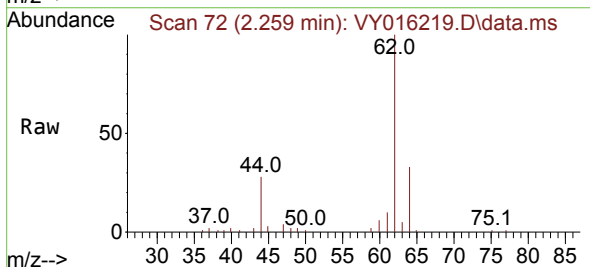
Instrument :  
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ClientSampleId :

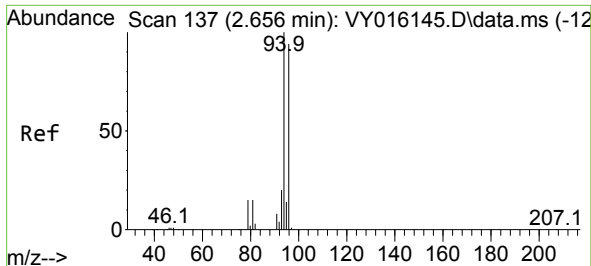
Tgt Ion: 50 Resp: 24899  
Ion Ratio Lower Upper  
50 100  
52 32.1 25.4 38.2



#4  
Vinyl Chloride  
Concen: 19.487 ug/l  
RT: 2.259 min Scan# 72  
Delta R.T. 0.006 min  
Lab File: VY016219.D  
Acq: 03 Nov 2023 18:47

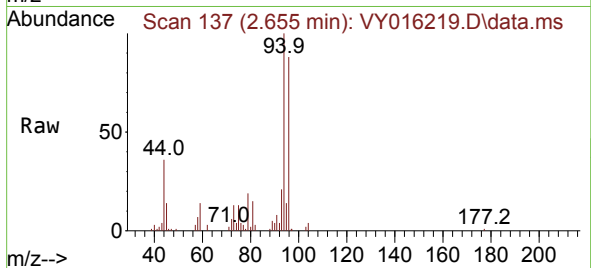
Tgt Ion: 62 Resp: 28375  
Ion Ratio Lower Upper  
62 100  
64 33.7 24.3 36.5



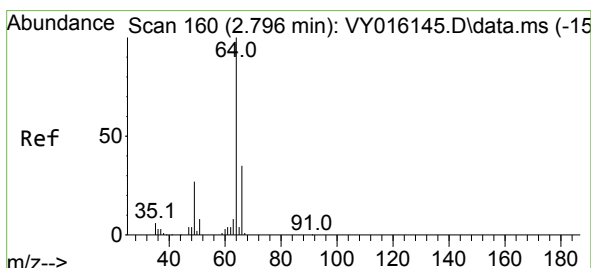
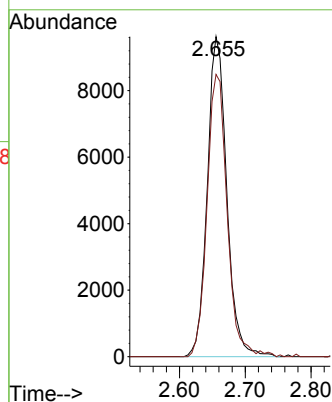
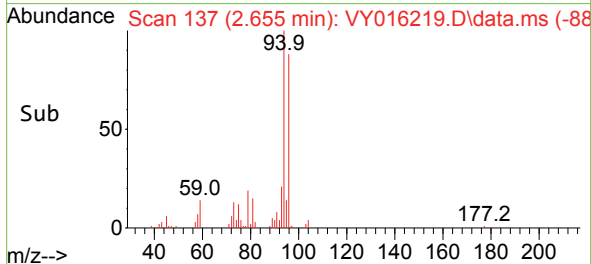


#5  
Bromomethane  
Concen: 20.168 ug/l  
RT: 2.655 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY016219.D  
Acq: 03 Nov 2023 18:47

Instrument :  
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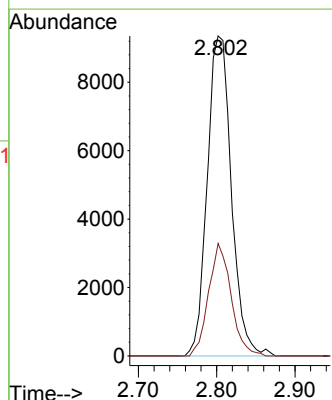
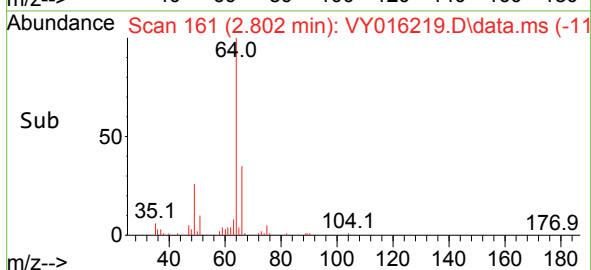
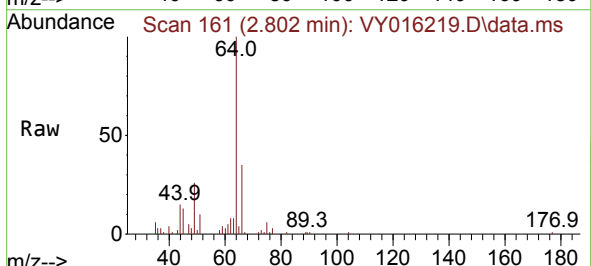


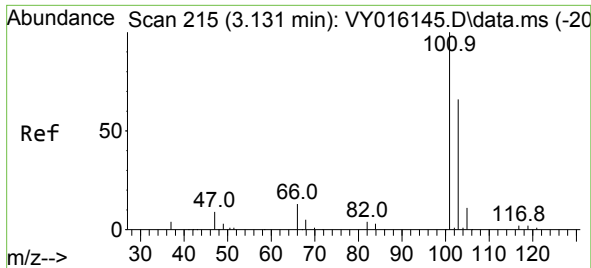
Tgt Ion: 94 Resp: 19819  
Ion Ratio Lower Upper  
94 100  
96 88.2 75.8 113.6



#6  
Chloroethane  
Concen: 19.550 ug/l  
RT: 2.802 min Scan# 161  
Delta R.T. 0.006 min  
Lab File: VY016219.D  
Acq: 03 Nov 2023 18:47

Tgt Ion: 64 Resp: 20041  
Ion Ratio Lower Upper  
64 100  
66 35.1 24.4 36.6

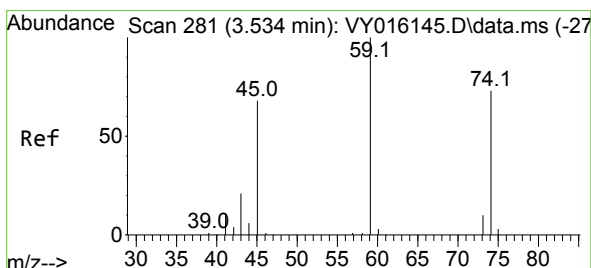
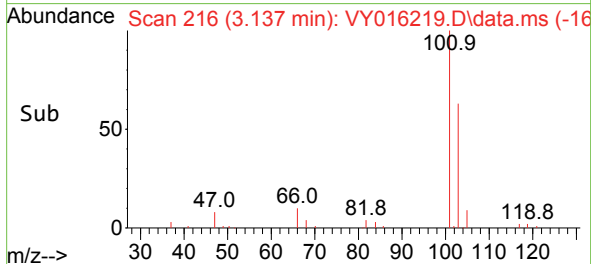
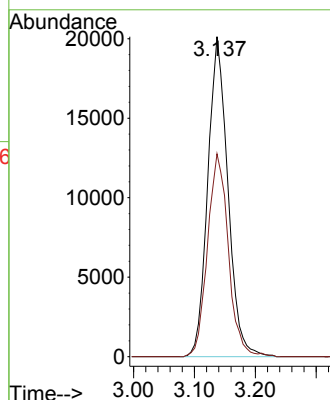
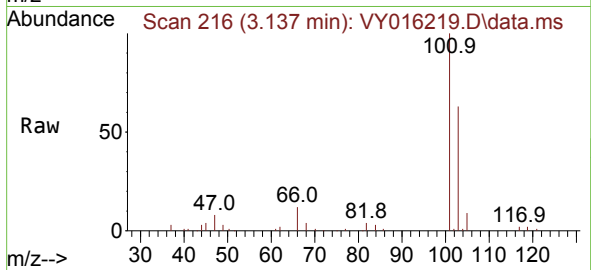




#7  
 Trichlorofluoromethane  
 Concen: 20.975 ug/l  
 RT: 3.137 min Scan# 215  
 Delta R.T. 0.006 min  
 Lab File: VY016219.D  
 Acq: 03 Nov 2023 18:47

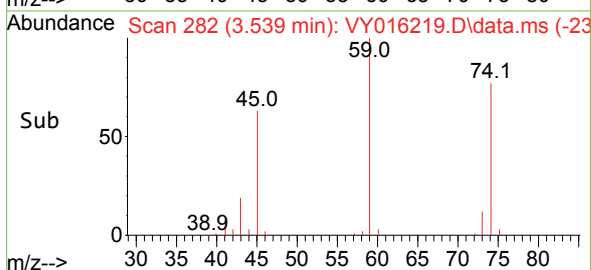
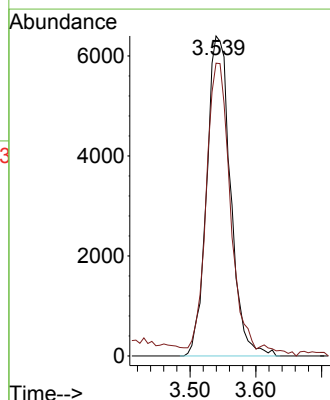
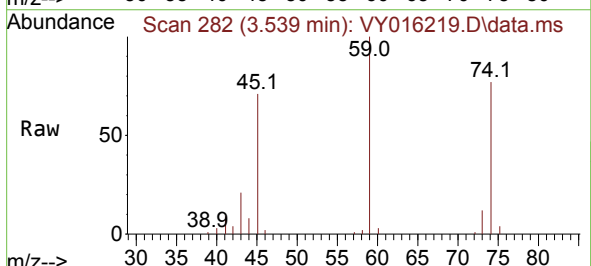
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Tgt Ion:101 Resp: 46108  
 Ion Ratio Lower Upper  
 101 100  
 103 63.4 51.4 77.0

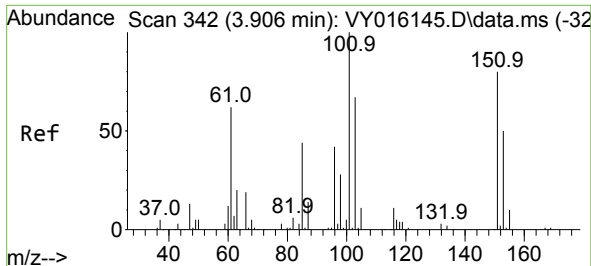


#8  
 Diethyl Ether  
 Concen: 22.117 ug/l  
 RT: 3.539 min Scan# 282  
 Delta R.T. 0.006 min  
 Lab File: VY016219.D  
 Acq: 03 Nov 2023 18:47

Tgt Ion: 74 Resp: 16114  
 Ion Ratio Lower Upper  
 74 100  
 45 86.8 51.5 154.5



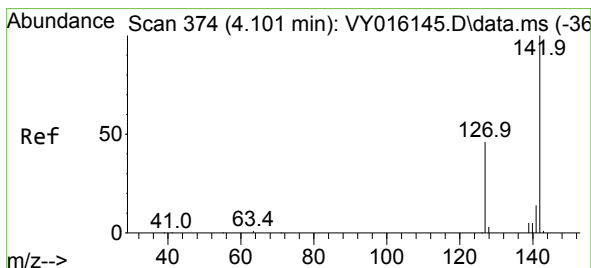
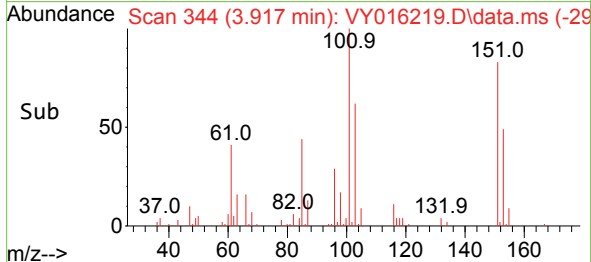
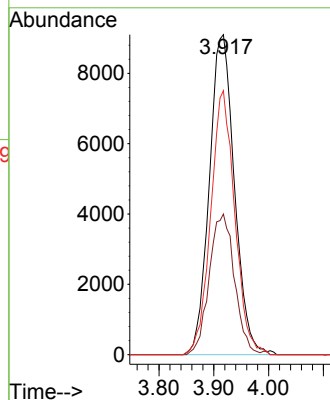
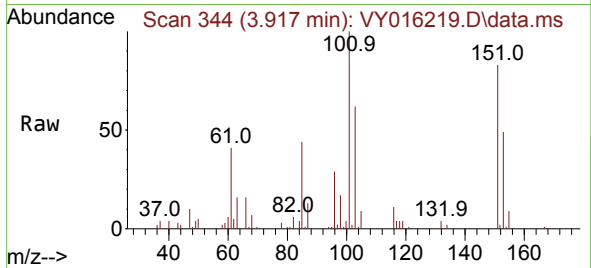




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 20.901 ug/l  
RT: 3.917 min Scan# 34  
Delta R.T. 0.012 min  
Lab File: VY016219.D  
Acq: 03 Nov 2023 18:47

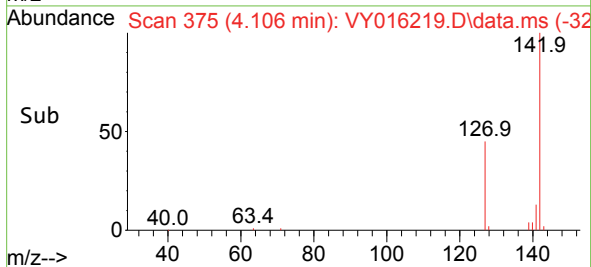
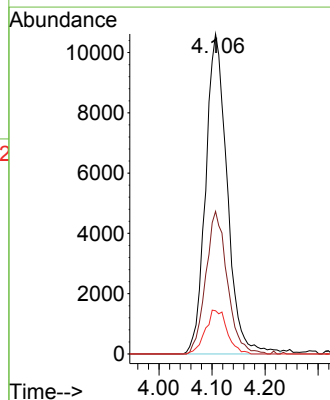
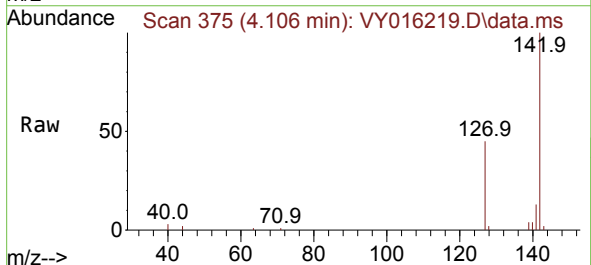
Instrument :  
MSVOA\_Y  
ClientSampleId :

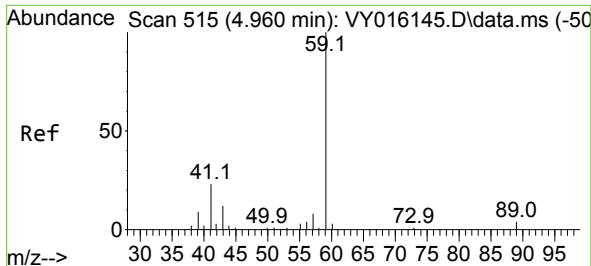
Tgt Ion:101 Resp: 28945  
Ion Ratio Lower Upper  
101 100  
85 44.1 36.6 55.0  
151 79.0 67.0 100.6



#10  
Methyl Iodide  
Concen: 19.453 ug/l  
RT: 4.106 min Scan# 375  
Delta R.T. 0.006 min  
Lab File: VY016219.D  
Acq: 03 Nov 2023 18:47

Tgt Ion:142 Resp: 29957  
Ion Ratio Lower Upper  
142 100  
127 44.4 37.6 56.4  
141 13.9 11.8 17.8

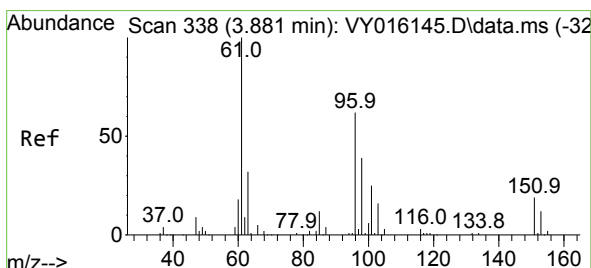
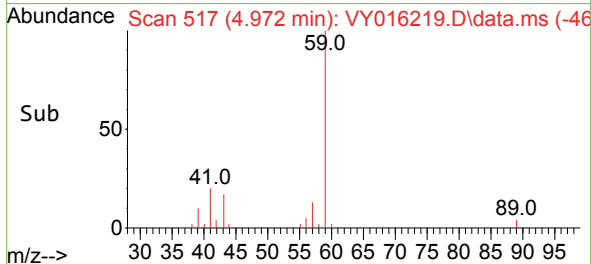
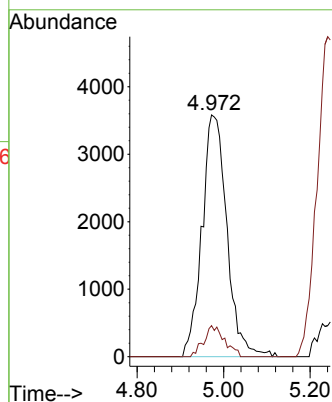
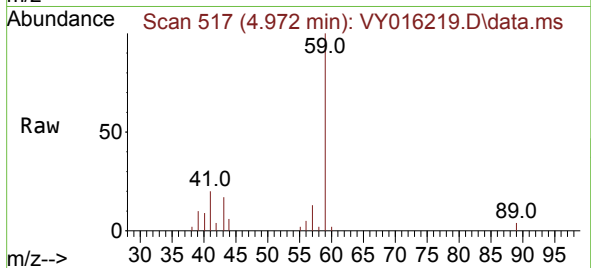




#11  
Tert butyl alcohol  
Concen: 128.044 ug/l  
RT: 4.972 min Scan# 51  
Delta R.T. 0.012 min  
Lab File: VY016219.D  
Acq: 03 Nov 2023 18:47

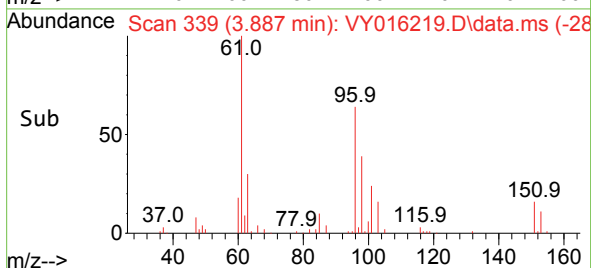
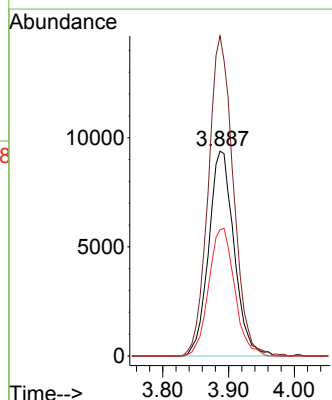
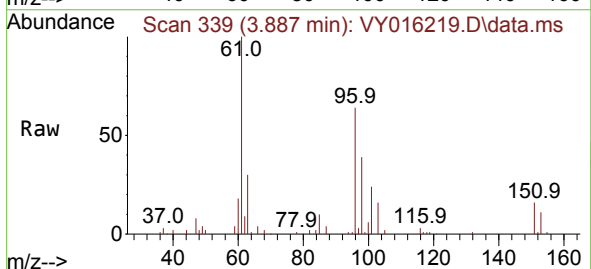
Instrument :  
MSVOA\_Y  
ClientSampleId :

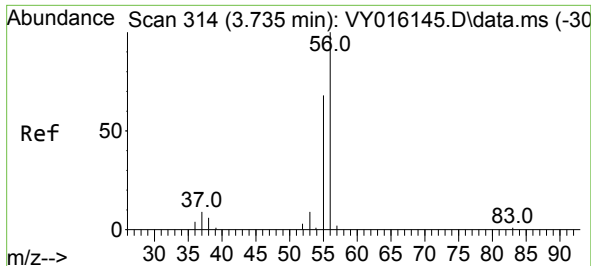
Tgt Ion: 59 Resp: 14300  
Ion Ratio Lower Upper  
59 100  
57 10.7 3.0 4.4#



#12  
1,1-Dichloroethene  
Concen: 19.919 ug/l  
RT: 3.887 min Scan# 339  
Delta R.T. 0.006 min  
Lab File: VY016219.D  
Acq: 03 Nov 2023 18:47

Tgt Ion: 96 Resp: 25178  
Ion Ratio Lower Upper  
96 100  
61 156.2 136.4 204.6  
98 61.6 49.4 74.2

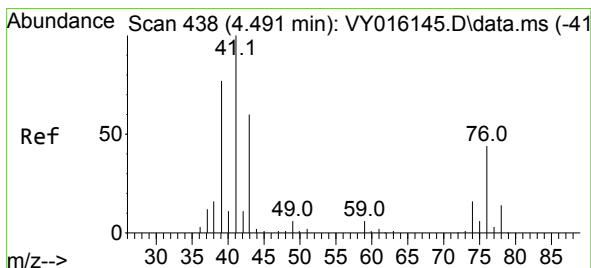
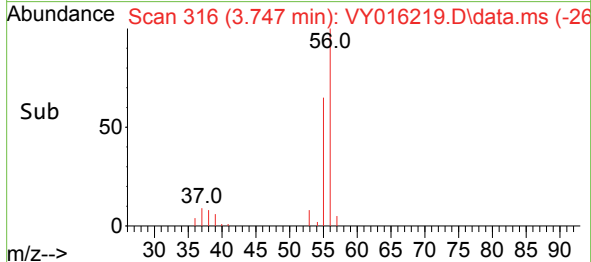
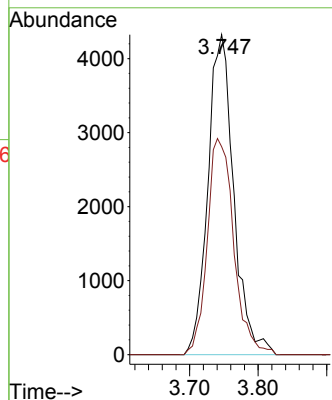
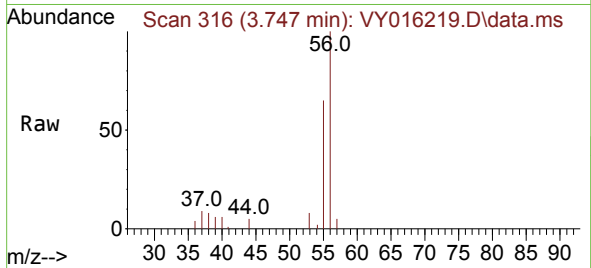




#13  
Acrolein  
Concen: 105.582 ug/l  
RT: 3.747 min Scan# 314  
Delta R.T. 0.012 min  
Lab File: VY016219.D  
Acq: 03 Nov 2023 18:47

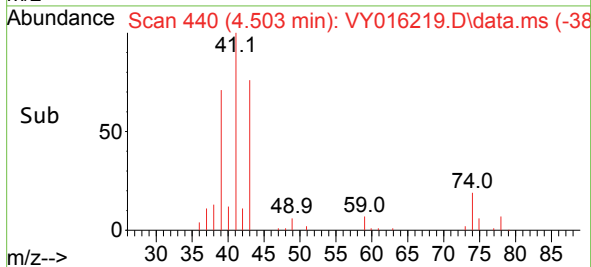
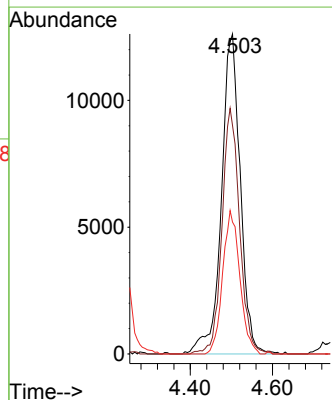
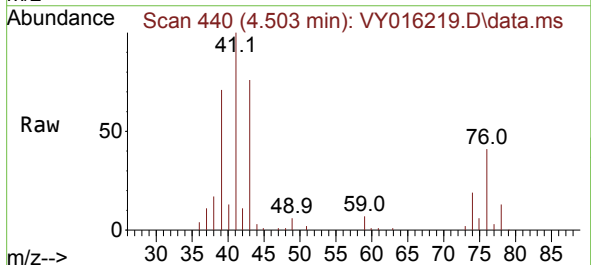
Instrument :  
MSVOA\_Y  
ClientSampleId :

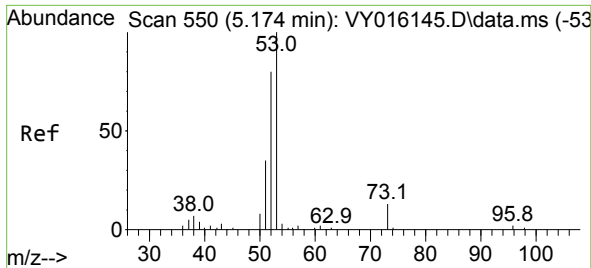
Tgt Ion: 56 Resp: 11332  
Ion Ratio Lower Upper  
56 100  
55 69.1 57.0 85.4



#14  
Allyl chloride  
Concen: 22.260 ug/l  
RT: 4.503 min Scan# 440  
Delta R.T. 0.012 min  
Lab File: VY016219.D  
Acq: 03 Nov 2023 18:47

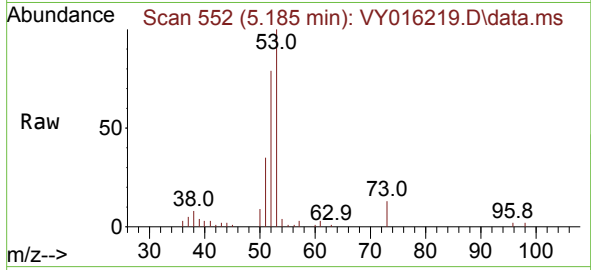
Tgt Ion: 41 Resp: 40245  
Ion Ratio Lower Upper  
41 100  
39 71.6 58.0 87.0  
76 40.8 27.4 41.2



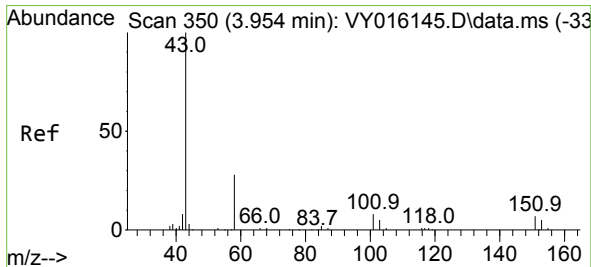
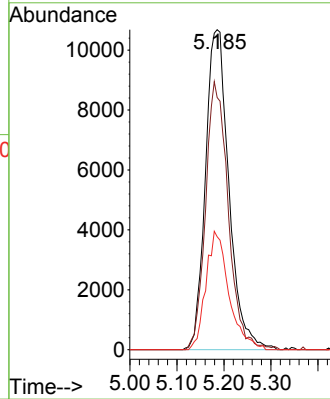
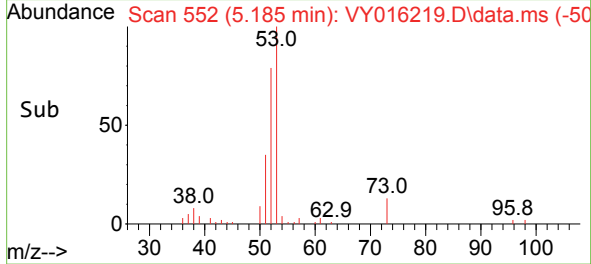


#15  
Acrylonitrile  
Concen: 118.966 ug/l  
RT: 5.185 min Scan# 51  
Delta R.T. 0.012 min  
Lab File: VY016219.D  
Acq: 03 Nov 2023 18:47

Instrument :  
MSVOA\_Y  
ClientSampleId :

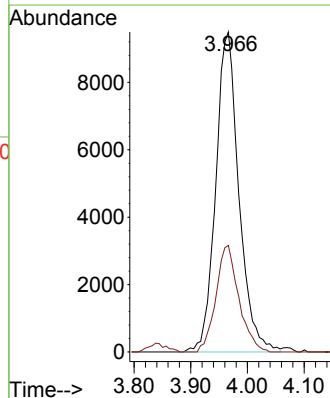
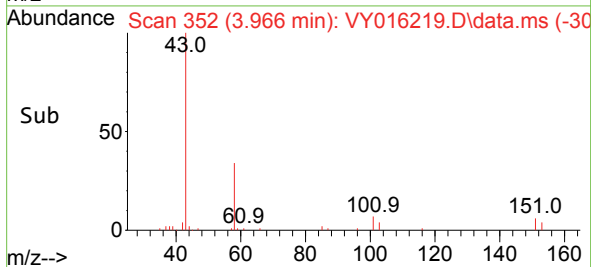
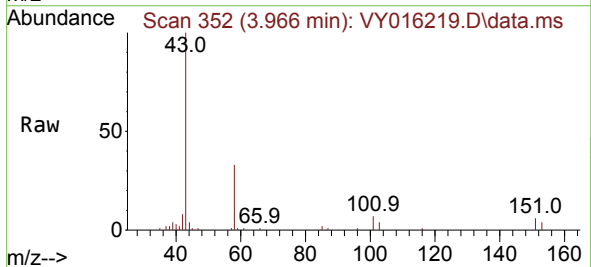


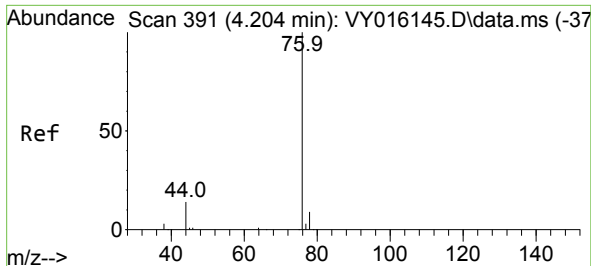
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 53    | Resp: | 37038 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 80.8  | 66.9  | 100.3 |
| 51       | 36.4  | 29.8  | 44.6  |



#16  
Acetone  
Concen: 101.478 ug/l  
RT: 3.966 min Scan# 352  
Delta R.T. 0.012 min  
Lab File: VY016219.D  
Acq: 03 Nov 2023 18:47

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 26918 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 33.3  | 22.7  | 34.1  |





#17

Carbon Disulfide

Concen: 18.162 ug/l

RT: 4.210 min Scan# 391

Delta R.T. 0.006 min

Lab File: VY016219.D

Acq: 03 Nov 2023 18:47

Instrument :

MSVOA\_Y

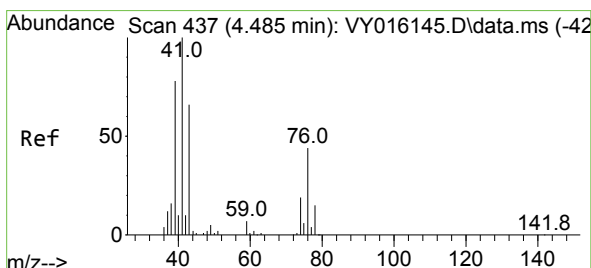
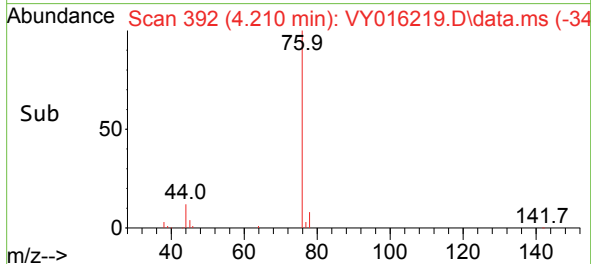
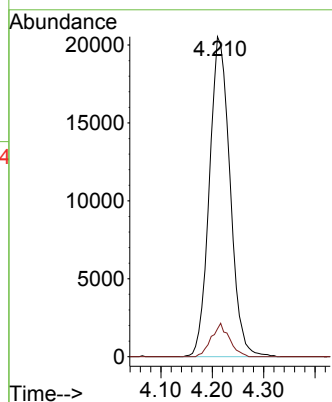
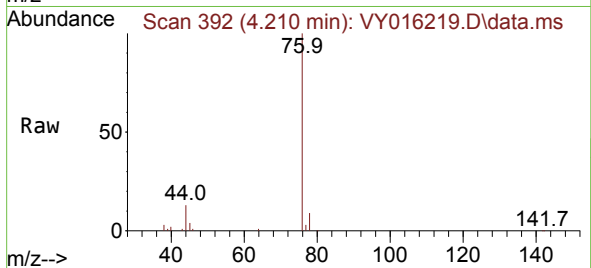
ClientSampleId :

Tgt Ion: 76 Resp: 57315

Ion Ratio Lower Upper

76 100

78 8.7 7.0 10.4



#18

Methyl Acetate

Concen: 25.823 ug/l

RT: 4.497 min Scan# 439

Delta R.T. 0.012 min

Lab File: VY016219.D

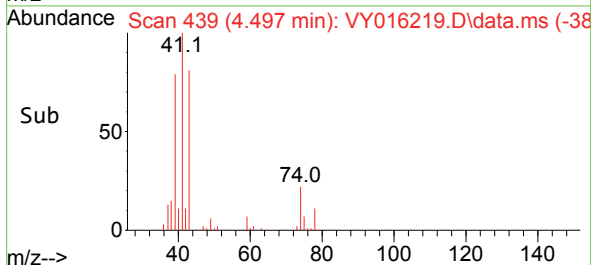
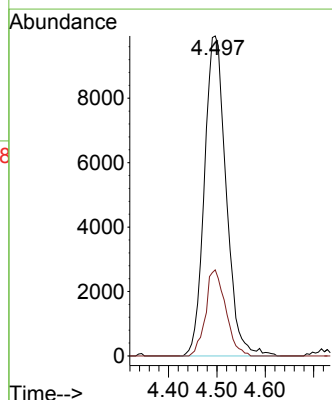
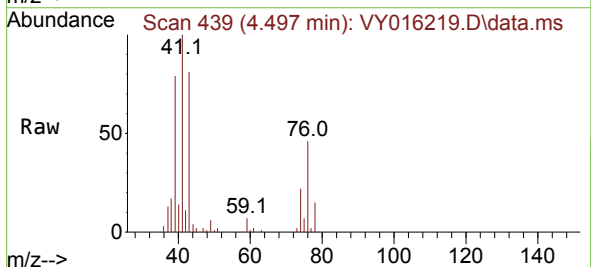
Acq: 03 Nov 2023 18:47

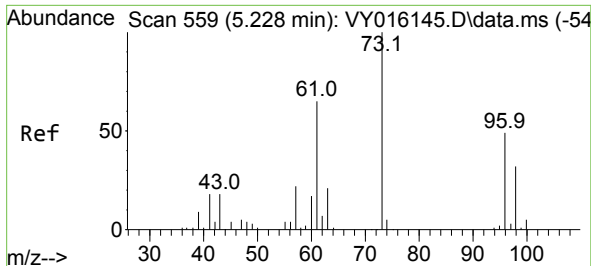
Tgt Ion: 43 Resp: 31041

Ion Ratio Lower Upper

43 100

74 24.9 17.4 26.0

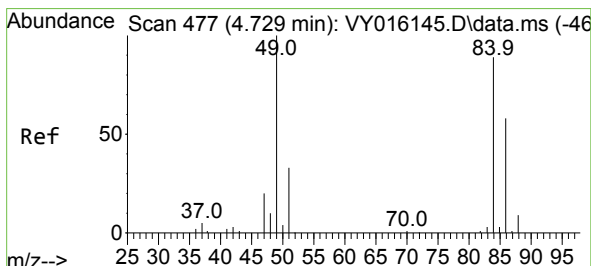
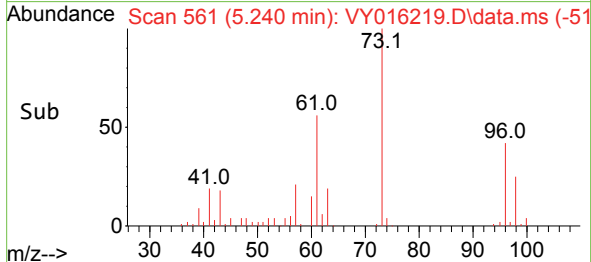
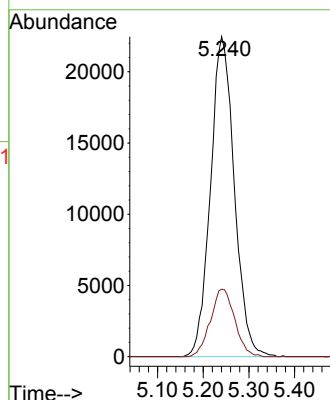
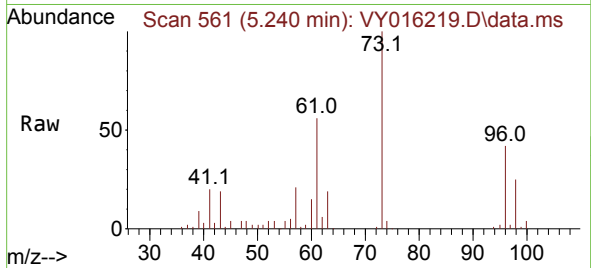




#19  
Methyl tert-butyl Ether  
Concen: 22.665 ug/l  
RT: 5.240 min Scan# 51  
Delta R.T. 0.012 min  
Lab File: VY016219.D  
Acq: 03 Nov 2023 18:47

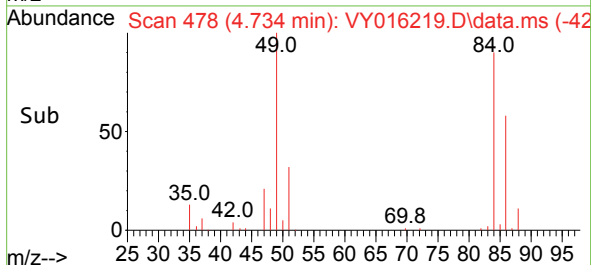
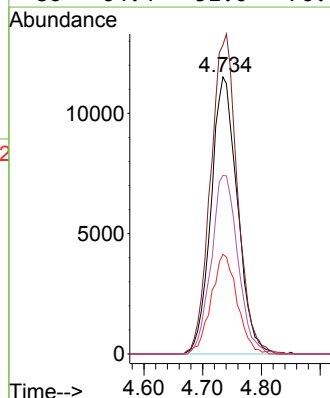
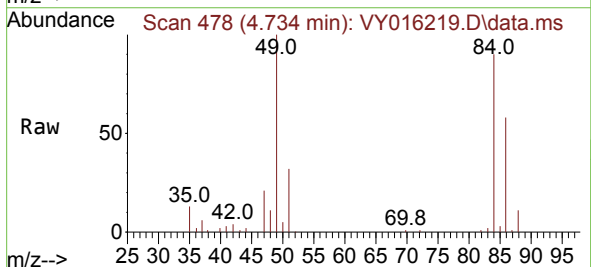
Instrument :  
MSVOA\_Y  
ClientSampleId :

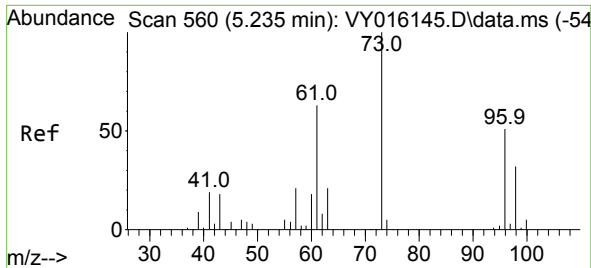
Tgt Ion: 73 Resp: 81491  
Ion Ratio Lower Upper  
73 100  
57 21.1 17.3 25.9



#20  
Methylene Chloride  
Concen: 21.871 ug/l  
RT: 4.734 min Scan# 478  
Delta R.T. 0.005 min  
Lab File: VY016219.D  
Acq: 03 Nov 2023 18:47

Tgt Ion: 84 Resp: 35856  
Ion Ratio Lower Upper  
84 100  
49 111.6 106.9 160.3  
51 36.0 33.2 49.8  
86 64.4 51.0 76.6

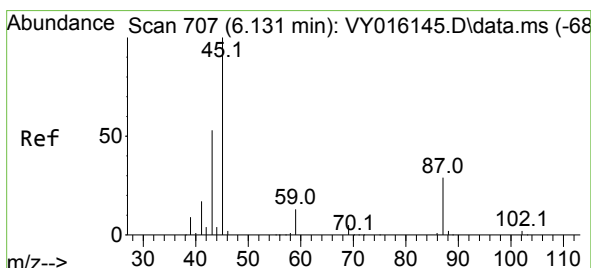
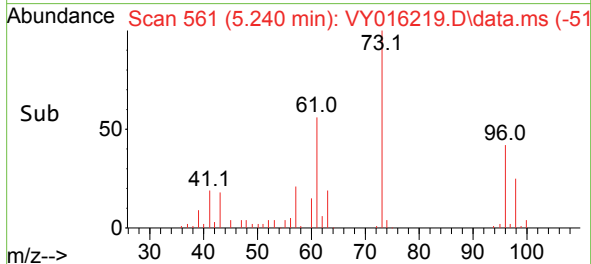
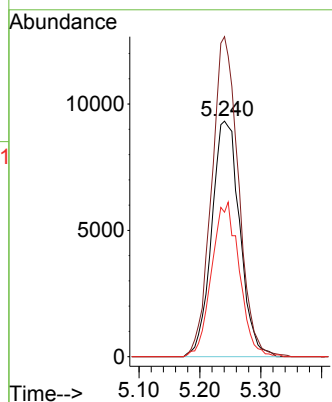
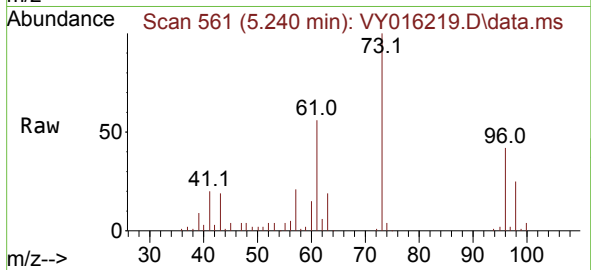




#21  
trans-1,2-Dichloroethene  
Concen: 20.273 ug/l  
RT: 5.240 min Scan# 50  
Delta R.T. 0.006 min  
Lab File: VY016219.D  
Acq: 03 Nov 2023 18:47

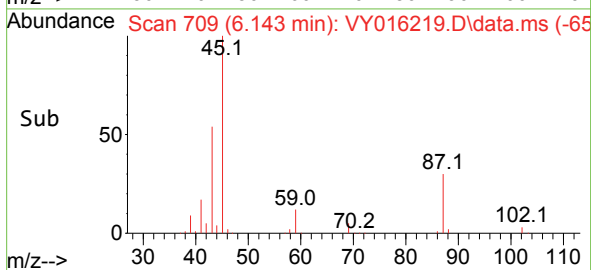
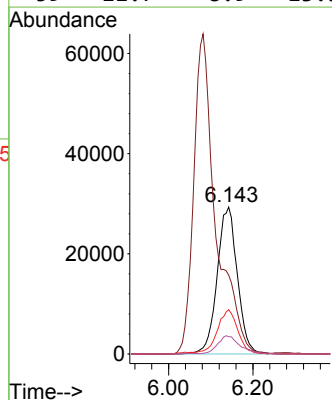
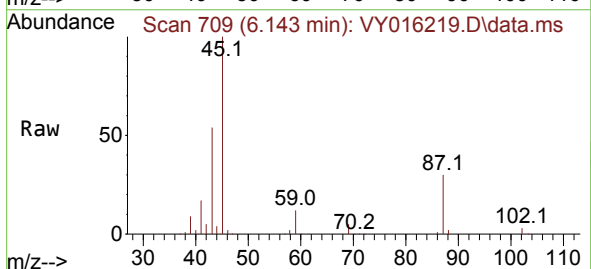
Instrument :  
MSVOA\_Y  
ClientSampleId :

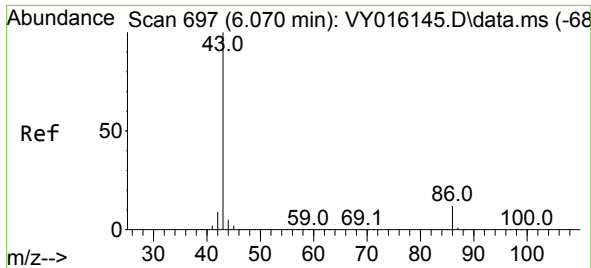
Tgt Ion: 96 Resp: 29849  
Ion Ratio Lower Upper  
96 100  
61 135.8 110.2 165.4  
98 61.3 51.8 77.6



#22  
Diisopropyl ether  
Concen: 22.259 ug/l  
RT: 6.143 min Scan# 709  
Delta R.T. 0.012 min  
Lab File: VY016219.D  
Acq: 03 Nov 2023 18:47

Tgt Ion: 45 Resp: 97337  
Ion Ratio Lower Upper  
45 100  
43 52.9 52.2 78.4  
87 30.2 21.0 31.6  
59 11.7 8.9 13.3





#23

Vinyl Acetate

Concen: 108.104 ug/l

RT: 6.082 min Scan# 699

Delta R.T. 0.012 min

Lab File: VY016219.D

Acq: 03 Nov 2023 18:47

Instrument :

MSVOA\_Y

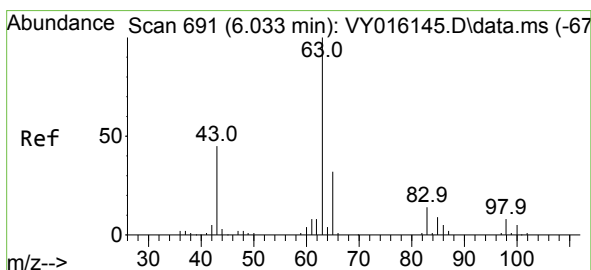
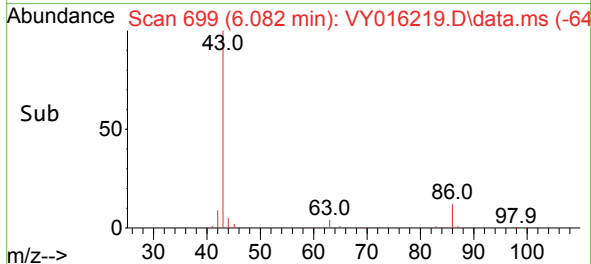
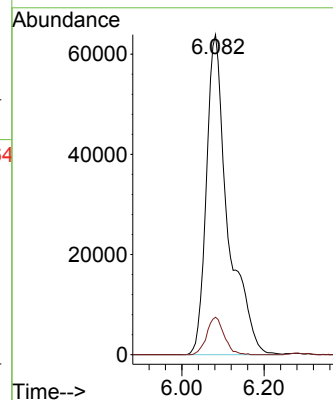
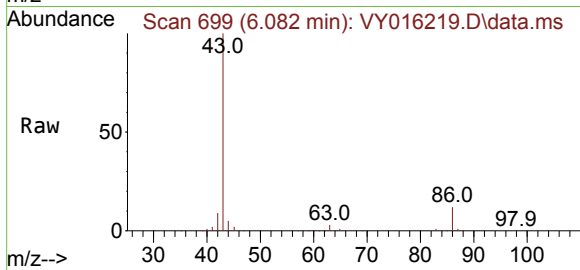
ClientSampleId :

Tgt Ion: 43 Resp: 232107

Ion Ratio Lower Upper

43 100

86 11.7 7.5 11.3#



#24

1,1-Dichloroethane

Concen: 21.490 ug/l

RT: 6.039 min Scan# 692

Delta R.T. 0.006 min

Lab File: VY016219.D

Acq: 03 Nov 2023 18:47

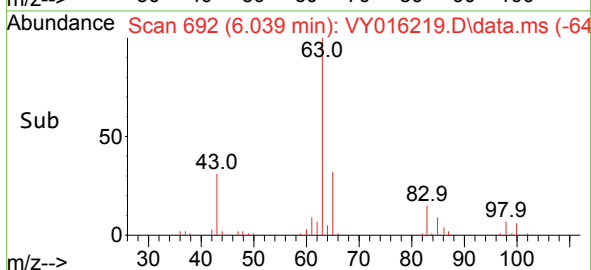
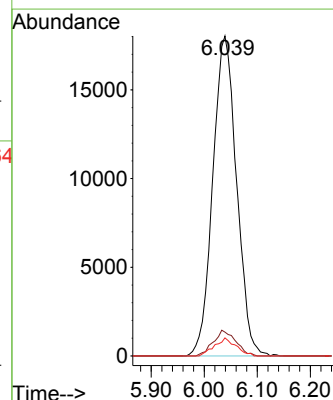
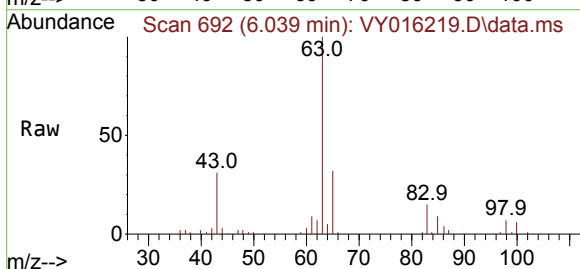
Tgt Ion: 63 Resp: 56243

Ion Ratio Lower Upper

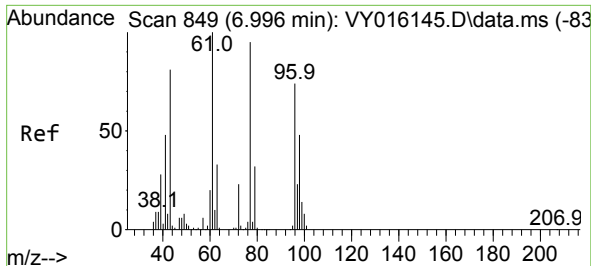
63 100

98 7.5 3.1 9.4

100 5.7 1.8 5.5#



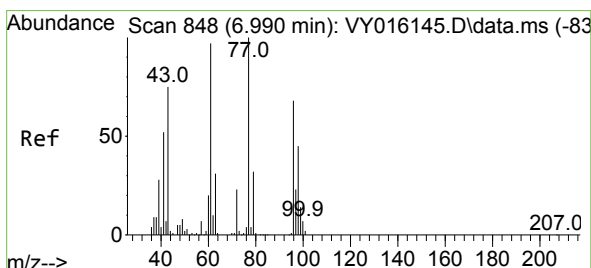
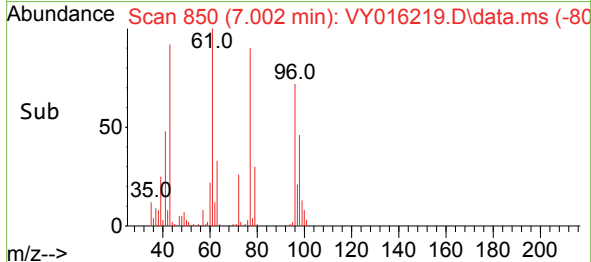
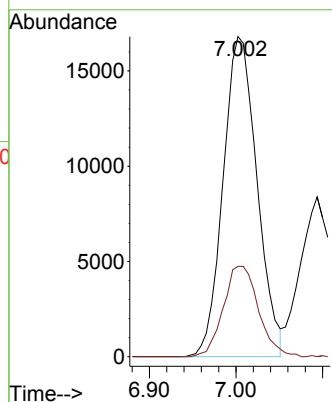
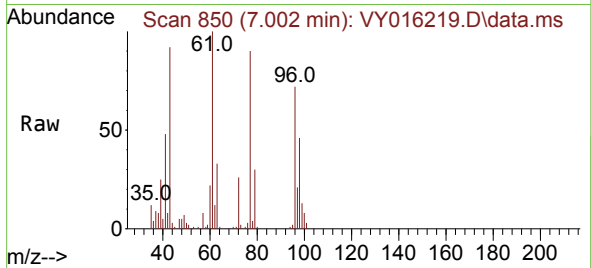




#25  
2-Butanone  
Concen: 110.784 ug/l  
RT: 7.002 min Scan# 81  
Delta R.T. 0.006 min  
Lab File: VY016219.D  
Acq: 03 Nov 2023 18:47

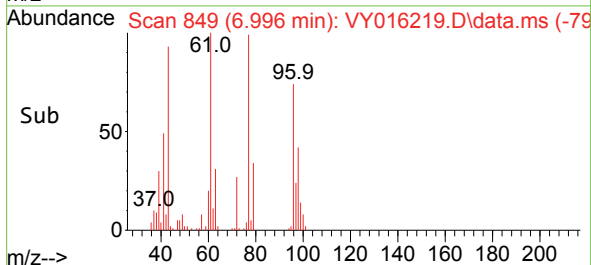
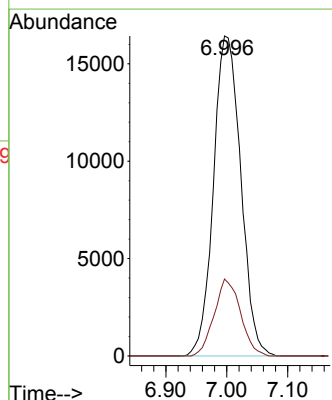
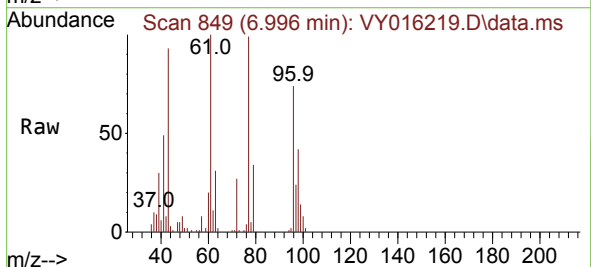
Instrument :  
MSVOA\_Y  
ClientSampleId :

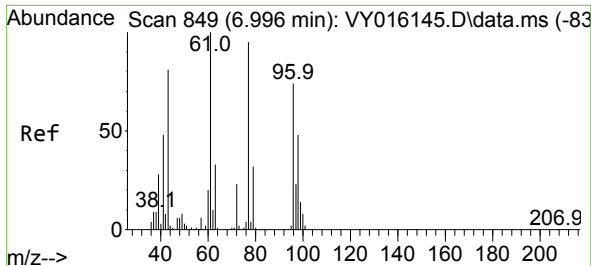
Tgt Ion: 43 Resp: 45686  
Ion Ratio Lower Upper  
43 100  
72 28.3 20.5 30.7



#26  
2,2-Dichloropropane  
Concen: 20.650 ug/l  
RT: 6.996 min Scan# 849  
Delta R.T. 0.006 min  
Lab File: VY016219.D  
Acq: 03 Nov 2023 18:47

Tgt Ion: 77 Resp: 51089  
Ion Ratio Lower Upper  
77 100  
97 23.2 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 21.519 ug/l

RT: 7.008 min Scan# 849

Delta R.T. 0.012 min

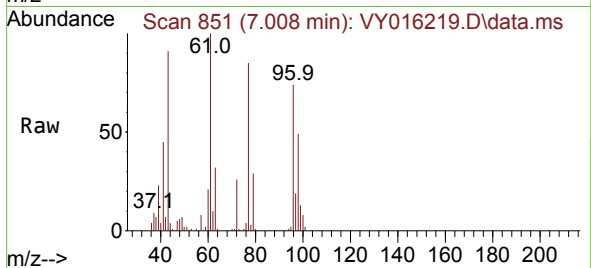
Lab File: VY016219.D

Acq: 03 Nov 2023 18:47

Instrument :

MSVOA\_Y

ClientSampleId :



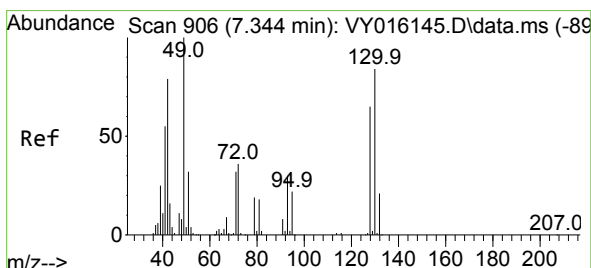
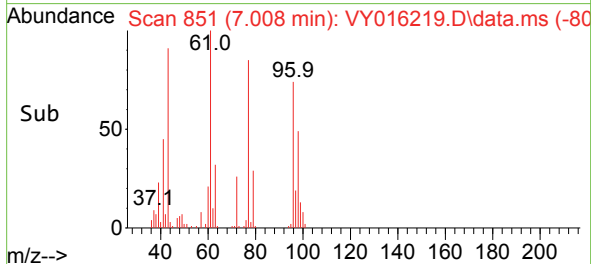
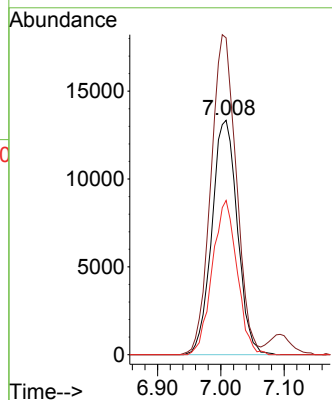
Tgt Ion: 96 Resp: 37286

Ion Ratio Lower Upper

96 100

61 136.3 0.0 301.4

98 64.0 0.0 130.4



#28

Bromochloromethane

Concen: 21.174 ug/l

RT: 7.356 min Scan# 908

Delta R.T. 0.012 min

Lab File: VY016219.D

Acq: 03 Nov 2023 18:47

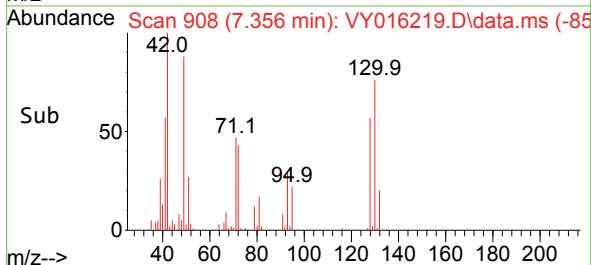
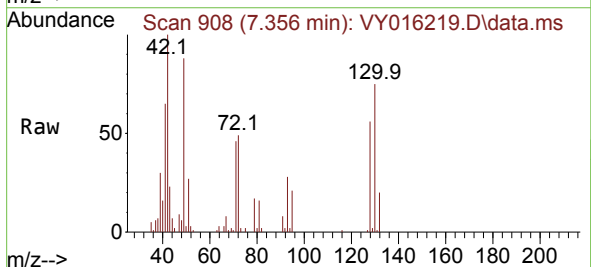
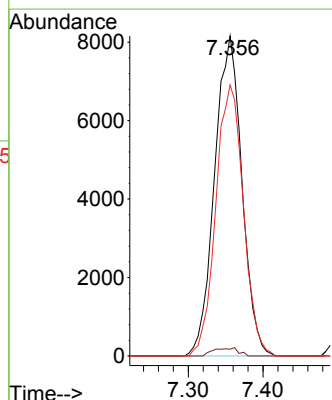
Tgt Ion: 49 Resp: 20737

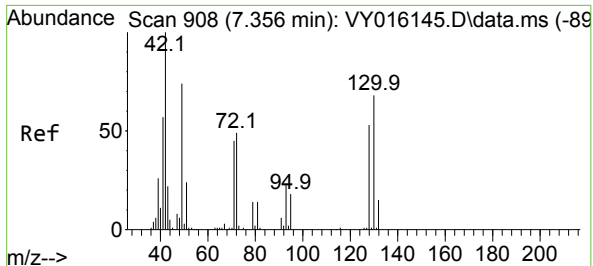
Ion Ratio Lower Upper

49 100

129 2.3 0.0 4.6

130 85.4 60.7 91.1





#29

Tetrahydrofuran

Concen: 116.886 ug/l

RT: 7.368 min Scan# 910

Delta R.T. 0.012 min

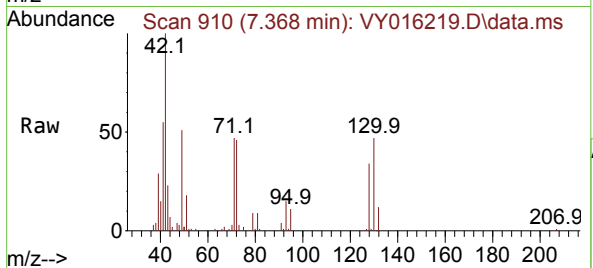
Lab File: VY016219.D

Acq: 03 Nov 2023 18:47

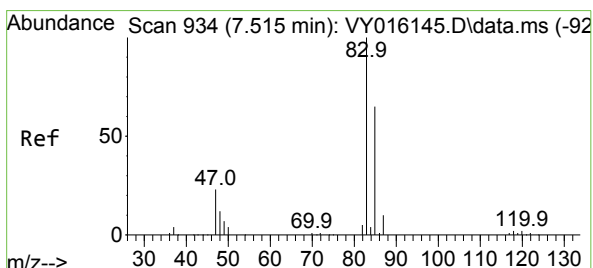
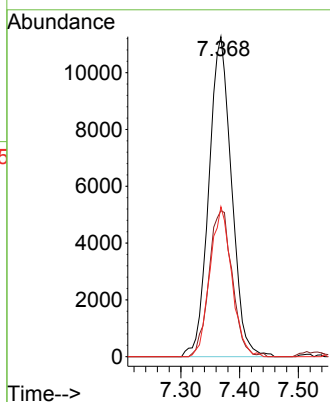
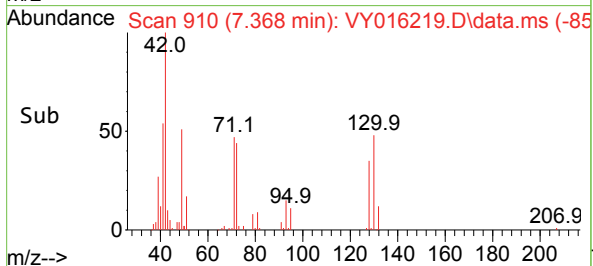
Instrument :

MSVOA\_Y

ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 30216 |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 46.8  | 32.8  | 49.2  |
| 71       | 45.0  | 31.0  | 46.4  |



#30

Chloroform

Concen: 22.928 ug/l

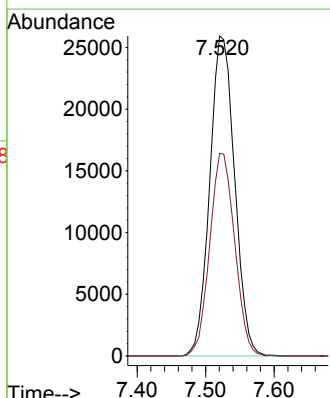
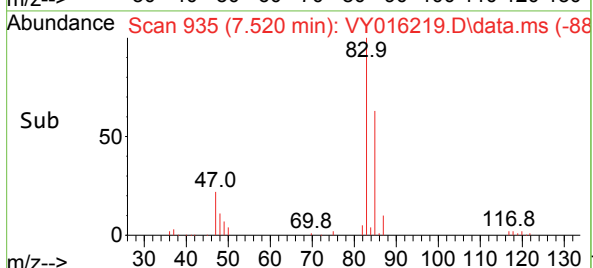
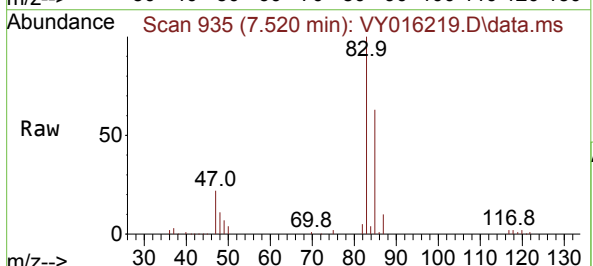
RT: 7.520 min Scan# 935

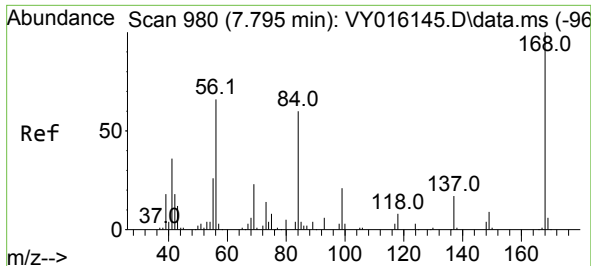
Delta R.T. 0.006 min

Lab File: VY016219.D

Acq: 03 Nov 2023 18:47

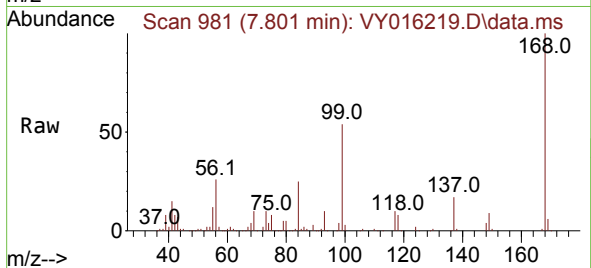
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 65332 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 63.3  | 49.7  | 74.5  |



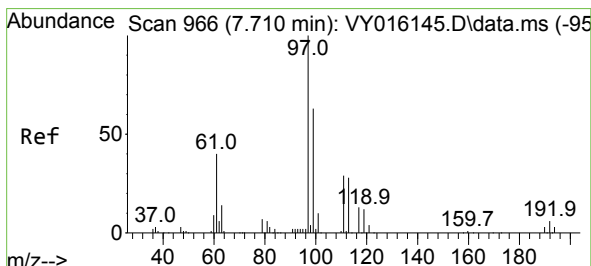
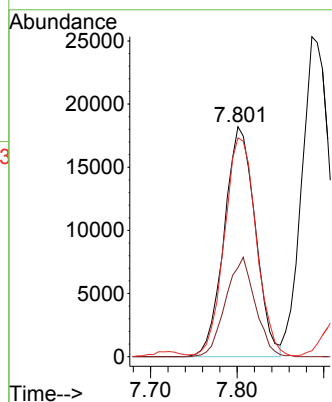
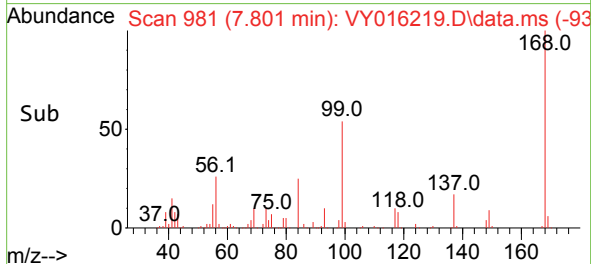


#31  
Cyclohexane  
Concen: 19.787 ug/l  
RT: 7.801 min Scan# 980  
Delta R.T. 0.006 min  
Lab File: VY016219.D  
Acq: 03 Nov 2023 18:47

Instrument :  
MSVOA\_Y  
ClientSampleId :

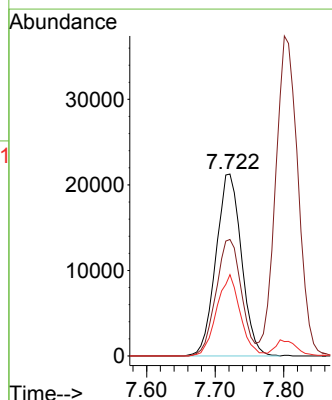
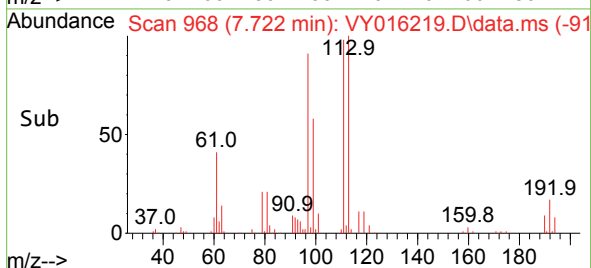
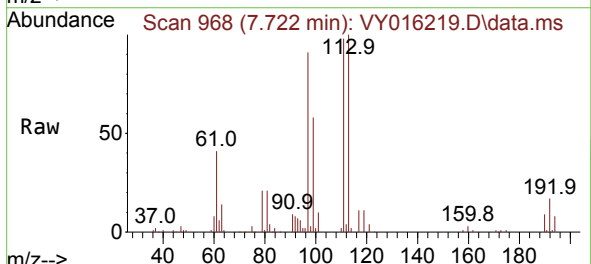


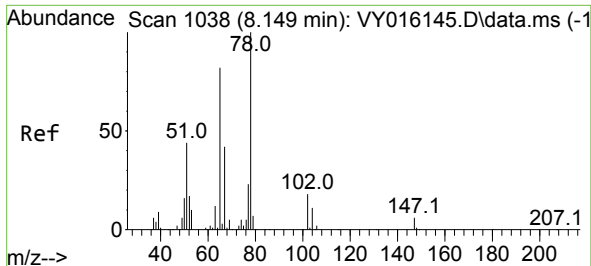
Tgt Ion: 56 Resp: 45466  
Ion Ratio Lower Upper  
56 100  
69 38.7 27.8 41.6  
84 94.0 66.4 99.6



#32  
1,1,1-Trichloroethane  
Concen: 21.024 ug/l  
RT: 7.722 min Scan# 968  
Delta R.T. 0.012 min  
Lab File: VY016219.D  
Acq: 03 Nov 2023 18:47

Tgt Ion: 97 Resp: 54940  
Ion Ratio Lower Upper  
97 100  
99 63.6 50.8 76.2  
61 41.6 35.1 52.7

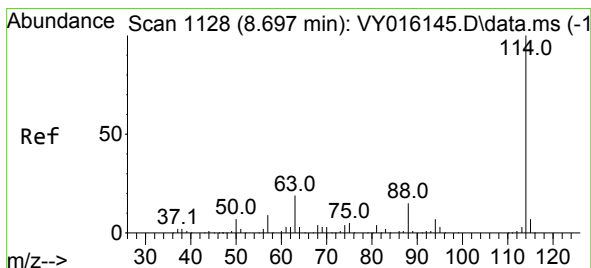
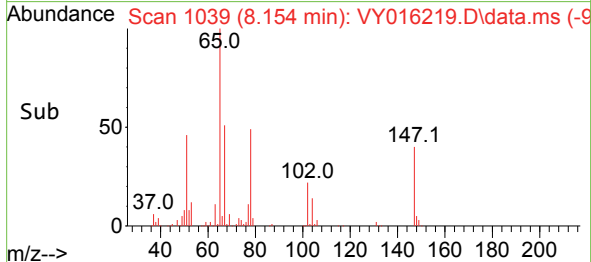
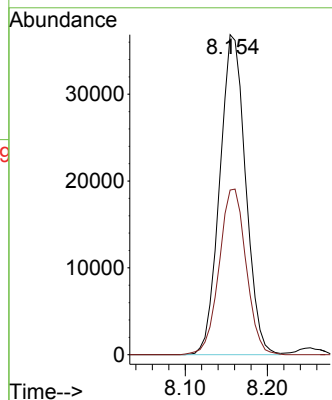
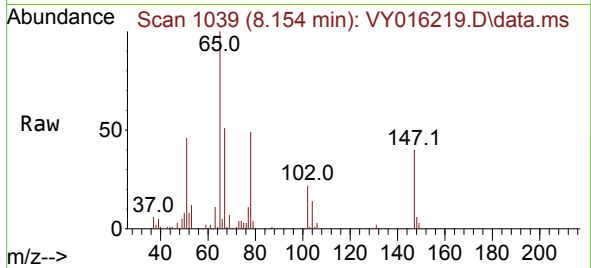




#33  
1,2-Dichloroethane-d4  
Concen: 53.956 ug/l  
RT: 8.154 min Scan# 1039  
Delta R.T. 0.006 min  
Lab File: VY016219.D  
Acq: 03 Nov 2023 18:47

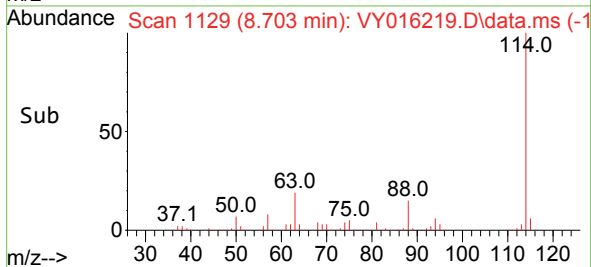
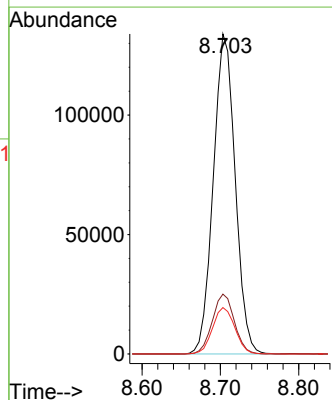
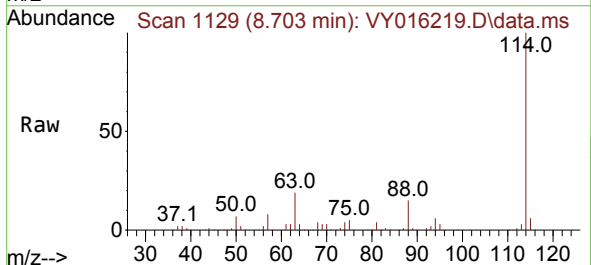
Instrument :  
MSVOA\_Y  
ClientSampleId :

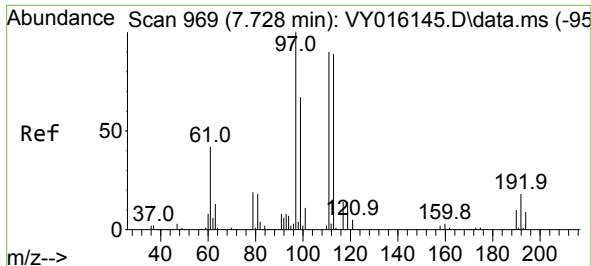
Tgt Ion: 65 Resp: 80650  
Ion Ratio Lower Upper  
65 100  
67 53.9 0.0 101.8



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.703 min Scan# 1129  
Delta R.T. 0.006 min  
Lab File: VY016219.D  
Acq: 03 Nov 2023 18:47

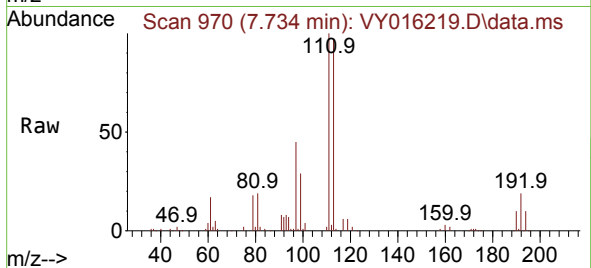
Tgt Ion:114 Resp: 260165  
Ion Ratio Lower Upper  
114 100  
63 18.7 0.0 42.4  
88 14.5 0.0 30.6



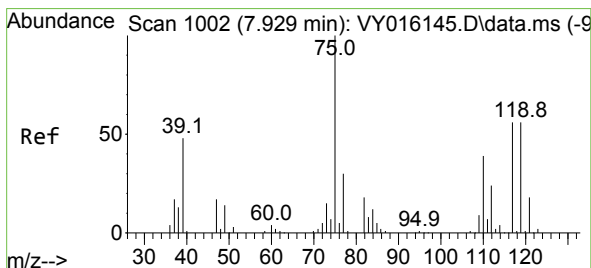
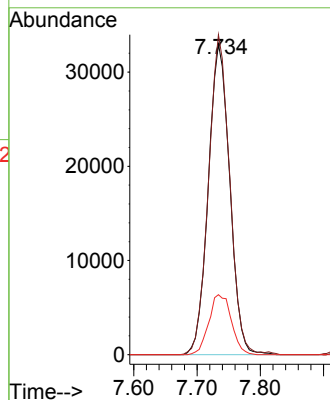
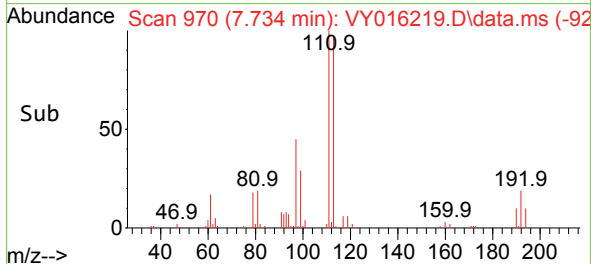


#35  
Dibromofluoromethane  
Concen: 50.109 ug/l  
RT: 7.734 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY016219.D  
Acq: 03 Nov 2023 18:47

Instrument :  
MSVOA\_Y  
ClientSampleId :

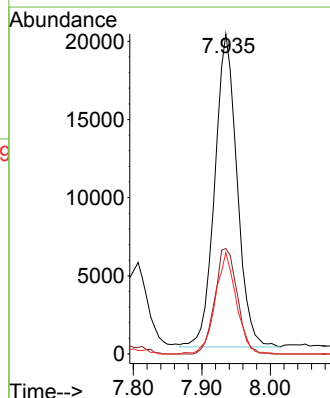
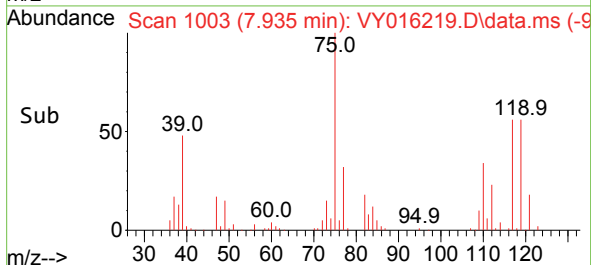
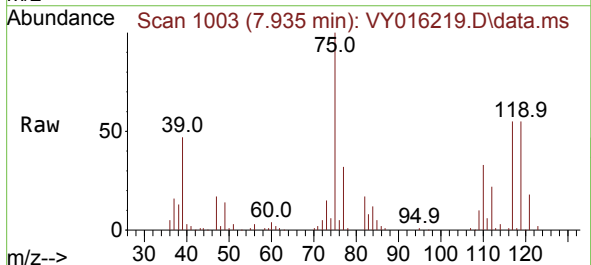


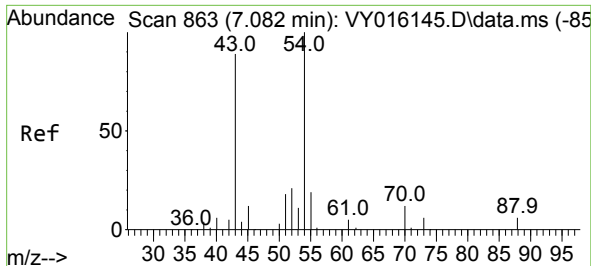
Tgt Ion:113 Resp: 77720  
Ion Ratio Lower Upper  
113 100  
111 101.6 81.3 121.9  
192 20.3 16.9 25.3



#36  
1,1-Dichloropropene  
Concen: 20.216 ug/l  
RT: 7.935 min Scan# 1003  
Delta R.T. 0.006 min  
Lab File: VY016219.D  
Acq: 03 Nov 2023 18:47

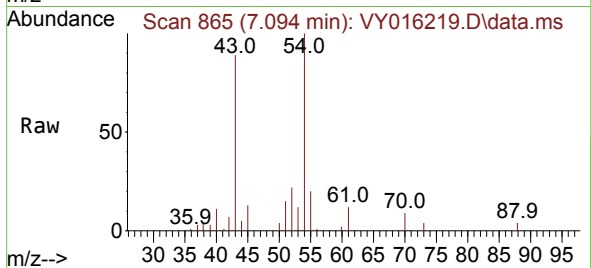
Tgt Ion: 75 Resp: 45278  
Ion Ratio Lower Upper  
75 100  
110 34.0 17.8 53.5  
77 30.5 24.4 36.6



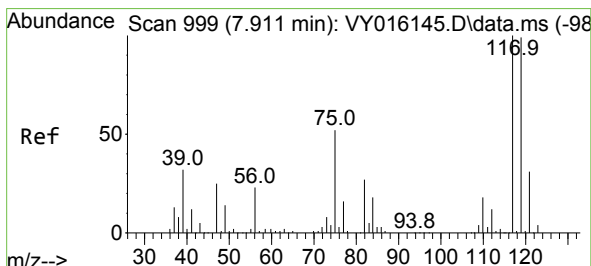
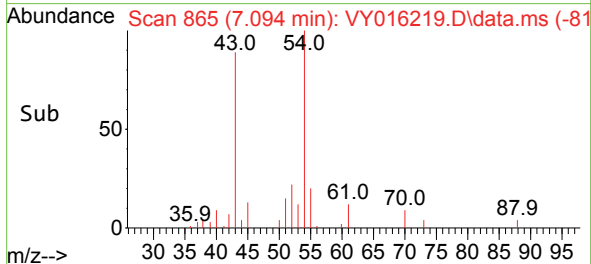
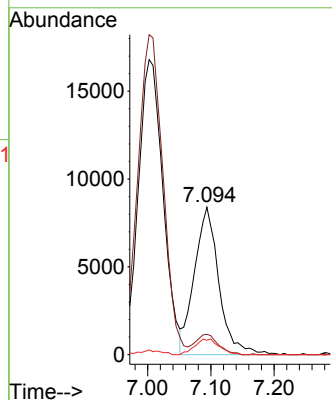


#37  
Ethyl Acetate  
Concen: 22.750 ug/l  
RT: 7.094 min Scan# 80  
Delta R.T. 0.012 min  
Lab File: VY016219.D  
Acq: 03 Nov 2023 18:47

Instrument :  
MSVOA\_Y  
ClientSampleId :

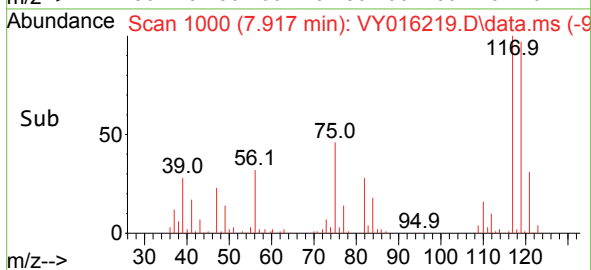
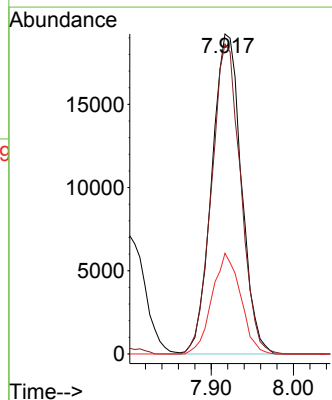
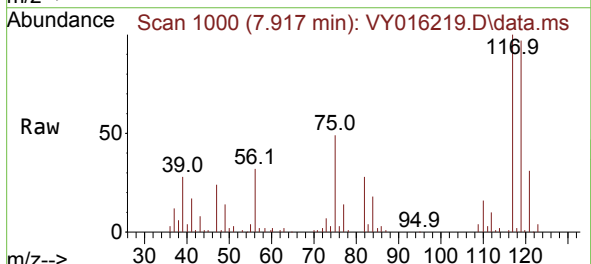


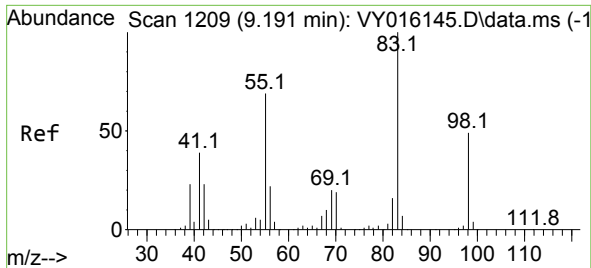
Tgt Ion: 43 Resp: 22694  
Ion Ratio Lower Upper  
43 100  
61 12.8 10.1 15.1  
70 10.6 7.1 10.7



#38  
Carbon Tetrachloride  
Concen: 21.589 ug/l  
RT: 7.917 min Scan# 1000  
Delta R.T. 0.006 min  
Lab File: VY016219.D  
Acq: 03 Nov 2023 18:47

Tgt Ion: 117 Resp: 47904  
Ion Ratio Lower Upper  
117 100  
119 96.8 76.4 114.6  
121 31.5 25.8 38.6





#39

Methylcyclohexane

Concen: 19.203 ug/l

RT: 9.197 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY016219.D

Acq: 03 Nov 2023 18:47

Instrument :

MSVOA\_Y

ClientSampleId :

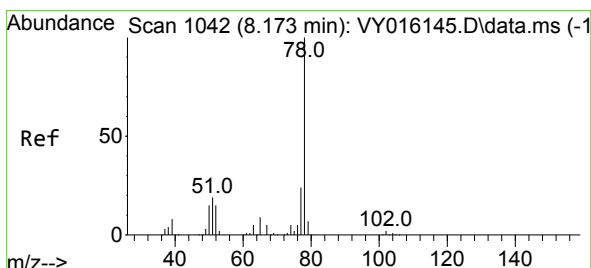
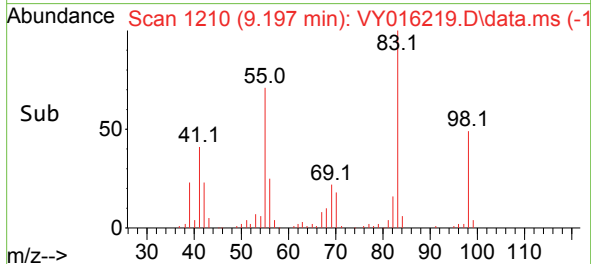
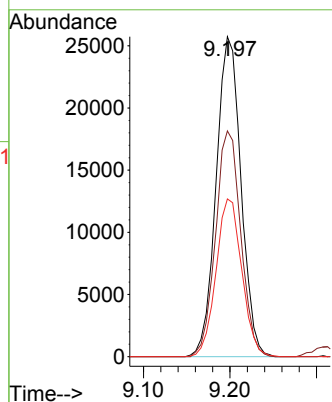
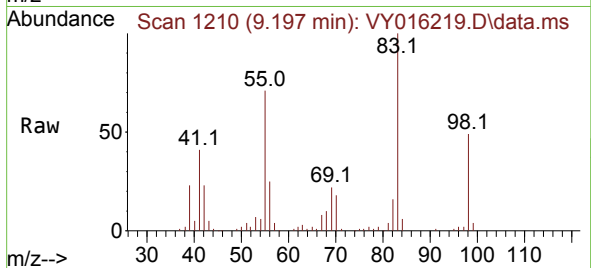
Tgt Ion: 83 Resp: 51337

Ion Ratio Lower Upper

83 100

55 70.6 63.0 94.4

98 49.3 37.4 56.2



#40

Benzene

Concen: 20.131 ug/l

RT: 8.179 min Scan# 1043

Delta R.T. 0.006 min

Lab File: VY016219.D

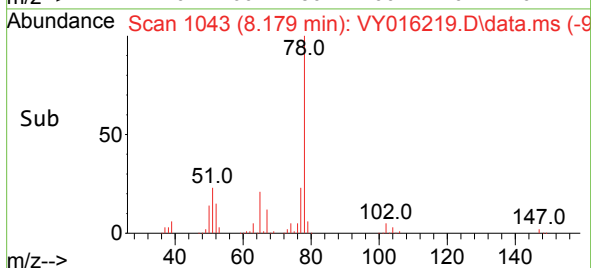
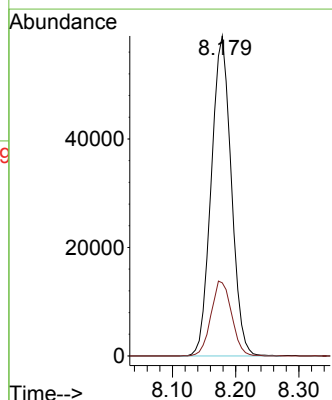
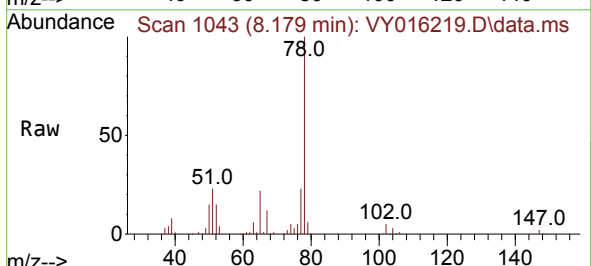
Acq: 03 Nov 2023 18:47

Tgt Ion: 78 Resp: 129437

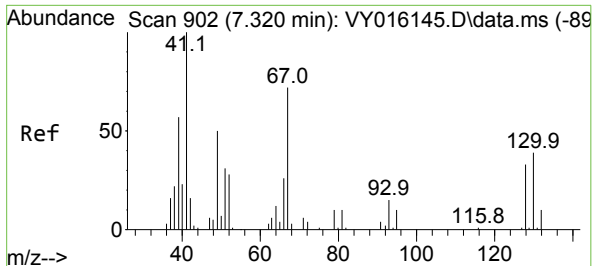
Ion Ratio Lower Upper

78 100

77 22.9 19.0 28.6



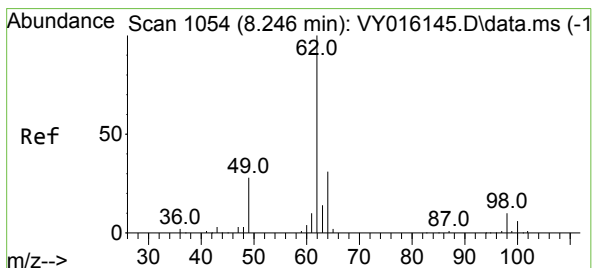
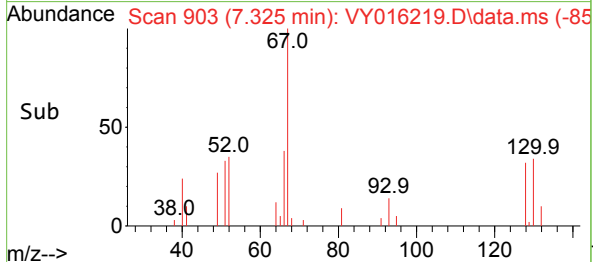
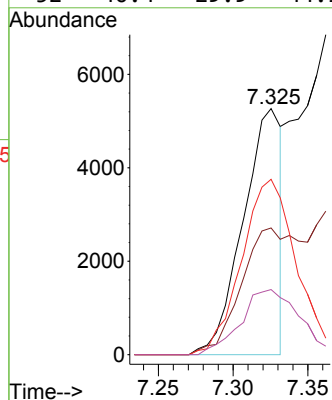
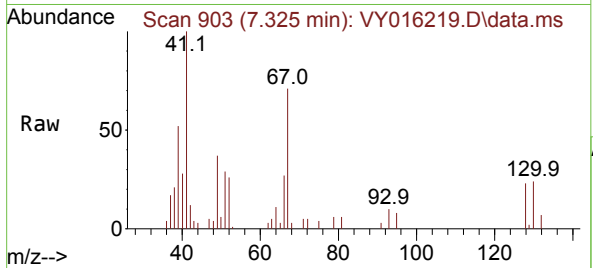




#41  
Methacrylonitrile  
Concen: 16.364 ug/l  
RT: 7.325 min Scan# 902  
Delta R.T. 0.006 min  
Lab File: VY016219.D  
Acq: 03 Nov 2023 18:47

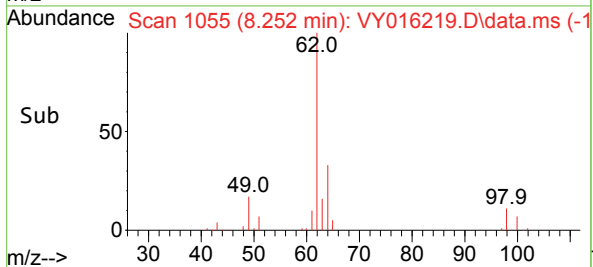
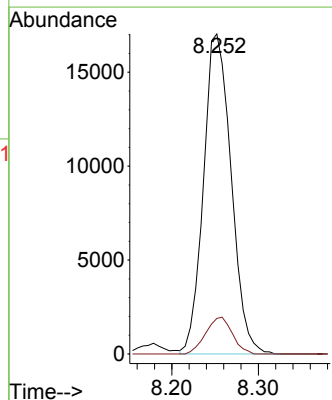
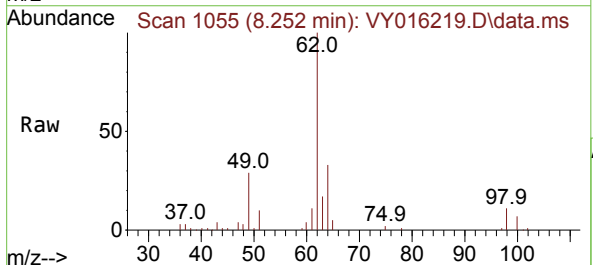
Instrument :  
MSVOA\_Y  
ClientSampleId :

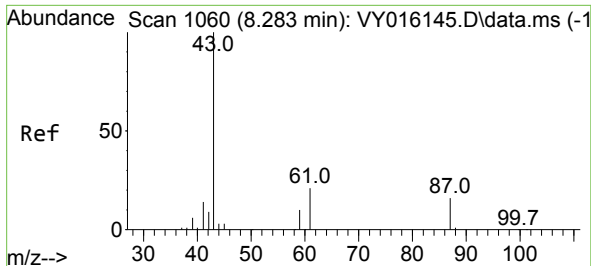
Tgt Ion: 41 Resp: 9475  
Ion Ratio Lower Upper  
41 100  
39 82.5 52.1 78.1#  
67 101.5 66.2 99.2#  
52 40.4 29.9 44.9



#42  
1,2-Dichloroethane  
Concen: 21.082 ug/l  
RT: 8.252 min Scan# 1055  
Delta R.T. 0.006 min  
Lab File: VY016219.D  
Acq: 03 Nov 2023 18:47

Tgt Ion: 62 Resp: 37828  
Ion Ratio Lower Upper  
62 100  
98 11.0 0.0 15.8





#43

Isopropyl Acetate

Concen: 21.854 ug/l

RT: 8.289 min Scan# 1060

Delta R.T. 0.006 min

Lab File: VY016219.D

Acq: 03 Nov 2023 18:47

Instrument :

MSVOA\_Y

ClientSampleId :

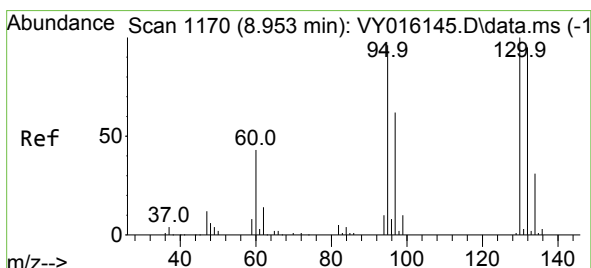
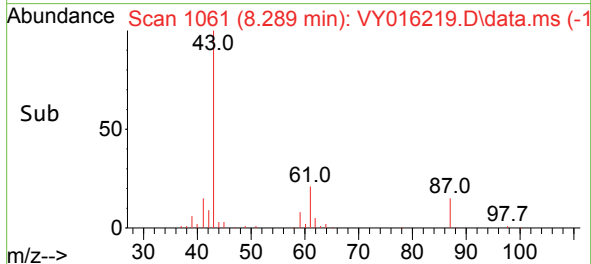
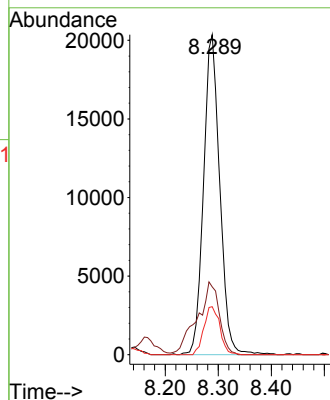
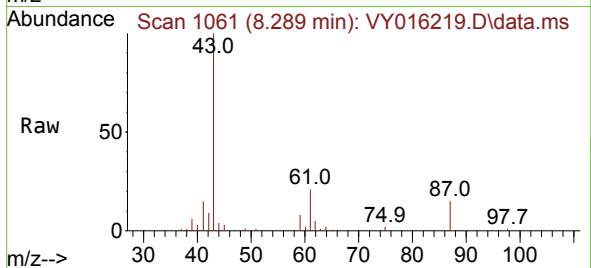
Tgt Ion: 43 Resp: 43123

Ion Ratio Lower Upper

43 100

61 31.2 21.1 31.7

87 14.8 9.8 14.8#



#44

Trichloroethene

Concen: 20.419 ug/l

RT: 8.953 min Scan# 1170

Delta R.T. -0.000 min

Lab File: VY016219.D

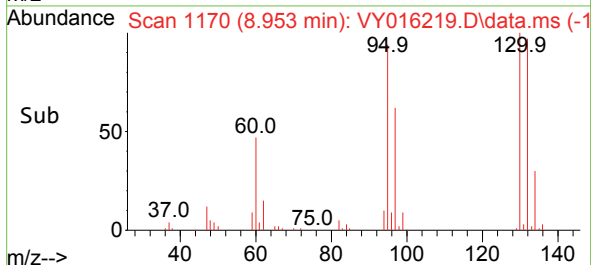
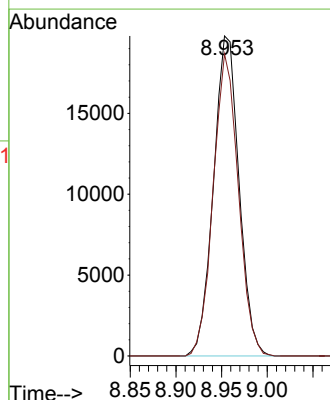
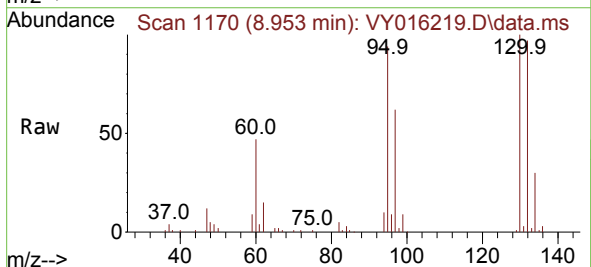
Acq: 03 Nov 2023 18:47

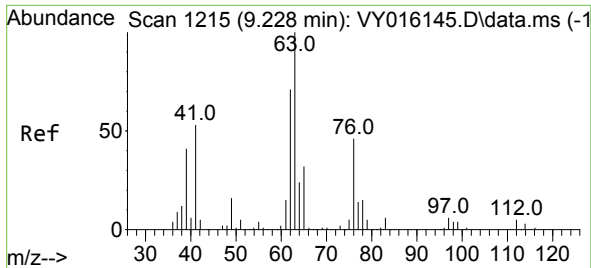
Tgt Ion:130 Resp: 38422

Ion Ratio Lower Upper

130 100

95 94.4 0.0 196.0

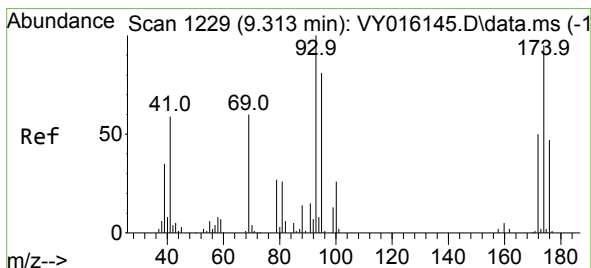
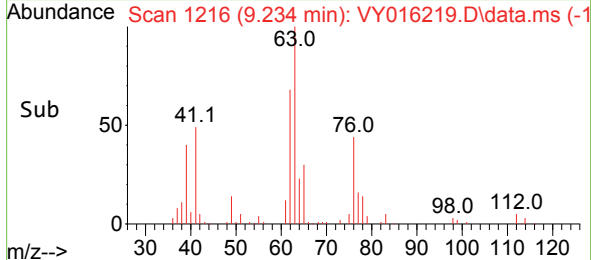
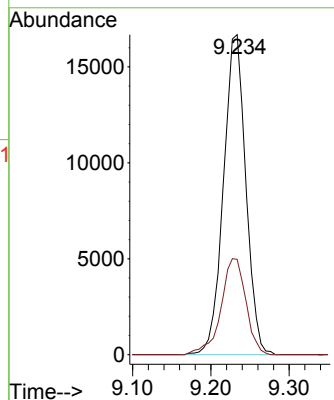
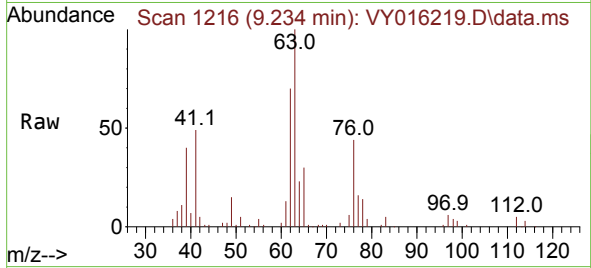




#45  
1,2-Dichloropropane  
Concen: 21.391 ug/l  
RT: 9.234 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY016219.D  
Acq: 03 Nov 2023 18:47

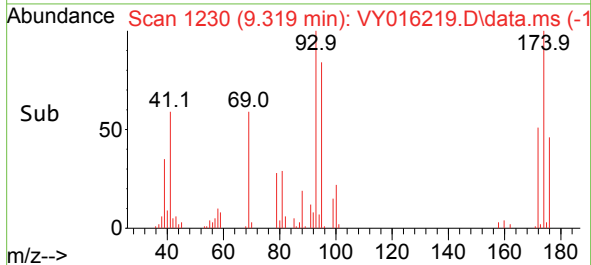
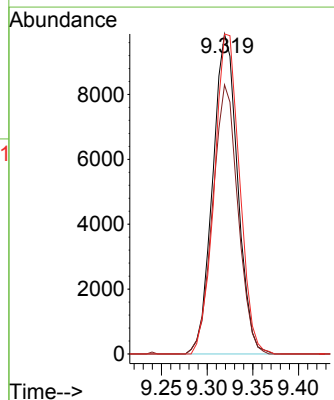
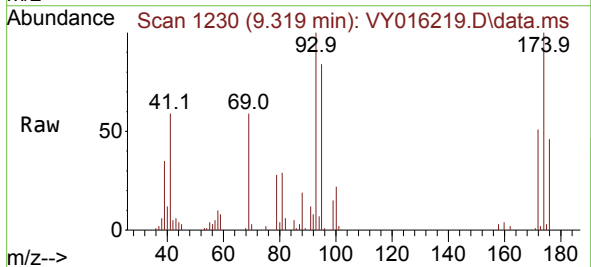
Instrument :  
MSVOA\_Y  
ClientSampleId :

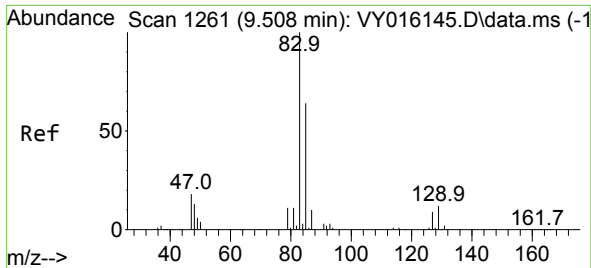
Tgt Ion: 63 Resp: 33087  
Ion Ratio Lower Upper  
63 100  
65 29.8 23.8 35.6



#46  
Dibromomethane  
Concen: 21.344 ug/l  
RT: 9.319 min Scan# 1230  
Delta R.T. 0.006 min  
Lab File: VY016219.D  
Acq: 03 Nov 2023 18:47

Tgt Ion: 93 Resp: 18728  
Ion Ratio Lower Upper  
93 100  
95 85.0 66.6 100.0  
174 101.1 84.8 127.2

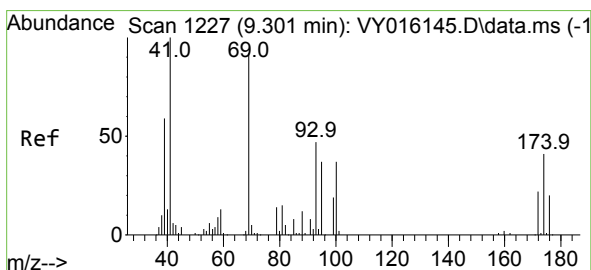
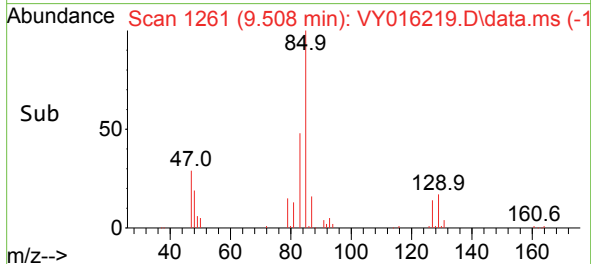
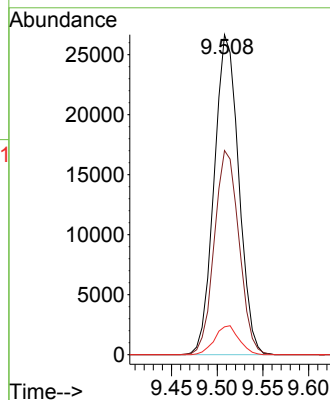
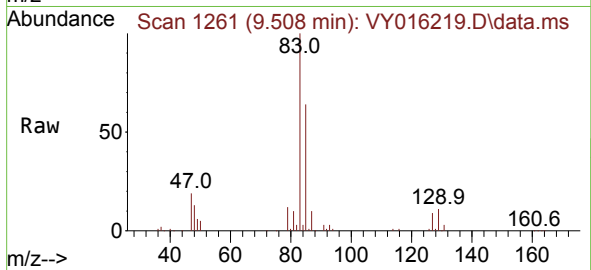




#47  
Bromodichloromethane  
Concen: 22.309 ug/l  
RT: 9.508 min Scan# 1261  
Delta R.T. -0.000 min  
Lab File: VY016219.D  
Acq: 03 Nov 2023 18:47

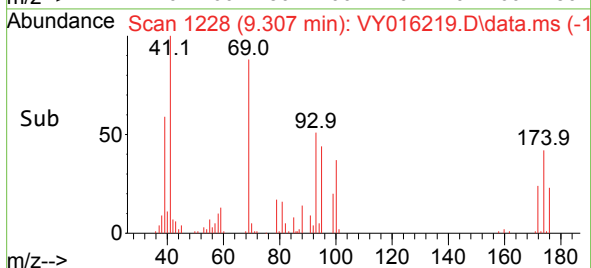
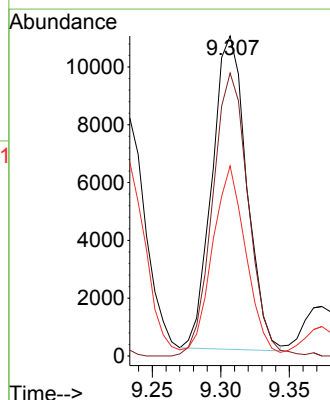
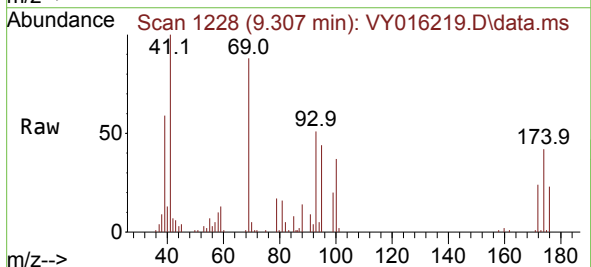
Instrument :  
MSVOA\_Y  
ClientSampleId :

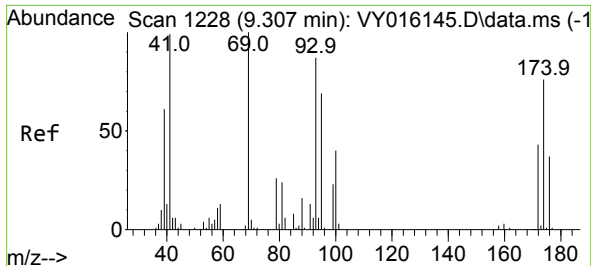
Tgt Ion: 83 Resp: 49736  
Ion Ratio Lower Upper  
83 100  
85 63.8 50.1 75.1  
127 8.7 7.1 10.7



#48  
Methyl methacrylate  
Concen: 21.238 ug/l  
RT: 9.307 min Scan# 1228  
Delta R.T. 0.006 min  
Lab File: VY016219.D  
Acq: 03 Nov 2023 18:47

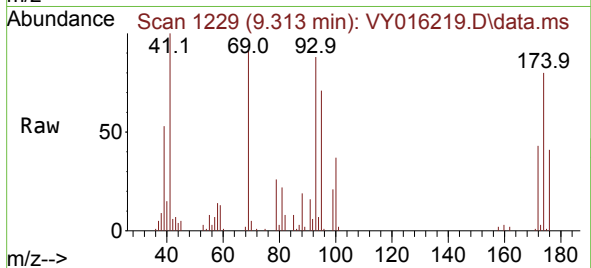
Tgt Ion: 41 Resp: 19056  
Ion Ratio Lower Upper  
41 100  
69 93.7 64.5 96.7  
39 59.2 50.8 76.2



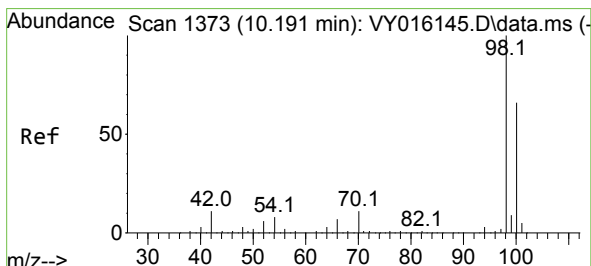
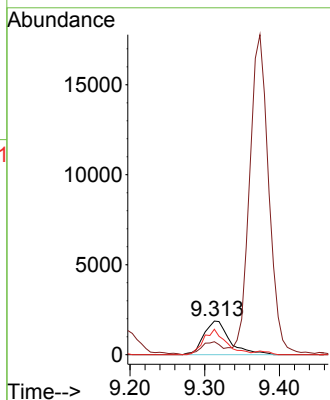
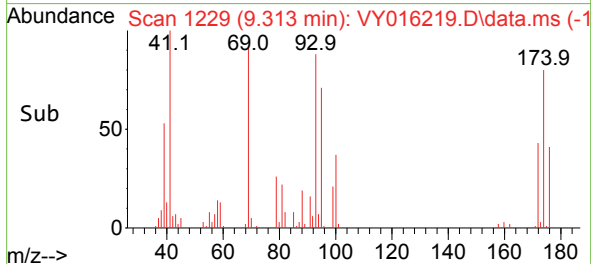


#49  
1,4-Dioxane  
Concen: 360.606 ug/l  
RT: 9.313 min Scan# 1229  
Delta R.T. 0.006 min  
Lab File: VY016219.D  
Acq: 03 Nov 2023 18:47

Instrument :  
MSVOA\_Y  
ClientSampleId :

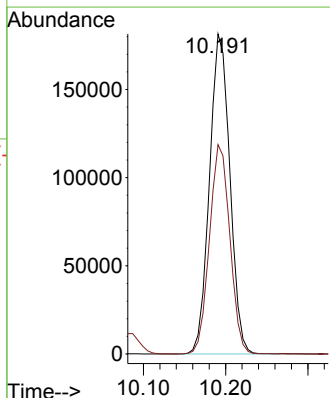
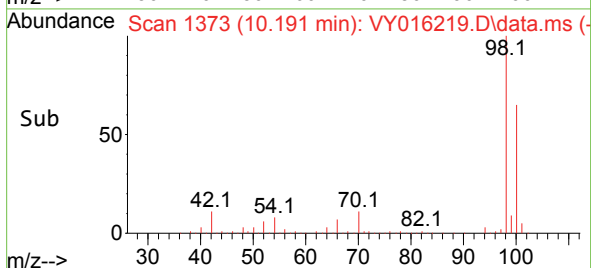
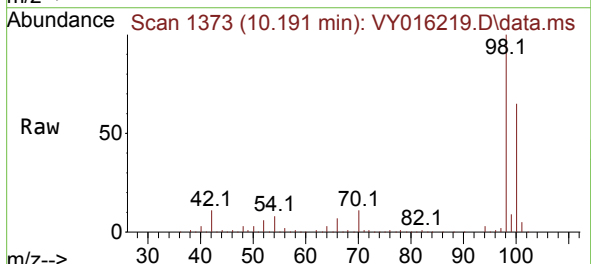


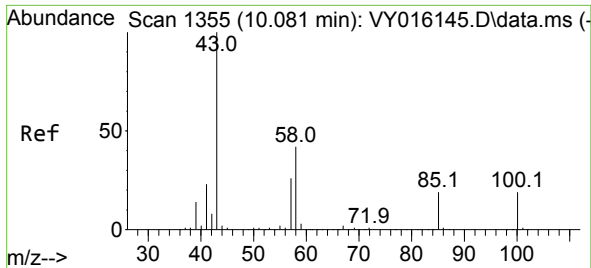
Tgt Ion: 88 Resp: 4539  
Ion Ratio Lower Upper  
88 100  
43 29.1 0.0 0.0#  
58 64.8 30.9 46.3#



#50  
Toluene-d8  
Concen: 50.796 ug/l  
RT: 10.191 min Scan# 1373  
Delta R.T. -0.000 min  
Lab File: VY016219.D  
Acq: 03 Nov 2023 18:47

Tgt Ion: 98 Resp: 312373  
Ion Ratio Lower Upper  
98 100  
100 65.5 50.1 75.1

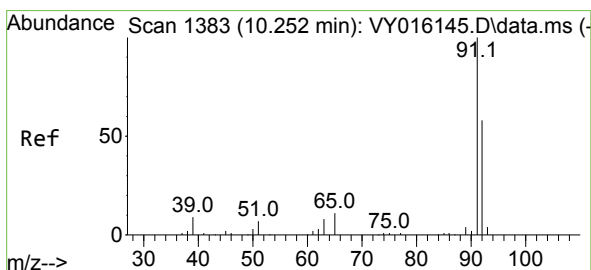
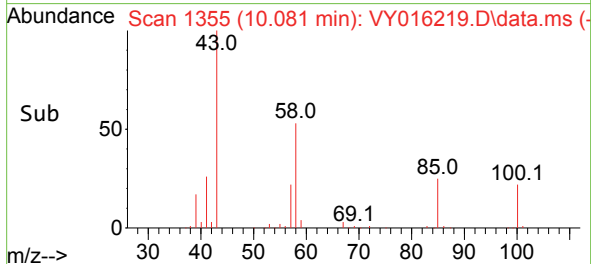
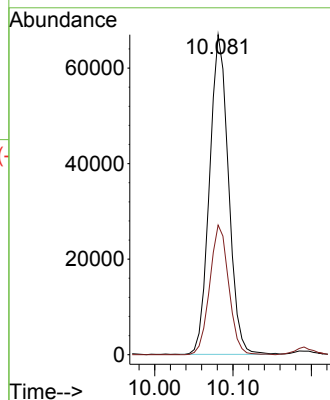
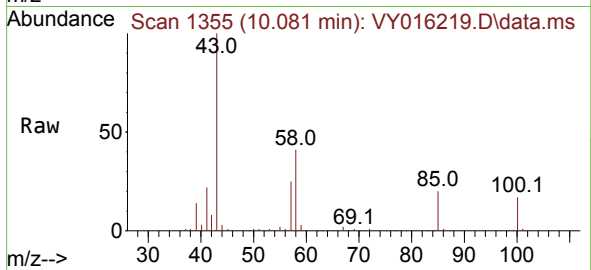




#51  
4-Methyl-2-Pentanone  
Concen: 114.314 ug/l  
RT: 10.081 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY016219.D  
Acq: 03 Nov 2023 18:47

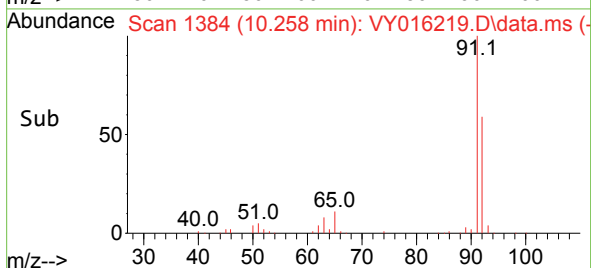
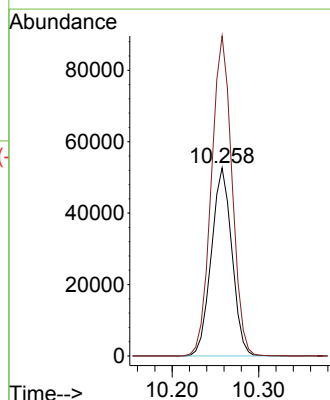
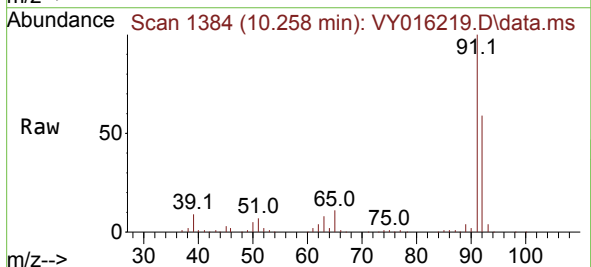
Instrument :  
MSVOA\_Y  
ClientSampleId :

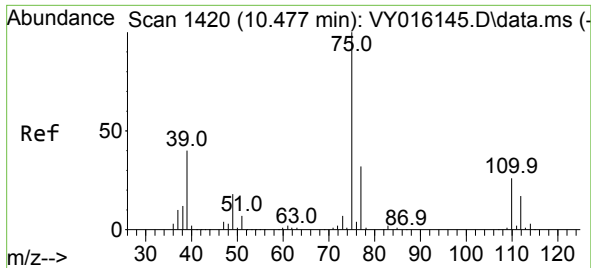
Tgt Ion: 43 Resp: 112549  
Ion Ratio Lower Upper  
43 100  
58 40.5 29.0 43.6



#52  
Toluene  
Concen: 20.825 ug/l  
RT: 10.258 min Scan# 1384  
Delta R.T. 0.006 min  
Lab File: VY016219.D  
Acq: 03 Nov 2023 18:47

Tgt Ion: 92 Resp: 86767  
Ion Ratio Lower Upper  
92 100  
91 171.1 143.8 215.6

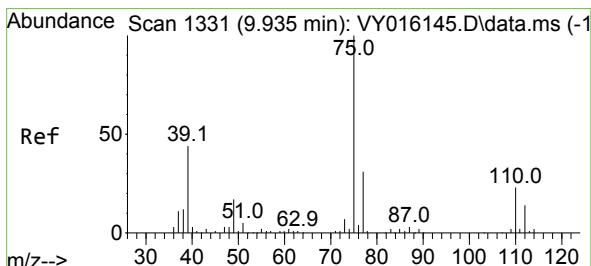
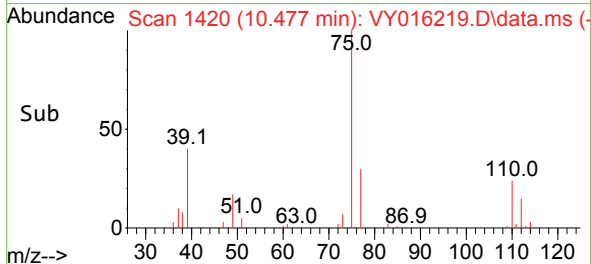
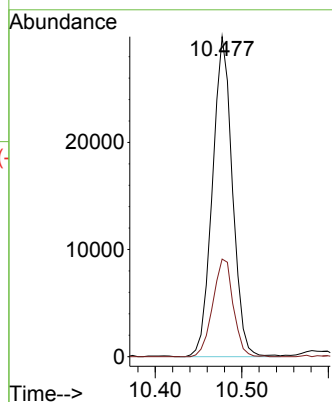
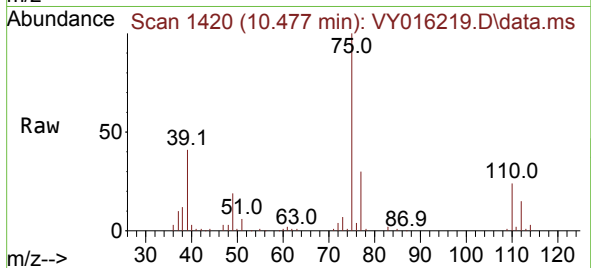




#53  
 t-1,3-Dichloropropene  
 Concen: 21.535 ug/l  
 RT: 10.477 min Scan# 1420  
 Delta R.T. -0.000 min  
 Lab File: VY016219.D  
 Acq: 03 Nov 2023 18:47

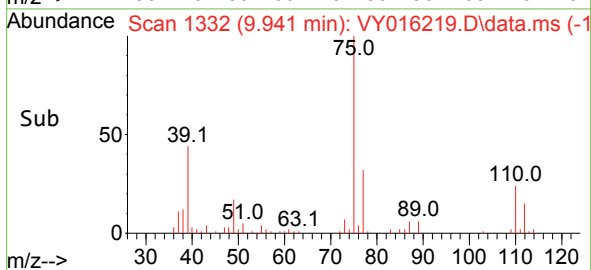
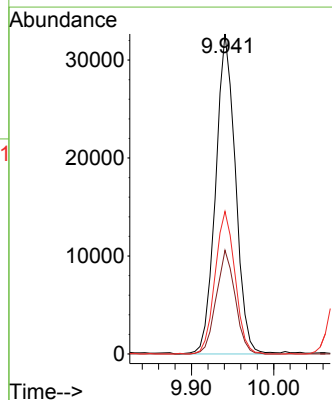
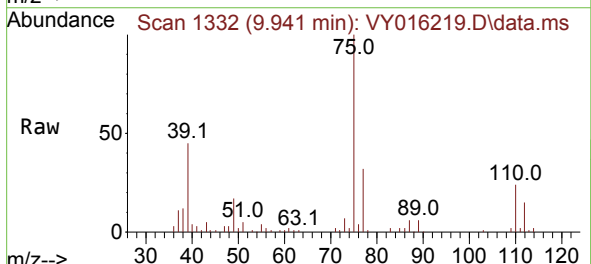
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

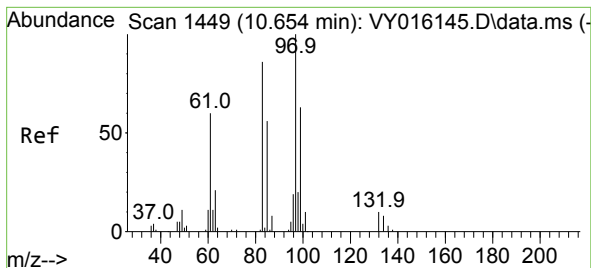
Tgt Ion: 75 Resp: 47927  
 Ion Ratio Lower Upper  
 75 100  
 77 30.5 25.0 37.4



#54  
 cis-1,3-Dichloropropene  
 Concen: 21.022 ug/l  
 RT: 9.941 min Scan# 1332  
 Delta R.T. 0.006 min  
 Lab File: VY016219.D  
 Acq: 03 Nov 2023 18:47

Tgt Ion: 75 Resp: 54898  
 Ion Ratio Lower Upper  
 75 100  
 77 32.4 24.2 36.4  
 39 44.5 42.2 63.4





#55

1,1,2-Trichloroethane

Concen: 21.987 ug/l

RT: 10.654 min Scan# 1449

Delta R.T. -0.000 min

Lab File: VY016219.D

Acq: 03 Nov 2023 18:47

Instrument :

MSVOA\_Y

ClientSampleId :

Tgt Ion: 97 Resp: 27138

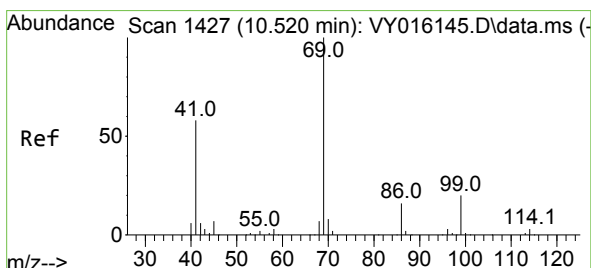
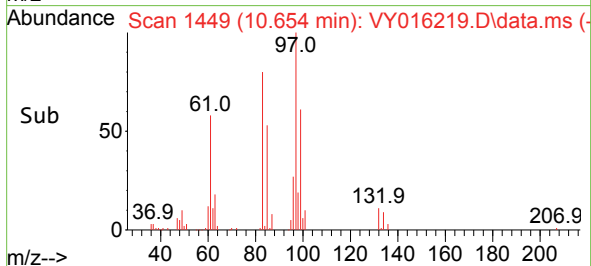
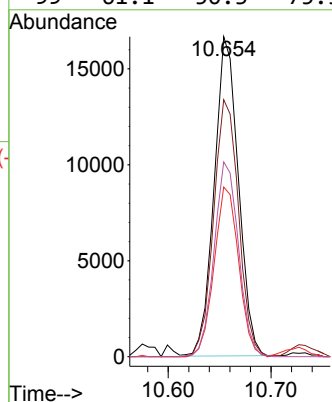
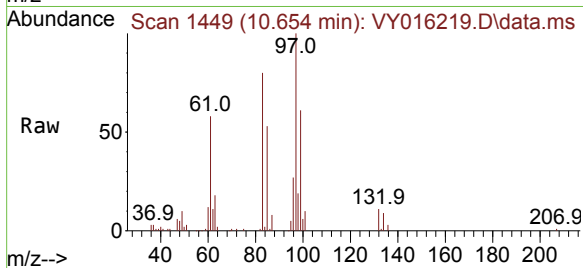
Ion Ratio Lower Upper

97 100

83 80.6 72.0 108.0

85 53.2 45.4 68.0

99 61.1 50.3 75.5



#56

Ethyl methacrylate

Concen: 21.571 ug/l

RT: 10.520 min Scan# 1427

Delta R.T. -0.000 min

Lab File: VY016219.D

Acq: 03 Nov 2023 18:47

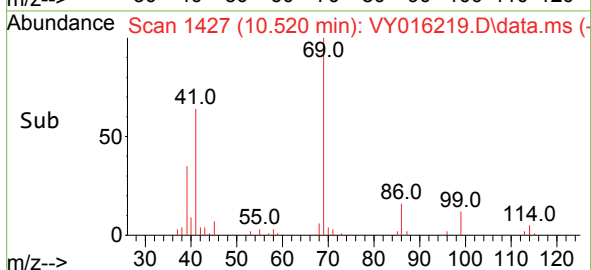
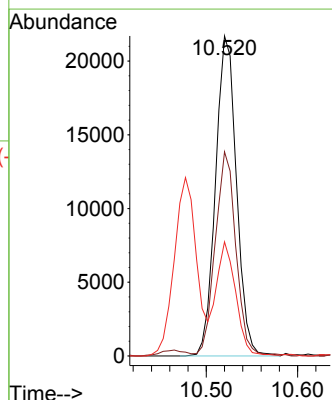
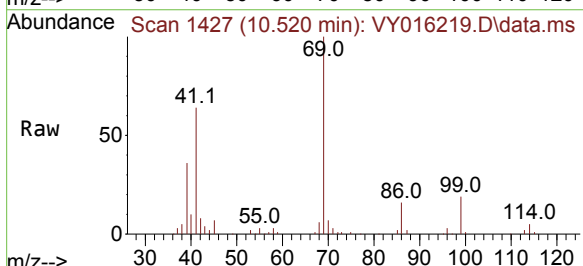
Tgt Ion: 69 Resp: 34577

Ion Ratio Lower Upper

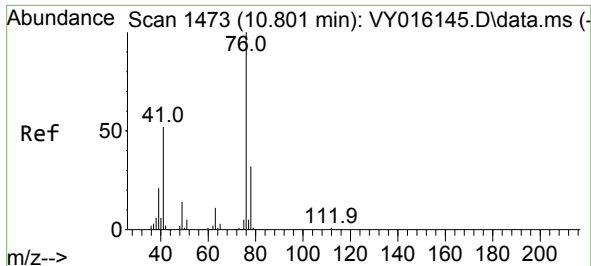
69 100

41 63.3 57.6 86.4

39 32.6 34.1 51.1#







#57

1,3-Dichloropropane

Concen: 21.419 ug/l

RT: 10.800 min Scan# 1473

Delta R.T. -0.000 min

Lab File: VY016219.D

Acq: 03 Nov 2023 18:47

Instrument :

MSVOA\_Y

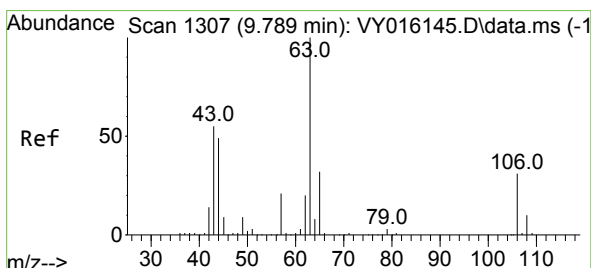
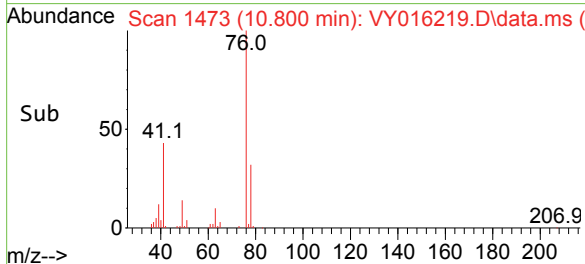
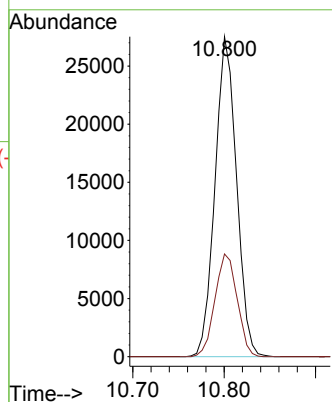
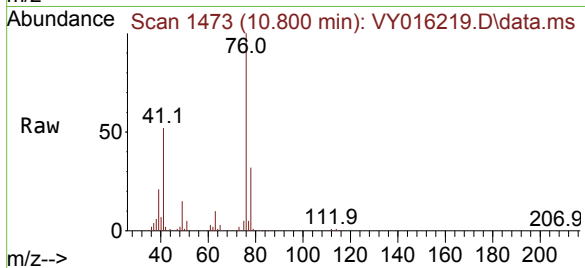
ClientSampleId :

Tgt Ion: 76 Resp: 45006

Ion Ratio Lower Upper

76 100

78 33.1 25.3 37.9



#58

2-Chloroethyl Vinyl ether

Concen: 108.745 ug/l

RT: 9.794 min Scan# 1308

Delta R.T. 0.006 min

Lab File: VY016219.D

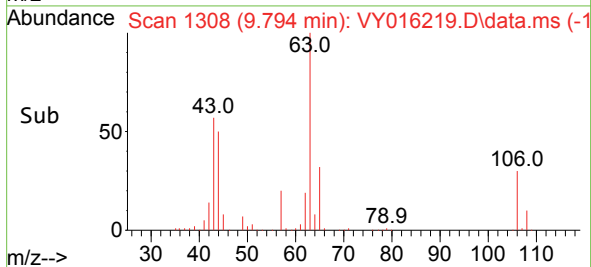
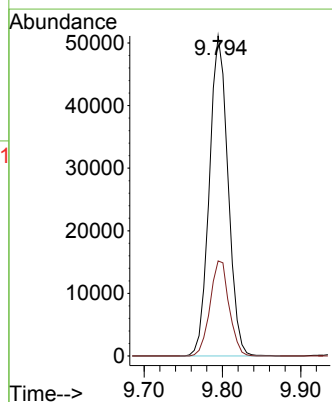
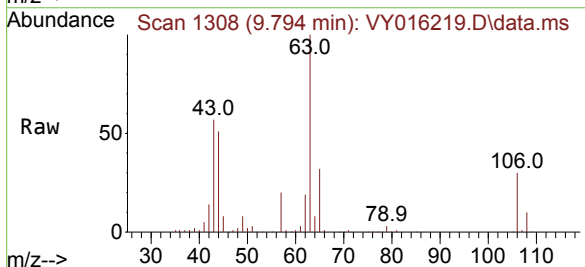
Acq: 03 Nov 2023 18:47

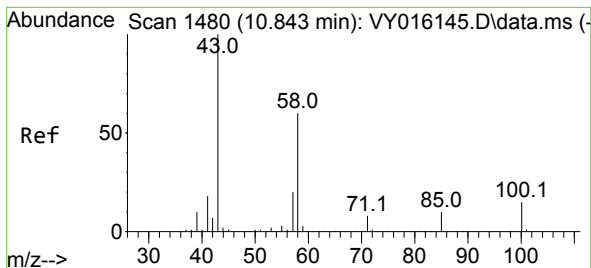
Tgt Ion: 63 Resp: 84524

Ion Ratio Lower Upper

63 100

106 30.2 21.2 31.8





#59

2-Hexanone

Concen: 114.321 ug/l

RT: 10.843 min Scan# 1480

Delta R.T. -0.000 min

Lab File: VY016219.D

Acq: 03 Nov 2023 18:47

Instrument :

MSVOA\_Y

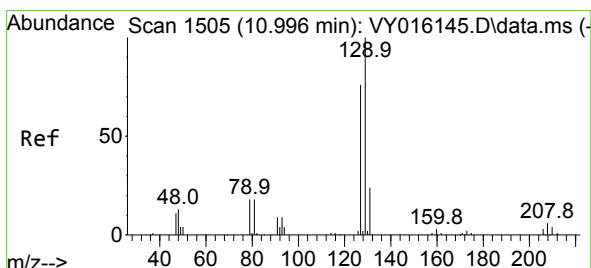
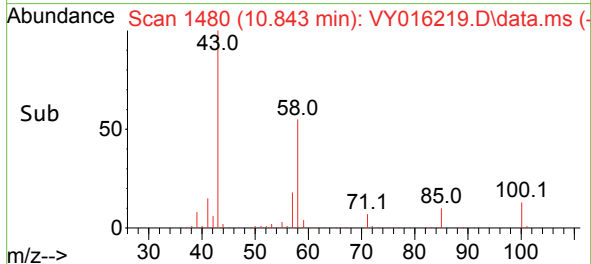
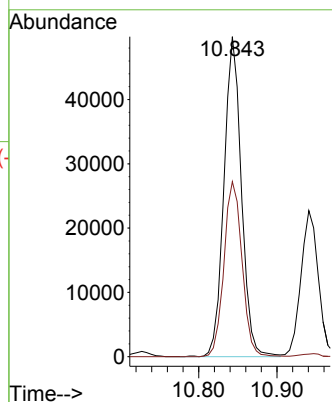
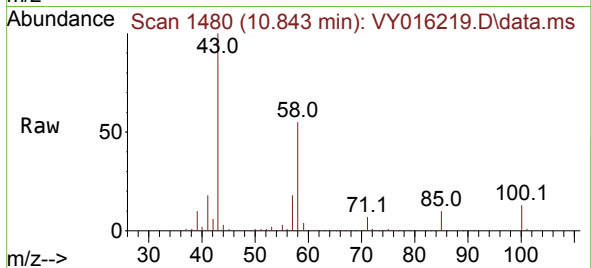
ClientSampleId :

Tgt Ion: 43 Resp: 77130

Ion Ratio Lower Upper

43 100

58 56.7 25.1 75.3



#60

Dibromochloromethane

Concen: 21.966 ug/l

RT: 10.995 min Scan# 1505

Delta R.T. -0.000 min

Lab File: VY016219.D

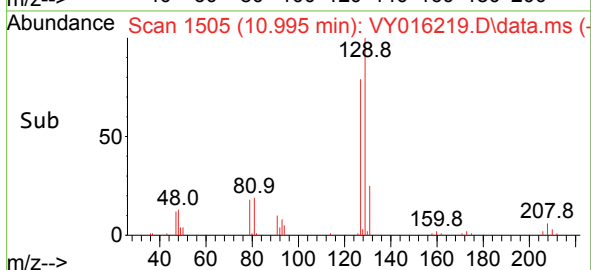
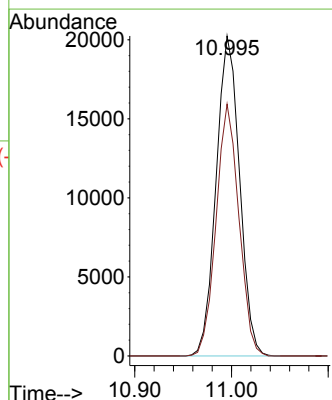
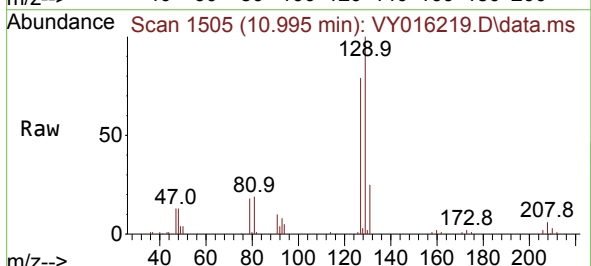
Acq: 03 Nov 2023 18:47

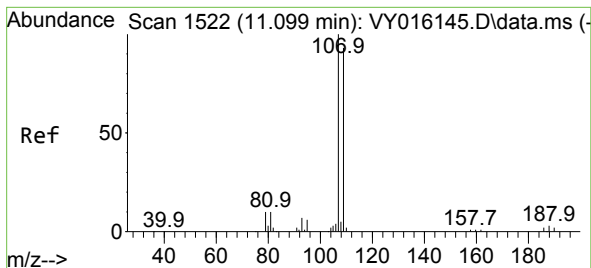
Tgt Ion: 129 Resp: 34013

Ion Ratio Lower Upper

129 100

127 76.6 38.5 115.5

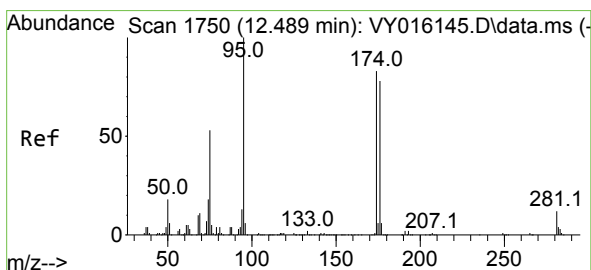
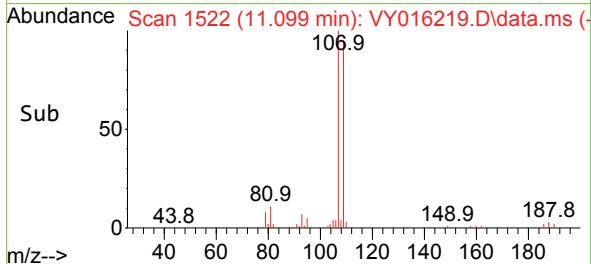
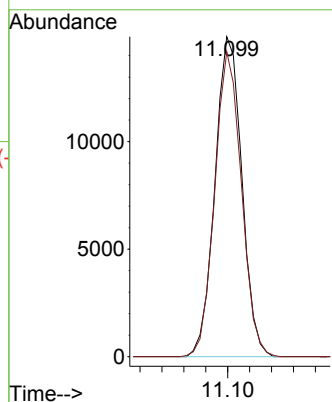
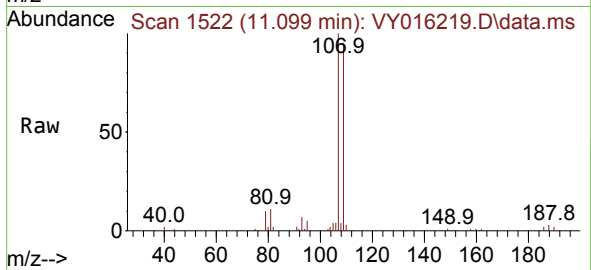




#61  
1,2-Dibromoethane  
Concen: 21.576 ug/l  
RT: 11.099 min Scan# 1522  
Delta R.T. -0.000 min  
Lab File: VY016219.D  
Acq: 03 Nov 2023 18:47

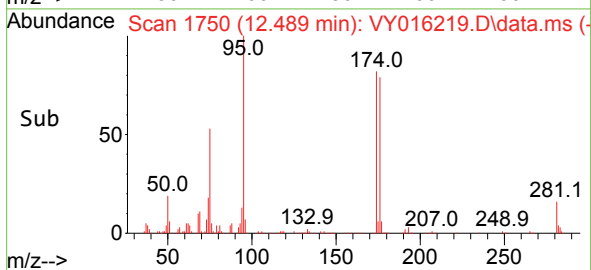
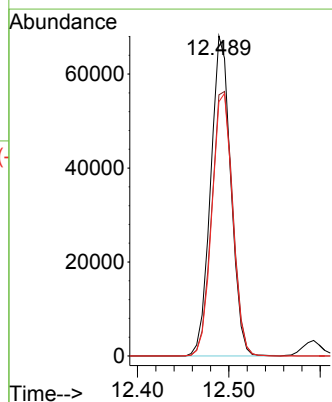
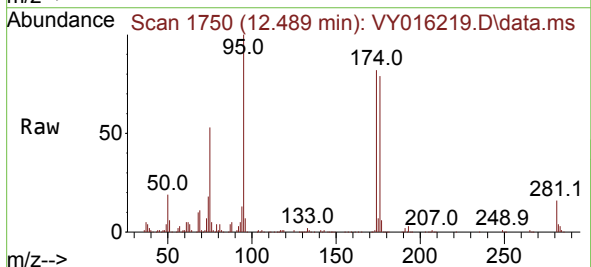
Instrument :  
MSVOA\_Y  
ClientSampleId :

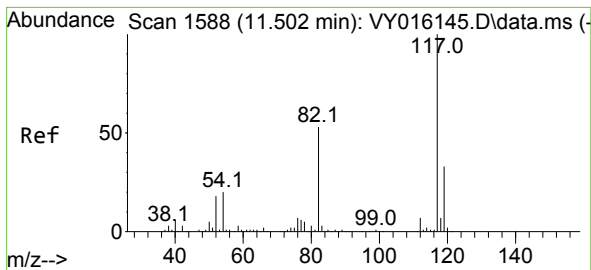
Tgt Ion:107 Resp: 25330  
Ion Ratio Lower Upper  
107 100  
109 94.5 75.6 113.4



#62  
4-Bromofluorobenzene  
Concen: 49.557 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. -0.000 min  
Lab File: VY016219.D  
Acq: 03 Nov 2023 18:47

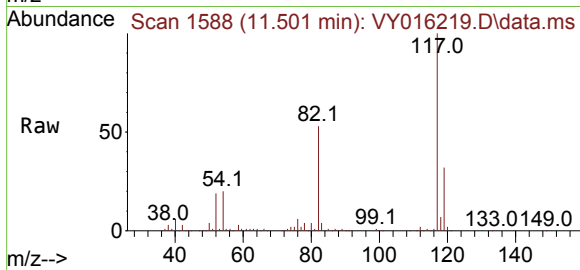
Tgt Ion: 95 Resp: 104208  
Ion Ratio Lower Upper  
95 100  
174 86.9 0.0 178.2  
176 84.3 0.0 173.8



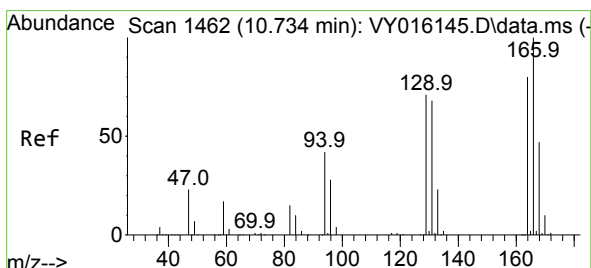
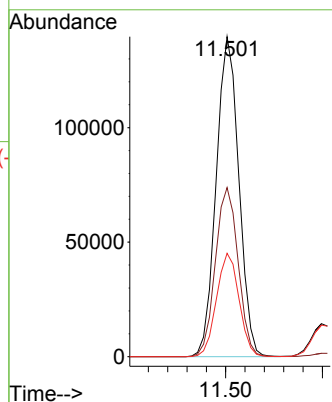
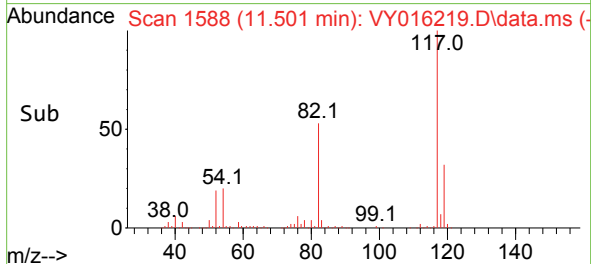


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.501 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY016219.D  
Acq: 03 Nov 2023 18:47

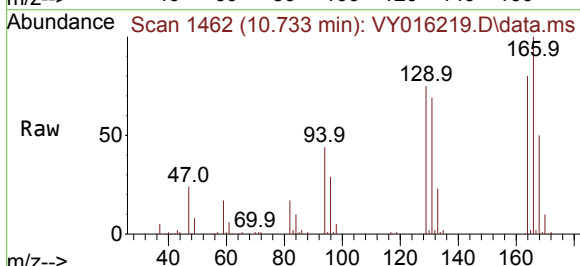
Instrument :  
MSVOA\_Y  
ClientSampleId :



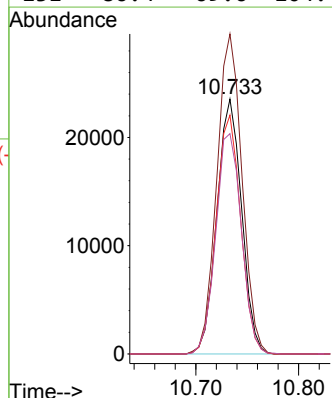
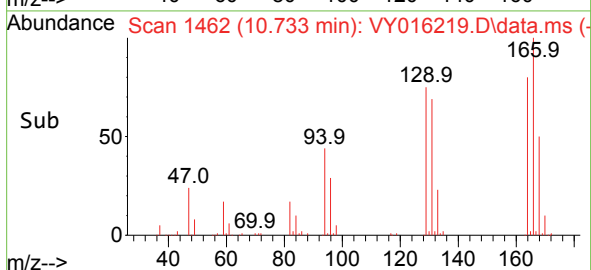
Tgt Ion:117 Resp: 226827  
Ion Ratio Lower Upper  
117 100  
82 52.9 43.4 65.0  
119 32.3 26.3 39.5

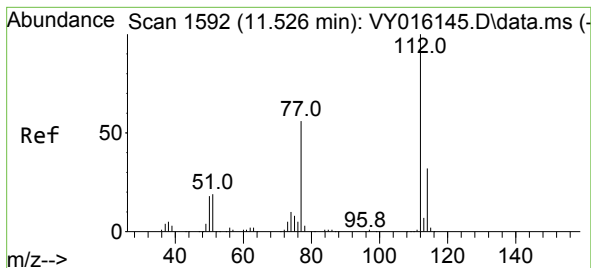


#64  
Tetrachloroethene  
Concen: 19.531 ug/l  
RT: 10.733 min Scan# 1462  
Delta R.T. -0.000 min  
Lab File: VY016219.D  
Acq: 03 Nov 2023 18:47



Tgt Ion:164 Resp: 39406  
Ion Ratio Lower Upper  
164 100  
166 125.6 103.0 154.6  
129 93.7 77.2 115.8  
131 86.4 69.6 104.4





#65

Chlorobenzene

Concen: 20.661 ug/l

RT: 11.526 min Scan# 1592

Delta R.T. -0.000 min

Lab File: VY016219.D

Acq: 03 Nov 2023 18:47

Instrument :

MSVOA\_Y

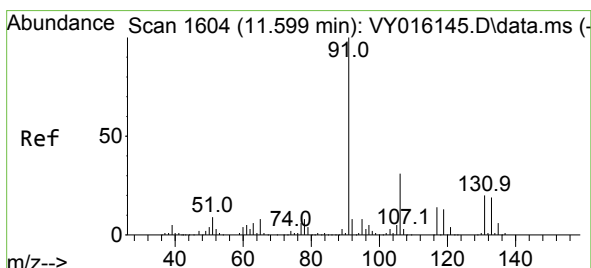
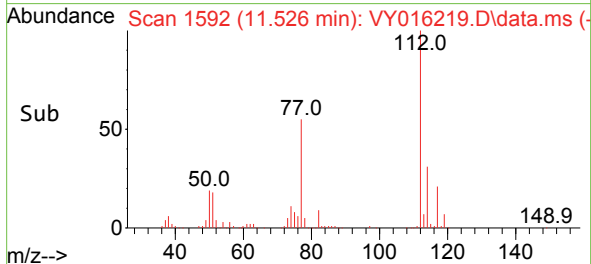
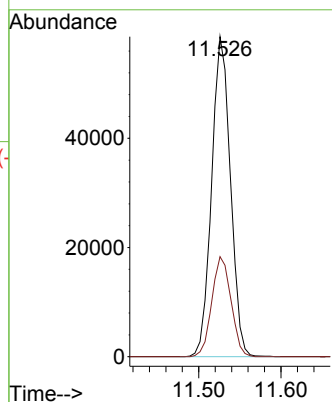
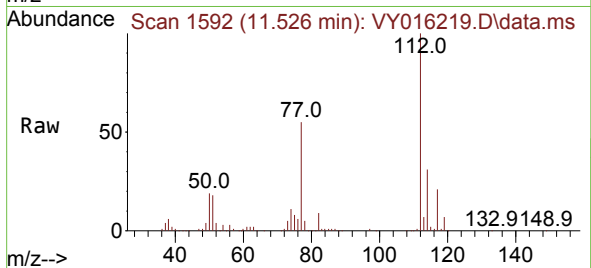
ClientSampleId :

Tgt Ion:112 Resp: 93109

Ion Ratio Lower Upper

112 100

114 31.3 25.5 38.3



#66

1,1,1,2-Tetrachloroethane

Concen: 21.117 ug/l

RT: 11.599 min Scan# 1604

Delta R.T. -0.000 min

Lab File: VY016219.D

Acq: 03 Nov 2023 18:47

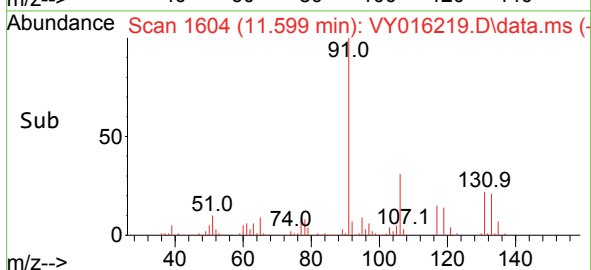
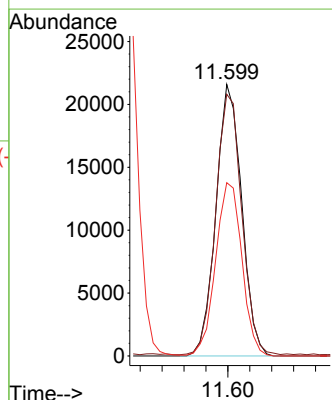
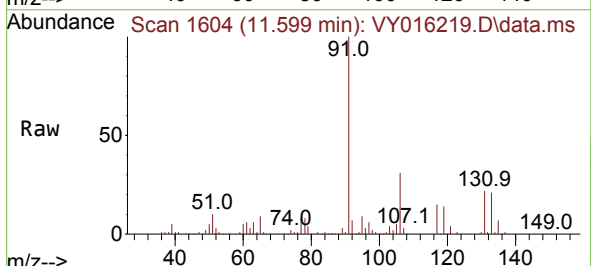
Tgt Ion:131 Resp: 35248

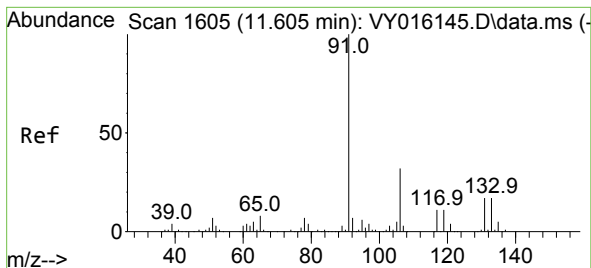
Ion Ratio Lower Upper

131 100

133 97.3 47.5 142.6

119 65.2 31.6 94.7





#67

Ethyl Benzene

Concen: 20.407 ug/l

RT: 11.605 min Scan# 1605

Delta R.T. -0.000 min

Lab File: VY016219.D

Acq: 03 Nov 2023 18:47

Instrument :

MSVOA\_Y

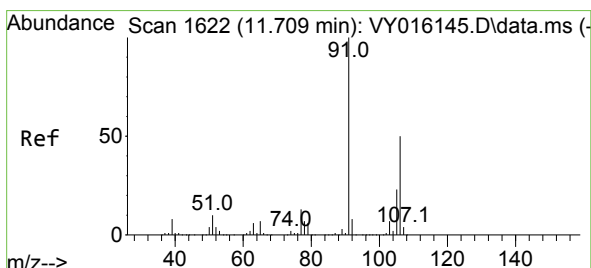
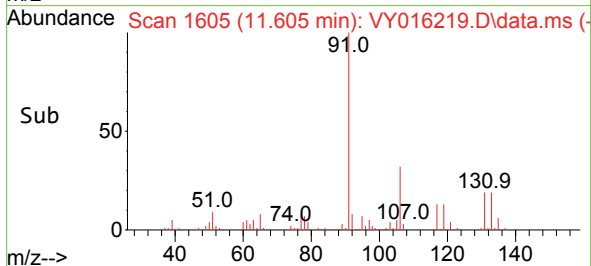
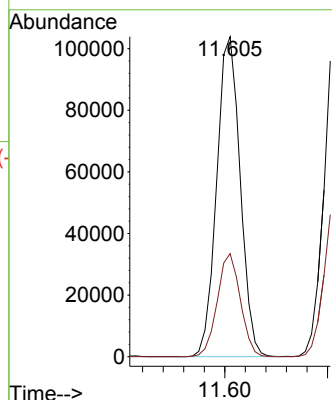
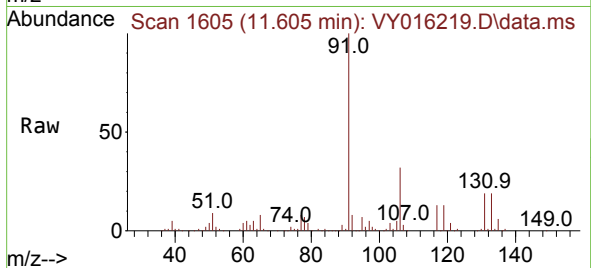
ClientSampleId :

Tgt Ion: 91 Resp: 164490

Ion Ratio Lower Upper

91 100

106 32.2 24.6 36.8



#68

m/p-Xylenes

Concen: 40.535 ug/l

RT: 11.715 min Scan# 1623

Delta R.T. 0.006 min

Lab File: VY016219.D

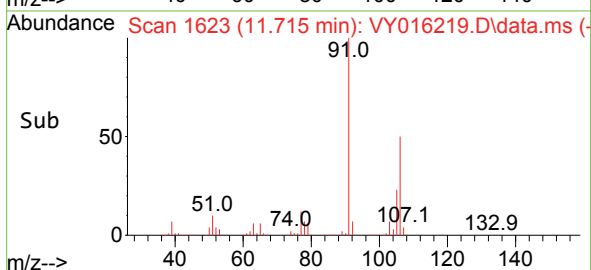
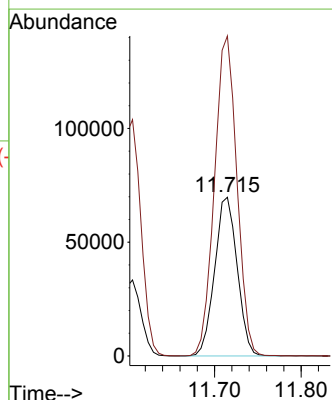
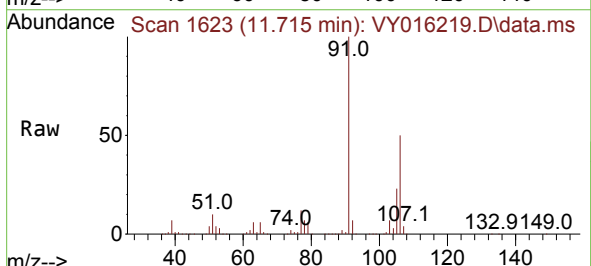
Acq: 03 Nov 2023 18:47

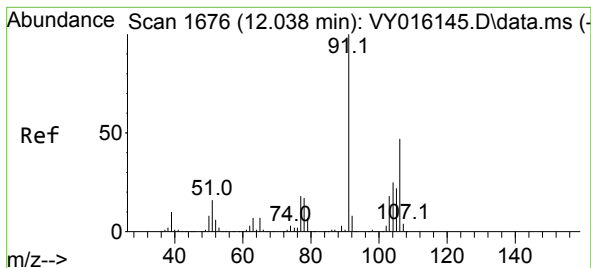
Tgt Ion:106 Resp: 126255

Ion Ratio Lower Upper

106 100

91 200.3 166.1 249.1





#69

o-Xylene

Concen: 20.059 ug/l

RT: 12.038 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VY016219.D

Acq: 03 Nov 2023 18:47

Instrument :

MSVOA\_Y

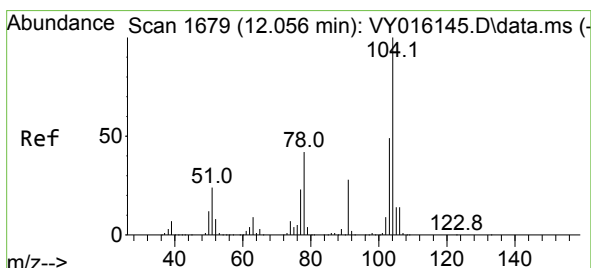
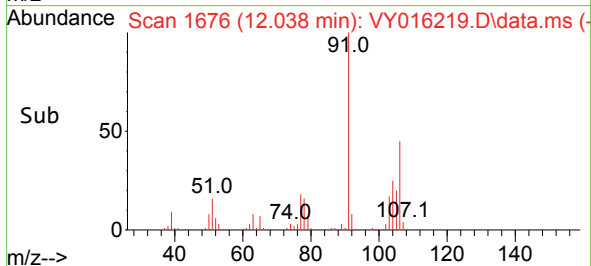
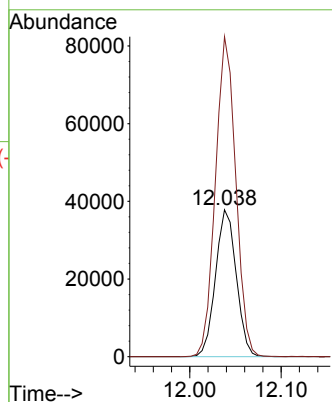
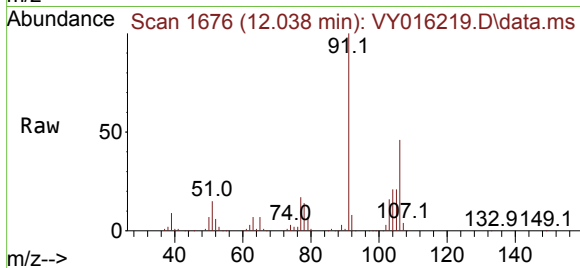
ClientSampleId :

Tgt Ion:106 Resp: 59653

Ion Ratio Lower Upper

106 100

91 214.0 108.1 324.3



#70

Styrene

Concen: 20.777 ug/l

RT: 12.056 min Scan# 1679

Delta R.T. -0.000 min

Lab File: VY016219.D

Acq: 03 Nov 2023 18:47

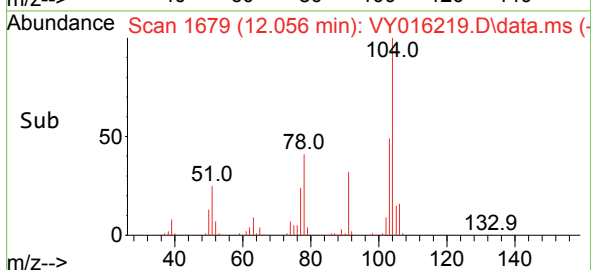
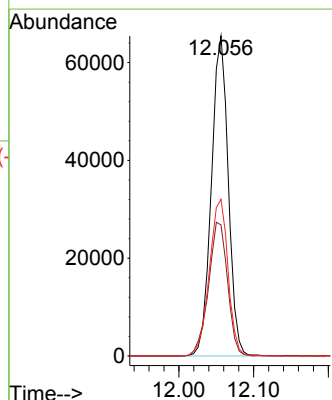
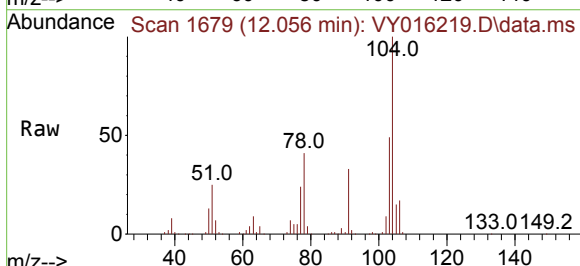
Tgt Ion:104 Resp: 102717

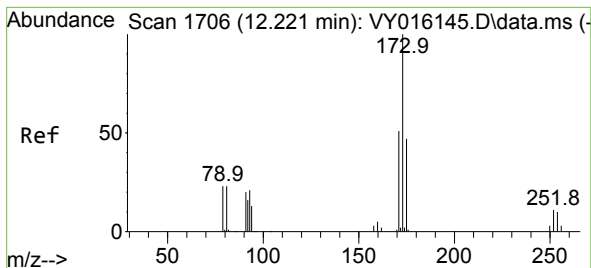
Ion Ratio Lower Upper

104 100

78 47.0 41.5 62.3

103 54.2 44.6 67.0





#71

Bromoform

Concen: 21.942 ug/l

RT: 12.221 min Scan# 1706

Delta R.T. -0.000 min

Lab File: VY016219.D

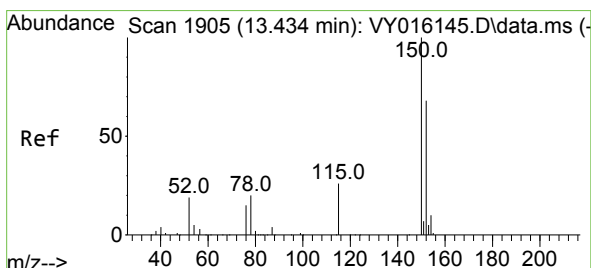
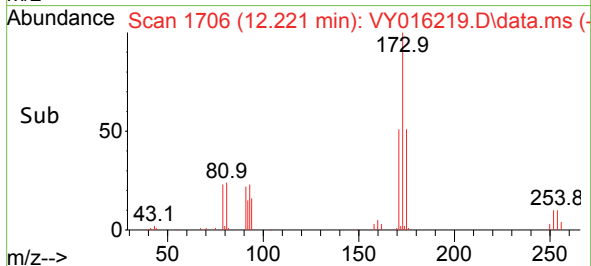
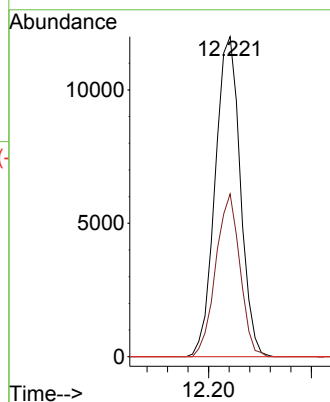
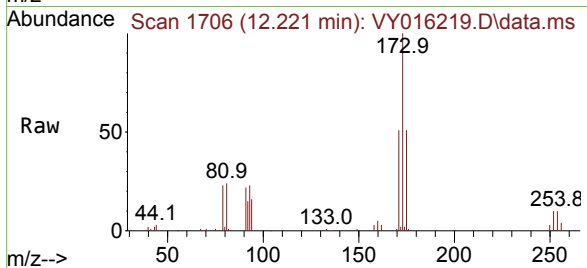
Acq: 03 Nov 2023 18:47

Instrument :

MSVOA\_Y

ClientSampleId :

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 173   | Resp: | 20318 |
| Ion Ratio | Lower | Upper |       |
| 173       | 100   |       |       |
| 175       | 48.9  | 24.6  | 73.8  |
| 254       | 0.0   | 0.2   | 0.2#  |



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

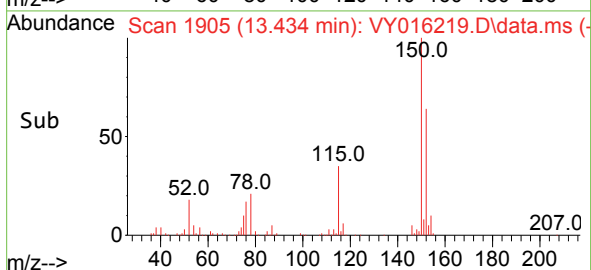
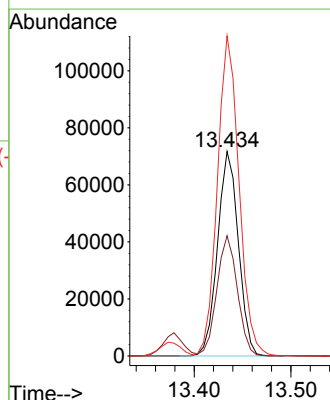
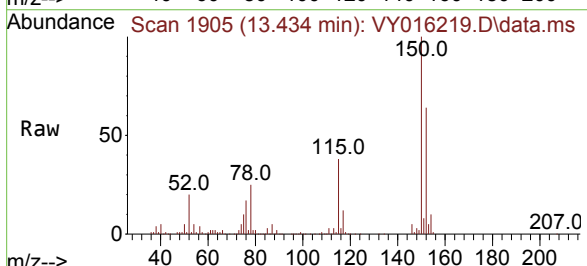
RT: 13.434 min Scan# 1905

Delta R.T. -0.000 min

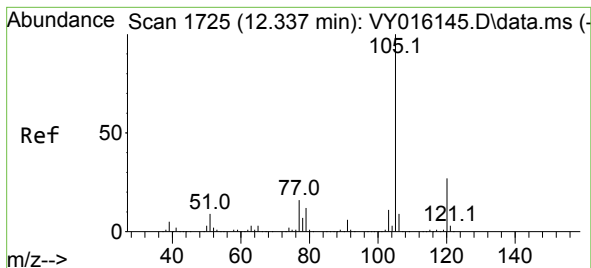
Lab File: VY016219.D

Acq: 03 Nov 2023 18:47

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 107139 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 115       | 57.7  | 28.8  | 86.5   |
| 150       | 162.6 | 0.0   | 348.8  |







#73

Isopropylbenzene

Concen: 20.118 ug/l

RT: 12.337 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY016219.D

Acq: 03 Nov 2023 18:47

Instrument :

MSVOA\_Y

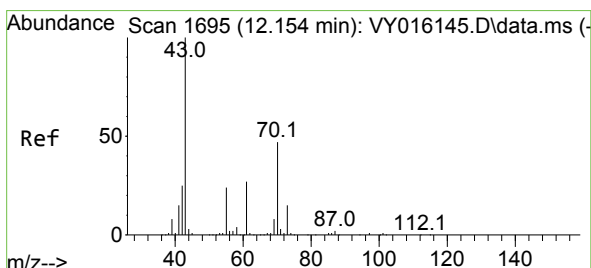
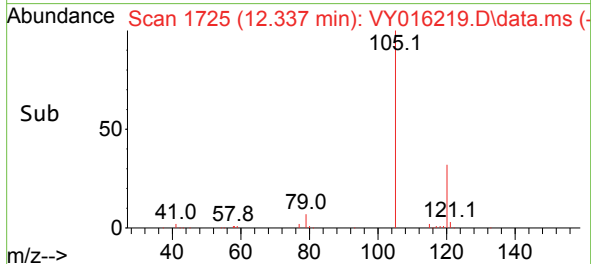
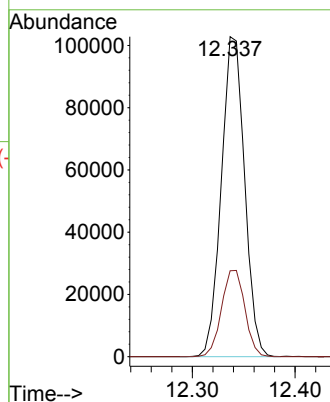
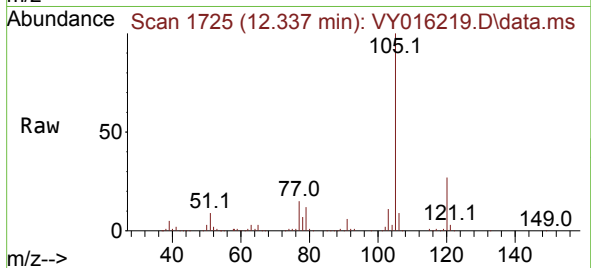
ClientSampleId :

Tgt Ion:105 Resp: 161685

Ion Ratio Lower Upper

105 100

120 27.0 13.3 39.9



#74

N-ethyl acetate

Concen: 20.643 ug/l

RT: 12.154 min Scan# 1695

Delta R.T. -0.000 min

Lab File: VY016219.D

Acq: 03 Nov 2023 18:47

Tgt Ion: 43 Resp: 36051

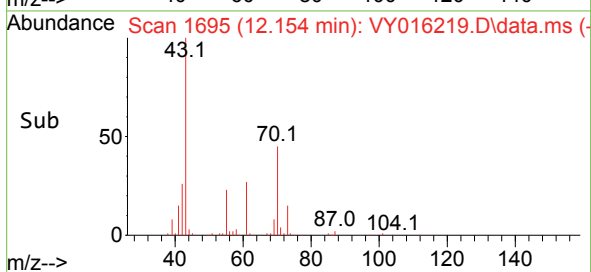
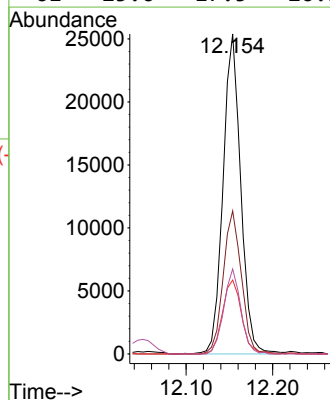
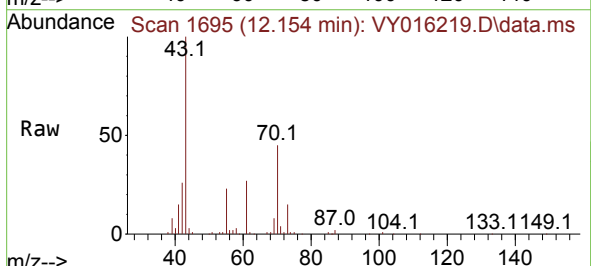
Ion Ratio Lower Upper

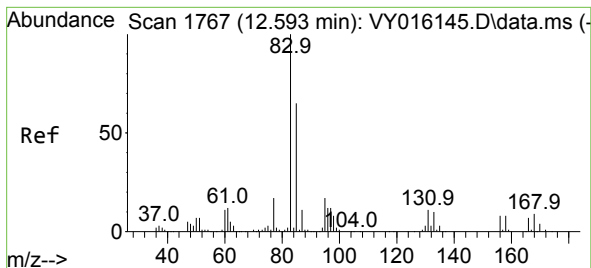
43 100

70 45.9 29.7 44.5#

55 24.8 18.3 27.5

61 25.6 17.5 26.3





#75

1,1,2,2-Tetrachloroethane

Concen: 22.235 ug/l

RT: 12.593 min Scan# 1767

Delta R.T. -0.000 min

Lab File: VY016219.D

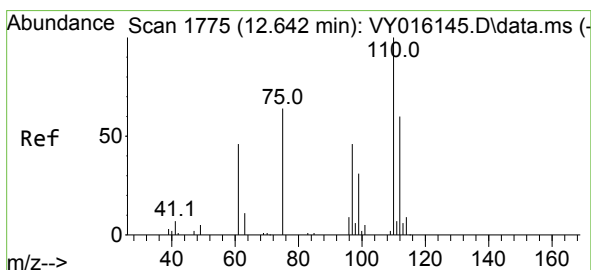
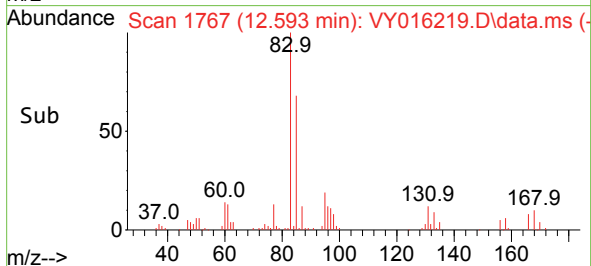
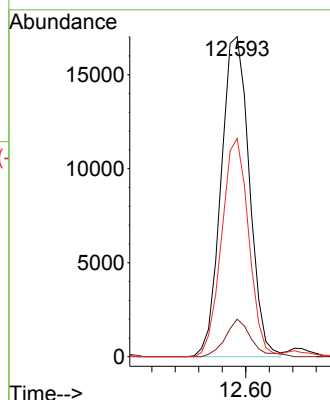
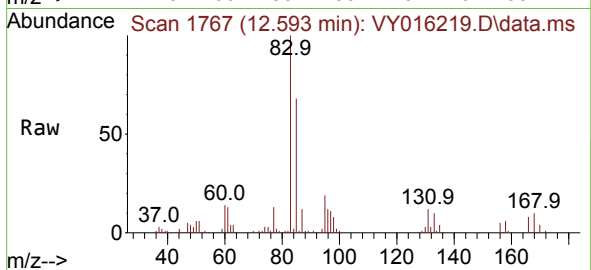
Acq: 03 Nov 2023 18:47

Instrument :

MSVOA\_Y

ClientSampleId :

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 83    | Resp: | 28435 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 10.7  | 5.4   | 16.2  |
| 85        | 65.4  | 31.8  | 95.4  |



#76

1,2,3-Trichloropropane

Concen: 38.023 ug/l

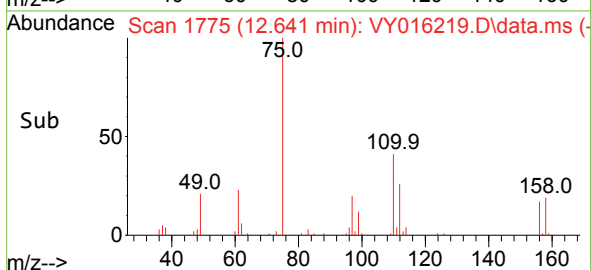
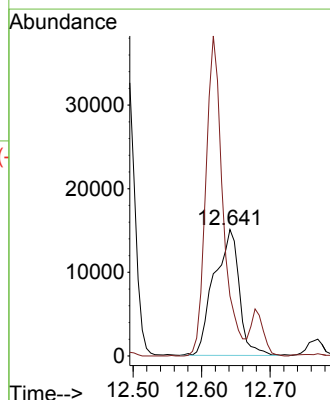
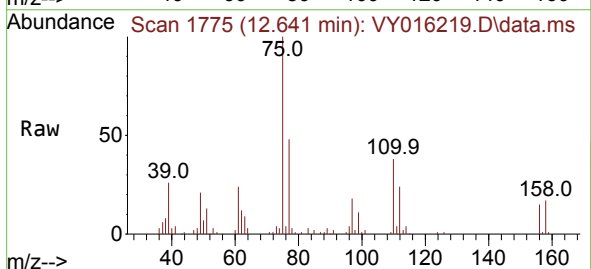
RT: 12.641 min Scan# 1775

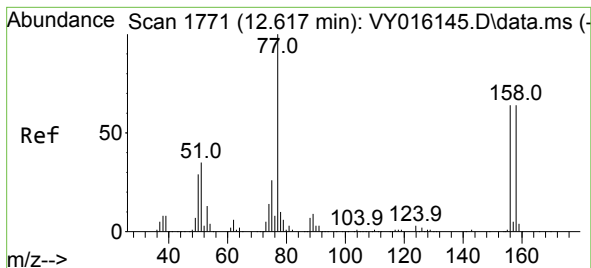
Delta R.T. -0.000 min

Lab File: VY016219.D

Acq: 03 Nov 2023 18:47

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 38363 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 0.0   | 0.0   | 0.0   |





#77

Bromobenzene

Concen: 20.909 ug/l

RT: 12.617 min Scan# 1771

Delta R.T. -0.000 min

Lab File: VY016219.D

Acq: 03 Nov 2023 18:47

Instrument :

MSVOA\_Y

ClientSampleId :

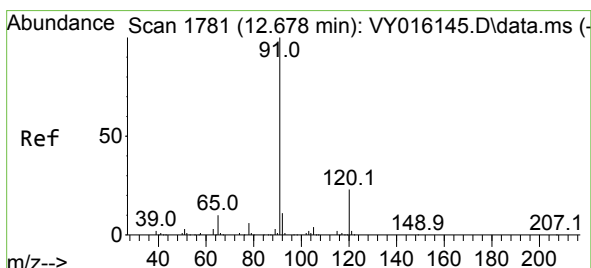
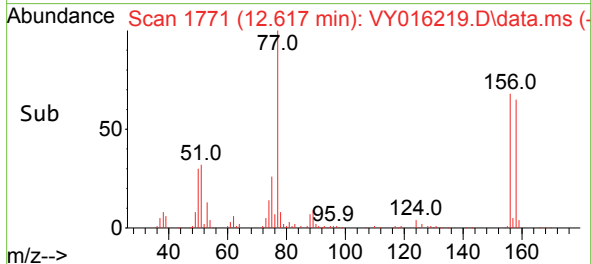
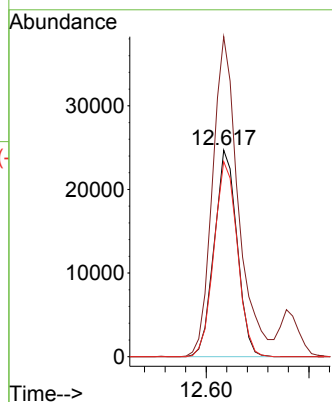
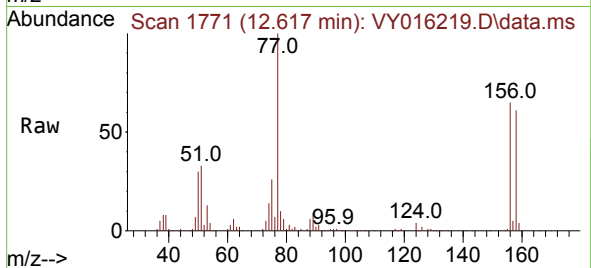
Tgt Ion:156 Resp: 38050

Ion Ratio Lower Upper

156 100

77 176.0 92.8 278.6

158 96.8 48.4 145.3



#78

n-propylbenzene

Concen: 20.491 ug/l

RT: 12.678 min Scan# 1781

Delta R.T. -0.000 min

Lab File: VY016219.D

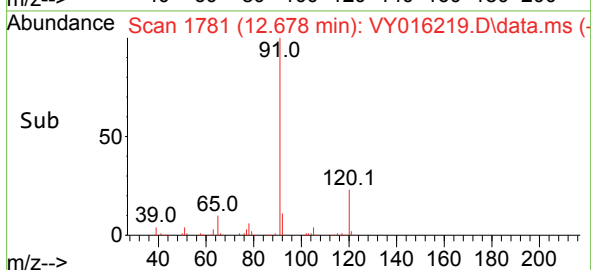
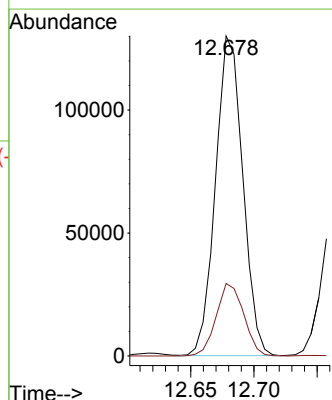
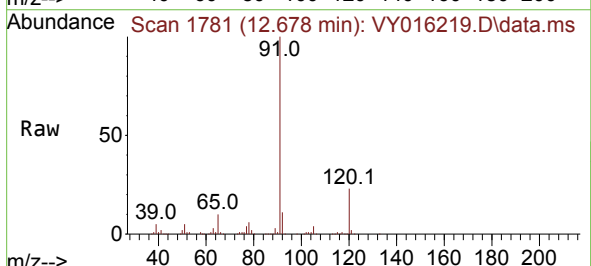
Acq: 03 Nov 2023 18:47

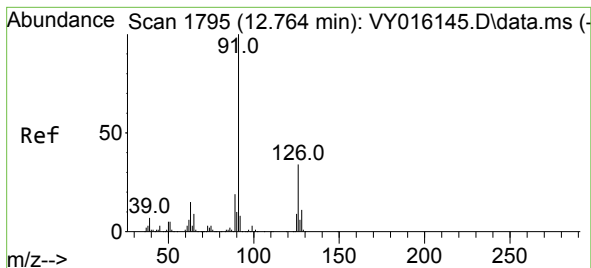
Tgt Ion: 91 Resp: 194693

Ion Ratio Lower Upper

91 100

120 22.9 11.5 34.4





#79

2-Chlorotoluene

Concen: 20.490 ug/l

RT: 12.763 min Scan# 1795

Delta R.T. -0.000 min

Lab File: VY016219.D

Acq: 03 Nov 2023 18:47

Instrument :

MSVOA\_Y

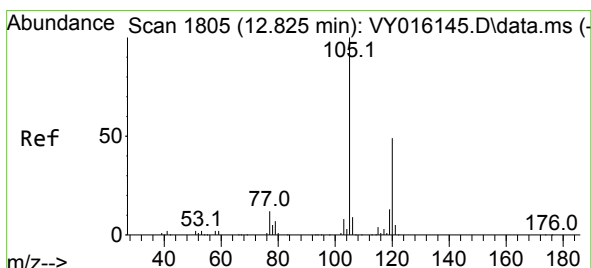
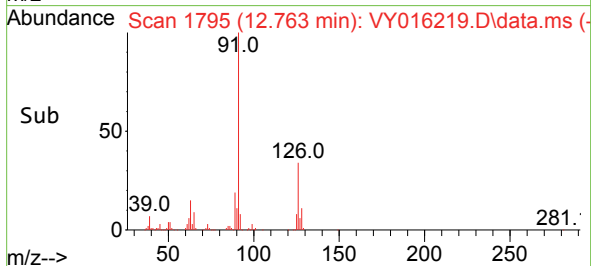
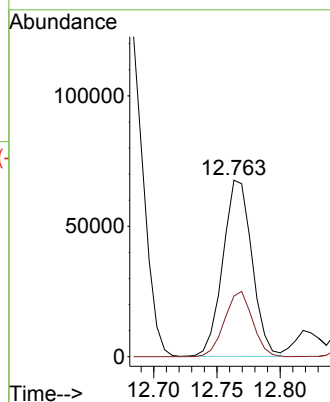
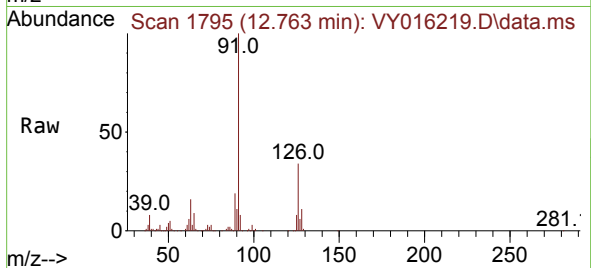
ClientSampleId :

Tgt Ion: 91 Resp: 108584

Ion Ratio Lower Upper

91 100

126 35.5 17.3 51.7



#80

1,3,5-Trimethylbenzene

Concen: 20.177 ug/l

RT: 12.824 min Scan# 1805

Delta R.T. -0.000 min

Lab File: VY016219.D

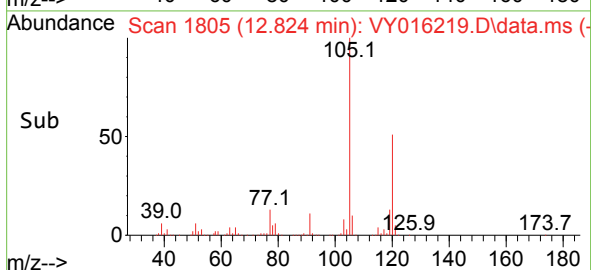
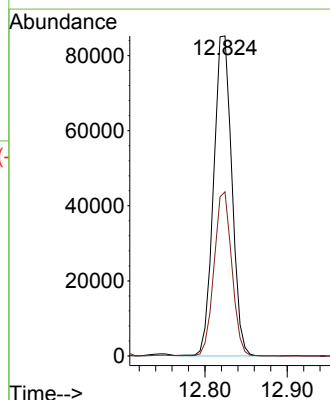
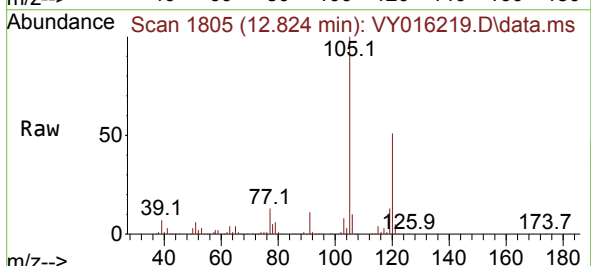
Acq: 03 Nov 2023 18:47

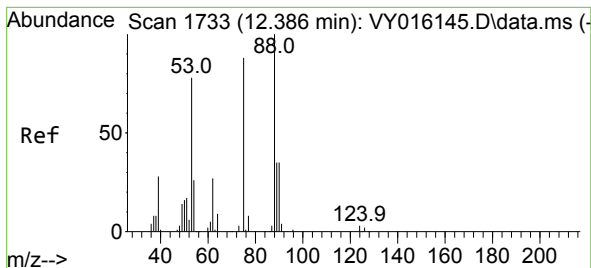
Tgt Ion: 105 Resp: 131376

Ion Ratio Lower Upper

105 100

120 49.9 23.9 71.7

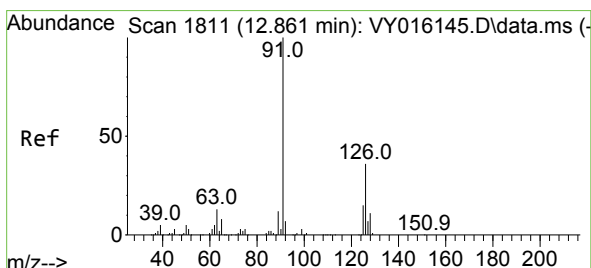
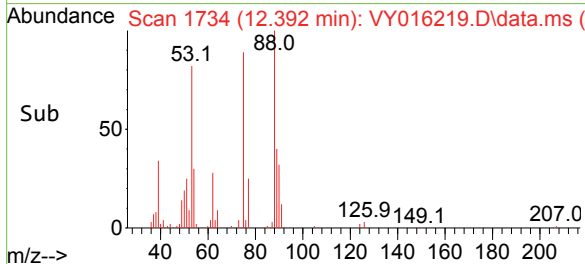
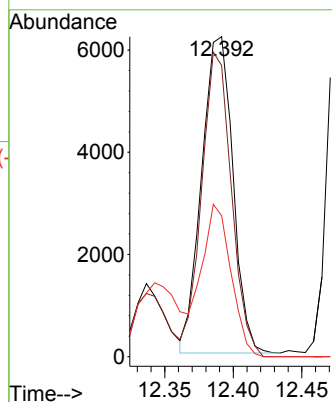
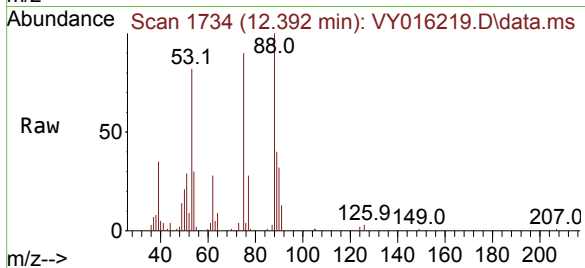




#81  
trans-1,4-Dichloro-2-butene  
Concen: 21.060 ug/l  
RT: 12.392 min Scan# 1734  
Delta R.T. 0.006 min  
Lab File: VY016219.D  
Acq: 03 Nov 2023 18:47

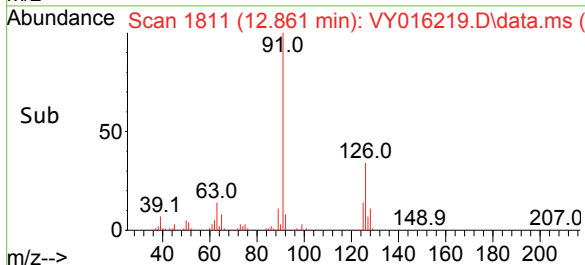
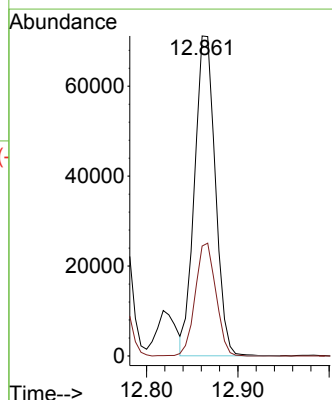
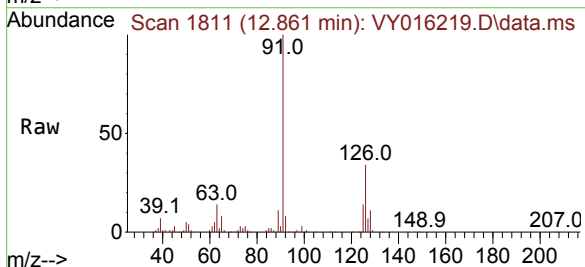
Instrument :  
MSVOA\_Y  
ClientSampleId :

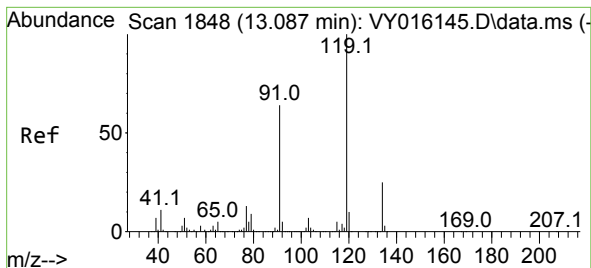
Tgt Ion: 75 Resp: 9800  
Ion Ratio Lower Upper  
75 100  
53 92.0 77.8 116.8  
89 45.0 37.4 56.0



#82  
4-Chlorotoluene  
Concen: 20.571 ug/l  
RT: 12.861 min Scan# 1811  
Delta R.T. -0.000 min  
Lab File: VY016219.D  
Acq: 03 Nov 2023 18:47

Tgt Ion: 91 Resp: 111942  
Ion Ratio Lower Upper  
91 100  
126 35.4 17.2 51.6





#83

tert-Butylbenzene

Concen: 20.808 ug/l

RT: 13.087 min Scan# 1848

Delta R.T. -0.000 min

Lab File: VY016219.D

Acq: 03 Nov 2023 18:47

Instrument :

MSVOA\_Y

ClientSampleId :

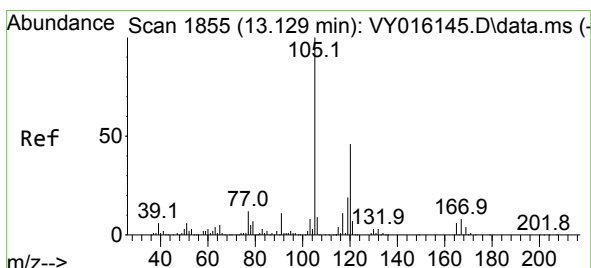
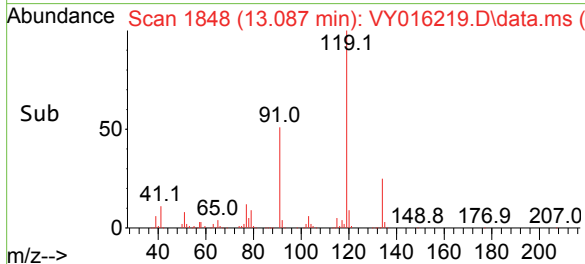
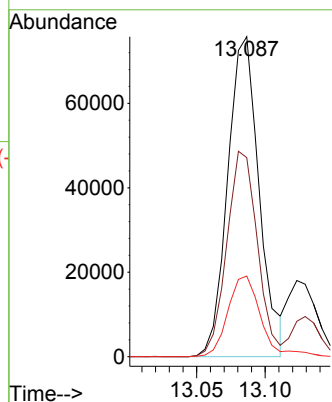
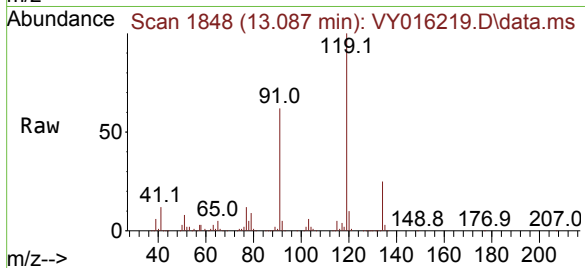
Tgt Ion:119 Resp: 121224

Ion Ratio Lower Upper

119 100

91 62.7 32.9 98.6

134 26.4 13.0 38.9



#84

1,2,4-Trimethylbenzene

Concen: 20.421 ug/l

RT: 13.129 min Scan# 1855

Delta R.T. -0.000 min

Lab File: VY016219.D

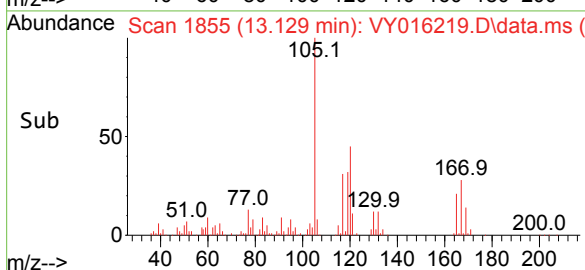
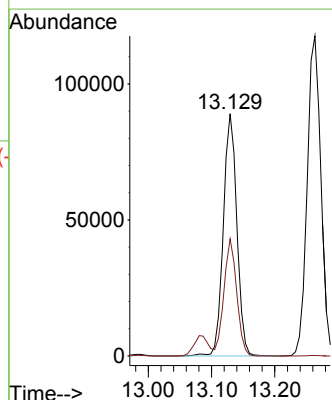
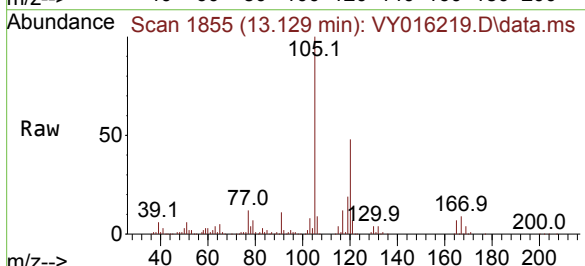
Acq: 03 Nov 2023 18:47

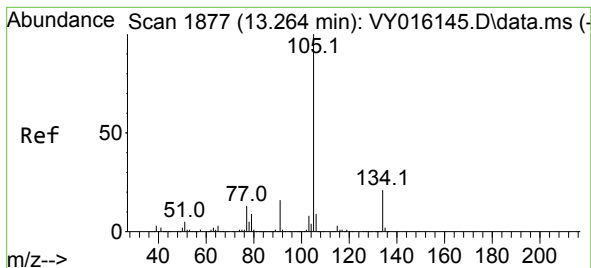
Tgt Ion:105 Resp: 131566

Ion Ratio Lower Upper

105 100

120 45.5 22.2 66.6





#85

sec-Butylbenzene

Concen: 20.575 ug/l

RT: 13.263 min Scan# 1877

Delta R.T. -0.000 min

Lab File: VY016219.D

Acq: 03 Nov 2023 18:47

Instrument :

MSVOA\_Y

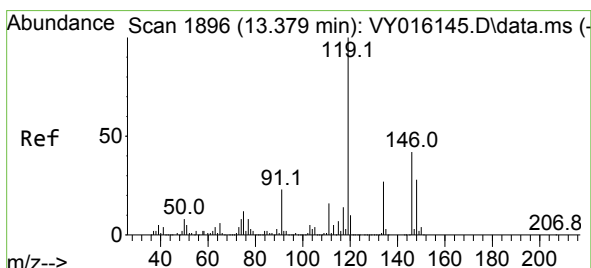
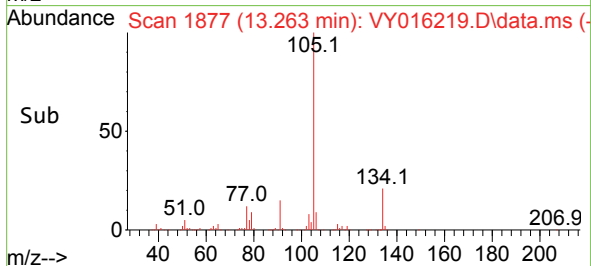
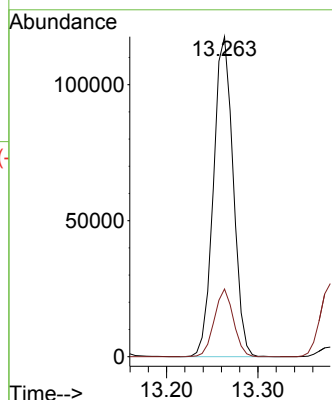
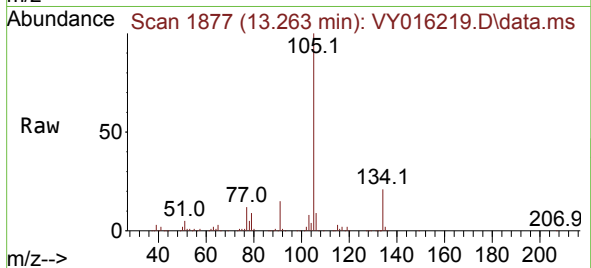
ClientSampleId :

Tgt Ion:105 Resp: 175935

Ion Ratio Lower Upper

105 100

134 20.6 10.2 30.6



#86

p-Isopropyltoluene

Concen: 20.537 ug/l

RT: 13.379 min Scan# 1896

Delta R.T. -0.000 min

Lab File: VY016219.D

Acq: 03 Nov 2023 18:47

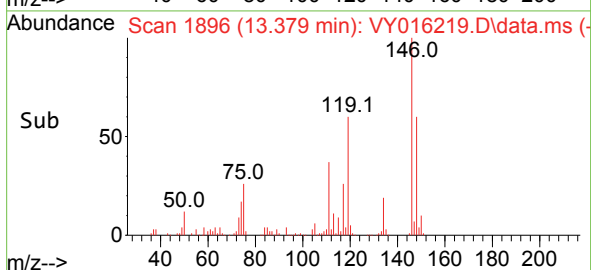
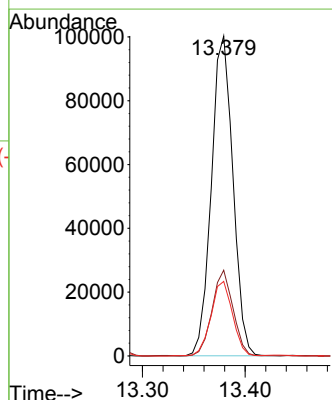
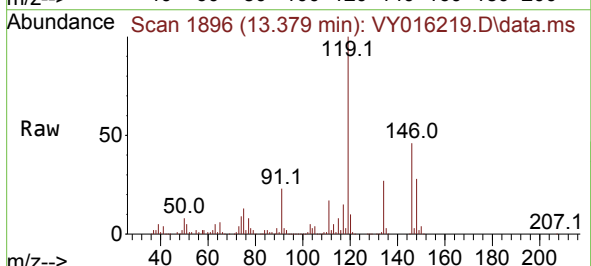
Tgt Ion:119 Resp: 145542

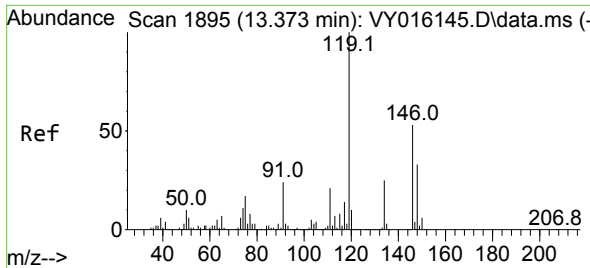
Ion Ratio Lower Upper

119 100

134 26.1 13.3 39.8

91 23.5 12.4 37.4

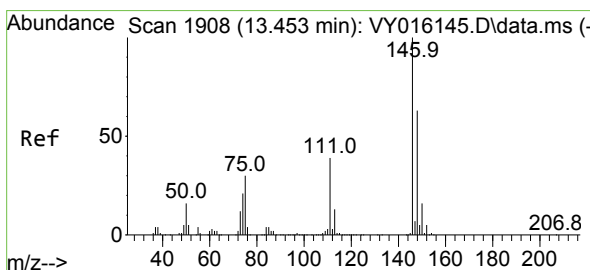
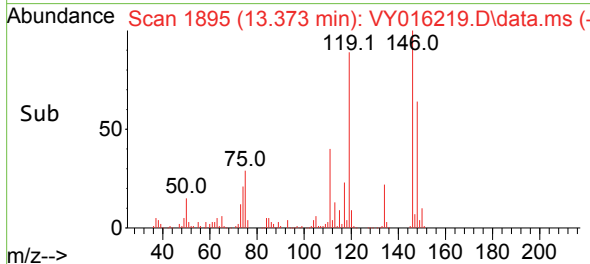
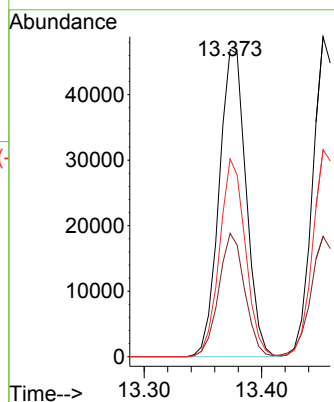
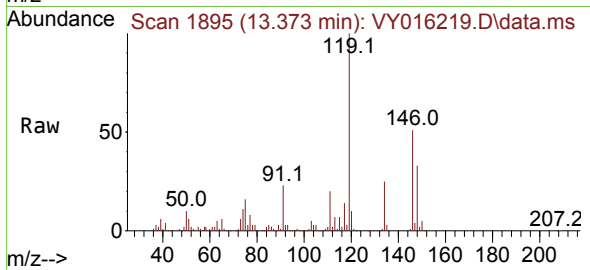




#87  
1,3-Dichlorobenzene  
Concen: 20.724 ug/l  
RT: 13.373 min Scan# 1895  
Delta R.T. -0.000 min  
Lab File: VY016219.D  
Acq: 03 Nov 2023 18:47

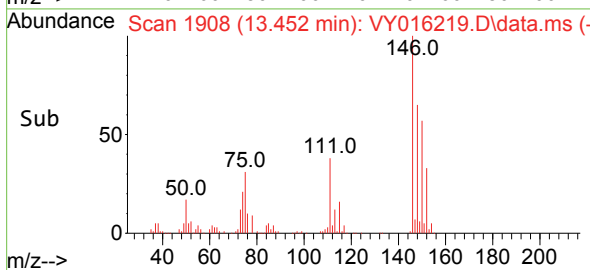
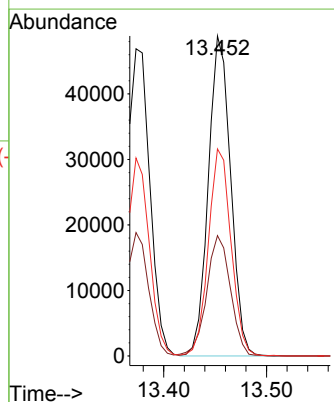
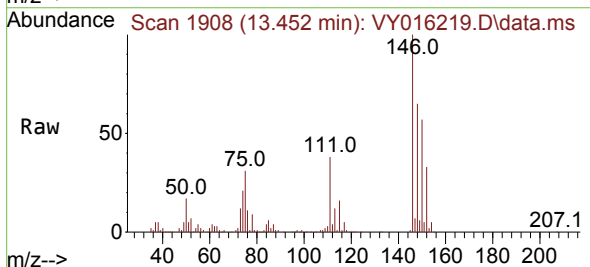
Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion:146 Resp: 74585  
Ion Ratio Lower Upper  
146 100  
111 38.7 19.4 58.2  
148 61.8 31.9 95.5

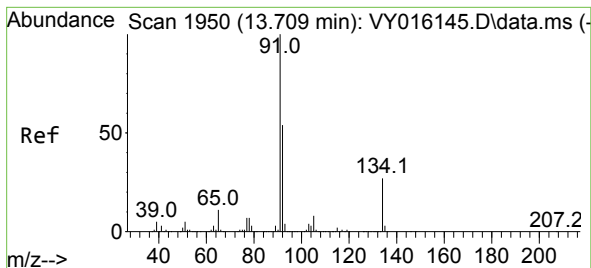


#88  
1,4-Dichlorobenzene  
Concen: 20.756 ug/l  
RT: 13.452 min Scan# 1908  
Delta R.T. -0.000 min  
Lab File: VY016219.D  
Acq: 03 Nov 2023 18:47

Tgt Ion:146 Resp: 73832  
Ion Ratio Lower Upper  
146 100  
111 40.2 18.9 56.7  
148 65.8 32.1 96.5







#89

n-Butylbenzene

Concen: 20.566 ug/l

RT: 13.702 min Scan# 1950

Delta R.T. -0.006 min

Lab File: VY016219.D

Acq: 03 Nov 2023 18:47

Instrument :

MSVOA\_Y

ClientSampleId :

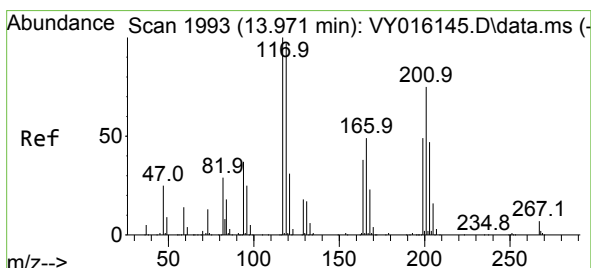
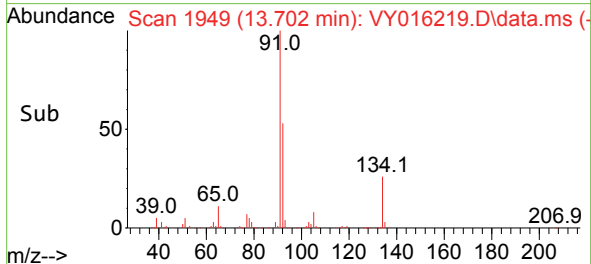
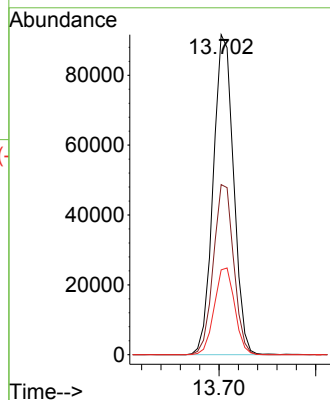
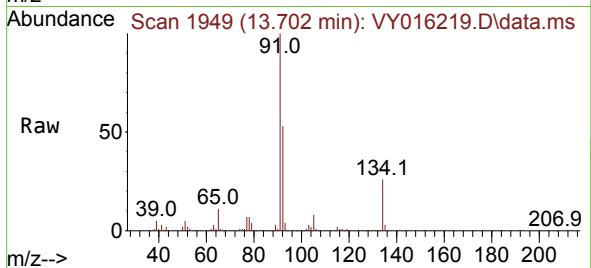
Tgt Ion: 91 Resp: 133920

Ion Ratio Lower Upper

91 100

92 52.9 25.4 76.0

134 27.2 12.6 37.6



#90

Hexachloroethane

Concen: 22.246 ug/l

RT: 13.970 min Scan# 1993

Delta R.T. -0.000 min

Lab File: VY016219.D

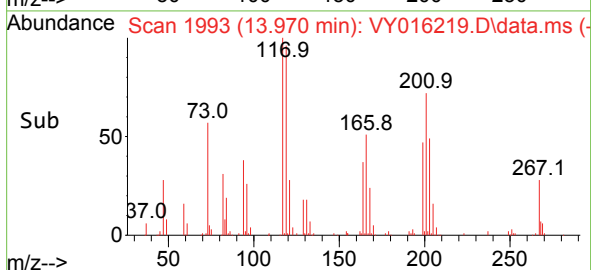
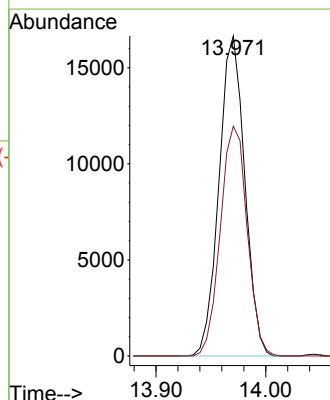
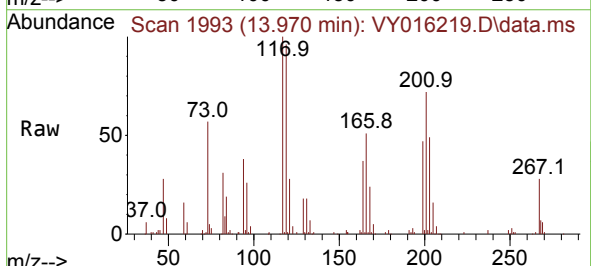
Acq: 03 Nov 2023 18:47

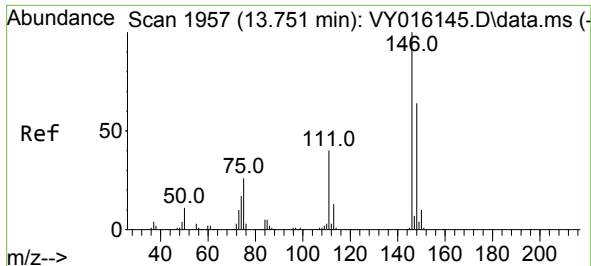
Tgt Ion: 117 Resp: 27168

Ion Ratio Lower Upper

117 100

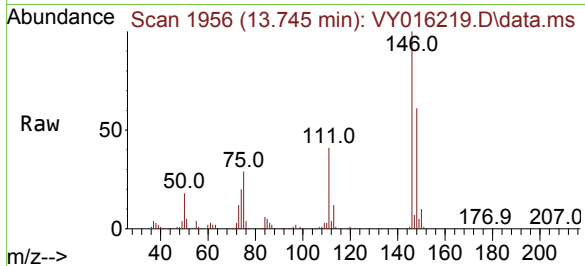
201 74.7 41.6 124.8



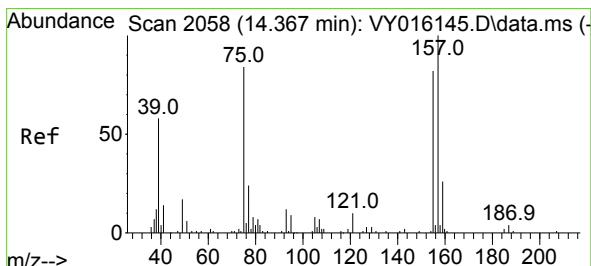
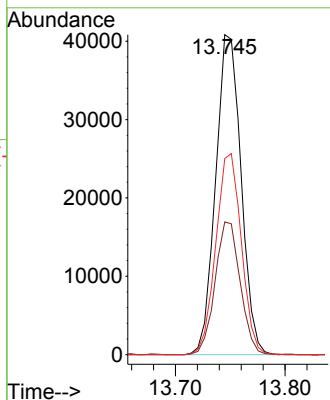
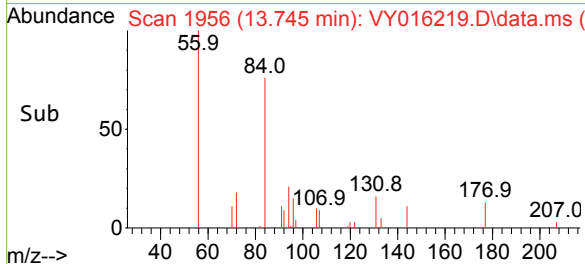


#91  
1,2-Dichlorobenzene  
Concen: 21.170 ug/l  
RT: 13.745 min Scan# 1956  
Delta R.T. -0.006 min  
Lab File: VY016219.D  
Acq: 03 Nov 2023 18:47

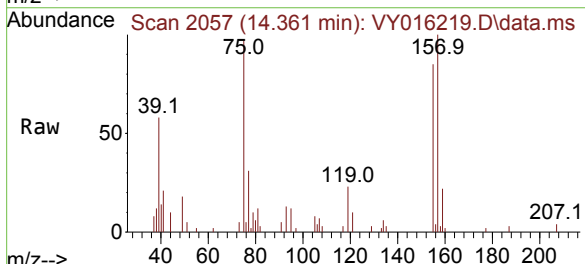
Instrument :  
MSVOA\_Y  
ClientSampleId :



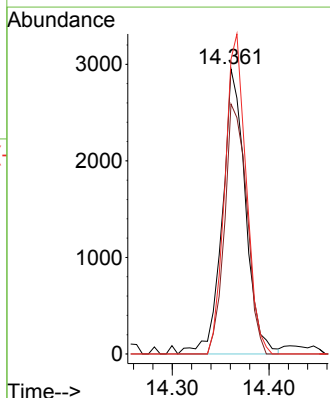
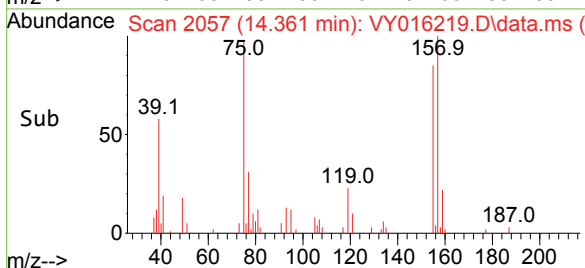
Tgt Ion:146 Resp: 65829  
Ion Ratio Lower Upper  
146 100  
111 41.1 19.7 59.0  
148 63.1 32.0 96.2

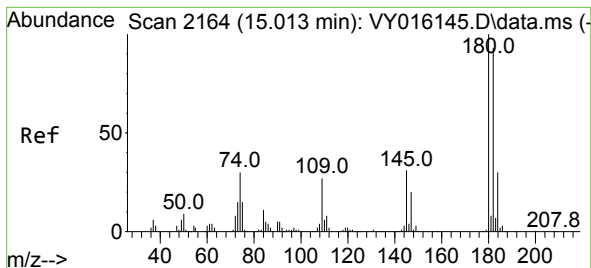


#92  
1,2-Dibromo-3-Chloropropane  
Concen: 21.379 ug/l  
RT: 14.361 min Scan# 2057  
Delta R.T. -0.006 min  
Lab File: VY016219.D  
Acq: 03 Nov 2023 18:47



Tgt Ion: 75 Resp: 4893  
Ion Ratio Lower Upper  
75 100  
155 84.0 41.5 124.6  
157 103.0 51.8 155.5





#93

1,2,4-Trichlorobenzene

Concen: 19.583 ug/l

RT: 15.013 min Scan# 2164

Delta R.T. -0.000 min

Lab File: VY016219.D

Acq: 03 Nov 2023 18:47

Instrument :

MSVOA\_Y

ClientSampleId :

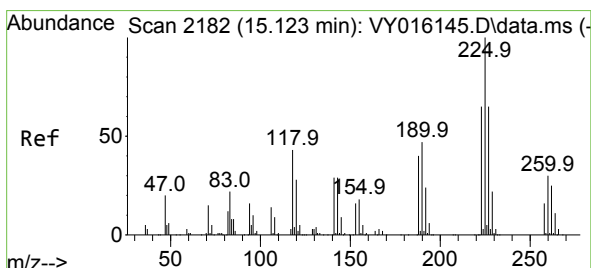
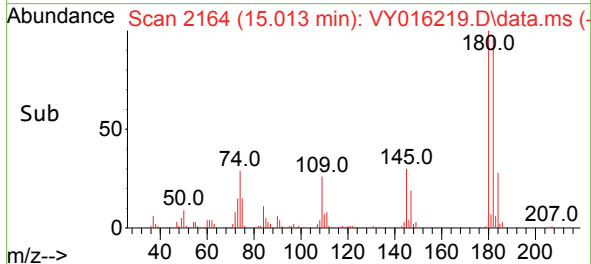
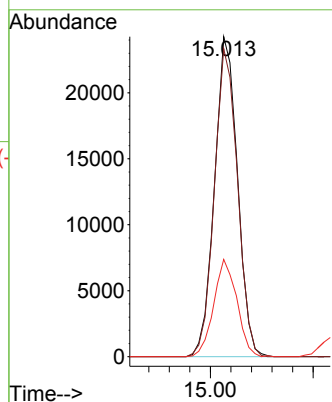
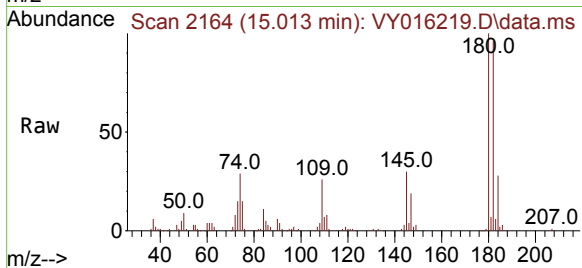
Tgt Ion:180 Resp: 37585

Ion Ratio Lower Upper

180 100

182 96.9 47.0 141.2

145 30.7 14.5 43.5



#94

Hexachlorobutadiene

Concen: 21.232 ug/l

RT: 15.117 min Scan# 2181

Delta R.T. -0.006 min

Lab File: VY016219.D

Acq: 03 Nov 2023 18:47

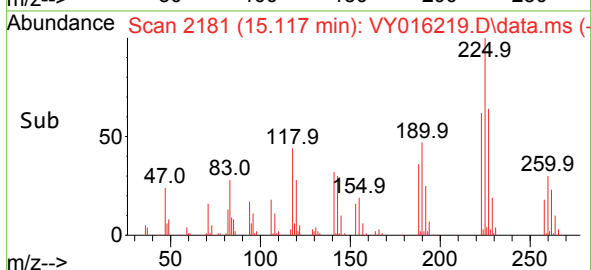
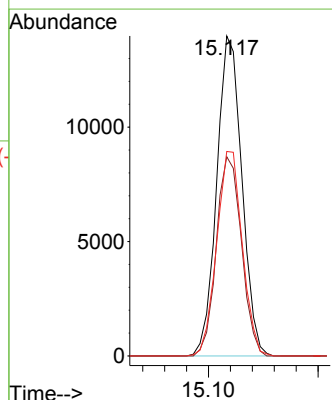
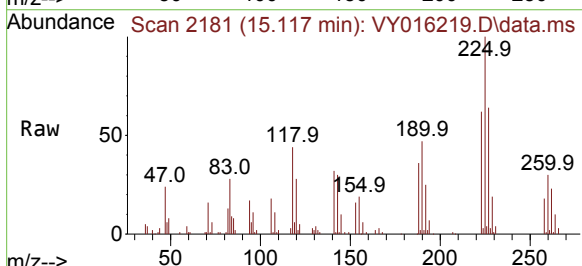
Tgt Ion:225 Resp: 22268

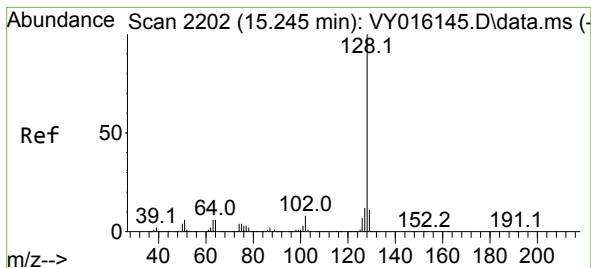
Ion Ratio Lower Upper

225 100

223 62.2 31.9 95.9

227 65.0 33.0 98.9





#95

Naphthalene

Concen: 18.886 ug/l

RT: 15.245 min Scan# 2202

Delta R.T. -0.000 min

Lab File: VY016219.D

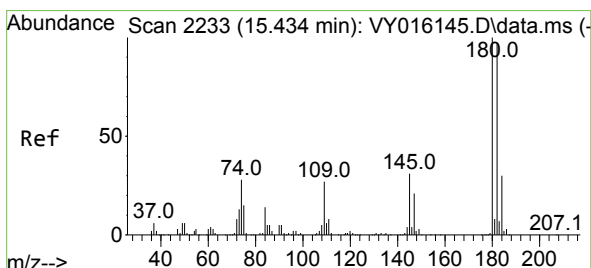
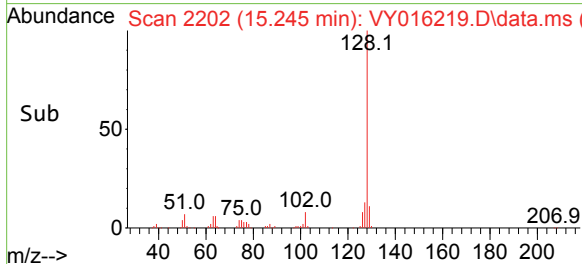
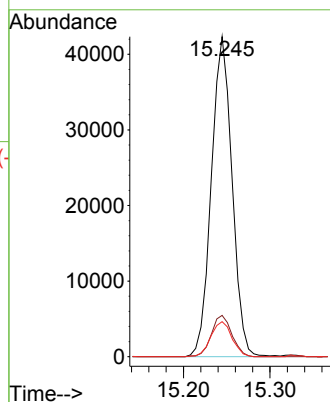
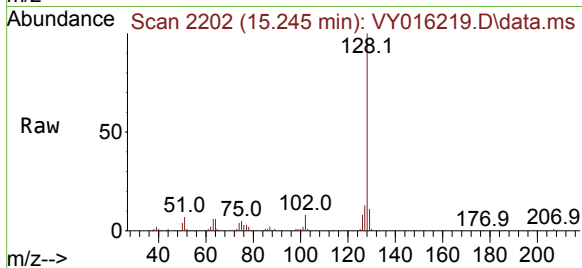
Acq: 03 Nov 2023 18:47

Instrument :

MSVOA\_Y

ClientSampleId :

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:128 | Resp: | 70420     |
| Ion Ratio   | Lower | Upper     |
| 128         | 100   |           |
| 127         | 12.8  | 10.8 16.2 |
| 129         | 11.2  | 8.6 13.0  |



#96

1,2,3-Trichlorobenzene

Concen: 19.798 ug/l

RT: 15.434 min Scan# 2233

Delta R.T. -0.000 min

Lab File: VY016219.D

Acq: 03 Nov 2023 18:47

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 32460      |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 92.8  | 47.3 141.8 |
| 145         | 31.9  | 15.4 46.2  |

