

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY092223\  
 Data File : VY015685.D  
 Acq On : 22 Sep 2023 15:09  
 Operator : SY/MD  
 Sample : VY0922SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Sep 22 22:56:01 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y091923S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 20 01:39:40 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 154626   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 257635   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.489 | 117  | 233832   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 119162   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.142  | 65    | 70085    | 41.195   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 82.380% |
| 35) Dibromofluoromethane    | 7.716  | 113   | 68459    | 44.395   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 88.800% |
| 50) Toluene-d8              | 10.179 | 98    | 220841   | 42.238   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 84.480% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 86846    | 42.326   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 84.660% |

|                              |       |     |        |        |        |     |
|------------------------------|-------|-----|--------|--------|--------|-----|
| Target Compounds             |       |     |        |        | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.906 | 85  | 19435  | 19.068 | ug/l   | 95  |
| 3) Chloromethane             | 2.113 | 50  | 24156  | 18.786 | ug/l   | 98  |
| 4) Vinyl Chloride            | 2.247 | 62  | 28005  | 19.049 | ug/l   | 90  |
| 5) Bromomethane              | 2.637 | 94  | 22409  | 17.817 | ug/l   | 99  |
| 6) Chloroethane              | 2.784 | 64  | 21896  | 20.093 | ug/l   | 100 |
| 7) Trichlorofluoromethane    | 3.119 | 101 | 50077  | 20.310 | ug/l   | 94  |
| 8) Diethyl Ether             | 3.533 | 74  | 20831  | 19.812 | ug/l   | 90  |
| 9) 1,1,2-Trichlorotrifluo... | 3.893 | 101 | 31622  | 20.484 | ug/l   | 96  |
| 10) Methyl Iodide            | 4.088 | 142 | 28141  | 17.384 | ug/l   | 98  |
| 11) Tert butyl alcohol       | 4.984 | 59  | 33276  | 50.771 | ug/l # | 84  |
| 12) 1,1-Dichloroethene       | 3.869 | 96  | 26123  | 19.203 | ug/l   | 95  |
| 13) Acrolein                 | 3.735 | 56  | 16544  | 63.496 | ug/l   | 99  |
| 14) Allyl chloride           | 4.478 | 41  | 47989  | 19.294 | ug/l   | 94  |
| 15) Acrylonitrile            | 5.167 | 53  | 69639  | 90.285 | ug/l   | 99  |
| 16) Acetone                  | 3.954 | 43  | 90286  | 99.164 | ug/l   | 93  |
| 17) Carbon Disulfide         | 4.192 | 76  | 45636  | 17.269 | ug/l   | 98  |
| 18) Methyl Acetate           | 4.484 | 43  | 52851  | 17.301 | ug/l   | 95  |
| 19) Methyl tert-butyl Ether  | 5.228 | 73  | 107492 | 19.401 | ug/l   | 100 |
| 20) Methylene Chloride       | 4.710 | 84  | 50321  | 22.583 | ug/l   | 90  |
| 21) trans-1,2-Dichloroethene | 5.216 | 96  | 30849  | 19.840 | ug/l   | 96  |
| 22) Diisopropyl ether        | 6.118 | 45  | 120189 | 20.079 | ug/l   | 93  |
| 23) Vinyl Acetate            | 6.057 | 43  | 356747 | 96.560 | ug/l   | 97  |
| 24) 1,1-Dichloroethane       | 6.015 | 63  | 65364  | 20.034 | ug/l   | 95  |
| 25) 2-Butanone               | 6.984 | 43  | 118915 | 92.403 | ug/l   | 96  |
| 26) 2,2-Dichloropropane      | 6.978 | 77  | 56581  | 18.974 | ug/l   | 96  |
| 27) cis-1,2-Dichloroethene   | 6.984 | 96  | 40957  | 19.841 | ug/l   | 95  |
| 28) Bromochloromethane       | 7.332 | 49  | 14479  | 16.357 | ug/l   | 94  |
| 29) Tetrahydrofuran          | 7.350 | 42  | 63197  | 86.883 | ug/l   | 95  |
| 30) Chloroform               | 7.502 | 83  | 71729  | 20.530 | ug/l   | 96  |
| 31) Cyclohexane              | 7.783 | 56  | 45060  | 19.119 | ug/l   | 91  |
| 32) 1,1,1-Trichloroethane    | 7.703 | 97  | 59033  | 20.467 | ug/l   | 99  |
| 36) 1,1-Dichloropropene      | 7.917 | 75  | 45440  | 19.930 | ug/l   | 100 |
| 37) Ethyl Acetate            | 7.075 | 43  | 42476  | 18.677 | ug/l   | 96  |
| 38) Carbon Tetrachloride     | 7.898 | 117 | 51538  | 20.824 | ug/l   | 94  |
| 39) Methylcyclohexane        | 9.185 | 83  | 47747  | 18.934 | ug/l   | 97  |
| 40) Benzene                  | 8.161 | 78  | 138598 | 19.933 | ug/l   | 98  |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY092223\  
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 Acq On : 22 Sep 2023 15:09  
 Operator : SY/MD  
 Sample : VY0922SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Sep 22 22:56:01 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y091923S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 20 01:39:40 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.307  | 41   | 19512    | 15.934  | ug/l   | 92       |
| 42) 1,2-Dichloroethane        | 8.240  | 62   | 47518    | 19.955  | ug/l   | 95       |
| 43) Isopropyl Acetate         | 8.270  | 43   | 72498    | 18.662  | ug/l   | 98       |
| 44) Trichloroethene           | 8.941  | 130  | 40618    | 20.916  | ug/l   | 97       |
| 45) 1,2-Dichloropropane       | 9.215  | 63   | 40305    | 20.787  | ug/l   | 100      |
| 46) Dibromomethane            | 9.307  | 93   | 24351    | 19.633  | ug/l   | 95       |
| 47) Bromodichloromethane      | 9.496  | 83   | 55657    | 20.132  | ug/l   | 96       |
| 48) Methyl methacrylate       | 9.295  | 41   | 30887    | 18.114  | ug/l   | 90       |
| 49) 1,4-Dioxane               | 9.307  | 88   | 8655     | 353.215 | ug/l # | 45       |
| 51) 4-Methyl-2-Pentanone      | 10.069 | 43   | 222503   | 92.407  | ug/l   | 94       |
| 52) Toluene                   | 10.246 | 92   | 92377    | 20.608  | ug/l   | 95       |
| 53) t-1,3-Dichloropropene     | 10.465 | 75   | 58420    | 19.705  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 9.929  | 75   | 62708    | 19.650  | ug/l   | 90       |
| 55) 1,1,2-Trichloroethane     | 10.648 | 97   | 36893    | 20.297  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 10.508 | 69   | 50845    | 18.982  | ug/l   | 89       |
| 57) 1,3-Dichloropropane       | 10.788 | 76   | 59911    | 19.655  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.782  | 63   | 74310    | 87.335  | ug/l   | 95       |
| 59) 2-Hexanone                | 10.831 | 43   | 177894   | 96.297  | ug/l   | 94       |
| 60) Dibromochloromethane      | 10.983 | 129  | 42495    | 20.028  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.087 | 107  | 34096    | 19.174  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.721 | 164  | 41906    | 20.888  | ug/l   | 98       |
| 65) Chlorobenzene             | 11.514 | 112  | 104141   | 20.403  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.593 | 131  | 40562    | 20.459  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.593 | 91   | 182567   | 20.464  | ug/l   | 100      |
| 68) m/p-Xylenes               | 11.703 | 106  | 140682   | 41.488  | ug/l   | 96       |
| 69) o-Xylene                  | 12.032 | 106  | 68090    | 20.478  | ug/l   | 97       |
| 70) Styrene                   | 12.044 | 104  | 116954   | 20.549  | ug/l   | 98       |
| 71) Bromoform                 | 12.209 | 173  | 28183    | 19.616  | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.331 | 105  | 183107   | 20.484  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.142 | 43   | 63202    | 18.811  | ug/l   | 92       |
| 75) 1,1,2,2-Tetrachloroethane | 12.581 | 83   | 48283    | 19.407  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.635 | 75   | 61547    | 32.376  | ug/l # | 100      |
| 77) Bromobenzene              | 12.611 | 156  | 44019    | 20.061  | ug/l   | 97       |
| 78) n-propylbenzene           | 12.672 | 91   | 225174   | 20.734  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.757 | 91   | 125286   | 20.239  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.812 | 105  | 152501   | 20.378  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.379 | 75   | 15787    | 18.701  | ug/l   | 98       |
| 82) 4-Chlorotoluene           | 12.855 | 91   | 130046   | 20.124  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.074 | 119  | 133821   | 20.417  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.123 | 105  | 155548   | 20.773  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.251 | 105  | 204376   | 20.836  | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 13.373 | 119  | 167786   | 20.478  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.367 | 146  | 88702    | 20.376  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.446 | 146  | 88398    | 20.304  | ug/l   | 98       |
| 89) n-Butylbenzene            | 13.696 | 91   | 158702   | 20.455  | ug/l   | 97       |
| 90) Hexachloroethane          | 13.964 | 117  | 31558    | 19.957  | ug/l   | 89       |
| 91) 1,2-Dichlorobenzene       | 13.739 | 146  | 81107    | 20.183  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.361 | 75   | 8688     | 17.583  | ug/l   | 88       |
| 93) 1,2,4-Trichlorobenzene    | 15.007 | 180  | 49984    | 19.758  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 15.111 | 225  | 26780    | 20.671  | ug/l   | 96       |
| 95) Naphthalene               | 15.239 | 128  | 122672   | 18.596  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.428 | 180  | 45740    | 19.589  | ug/l   | 97       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY092223\  
Data File : VY015685.D  
Acq On : 22 Sep 2023 15:09  
Operator : SY/MD  
Sample : VY0922SBSD01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 8 Sample Multiplier: 1

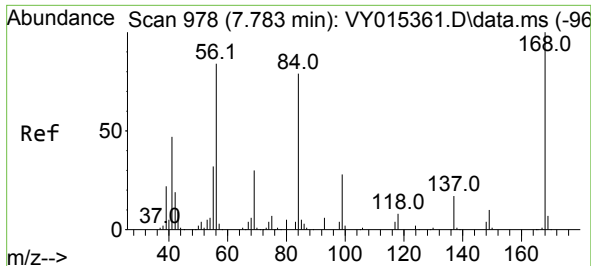
Instrument :  
MSVOA\_Y  
ClientSampleId :

Quant Time: Sep 22 22:56:01 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y091923S.M  
Quant Title : SW846 8260  
QLast Update : Wed Sep 20 01:39:40 2023  
Response via : Initial Calibration

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

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

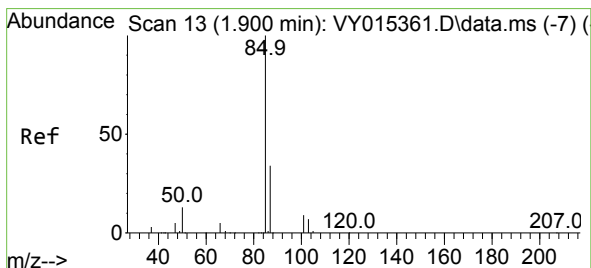
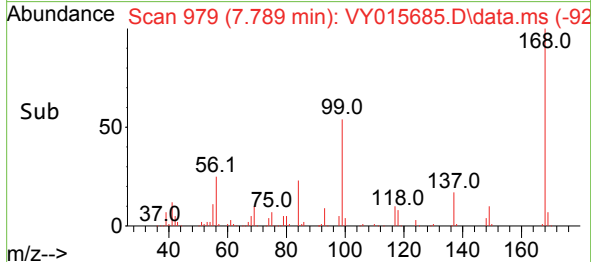
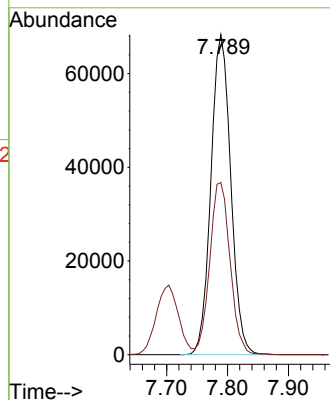
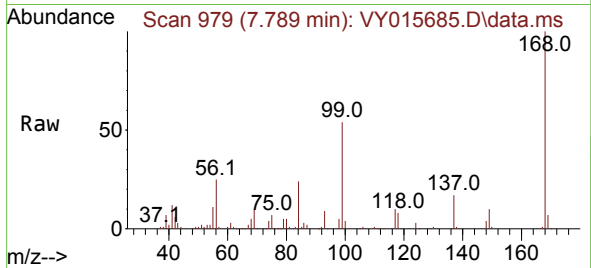




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY015685.D  
Acq: 22 Sep 2023 15:09

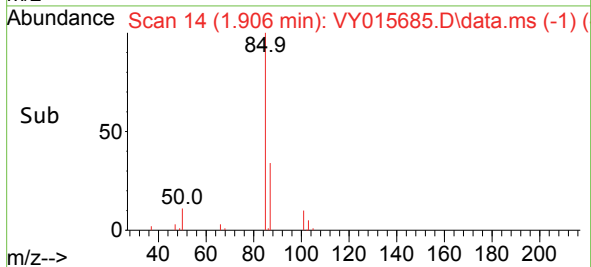
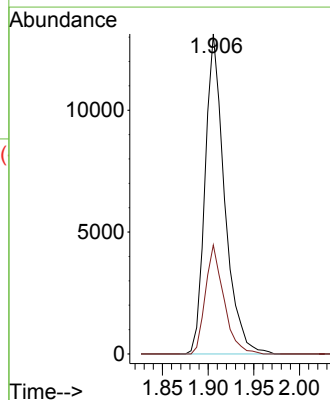
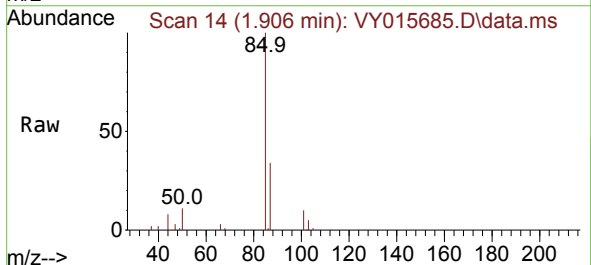
Instrument :  
MSVOA\_Y  
ClientSampleId :

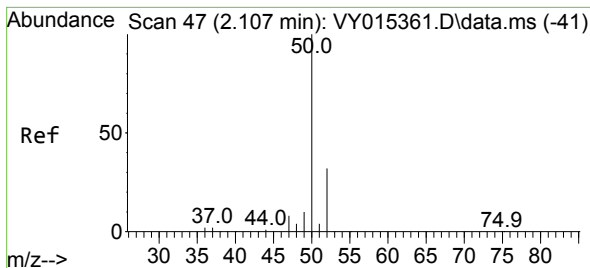
Tgt Ion:168 Resp: 154626  
Ion Ratio Lower Upper  
168 100  
99 53.8 43.4 65.0



#2  
Dichlorodifluoromethane  
Concen: 19.068 ug/l  
RT: 1.906 min Scan# 14  
Delta R.T. 0.006 min  
Lab File: VY015685.D  
Acq: 22 Sep 2023 15:09

Tgt Ion: 85 Resp: 19435  
Ion Ratio Lower Upper  
85 100  
87 34.1 15.6 46.8





#3

Chloromethane

Concen: 18.786 ug/l

RT: 2.113 min Scan# 41

Delta R.T. 0.006 min

Lab File: VY015685.D

Acq: 22 Sep 2023 15:09

Instrument :

MSVOA\_Y

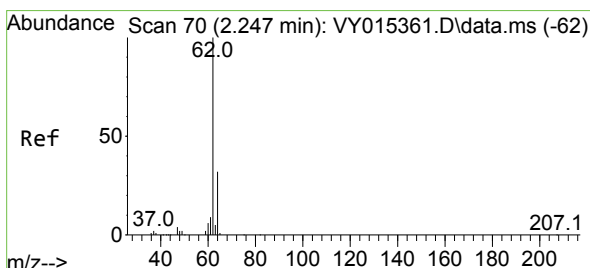
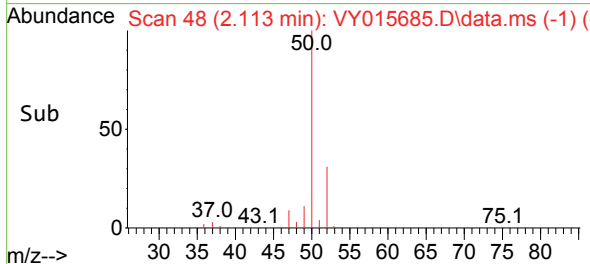
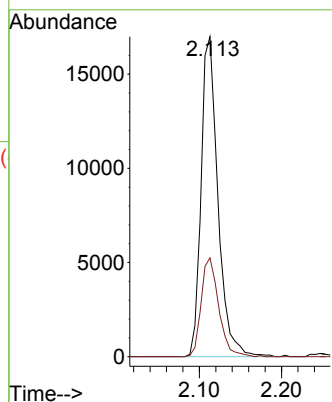
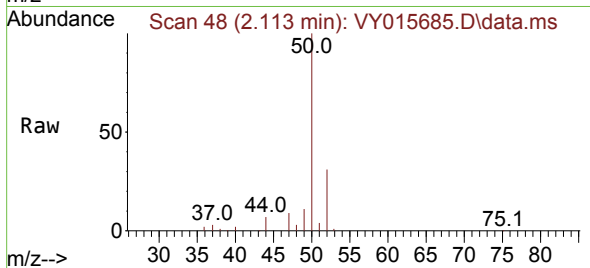
ClientSampleId :

Tgt Ion: 50 Resp: 24156

Ion Ratio Lower Upper

50 100

52 30.9 25.4 38.2



#4

Vinyl Chloride

Concen: 19.049 ug/l

RT: 2.247 min Scan# 70

Delta R.T. 0.006 min

Lab File: VY015685.D

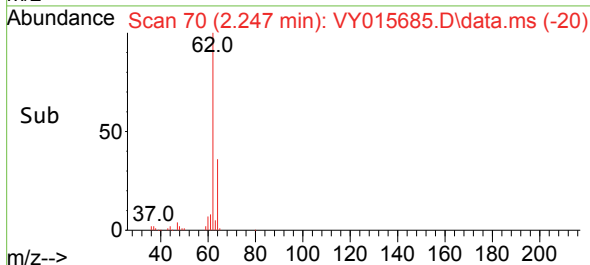
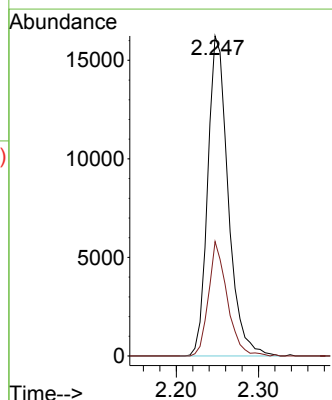
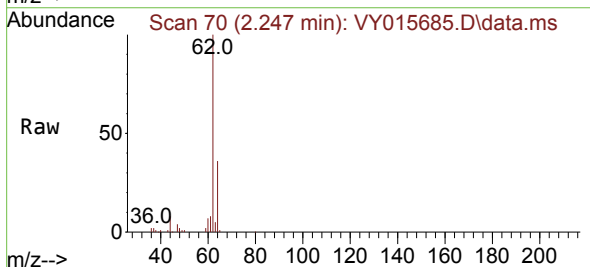
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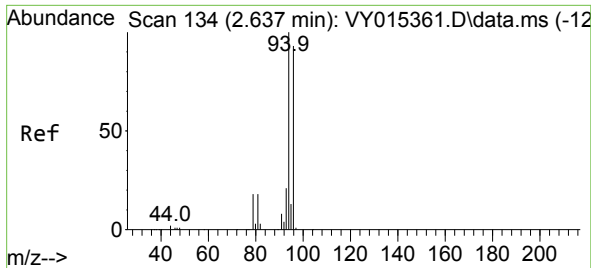
Tgt Ion: 62 Resp: 28005

Ion Ratio Lower Upper

62 100

64 35.8 24.3 36.5





#5

Bromomethane

Concen: 17.817 ug/l

RT: 2.637 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY015685.D

Acq: 22 Sep 2023 15:09

Instrument :

MSVOA\_Y

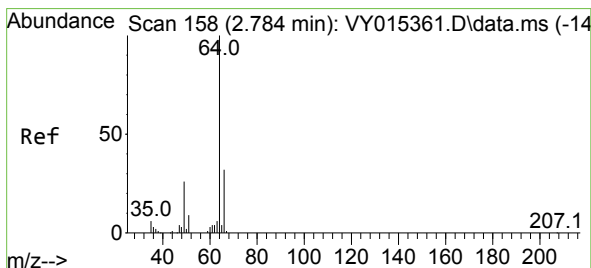
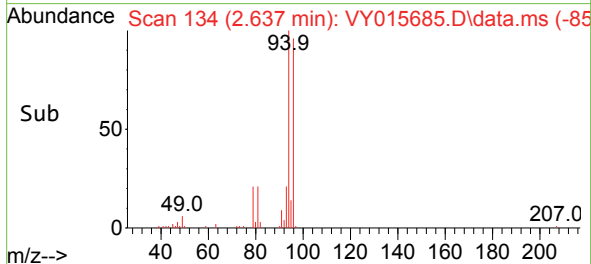
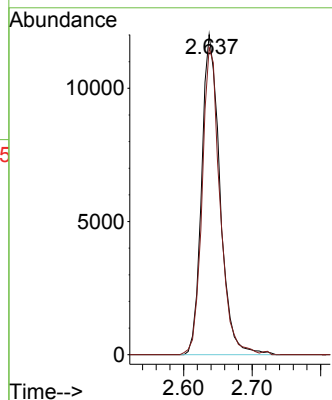
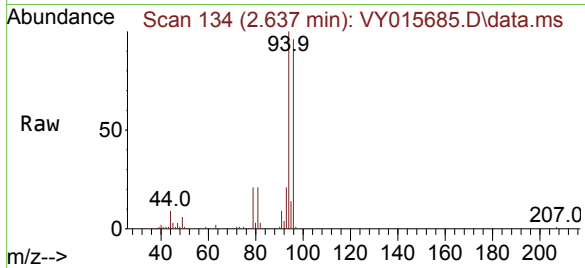
ClientSampleId :

Tgt Ion: 94 Resp: 22409

Ion Ratio Lower Upper

94 100

96 95.9 75.8 113.6



#6

Chloroethane

Concen: 20.093 ug/l

RT: 2.784 min Scan# 158

Delta R.T. -0.000 min

Lab File: VY015685.D

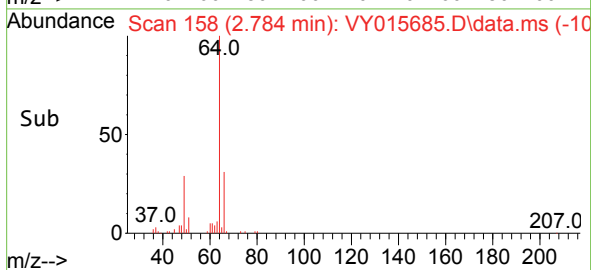
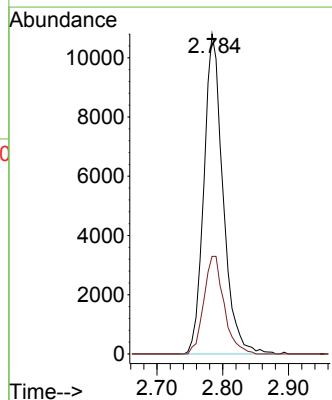
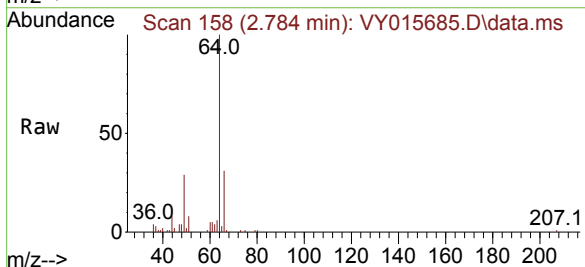
Acq: 22 Sep 2023 15:09

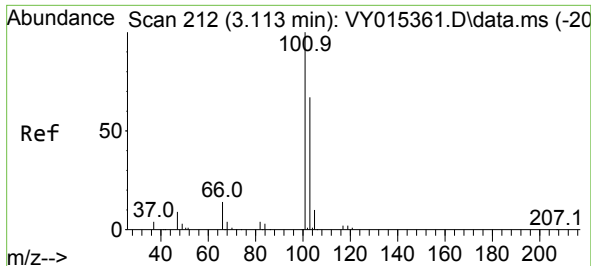
Tgt Ion: 64 Resp: 21896

Ion Ratio Lower Upper

64 100

66 30.5 24.4 36.6

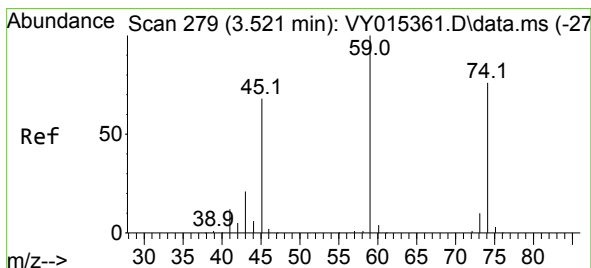
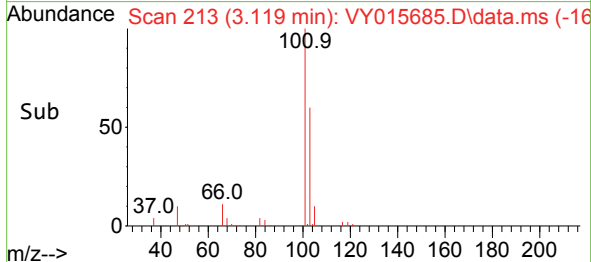
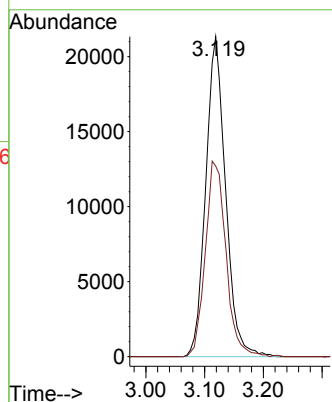
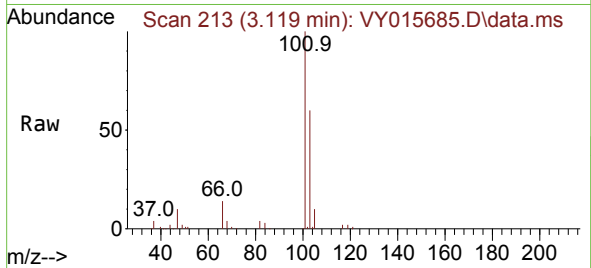




#7  
Trichlorofluoromethane  
Concen: 20.310 ug/l  
RT: 3.119 min Scan# 212  
Delta R.T. 0.006 min  
Lab File: VY015685.D  
Acq: 22 Sep 2023 15:09

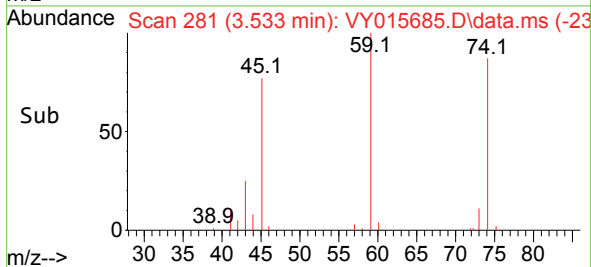
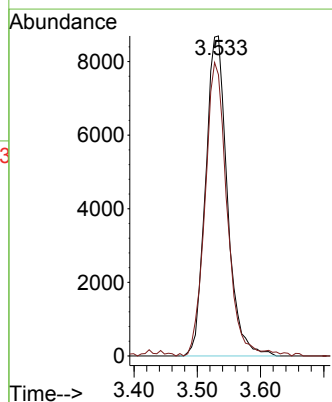
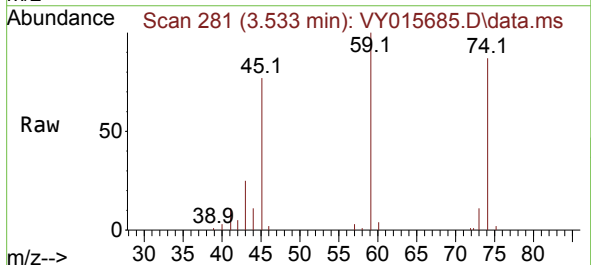
Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion:101 Resp: 50077  
Ion Ratio Lower Upper  
101 100  
103 59.6 51.4 77.0

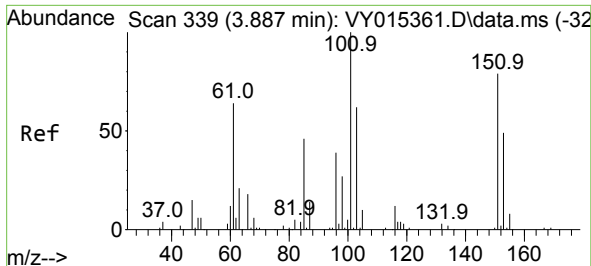


#8  
Diethyl Ether  
Concen: 19.812 ug/l  
RT: 3.533 min Scan# 281  
Delta R.T. 0.012 min  
Lab File: VY015685.D  
Acq: 22 Sep 2023 15:09

Tgt Ion: 74 Resp: 20831  
Ion Ratio Lower Upper  
74 100  
45 93.1 51.5 154.5



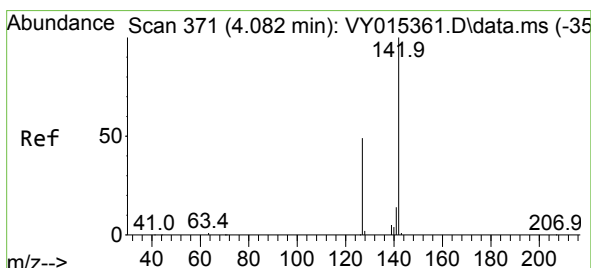
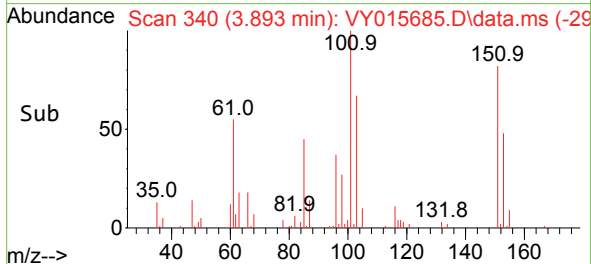
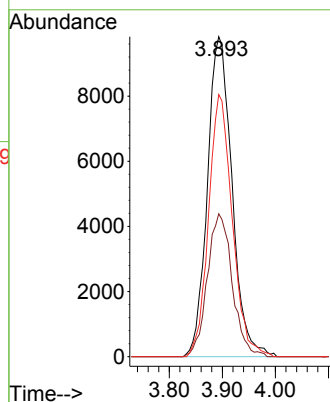
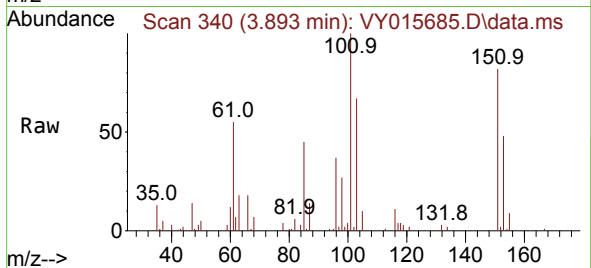




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 20.484 ug/l  
RT: 3.893 min Scan# 341  
Delta R.T. 0.000 min  
Lab File: VY015685.D  
Acq: 22 Sep 2023 15:09

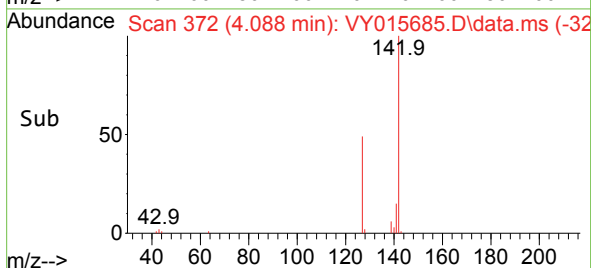
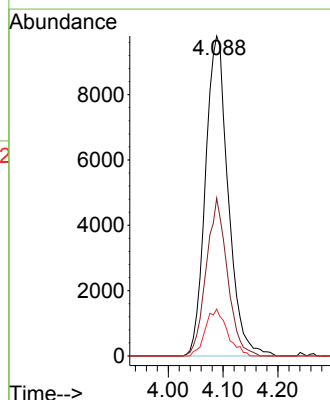
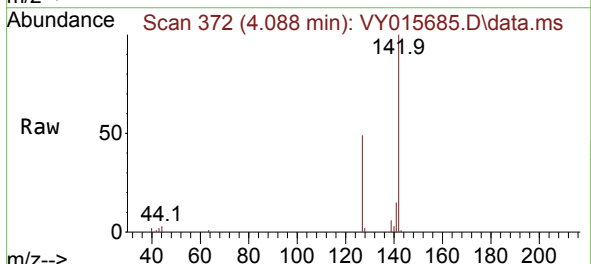
Instrument :  
MSVOA\_Y  
ClientSampleId :

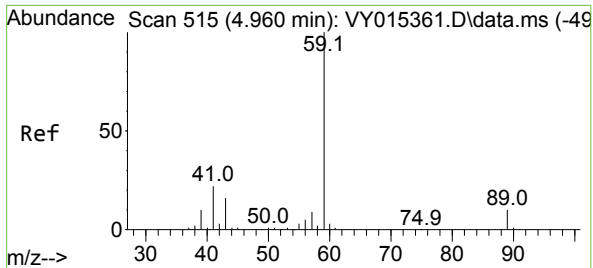
Tgt Ion:101 Resp: 31622  
Ion Ratio Lower Upper  
101 100  
85 45.2 36.6 55.0  
151 79.0 67.0 100.6



#10  
Methyl Iodide  
Concen: 17.384 ug/l  
RT: 4.088 min Scan# 372  
Delta R.T. 0.006 min  
Lab File: VY015685.D  
Acq: 22 Sep 2023 15:09

Tgt Ion:142 Resp: 28141  
Ion Ratio Lower Upper  
142 100  
127 45.9 37.6 56.4  
141 14.1 11.8 17.8

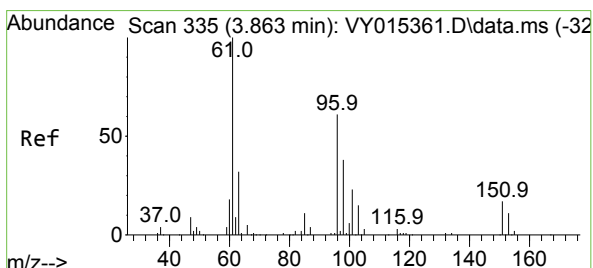
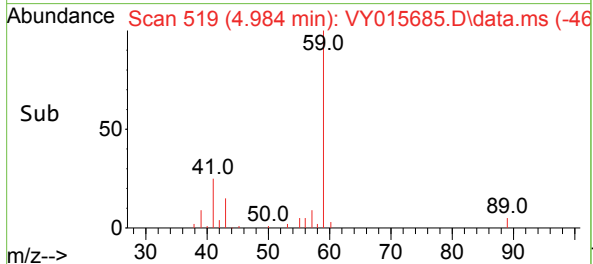
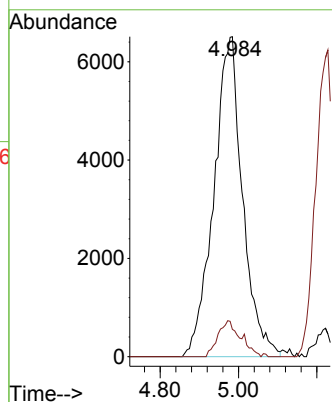
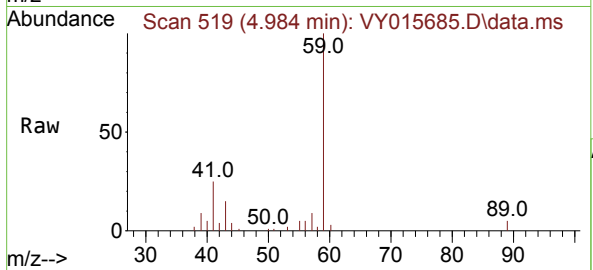




#11  
Tert butyl alcohol  
Concen: 50.771 ug/l  
RT: 4.984 min Scan# 515  
Delta R.T. 0.030 min  
Lab File: VY015685.D  
Acq: 22 Sep 2023 15:09

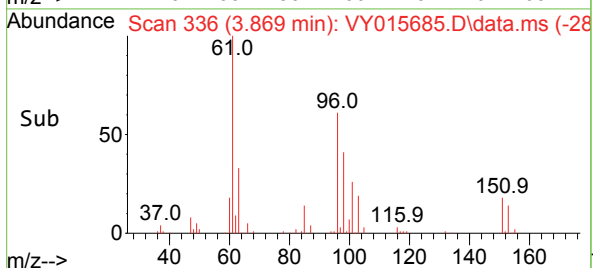
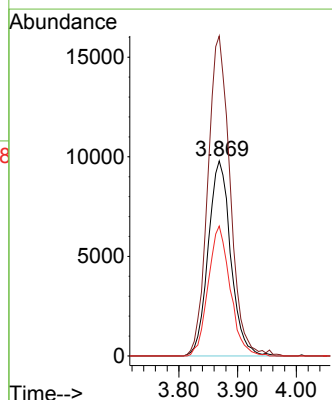
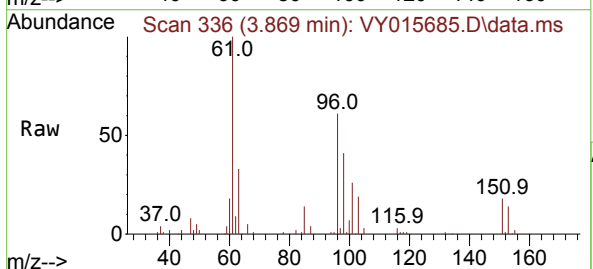
Instrument :  
MSVOA\_Y  
ClientSampleId :

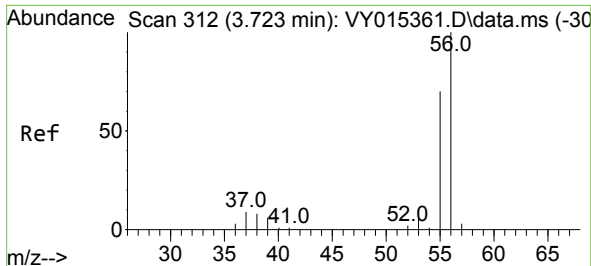
Tgt Ion: 59 Resp: 33276  
Ion Ratio Lower Upper  
59 100  
57 8.9 3.0 4.4#



#12  
1,1-Dichloroethene  
Concen: 19.203 ug/l  
RT: 3.869 min Scan# 336  
Delta R.T. 0.006 min  
Lab File: VY015685.D  
Acq: 22 Sep 2023 15:09

Tgt Ion: 96 Resp: 26123  
Ion Ratio Lower Upper  
96 100  
61 164.0 136.4 204.6  
98 66.6 49.4 74.2

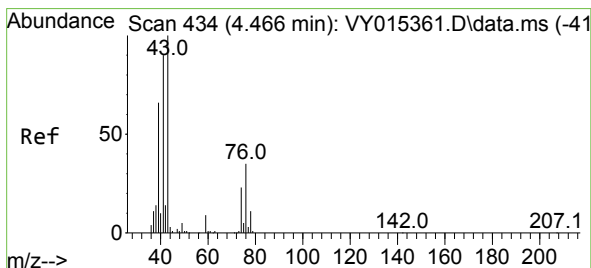
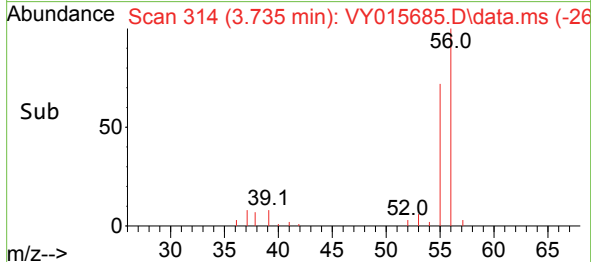
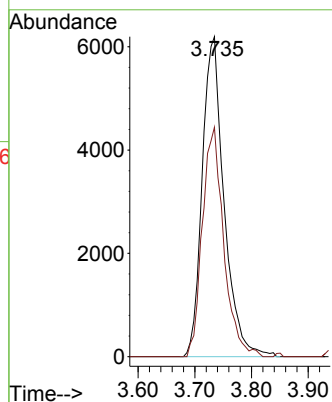
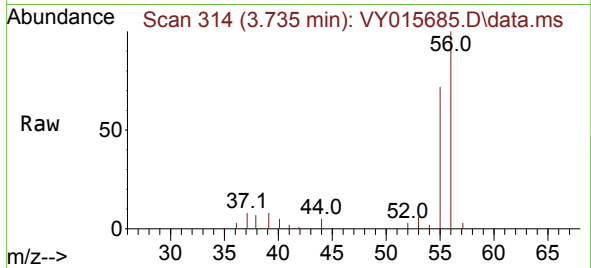




#13  
Acrolein  
Concen: 63.496 ug/l  
RT: 3.735 min Scan# 312  
Delta R.T. 0.012 min  
Lab File: VY015685.D  
Acq: 22 Sep 2023 15:09

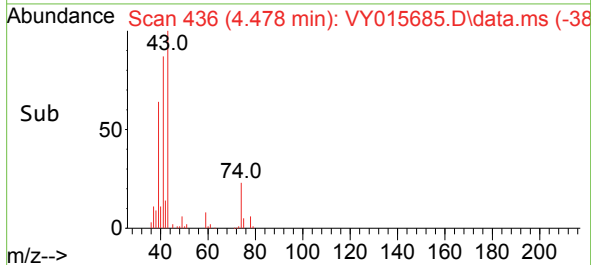
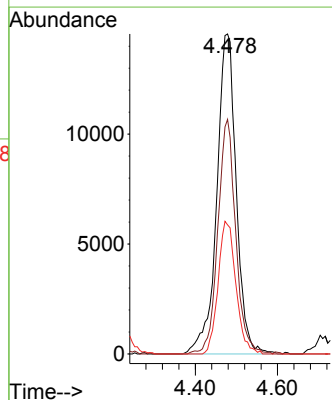
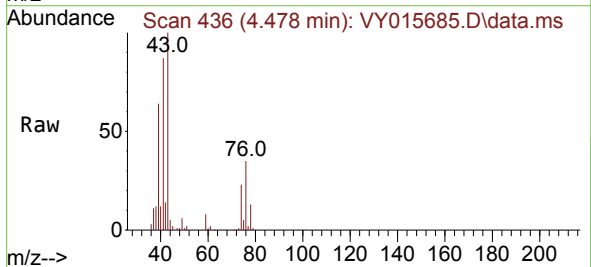
Instrument :  
MSVOA\_Y  
ClientSampleId :

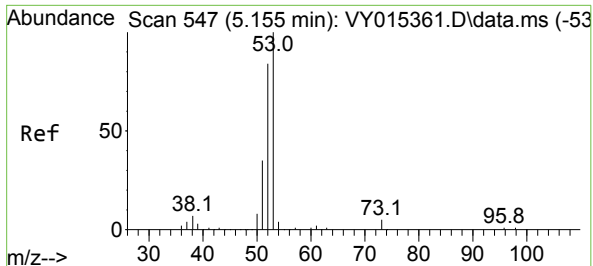
Tgt Ion: 56 Resp: 16544  
Ion Ratio Lower Upper  
56 100  
55 70.1 57.0 85.4



#14  
Allyl chloride  
Concen: 19.294 ug/l  
RT: 4.478 min Scan# 436  
Delta R.T. 0.006 min  
Lab File: VY015685.D  
Acq: 22 Sep 2023 15:09

Tgt Ion: 41 Resp: 47989  
Ion Ratio Lower Upper  
41 100  
39 67.1 58.0 87.0  
76 37.8 27.4 41.2

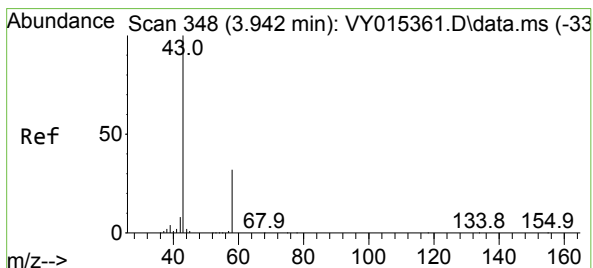
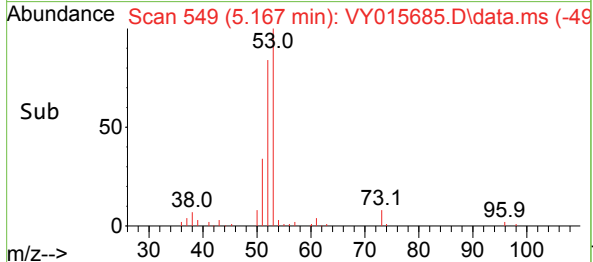
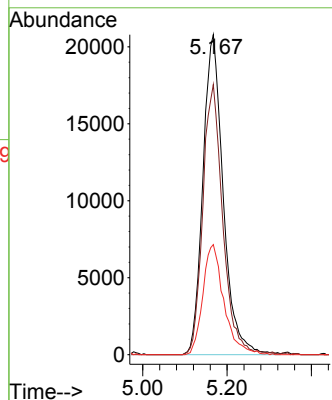
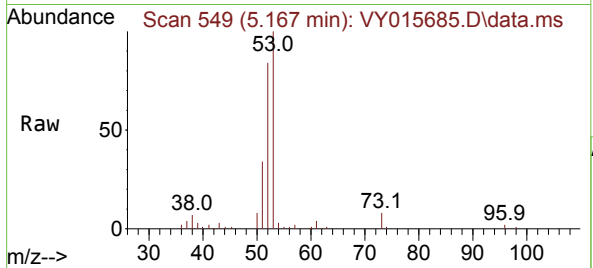




#15  
Acrylonitrile  
Concen: 90.285 ug/l  
RT: 5.167 min Scan# 54  
Delta R.T. 0.006 min  
Lab File: VY015685.D  
Acq: 22 Sep 2023 15:09

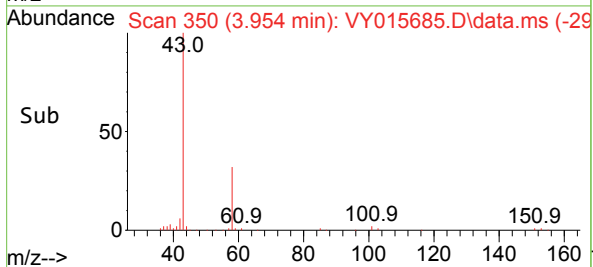
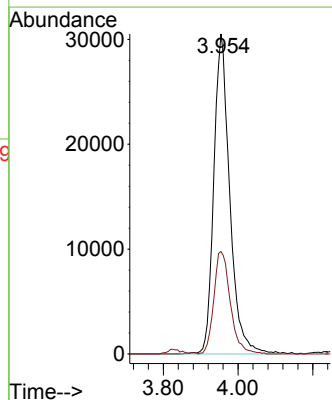
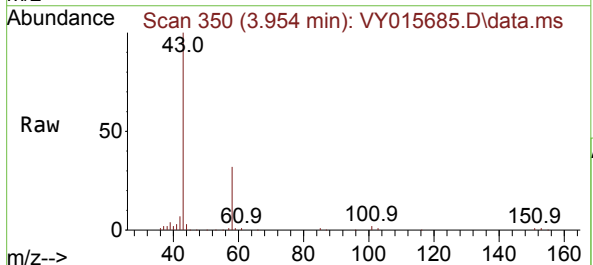
Instrument :  
MSVOA\_Y  
ClientSampleId :

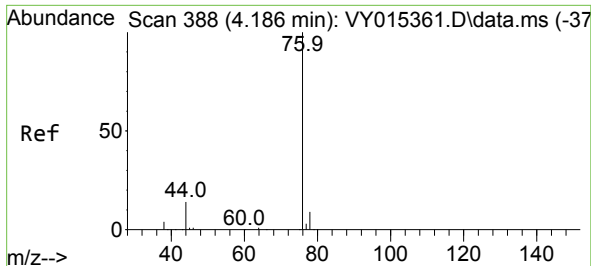
Tgt Ion: 53 Resp: 69639  
Ion Ratio Lower Upper  
53 100  
52 82.6 66.9 100.3  
51 35.8 29.8 44.6



#16  
Acetone  
Concen: 99.164 ug/l  
RT: 3.954 min Scan# 350  
Delta R.T. 0.012 min  
Lab File: VY015685.D  
Acq: 22 Sep 2023 15:09

Tgt Ion: 43 Resp: 90286  
Ion Ratio Lower Upper  
43 100  
58 32.0 22.7 34.1





#17

Carbon Disulfide

Concen: 17.269 ug/l

RT: 4.192 min Scan# 389

Delta R.T. 0.006 min

Lab File: VY015685.D

Acq: 22 Sep 2023 15:09

Instrument :

MSVOA\_Y

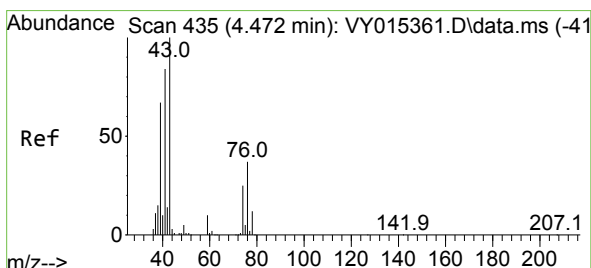
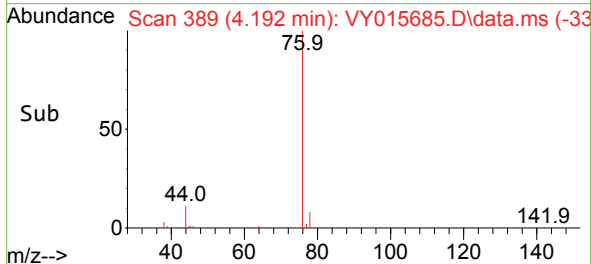
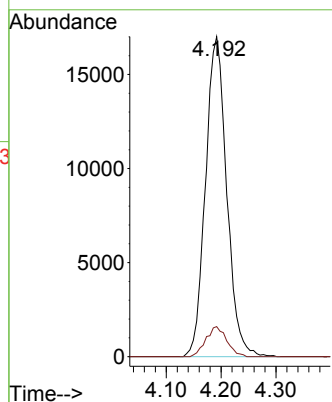
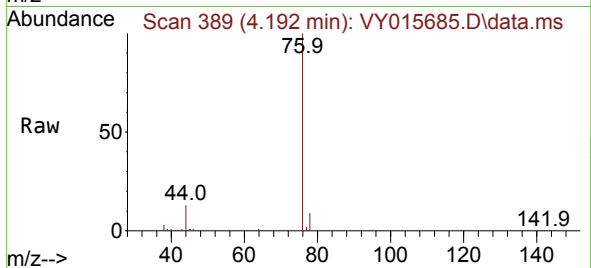
ClientSampleId :

Tgt Ion: 76 Resp: 45636

Ion Ratio Lower Upper

76 100

78 9.4 7.0 10.4



#18

Methyl Acetate

Concen: 17.301 ug/l

RT: 4.484 min Scan# 437

Delta R.T. 0.012 min

Lab File: VY015685.D

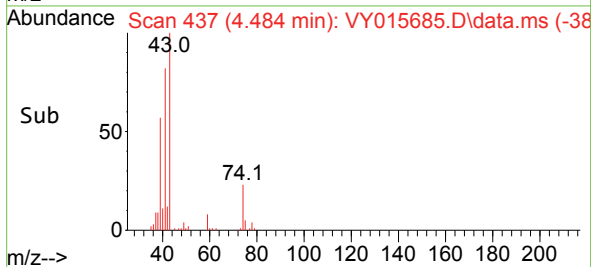
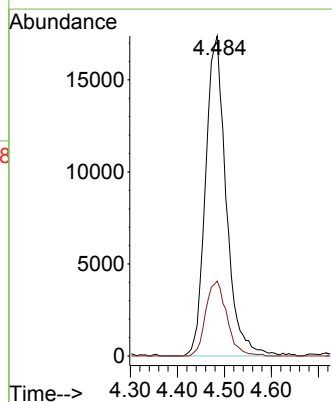
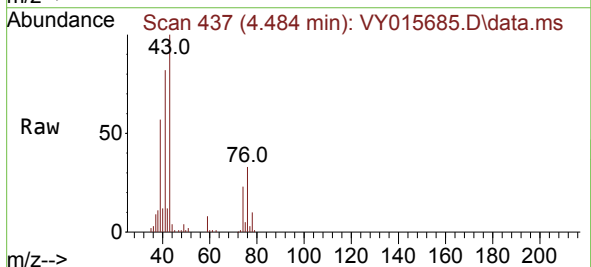
Acq: 22 Sep 2023 15:09

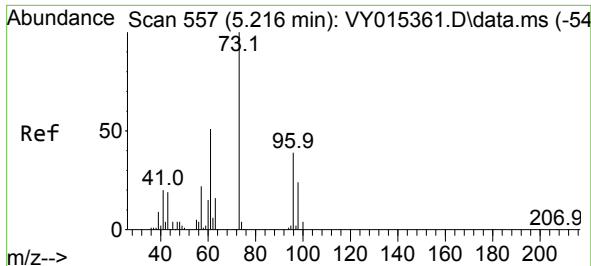
Tgt Ion: 43 Resp: 52851

Ion Ratio Lower Upper

43 100

74 24.1 17.4 26.0

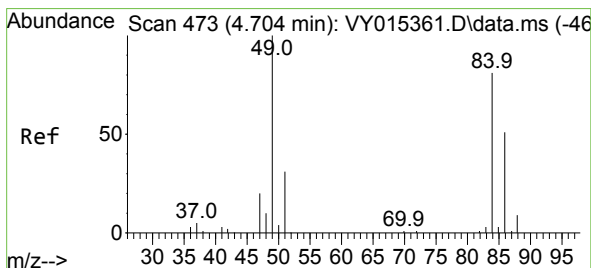
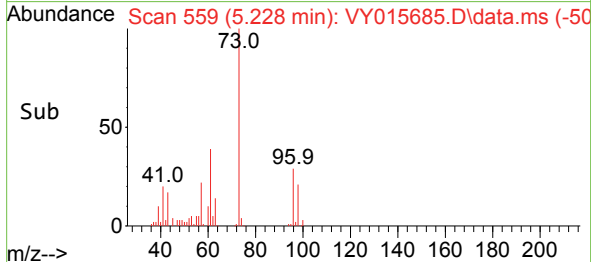
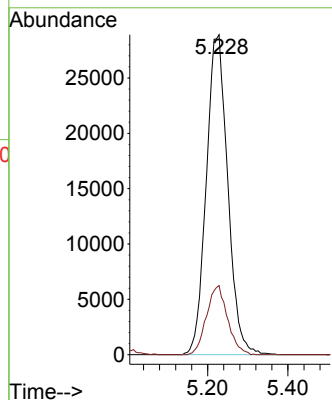
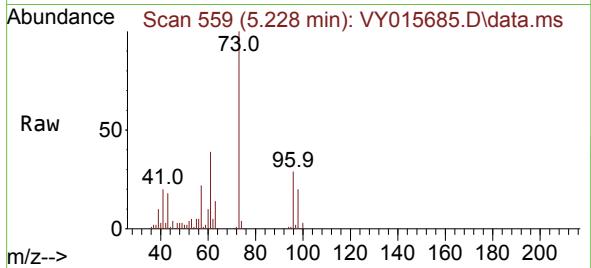




#19  
Methyl tert-butyl Ether  
Concen: 19.401 ug/l  
RT: 5.228 min Scan# 51  
Delta R.T. 0.018 min  
Lab File: VY015685.D  
Acq: 22 Sep 2023 15:09

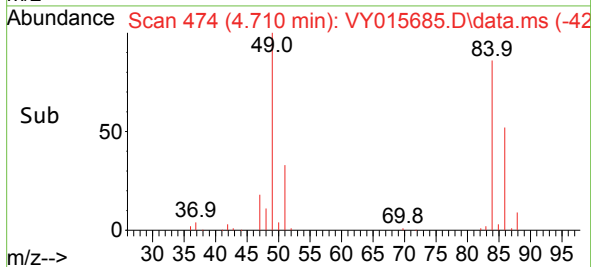
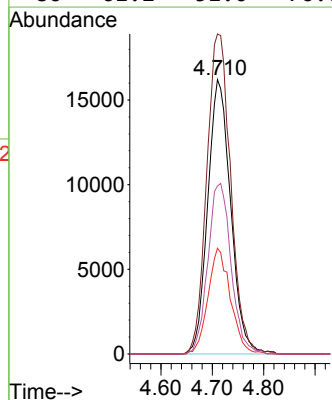
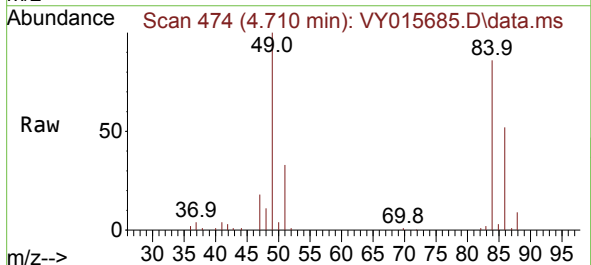
Instrument :  
MSVOA\_Y  
ClientSampleId :

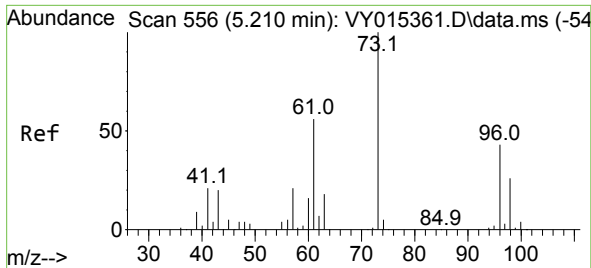
Tgt Ion: 73 Resp: 107492  
Ion Ratio Lower Upper  
73 100  
57 21.6 17.3 25.9



#20  
Methylene Chloride  
Concen: 22.583 ug/l  
RT: 4.710 min Scan# 474  
Delta R.T. 0.006 min  
Lab File: VY015685.D  
Acq: 22 Sep 2023 15:09

Tgt Ion: 84 Resp: 50321  
Ion Ratio Lower Upper  
84 100  
49 116.6 106.9 160.3  
51 38.5 33.2 49.8  
86 61.2 51.0 76.6

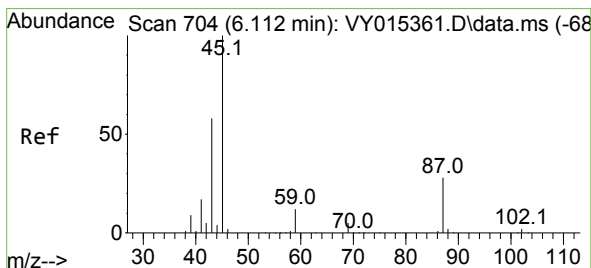
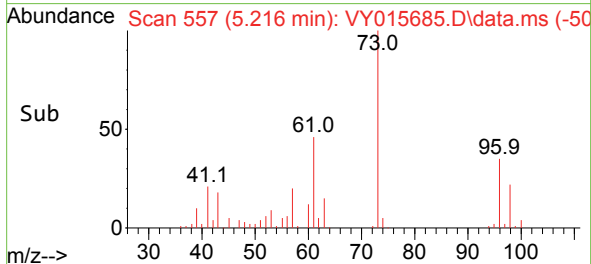
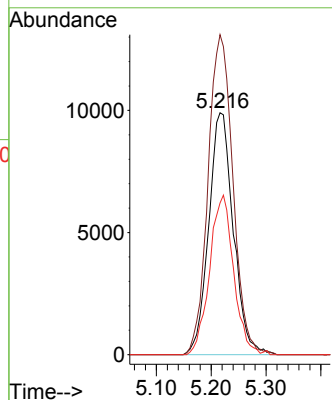
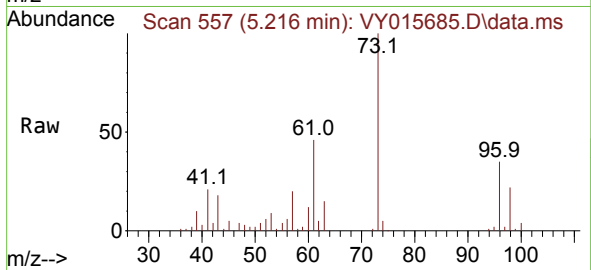




#21  
trans-1,2-Dichloroethene  
Concen: 19.840 ug/l  
RT: 5.216 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VY015685.D  
Acq: 22 Sep 2023 15:09

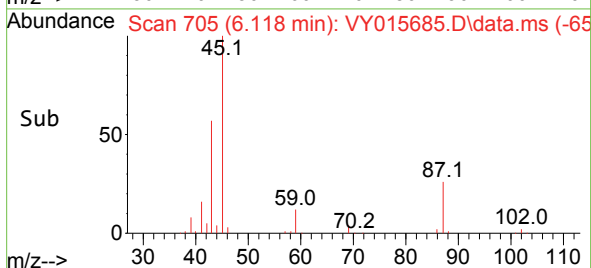
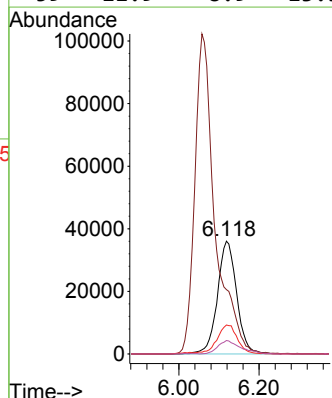
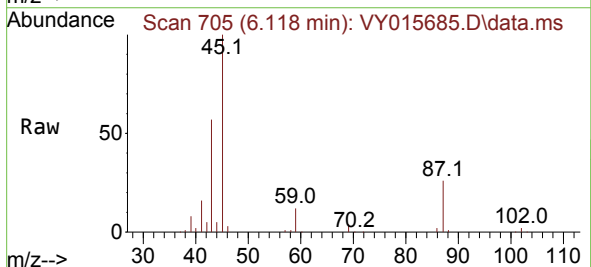
Instrument :  
MSVOA\_Y  
ClientSampleId :

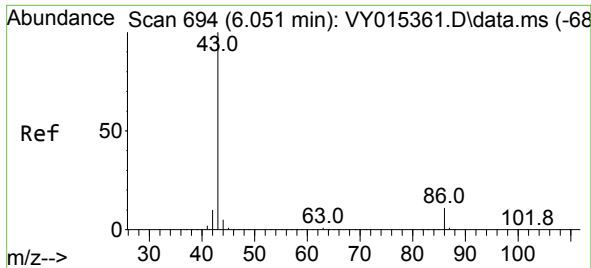
Tgt Ion: 96 Resp: 30849  
Ion Ratio Lower Upper  
96 100  
61 132.3 110.2 165.4  
98 62.7 51.8 77.6



#22  
Diisopropyl ether  
Concen: 20.079 ug/l  
RT: 6.118 min Scan# 705  
Delta R.T. 0.006 min  
Lab File: VY015685.D  
Acq: 22 Sep 2023 15:09

Tgt Ion: 45 Resp: 120189  
Ion Ratio Lower Upper  
45 100  
43 56.7 52.2 78.4  
87 25.7 21.0 31.6  
59 11.9 8.9 13.3





#23

Vinyl Acetate

Concen: 96.560 ug/l

RT: 6.057 min Scan# 694

Delta R.T. 0.006 min

Lab File: VY015685.D

Acq: 22 Sep 2023 15:09

Instrument :

MSVOA\_Y

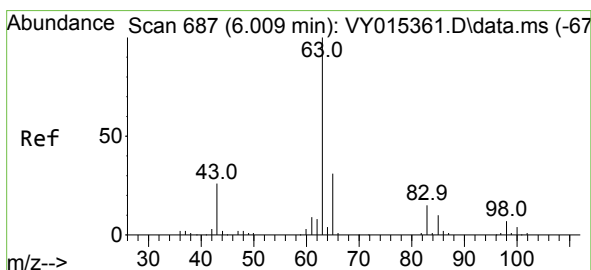
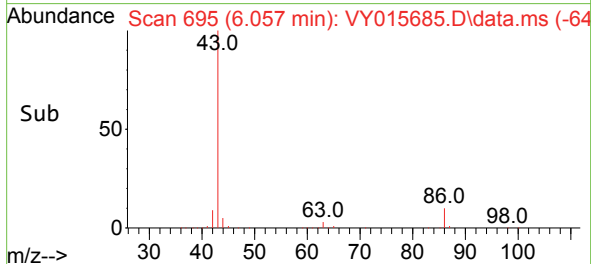
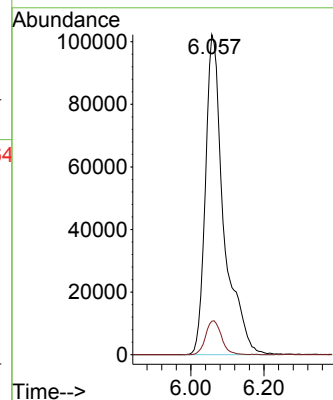
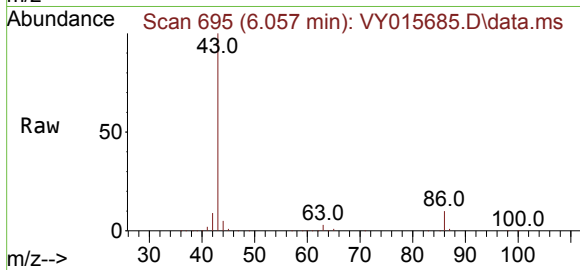
ClientSampleId :

Tgt Ion: 43 Resp: 356747

Ion Ratio Lower Upper

43 100

86 10.5 7.5 11.3



#24

1,1-Dichloroethane

Concen: 20.034 ug/l

RT: 6.015 min Scan# 688

Delta R.T. 0.012 min

Lab File: VY015685.D

Acq: 22 Sep 2023 15:09

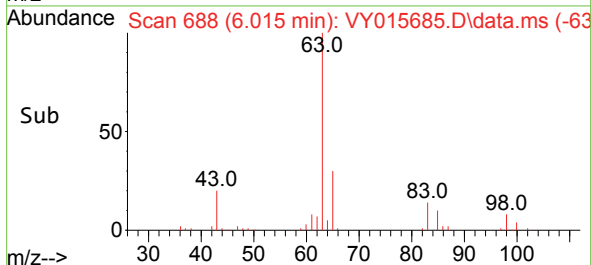
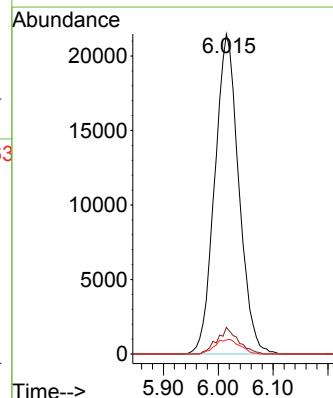
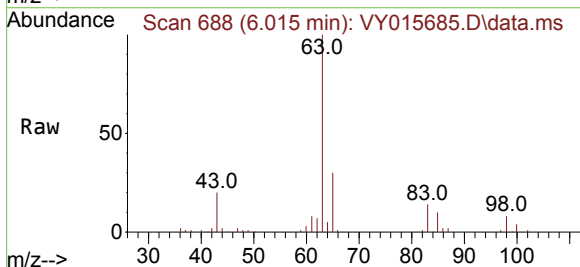
Tgt Ion: 63 Resp: 65364

Ion Ratio Lower Upper

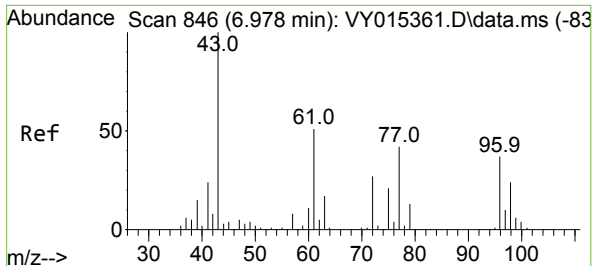
63 100

98 8.3 3.1 9.4

100 4.4 1.8 5.5







#25

2-Butanone

Concen: 92.403 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.006 min

Lab File: VY015685.D

Acq: 22 Sep 2023 15:09

Instrument :

MSVOA\_Y

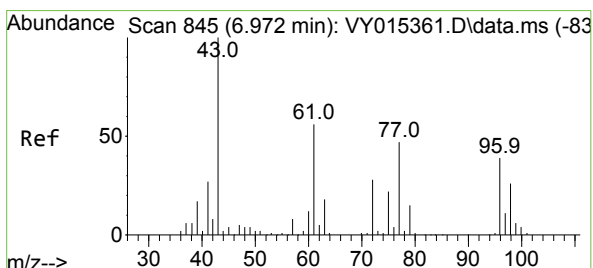
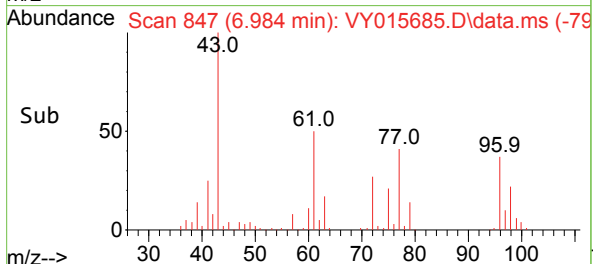
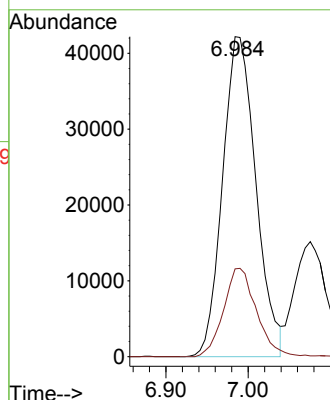
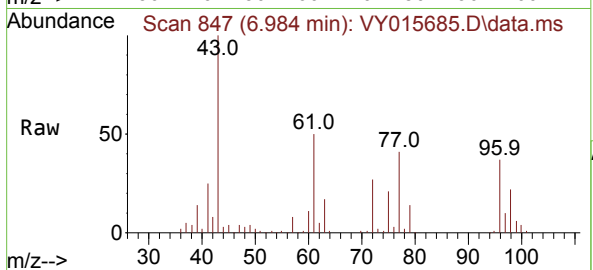
ClientSampleId :

Tgt Ion: 43 Resp: 118915

Ion Ratio Lower Upper

43 100

72 27.5 20.5 30.7



#26

2,2-Dichloropropane

Concen: 18.974 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.006 min

Lab File: VY015685.D

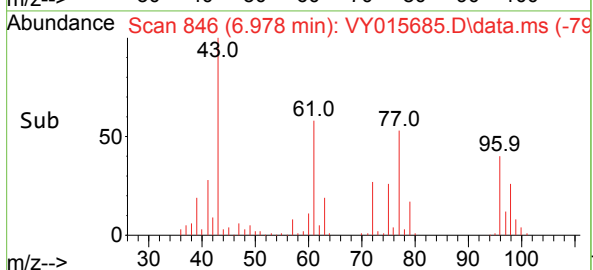
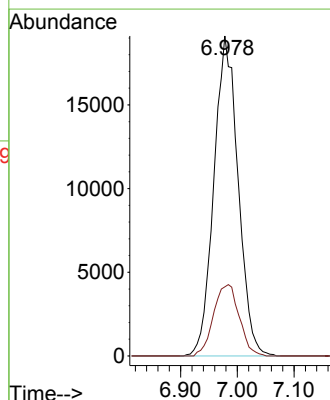
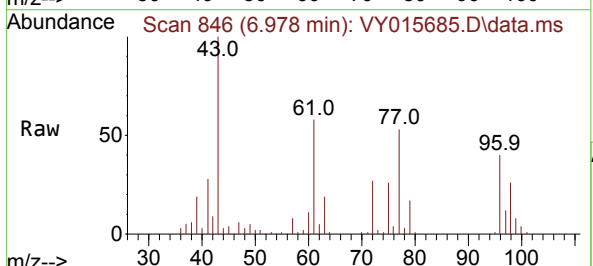
Acq: 22 Sep 2023 15:09

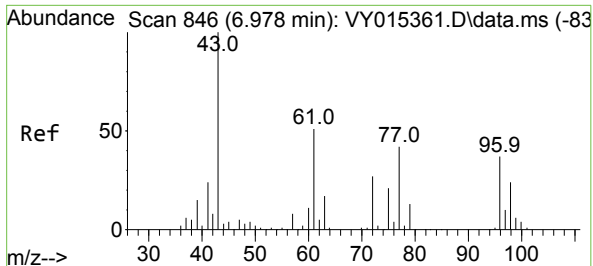
Tgt Ion: 77 Resp: 56581

Ion Ratio Lower Upper

77 100

97 23.6 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 19.841 ug/l

RT: 6.984 min Scan# 846

Delta R.T. 0.006 min

Lab File: VY015685.D

Acq: 22 Sep 2023 15:09

Instrument :

MSVOA\_Y

ClientSampleId :

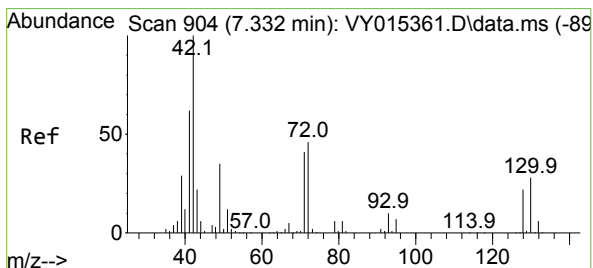
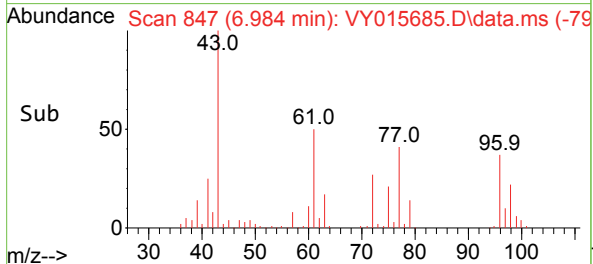
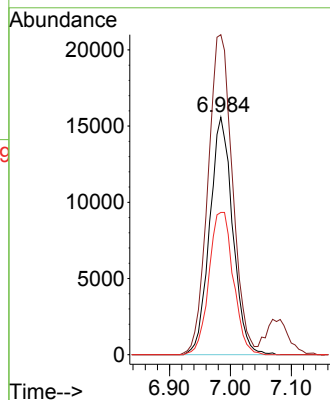
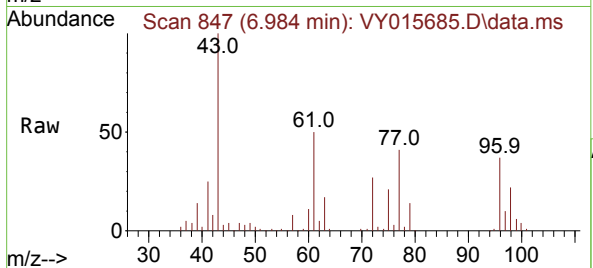
Tgt Ion: 96 Resp: 40957

Ion Ratio Lower Upper

96 100

61 143.2 0.0 301.4

98 63.4 0.0 130.4



#28

Bromochloromethane

Concen: 16.357 ug/l

RT: 7.332 min Scan# 904

Delta R.T. 0.006 min

Lab File: VY015685.D

Acq: 22 Sep 2023 15:09

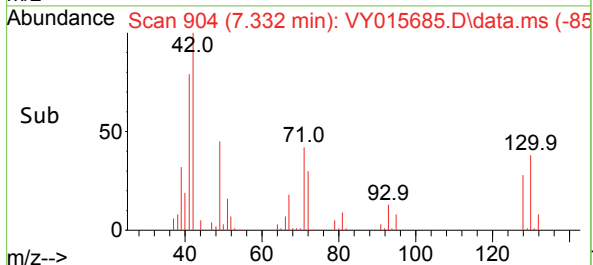
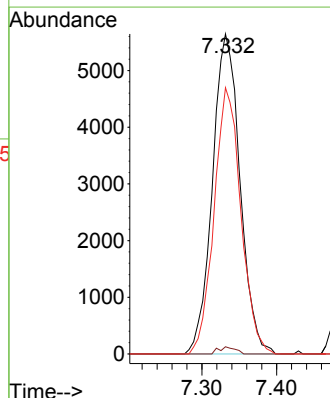
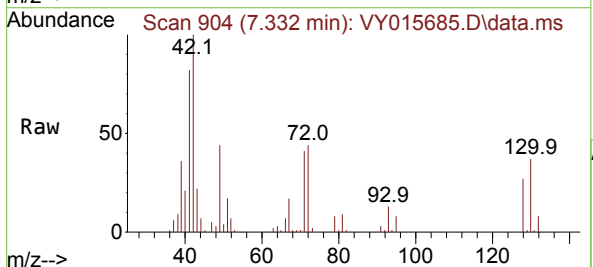
Tgt Ion: 49 Resp: 14479

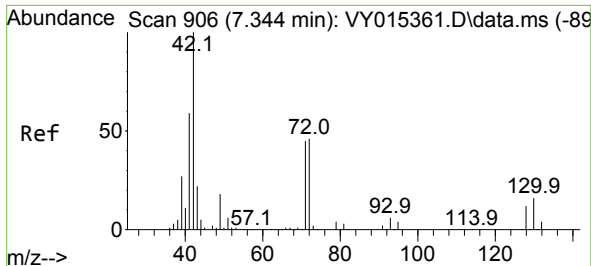
Ion Ratio Lower Upper

49 100

129 1.4 0.0 4.6

130 80.9 60.7 91.1





#29

Tetrahydrofuran

Concen: 86.883 ug/l

RT: 7.350 min Scan# 906

Delta R.T. 0.006 min

Lab File: VY015685.D

Acq: 22 Sep 2023 15:09

Instrument :

MSVOA\_Y

ClientSampleId :

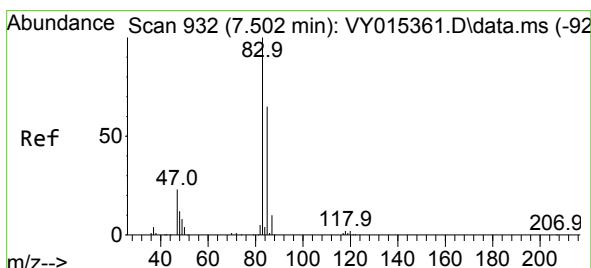
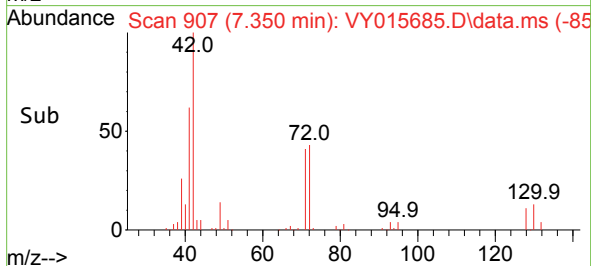
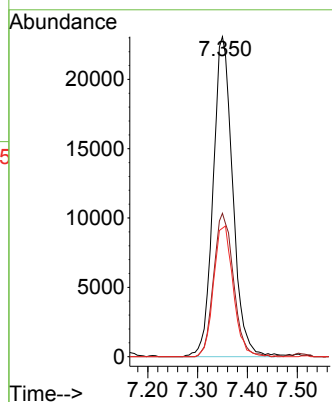
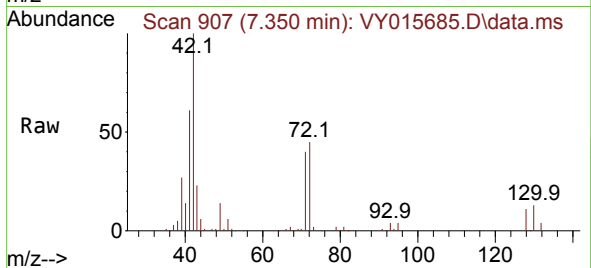
Tgt Ion: 42 Resp: 63197

Ion Ratio Lower Upper

42 100

72 45.3 32.8 49.2

71 41.0 31.0 46.4



#30

Chloroform

Concen: 20.530 ug/l

RT: 7.502 min Scan# 932

Delta R.T. 0.006 min

Lab File: VY015685.D

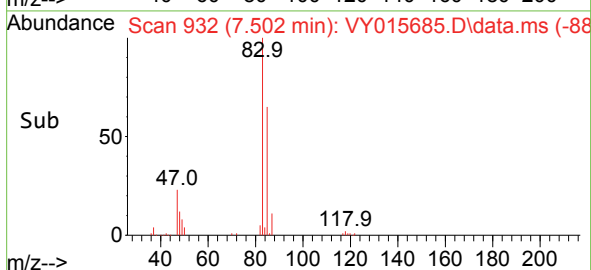
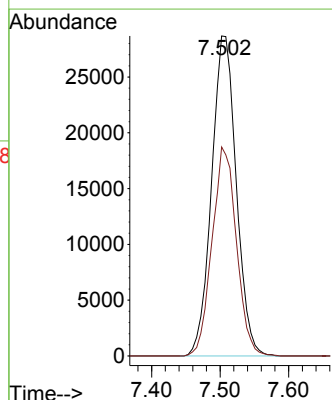
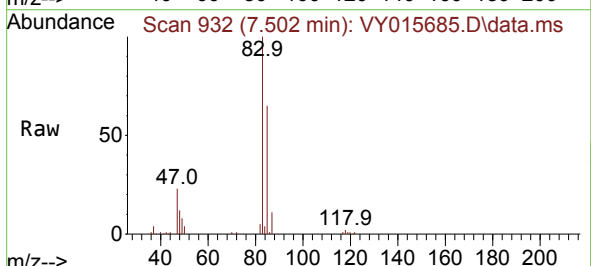
Acq: 22 Sep 2023 15:09

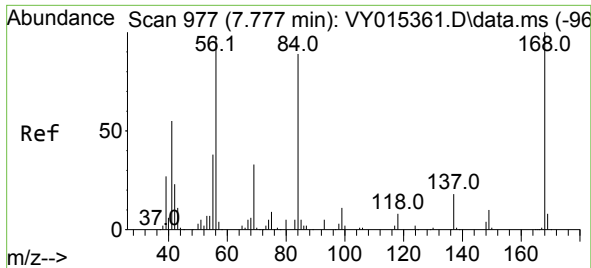
Tgt Ion: 83 Resp: 71729

Ion Ratio Lower Upper

83 100

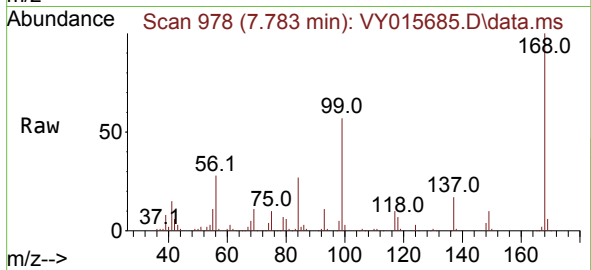
85 65.3 49.7 74.5



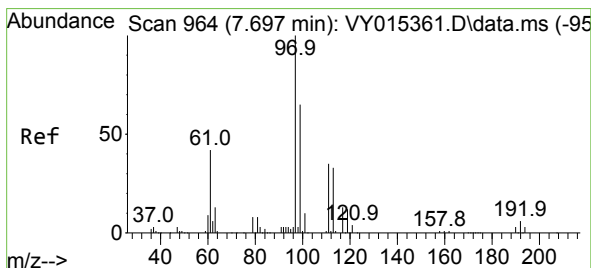
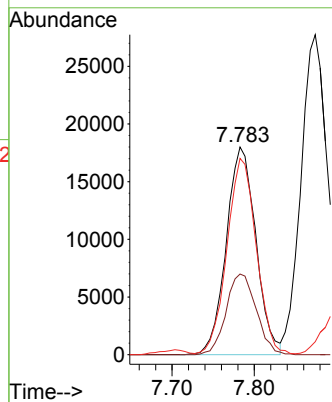
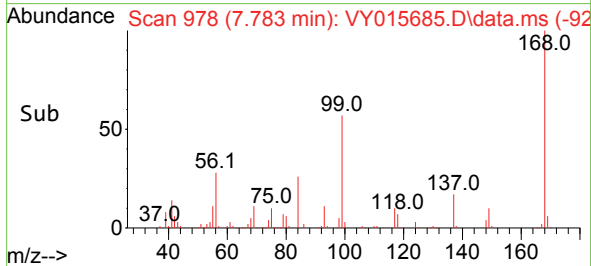


#31  
Cyclohexane  
Concen: 19.119 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY015685.D  
Acq: 22 Sep 2023 15:09

Instrument :  
MSVOA\_Y  
ClientSampleId :

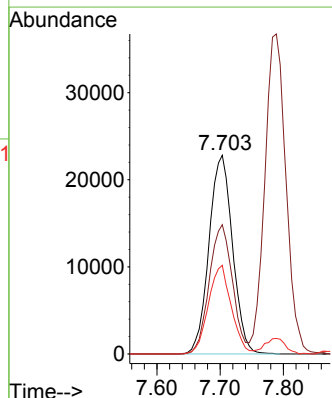
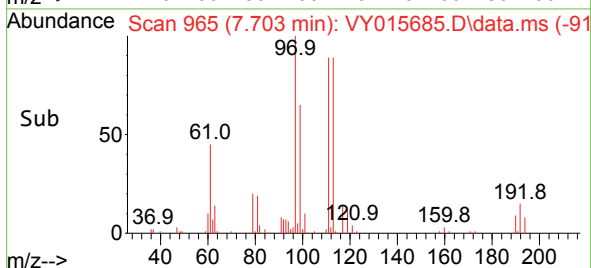
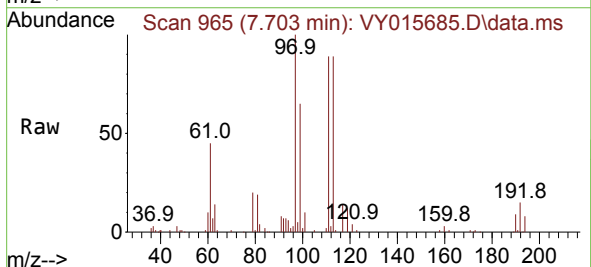


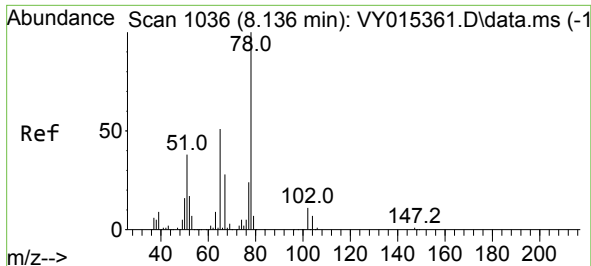
Tgt Ion: 56 Resp: 45060  
Ion Ratio Lower Upper  
56 100  
69 38.8 27.8 41.6  
84 92.4 66.4 99.6



#32  
1,1,1-Trichloroethane  
Concen: 20.467 ug/l  
RT: 7.703 min Scan# 965  
Delta R.T. 0.012 min  
Lab File: VY015685.D  
Acq: 22 Sep 2023 15:09

Tgt Ion: 97 Resp: 59033  
Ion Ratio Lower Upper  
97 100  
99 64.7 50.8 76.2  
61 43.6 35.1 52.7

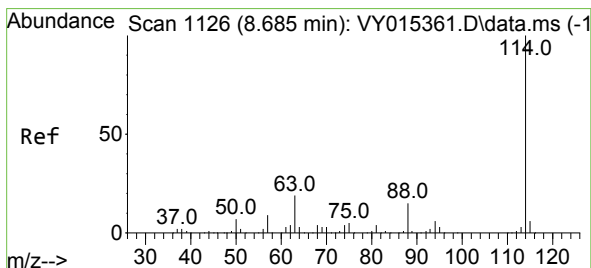
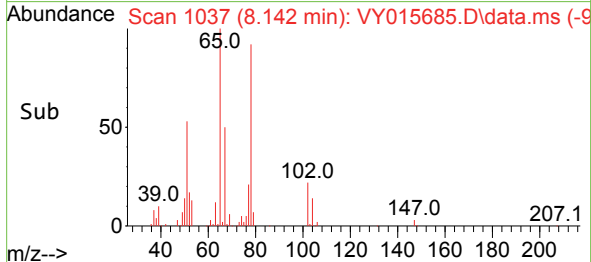
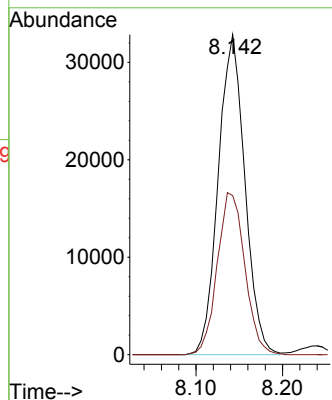
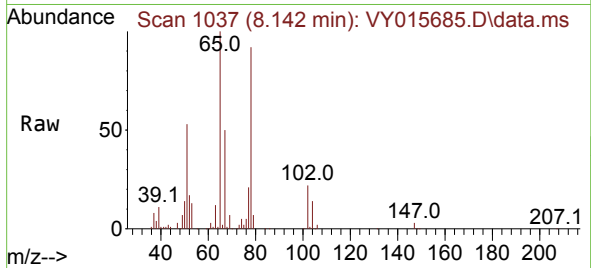




#33  
 1,2-Dichloroethane-d4  
 Concen: 41.195 ug/l  
 RT: 8.142 min Scan# 110  
 Delta R.T. 0.006 min  
 Lab File: VY015685.D  
 Acq: 22 Sep 2023 15:09

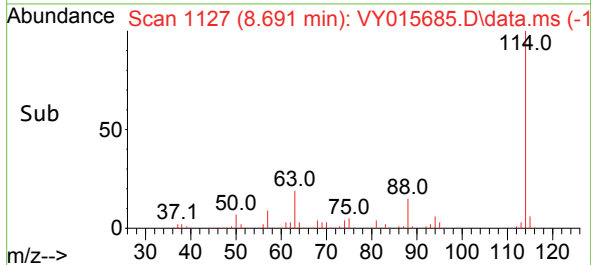
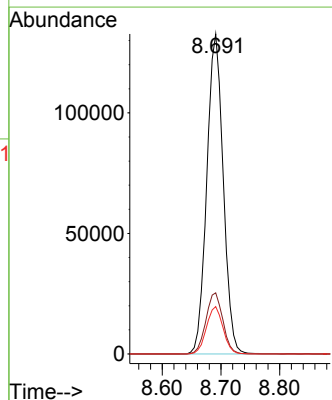
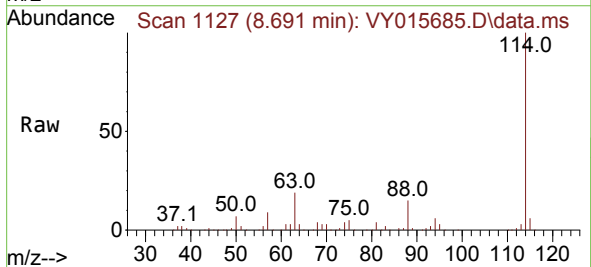
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

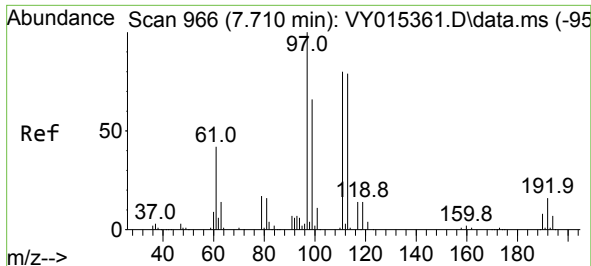
Tgt Ion: 65 Resp: 70085  
 Ion Ratio Lower Upper  
 65 100  
 67 52.5 0.0 101.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.691 min Scan# 1127  
 Delta R.T. 0.006 min  
 Lab File: VY015685.D  
 Acq: 22 Sep 2023 15:09

Tgt Ion:114 Resp: 257635  
 Ion Ratio Lower Upper  
 114 100  
 63 19.1 0.0 42.4  
 88 14.8 0.0 30.6

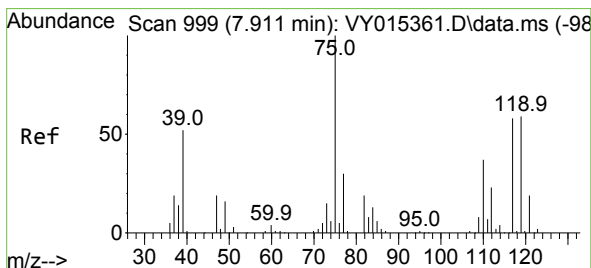
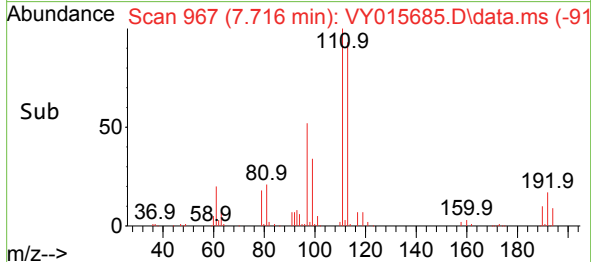
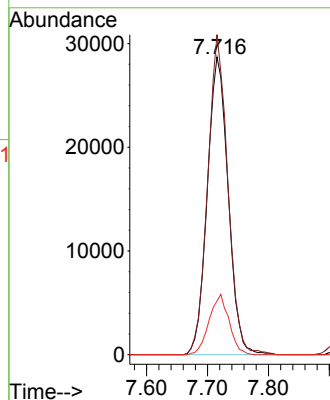
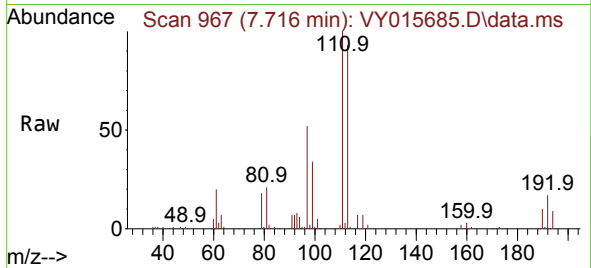




#35  
Dibromofluoromethane  
Concen: 44.395 ug/l  
RT: 7.716 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY015685.D  
Acq: 22 Sep 2023 15:09

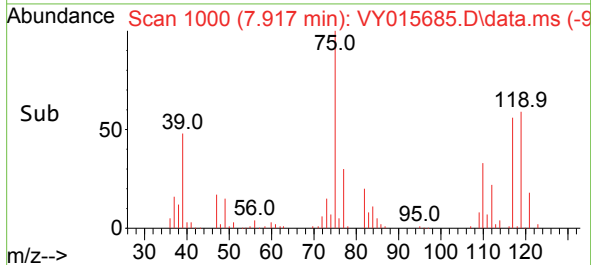
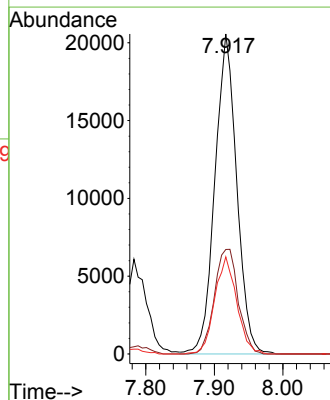
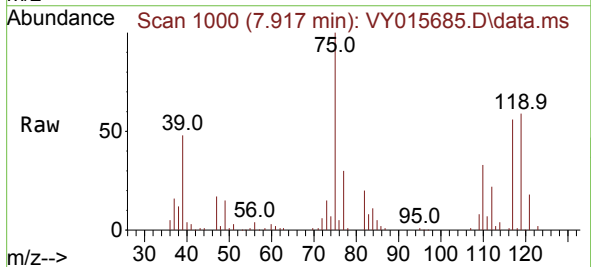
Instrument :  
MSVOA\_Y  
ClientSampleId :

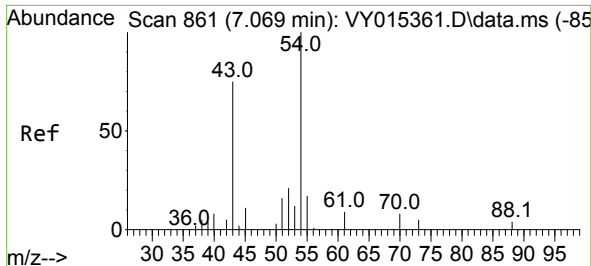
Tgt Ion:113 Resp: 68459  
Ion Ratio Lower Upper  
113 100  
111 103.8 81.3 121.9  
192 19.3 16.9 25.3



#36  
1,1-Dichloropropene  
Concen: 19.930 ug/l  
RT: 7.917 min Scan# 1000  
Delta R.T. 0.006 min  
Lab File: VY015685.D  
Acq: 22 Sep 2023 15:09

Tgt Ion: 75 Resp: 45440  
Ion Ratio Lower Upper  
75 100  
110 35.8 17.8 53.5  
77 30.6 24.4 36.6





#37

Ethyl Acetate

Concen: 18.677 ug/l

RT: 7.075 min Scan# 80

Delta R.T. 0.012 min

Lab File: VY015685.D

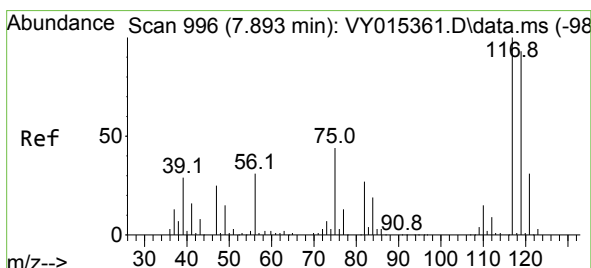
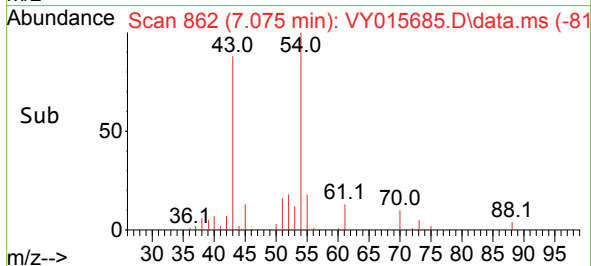
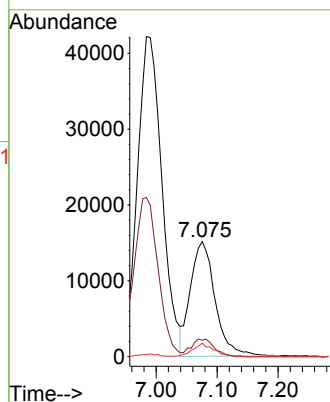
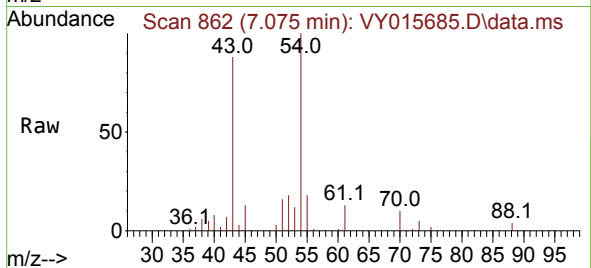
Acq: 22 Sep 2023 15:09

Instrument :

MSVOA\_Y

ClientSampleId :

|             |                |
|-------------|----------------|
| Tgt Ion: 43 | Resp: 42476    |
| Ion Ratio   | Lower Upper    |
| 43          | 100            |
| 61          | 14.7 10.1 15.1 |
| 70          | 9.9 7.1 10.7   |



#38

Carbon Tetrachloride

Concen: 20.824 ug/l

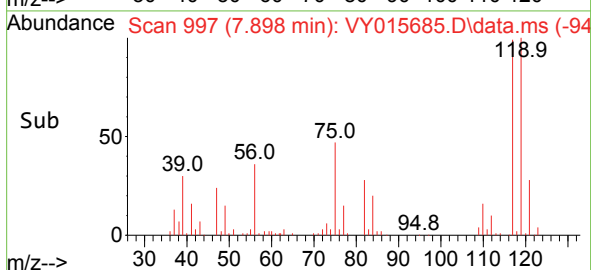
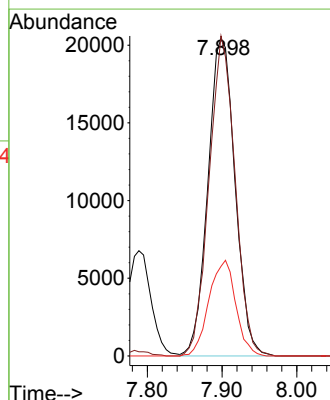
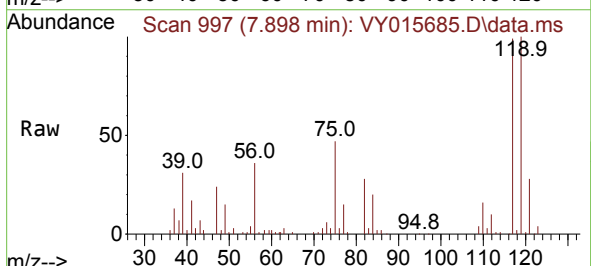
RT: 7.898 min Scan# 997

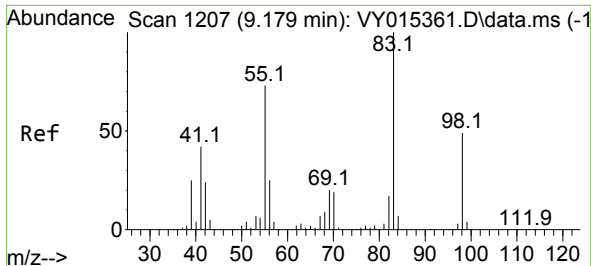
Delta R.T. 0.005 min

Lab File: VY015685.D

Acq: 22 Sep 2023 15:09

|              |                  |
|--------------|------------------|
| Tgt Ion: 117 | Resp: 51538      |
| Ion Ratio    | Lower Upper      |
| 117          | 100              |
| 119          | 100.7 76.4 114.6 |
| 121          | 28.2 25.8 38.6   |





#39

Methylcyclohexane

Concen: 18.934 ug/l

RT: 9.185 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY015685.D

Acq: 22 Sep 2023 15:09

Instrument :

MSVOA\_Y

ClientSampleId :

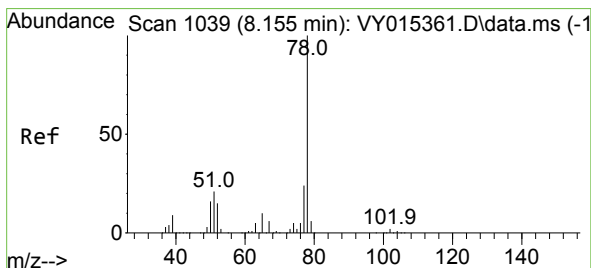
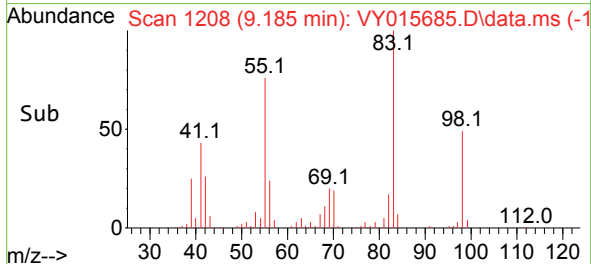
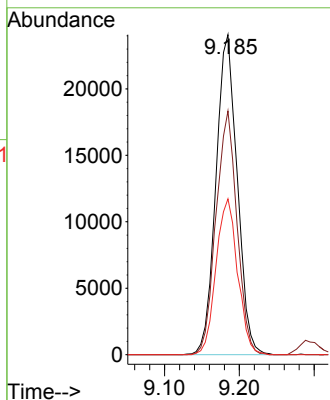
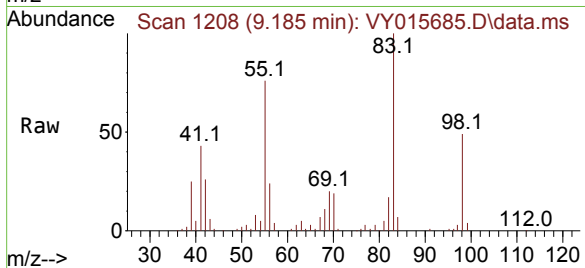
Tgt Ion: 83 Resp: 47747

Ion Ratio Lower Upper

83 100

55 76.1 63.0 94.4

98 48.7 37.4 56.2



#40

Benzene

Concen: 19.933 ug/l

RT: 8.161 min Scan# 1040

Delta R.T. 0.012 min

Lab File: VY015685.D

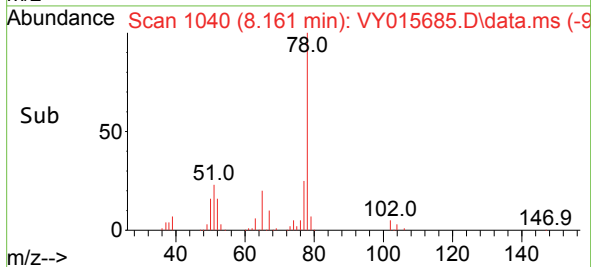
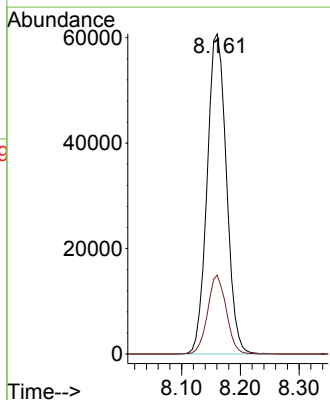
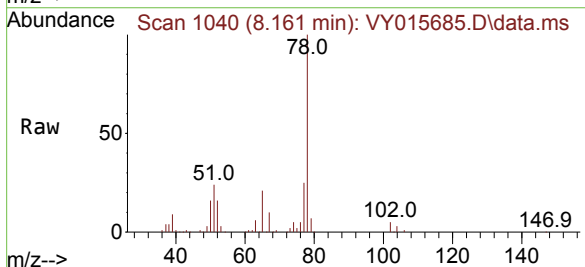
Acq: 22 Sep 2023 15:09

Tgt Ion: 78 Resp: 138598

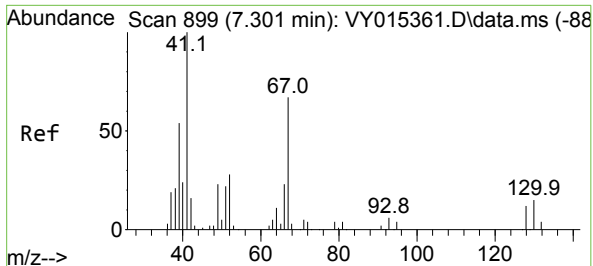
Ion Ratio Lower Upper

78 100

77 24.6 19.0 28.6



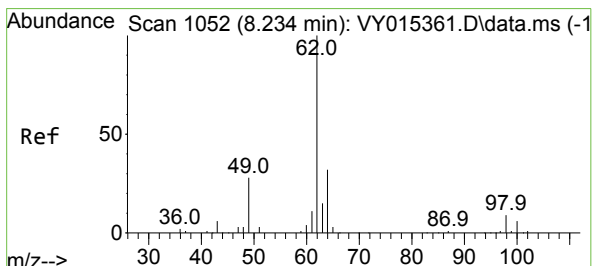
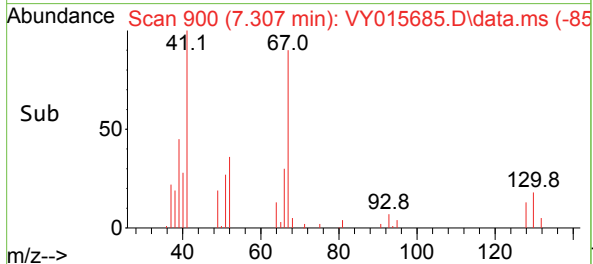
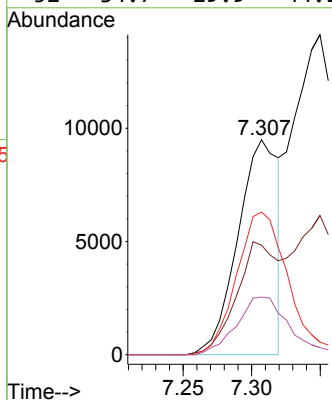
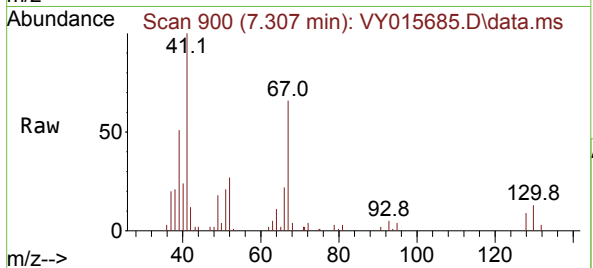




#41  
Methacrylonitrile  
Concen: 15.934 ug/l  
RT: 7.307 min Scan# 900  
Delta R.T. -0.006 min  
Lab File: VY015685.D  
Acq: 22 Sep 2023 15:09

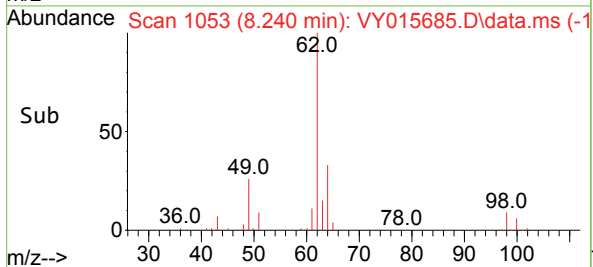
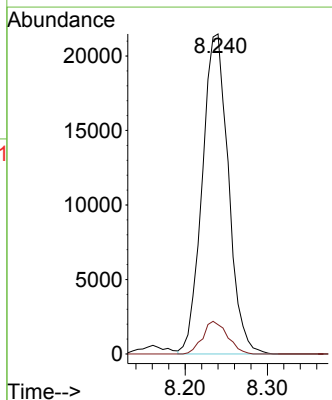
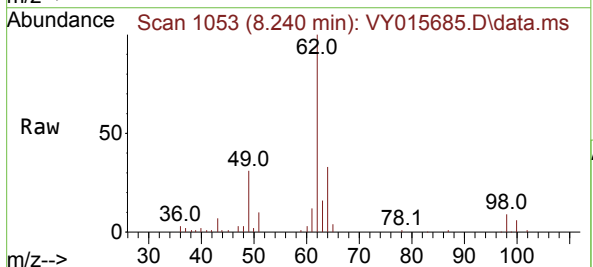
Instrument :  
MSVOA\_Y  
ClientSampleId :

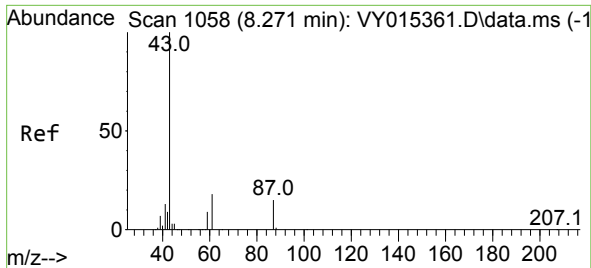
|             |             |
|-------------|-------------|
| Tgt Ion: 41 | Resp: 19512 |
| Ion Ratio   | Lower Upper |
| 41 100      |             |
| 39 52.2     | 52.1 78.1   |
| 67 84.5     | 66.2 99.2   |
| 52 34.7     | 29.9 44.9   |



#42  
1,2-Dichloroethane  
Concen: 19.955 ug/l  
RT: 8.240 min Scan# 1053  
Delta R.T. 0.006 min  
Lab File: VY015685.D  
Acq: 22 Sep 2023 15:09

|             |             |
|-------------|-------------|
| Tgt Ion: 62 | Resp: 47518 |
| Ion Ratio   | Lower Upper |
| 62 100      |             |
| 98 9.7      | 0.0 15.8    |

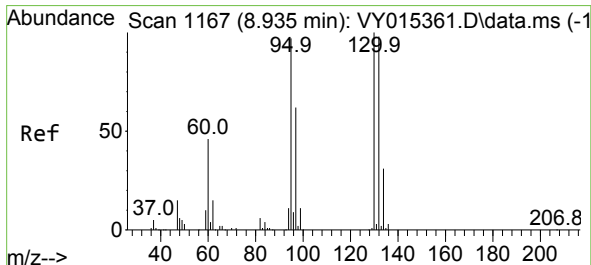
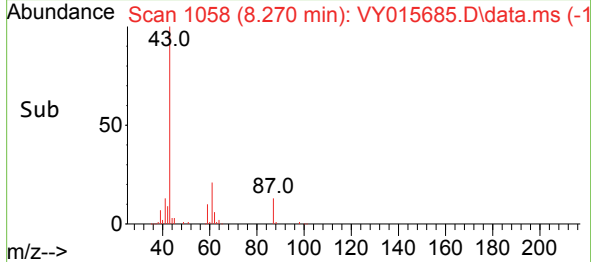
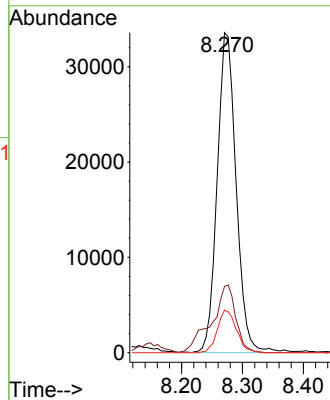
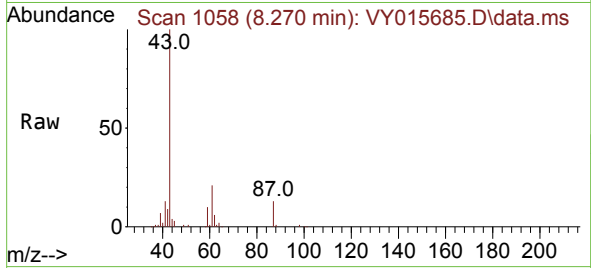




#43  
Isopropyl Acetate  
Concen: 18.662 ug/l  
RT: 8.270 min Scan# 1105  
Delta R.T. 0.006 min  
Lab File: VY015685.D  
Acq: 22 Sep 2023 15:09

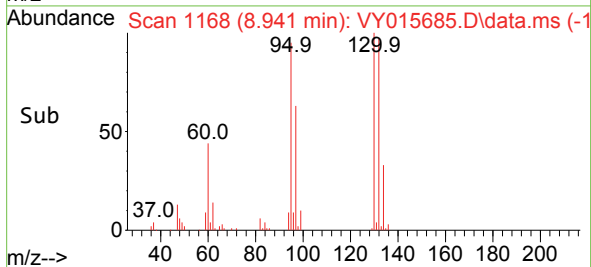
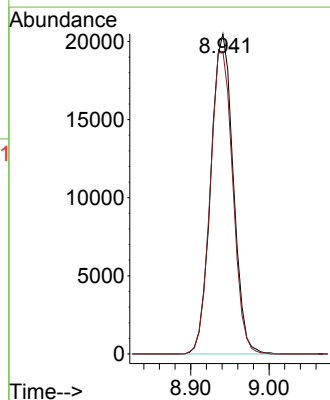
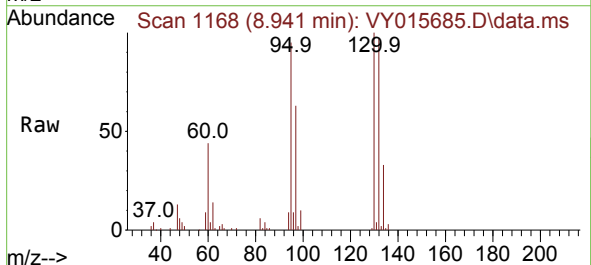
Instrument :  
MSVOA\_Y  
ClientSampleId :

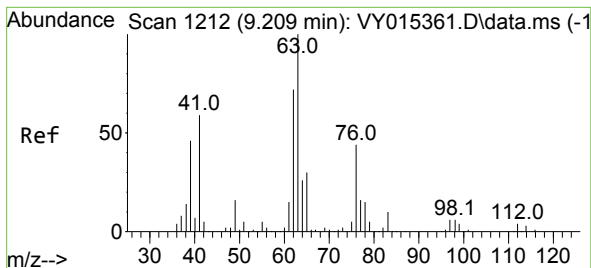
|             |                |
|-------------|----------------|
| Tgt Ion: 43 | Resp: 72498    |
| Ion Ratio   | Lower Upper    |
| 43          | 100            |
| 61          | 27.2 21.1 31.7 |
| 87          | 13.3 9.8 14.8  |



#44  
Trichloroethene  
Concen: 20.916 ug/l  
RT: 8.941 min Scan# 1168  
Delta R.T. 0.006 min  
Lab File: VY015685.D  
Acq: 22 Sep 2023 15:09

|              |                |
|--------------|----------------|
| Tgt Ion: 130 | Resp: 40618    |
| Ion Ratio    | Lower Upper    |
| 130          | 100            |
| 95           | 94.6 0.0 196.0 |





#45

1,2-Dichloropropane

Concen: 20.787 ug/l

RT: 9.215 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY015685.D

Acq: 22 Sep 2023 15:09

Instrument :

MSVOA\_Y

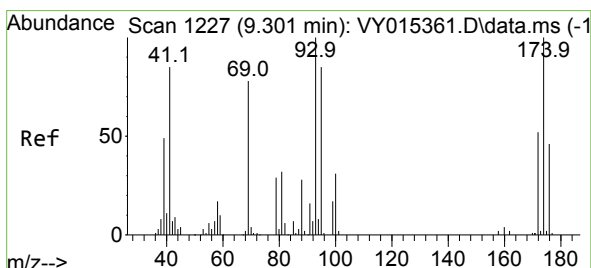
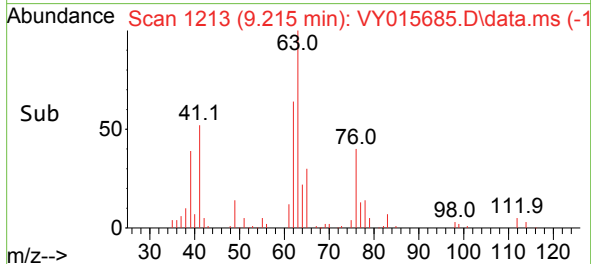
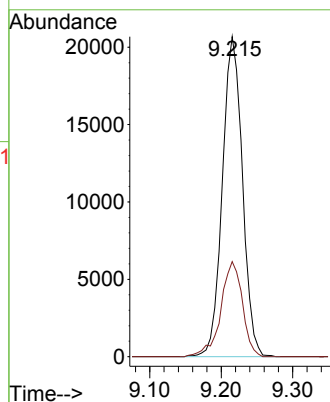
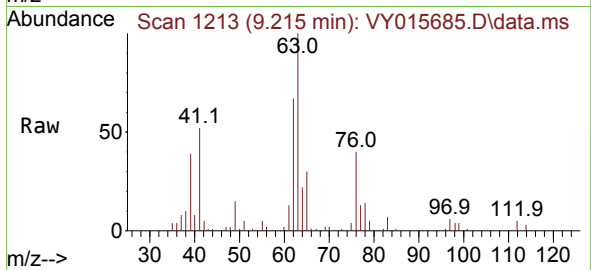
ClientSampleId :

Tgt Ion: 63 Resp: 40305

Ion Ratio Lower Upper

63 100

65 29.7 23.8 35.6



#46

Dibromomethane

Concen: 19.633 ug/l

RT: 9.307 min Scan# 1228

Delta R.T. 0.012 min

Lab File: VY015685.D

Acq: 22 Sep 2023 15:09

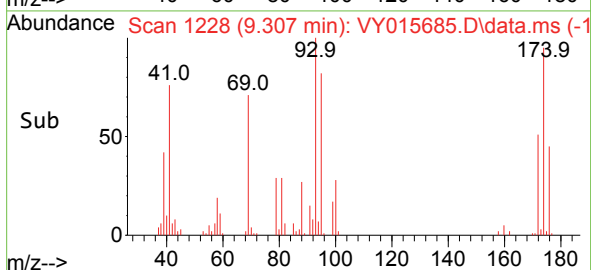
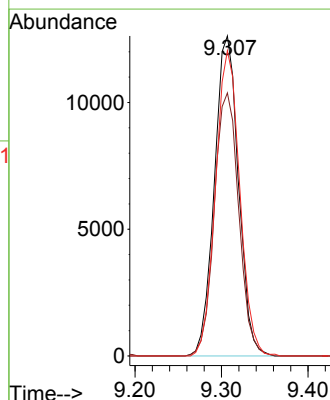
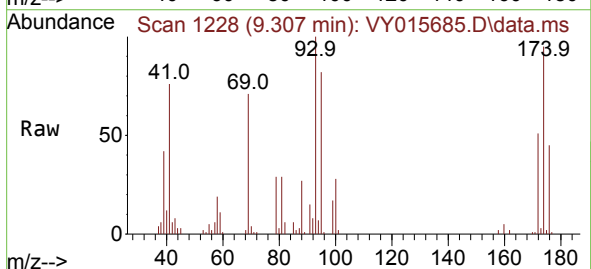
Tgt Ion: 93 Resp: 24351

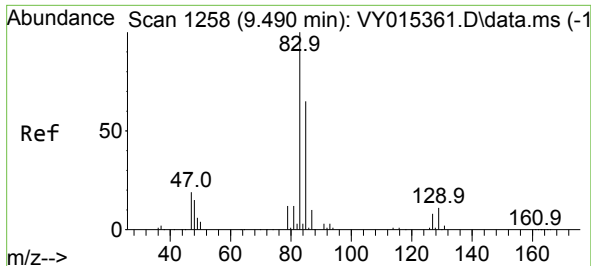
Ion Ratio Lower Upper

93 100

95 83.6 66.6 100.0

174 96.2 84.8 127.2

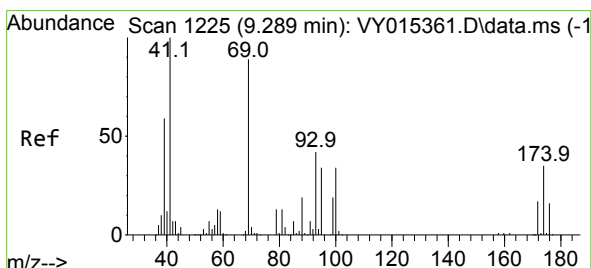
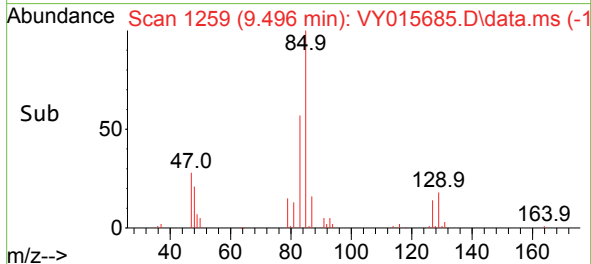
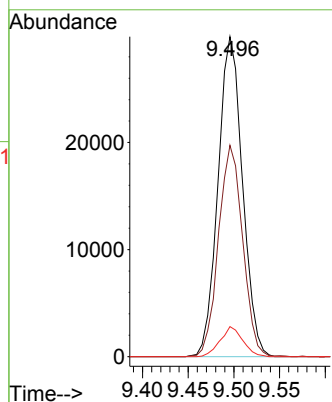
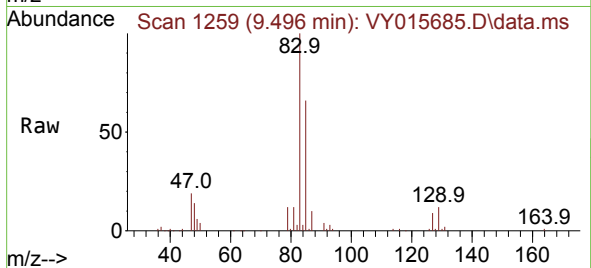




#47  
Bromodichloromethane  
Concen: 20.132 ug/l  
RT: 9.496 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY015685.D  
Acq: 22 Sep 2023 15:09

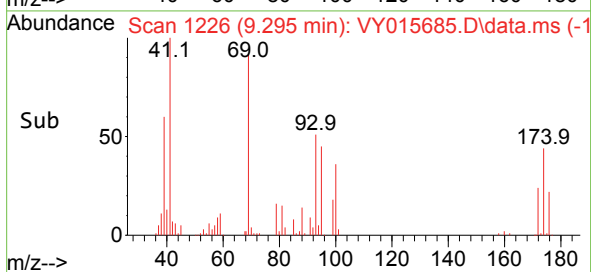
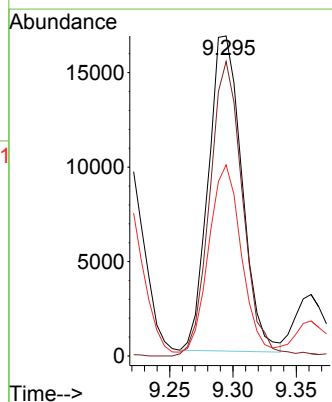
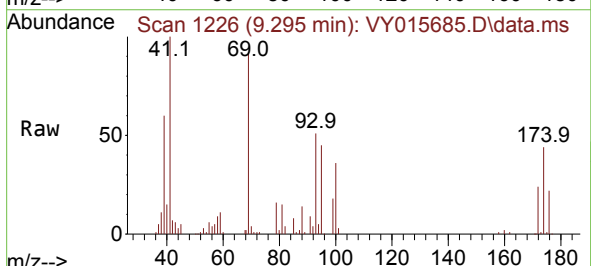
Instrument :  
MSVOA\_Y  
ClientSampleId :

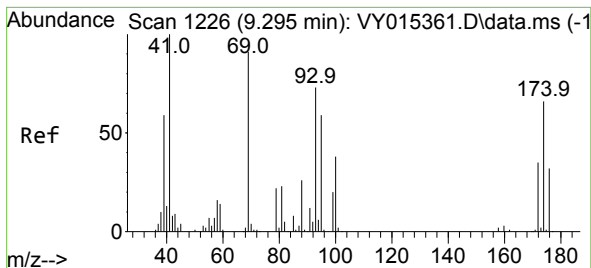
Tgt Ion: 83 Resp: 55657  
Ion Ratio Lower Upper  
83 100  
85 66.1 50.1 75.1  
127 9.4 7.1 10.7



#48  
Methyl methacrylate  
Concen: 18.114 ug/l  
RT: 9.295 min Scan# 1226  
Delta R.T. 0.006 min  
Lab File: VY015685.D  
Acq: 22 Sep 2023 15:09

Tgt Ion: 41 Resp: 30887  
Ion Ratio Lower Upper  
41 100  
69 92.1 64.5 96.7  
39 59.5 50.8 76.2





#49

1,4-Dioxane

Concen: 353.215 ug/l

RT: 9.307 min Scan# 1226

Delta R.T. 0.018 min

Lab File: VY015685.D

Acq: 22 Sep 2023 15:09

Instrument :

MSVOA\_Y

ClientSampleId :

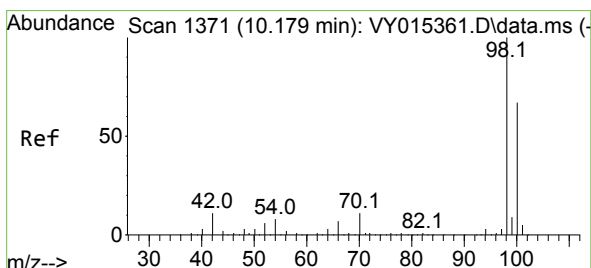
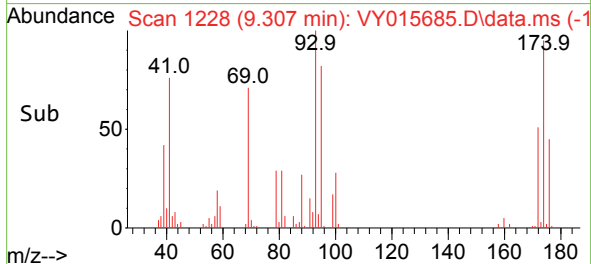
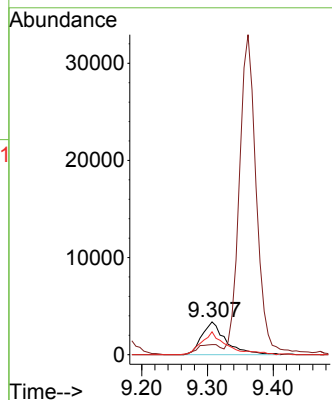
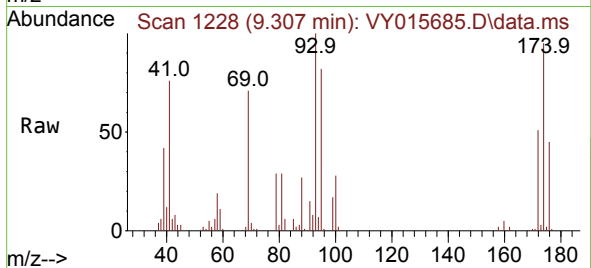
Tgt Ion: 88 Resp: 8655

Ion Ratio Lower Upper

88 100

43 30.4 0.0 0.0#

58 72.1 30.9 46.3#



#50

Toluene-d8

Concen: 42.238 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY015685.D

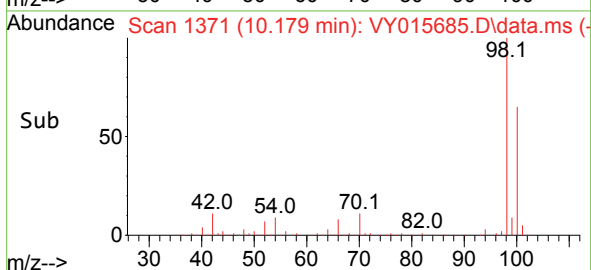
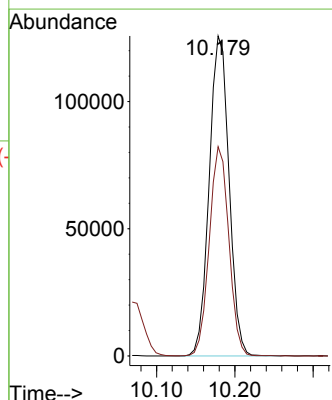
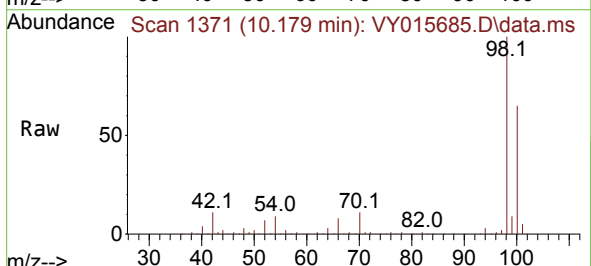
Acq: 22 Sep 2023 15:09

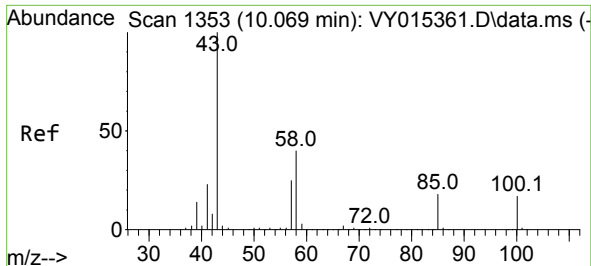
Tgt Ion: 98 Resp: 220841

Ion Ratio Lower Upper

98 100

100 64.5 50.1 75.1

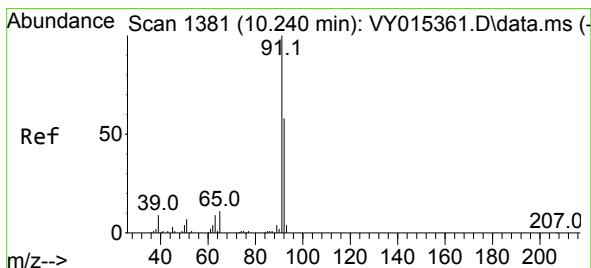
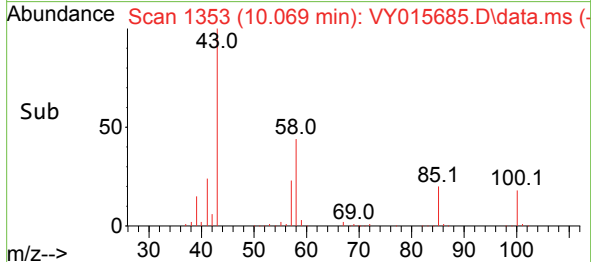
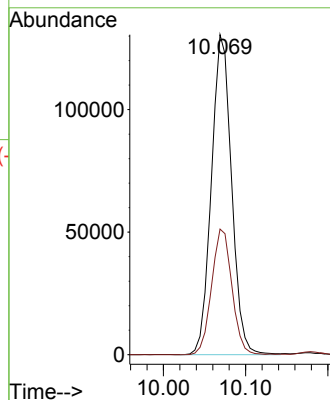
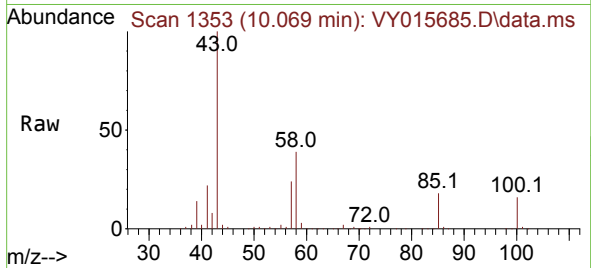




#51  
4-Methyl-2-Pentanone  
Concen: 92.407 ug/l  
RT: 10.069 min Scan# 1353  
Delta R.T. -0.000 min  
Lab File: VY015685.D  
Acq: 22 Sep 2023 15:09

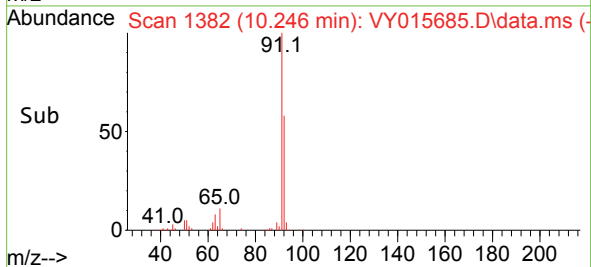
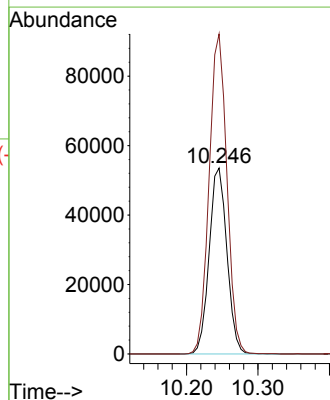
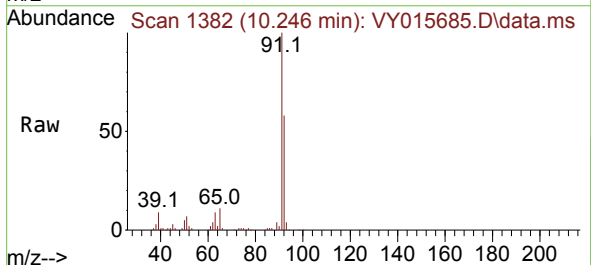
Instrument :  
MSVOA\_Y  
ClientSampleId :

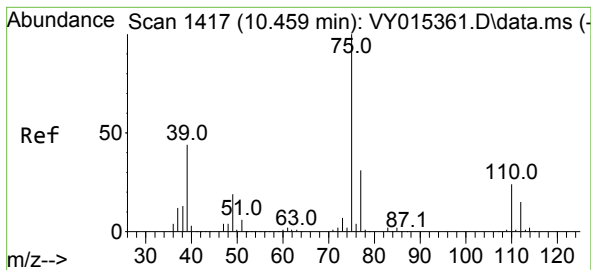
Tgt Ion: 43 Resp: 222503  
Ion Ratio Lower Upper  
43 100  
58 39.6 29.0 43.6



#52  
Toluene  
Concen: 20.608 ug/l  
RT: 10.246 min Scan# 1382  
Delta R.T. 0.006 min  
Lab File: VY015685.D  
Acq: 22 Sep 2023 15:09

Tgt Ion: 92 Resp: 92377  
Ion Ratio Lower Upper  
92 100  
91 172.0 143.8 215.6

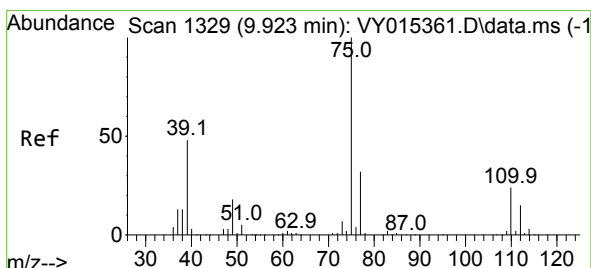
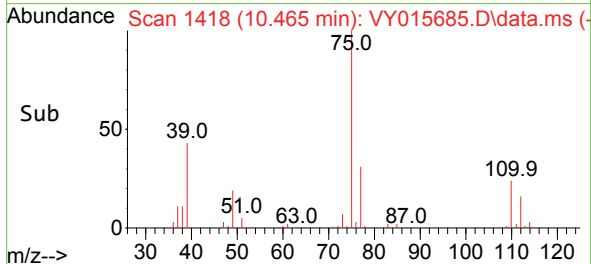
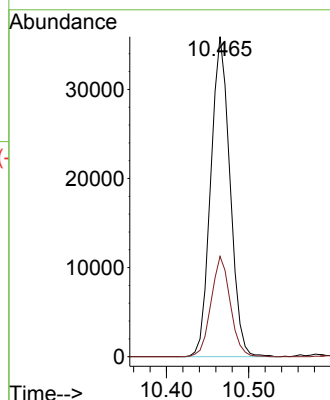
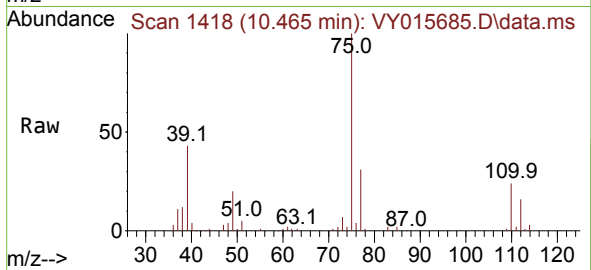




#53  
 t-1,3-Dichloropropene  
 Concen: 19.705 ug/l  
 RT: 10.465 min Scan# 1417  
 Delta R.T. 0.006 min  
 Lab File: VY015685.D  
 Acq: 22 Sep 2023 15:09

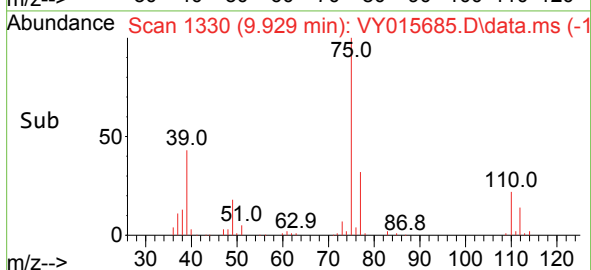
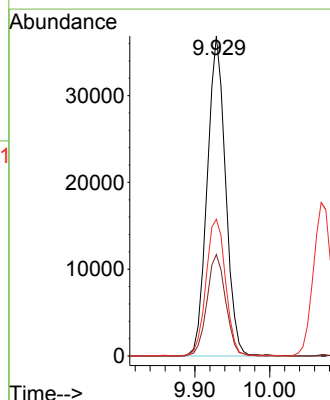
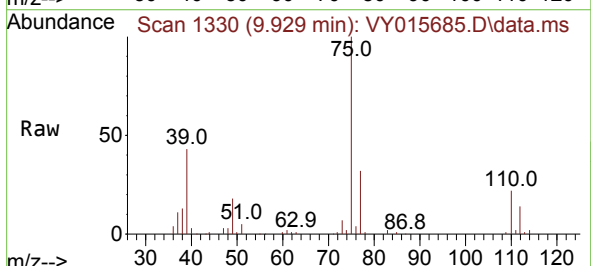
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

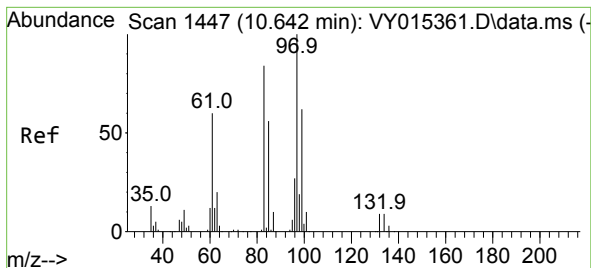
Tgt Ion: 75 Resp: 58420  
 Ion Ratio Lower Upper  
 75 100  
 77 31.4 25.0 37.4



#54  
 cis-1,3-Dichloropropene  
 Concen: 19.650 ug/l  
 RT: 9.929 min Scan# 1330  
 Delta R.T. 0.006 min  
 Lab File: VY015685.D  
 Acq: 22 Sep 2023 15:09

Tgt Ion: 75 Resp: 62708  
 Ion Ratio Lower Upper  
 75 100  
 77 31.7 24.2 36.4  
 39 42.7 42.2 63.4

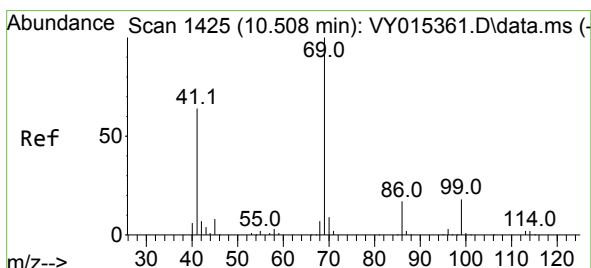
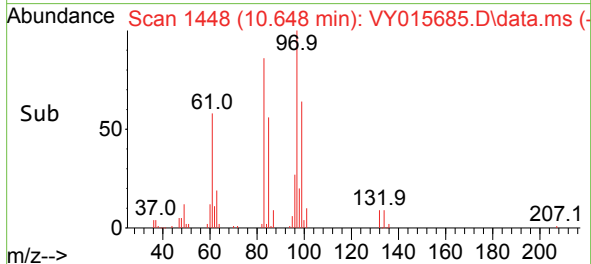
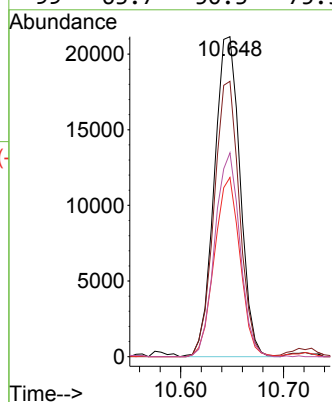
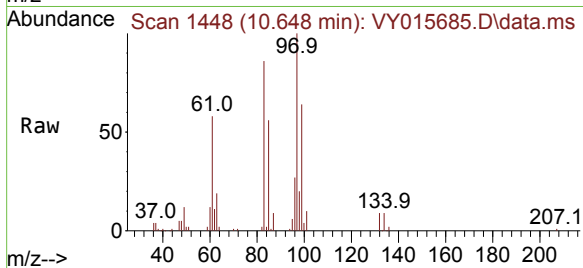




#55  
1,1,2-Trichloroethane  
Concen: 20.297 ug/l  
RT: 10.648 min Scan# 1447  
Delta R.T. 0.006 min  
Lab File: VY015685.D  
Acq: 22 Sep 2023 15:09

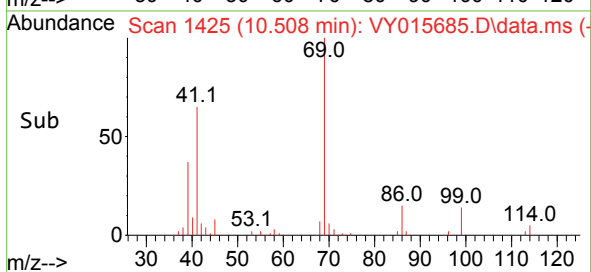
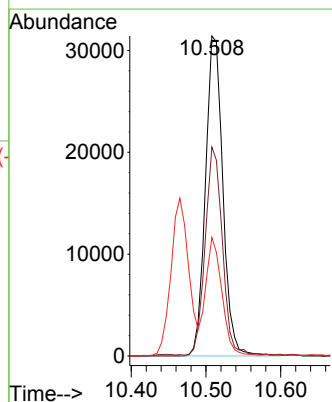
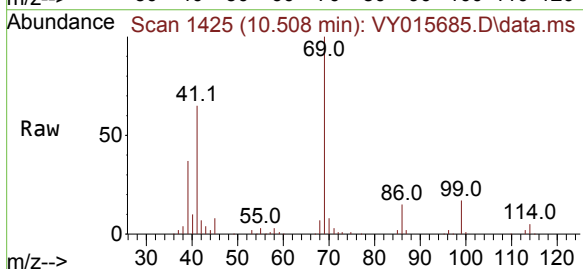
Instrument :  
MSVOA\_Y  
ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 36893 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 86.0  | 72.0  | 108.0 |
| 85       | 56.0  | 45.4  | 68.0  |
| 99       | 63.7  | 50.3  | 75.5  |

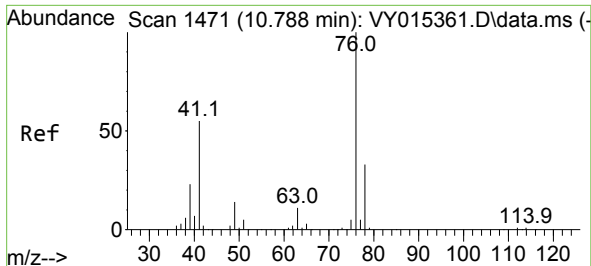


#56  
Ethyl methacrylate  
Concen: 18.982 ug/l  
RT: 10.508 min Scan# 1425  
Delta R.T. -0.000 min  
Lab File: VY015685.D  
Acq: 22 Sep 2023 15:09

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 50845 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 64.2  | 57.6  | 86.4  |
| 39       | 34.4  | 34.1  | 51.1  |



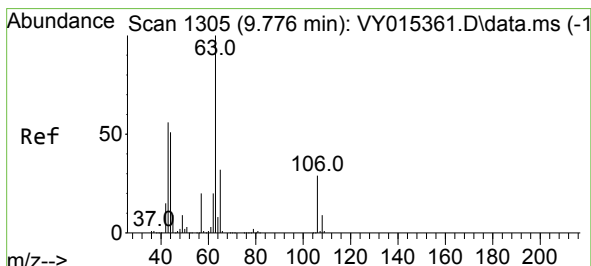
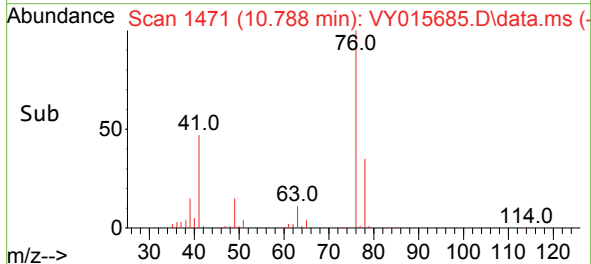
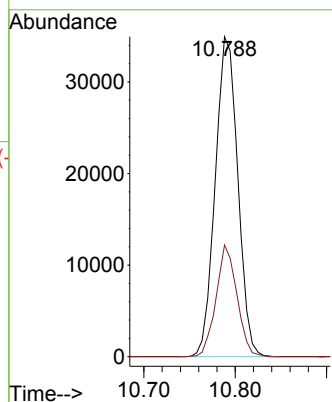
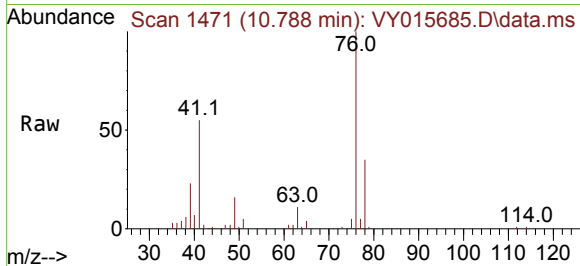




#57  
1,3-Dichloropropane  
Concen: 19.655 ug/l  
RT: 10.788 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VY015685.D  
Acq: 22 Sep 2023 15:09

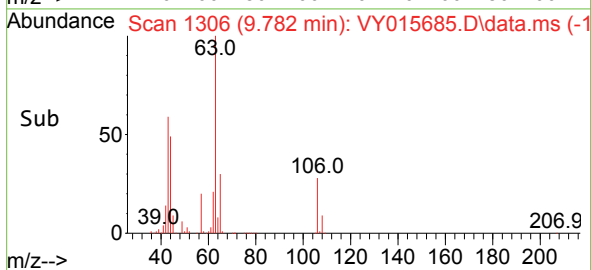
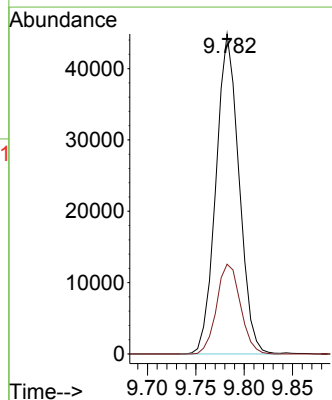
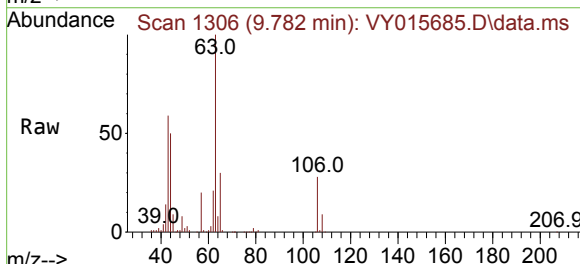
Instrument :  
MSVOA\_Y  
ClientSampleId :

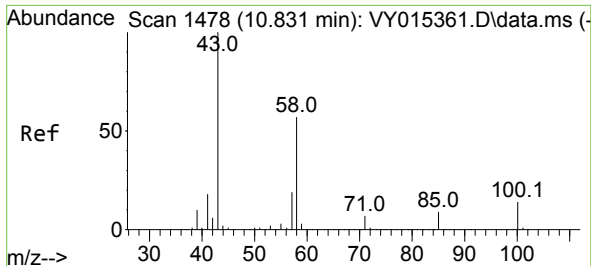
Tgt Ion: 76 Resp: 59911  
Ion Ratio Lower Upper  
76 100  
78 32.4 25.3 37.9



#58  
2-Chloroethyl Vinyl ether  
Concen: 87.335 ug/l  
RT: 9.782 min Scan# 1306  
Delta R.T. 0.006 min  
Lab File: VY015685.D  
Acq: 22 Sep 2023 15:09

Tgt Ion: 63 Resp: 74310  
Ion Ratio Lower Upper  
63 100  
106 28.9 21.2 31.8

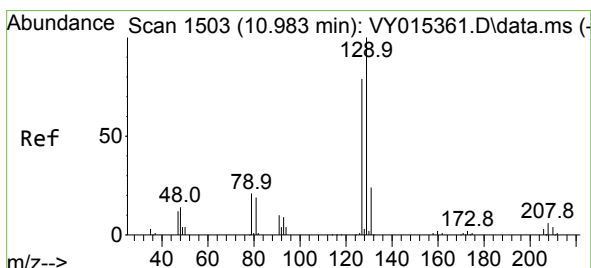
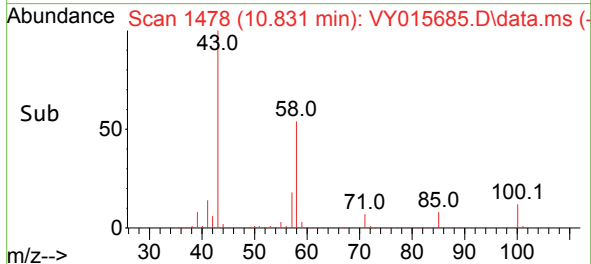
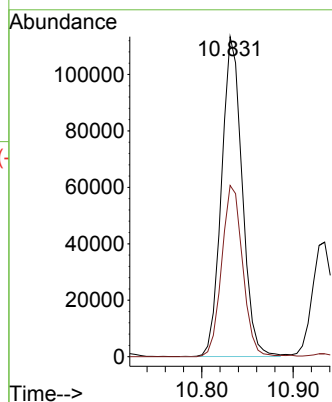
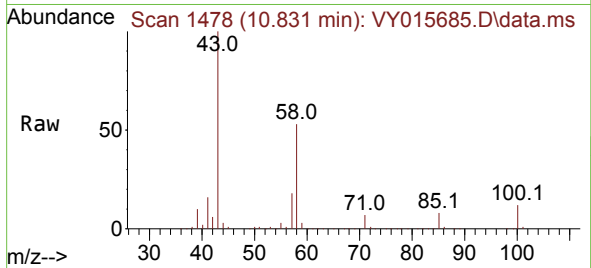




#59  
2-Hexanone  
Concen: 96.297 ug/l  
RT: 10.831 min Scan# 1478  
Delta R.T. -0.000 min  
Lab File: VY015685.D  
Acq: 22 Sep 2023 15:09

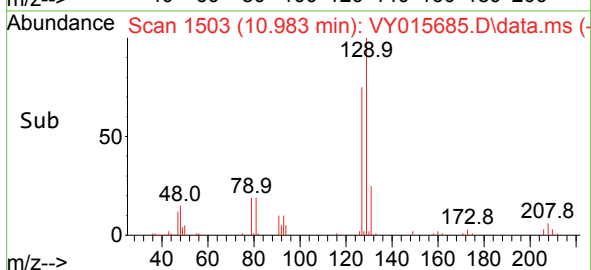
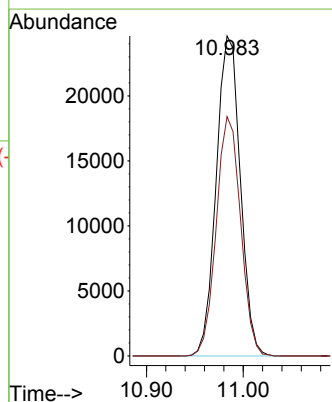
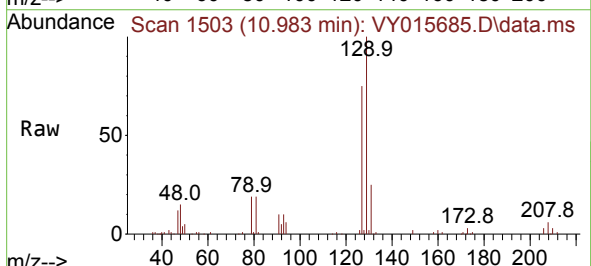
Instrument :  
MSVOA\_Y  
ClientSampleId :

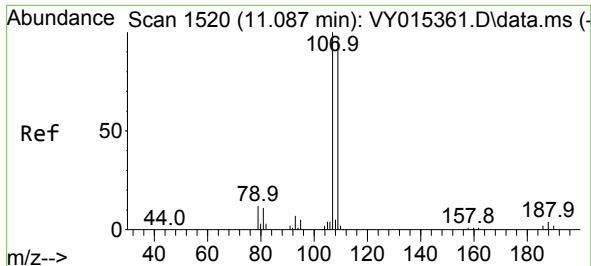
Tgt Ion: 43 Resp: 177894  
Ion Ratio Lower Upper  
43 100  
58 54.6 25.1 75.3



#60  
Dibromochloromethane  
Concen: 20.028 ug/l  
RT: 10.983 min Scan# 1503  
Delta R.T. 0.000 min  
Lab File: VY015685.D  
Acq: 22 Sep 2023 15:09

Tgt Ion:129 Resp: 42495  
Ion Ratio Lower Upper  
129 100  
127 75.6 38.5 115.5

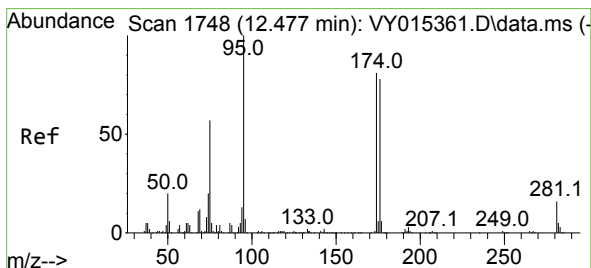
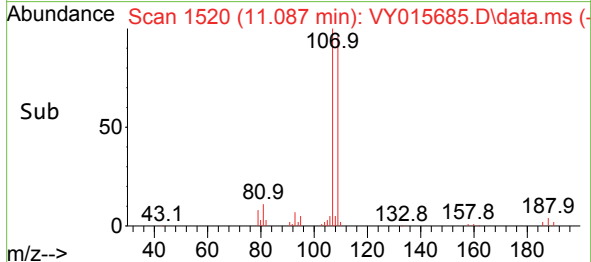
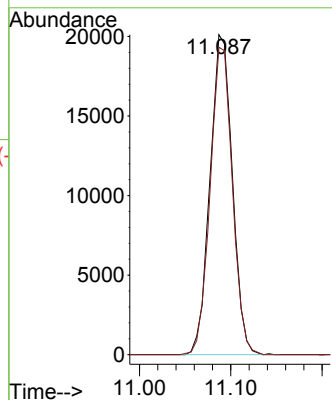
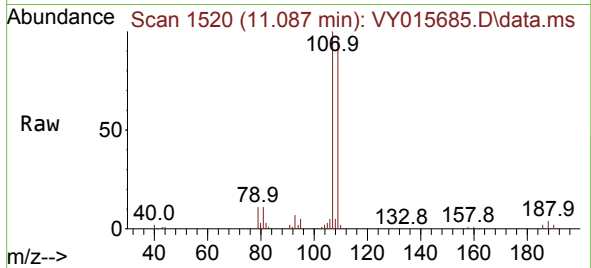




#61  
1,2-Dibromoethane  
Concen: 19.174 ug/l  
RT: 11.087 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY015685.D  
Acq: 22 Sep 2023 15:09

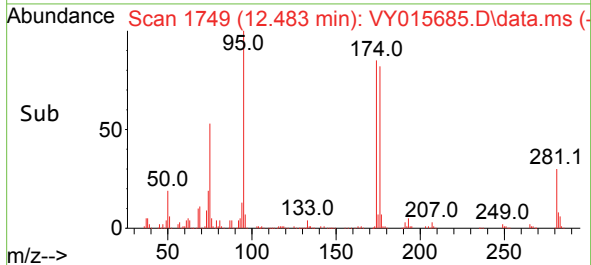
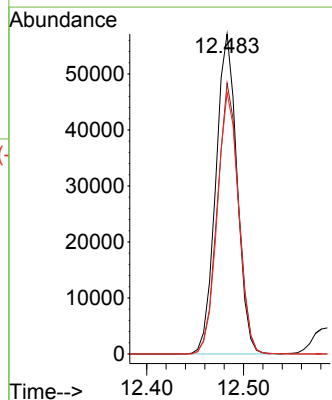
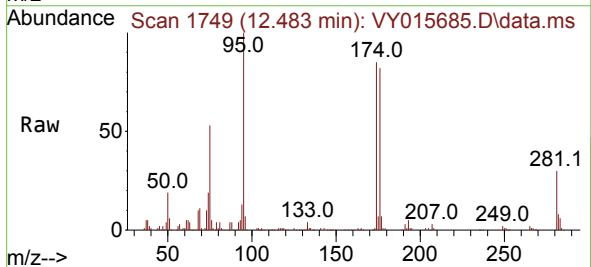
Instrument :  
MSVOA\_Y  
ClientSampleId :

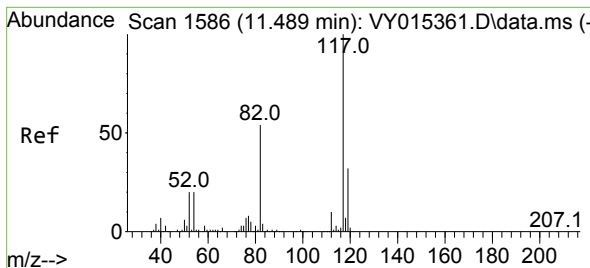
Tgt Ion:107 Resp: 34096  
Ion Ratio Lower Upper  
107 100  
109 95.7 75.6 113.4



#62  
4-Bromofluorobenzene  
Concen: 42.326 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.006 min  
Lab File: VY015685.D  
Acq: 22 Sep 2023 15:09

Tgt Ion: 95 Resp: 86846  
Ion Ratio Lower Upper  
95 100  
174 84.7 0.0 178.2  
176 82.2 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 1

Delta R.T. 0.000 min

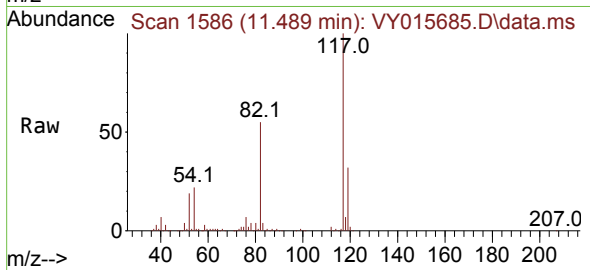
Lab File: VY015685.D

Acq: 22 Sep 2023 15:09

Instrument :

MSVOA\_Y

ClientSampleId :



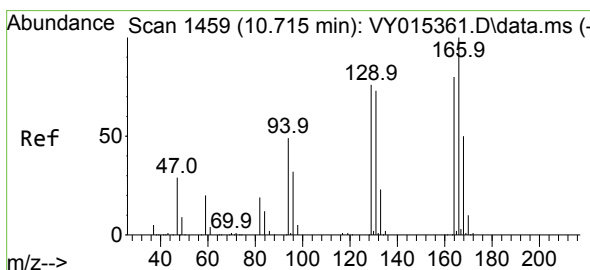
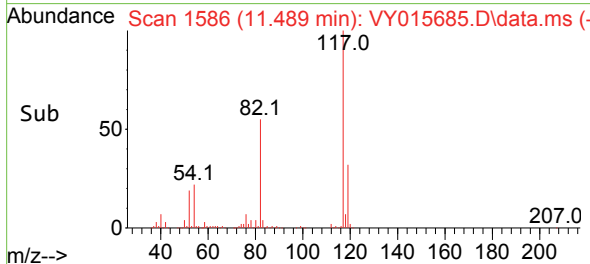
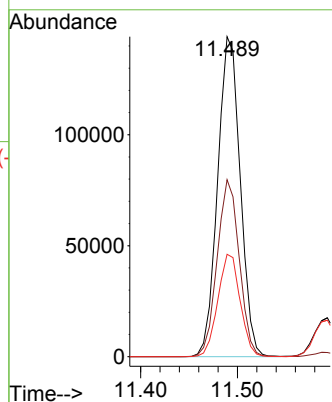
Tgt Ion:117 Resp: 233832

Ion Ratio Lower Upper

117 100

82 55.3 43.4 65.0

119 32.0 26.3 39.5



#64

Tetrachloroethene

Concen: 20.888 ug/l

RT: 10.721 min Scan# 1460

Delta R.T. 0.006 min

Lab File: VY015685.D

Acq: 22 Sep 2023 15:09

Tgt Ion:164 Resp: 41906

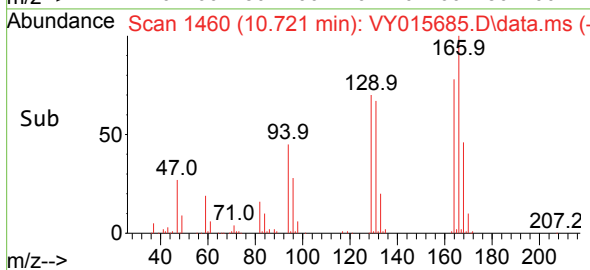
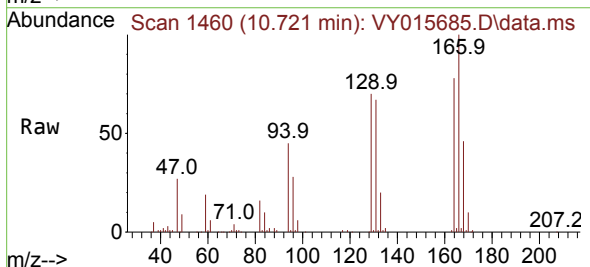
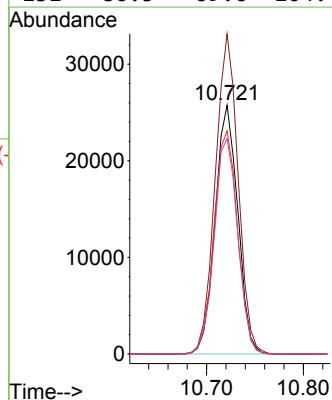
Ion Ratio Lower Upper

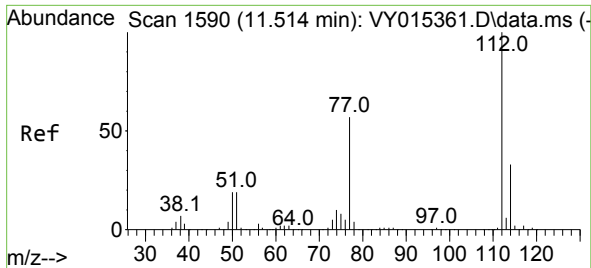
164 100

166 128.7 103.0 154.6

129 89.7 77.2 115.8

131 86.5 69.6 104.4

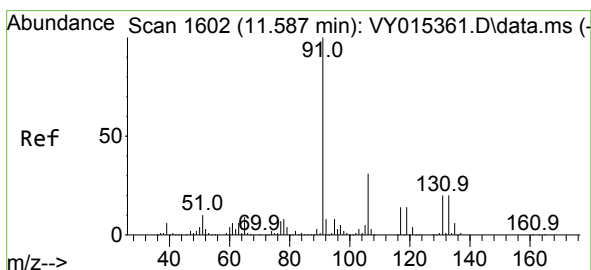
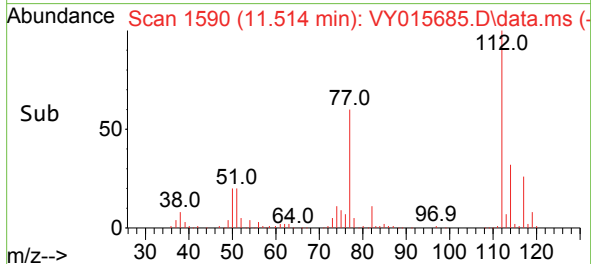
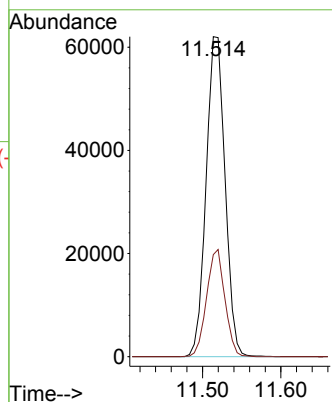
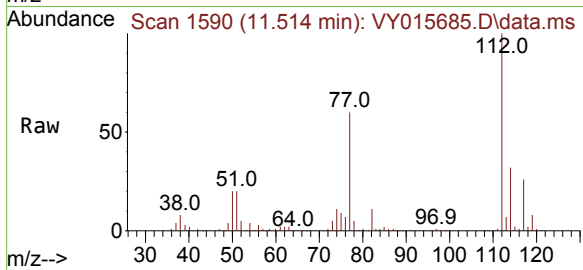




#65  
Chlorobenzene  
Concen: 20.403 ug/l  
RT: 11.514 min Scan# 111  
Delta R.T. -0.000 min  
Lab File: VY015685.D  
Acq: 22 Sep 2023 15:09

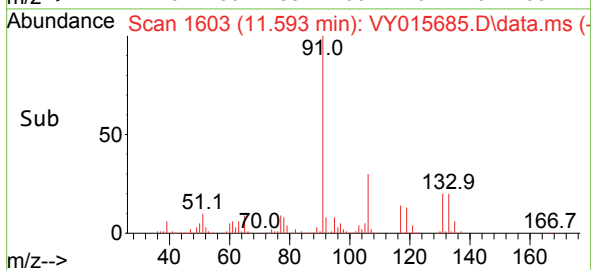
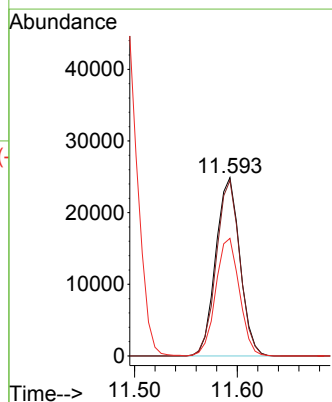
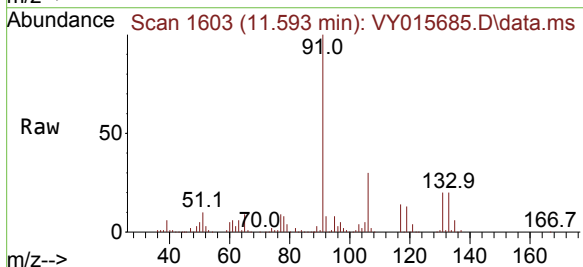
Instrument :  
MSVOA\_Y  
ClientSampleId :

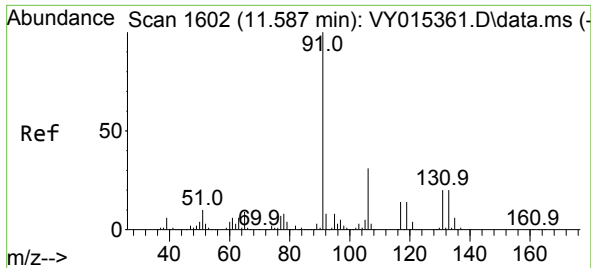
Tgt Ion:112 Resp: 104141  
Ion Ratio Lower Upper  
112 100  
114 31.9 25.5 38.3



#66  
1,1,1,2-Tetrachloroethane  
Concen: 20.459 ug/l  
RT: 11.593 min Scan# 1603  
Delta R.T. 0.006 min  
Lab File: VY015685.D  
Acq: 22 Sep 2023 15:09

Tgt Ion:131 Resp: 40562  
Ion Ratio Lower Upper  
131 100  
133 96.0 47.5 142.6  
119 64.9 31.6 94.7

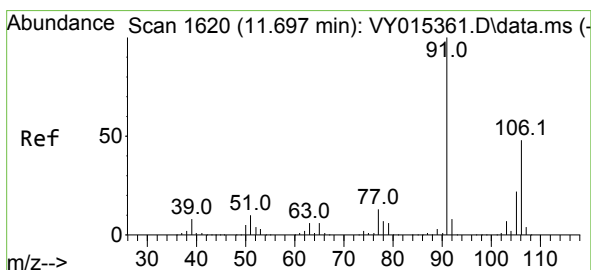
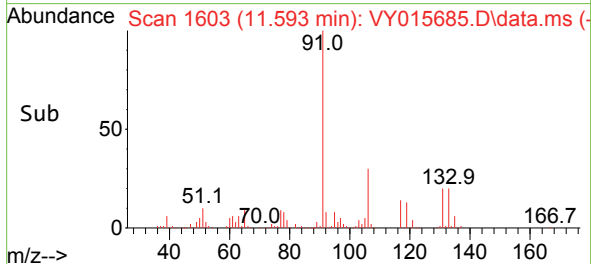
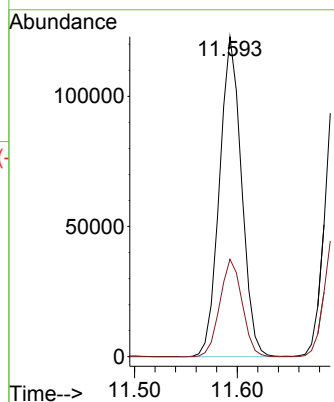
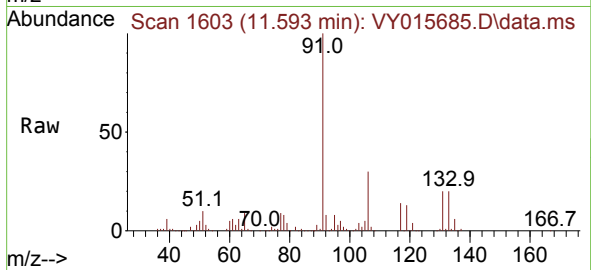




#67  
Ethyl Benzene  
Concen: 20.464 ug/l  
RT: 11.593 min Scan# 1603  
Delta R.T. 0.006 min  
Lab File: VY015685.D  
Acq: 22 Sep 2023 15:09

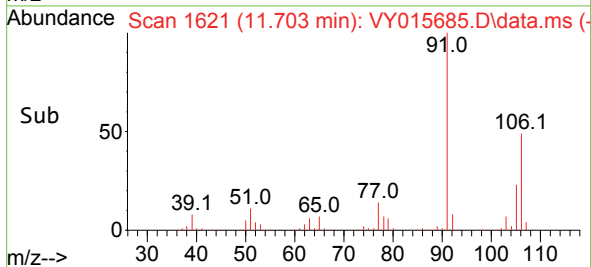
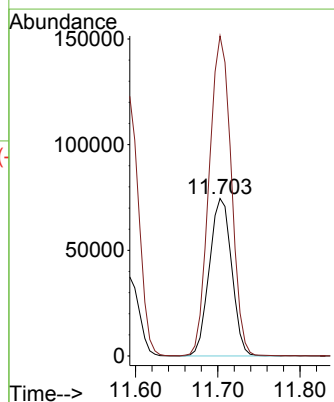
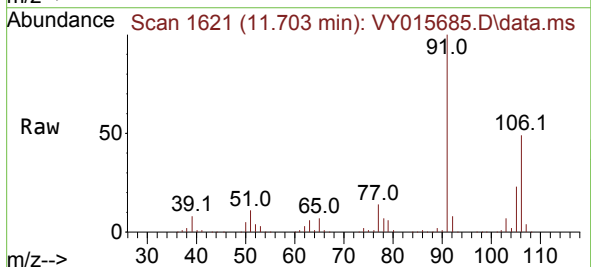
Instrument :  
MSVOA\_Y  
ClientSampleId :

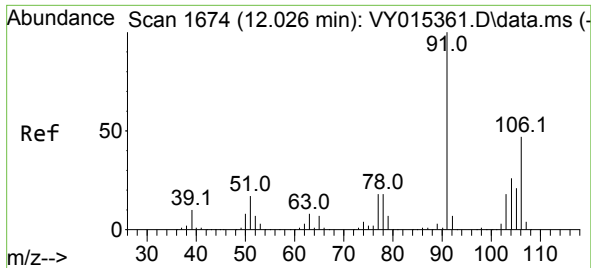
Tgt Ion: 91 Resp: 182567  
Ion Ratio Lower Upper  
91 100  
106 30.4 24.6 36.8



#68  
m/p-Xylenes  
Concen: 41.488 ug/l  
RT: 11.703 min Scan# 1621  
Delta R.T. -0.000 min  
Lab File: VY015685.D  
Acq: 22 Sep 2023 15:09

Tgt Ion:106 Resp: 140682  
Ion Ratio Lower Upper  
106 100  
91 201.0 166.1 249.1

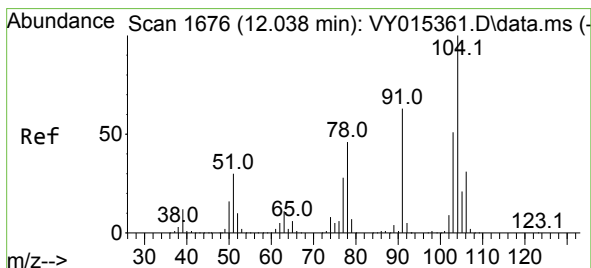
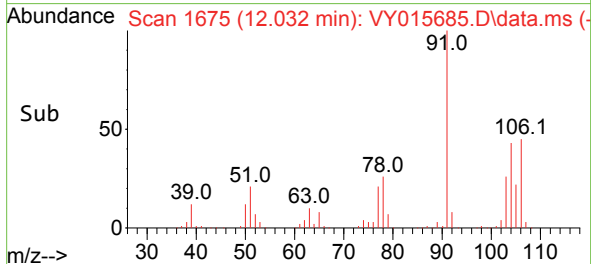
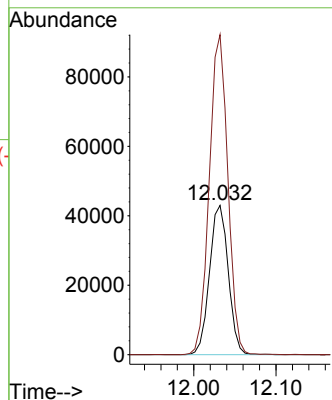
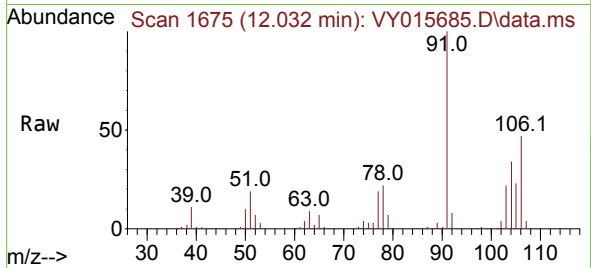




#69  
o-Xylene  
Concen: 20.478 ug/l  
RT: 12.032 min Scan# 1675  
Delta R.T. 0.006 min  
Lab File: VY015685.D  
Acq: 22 Sep 2023 15:09

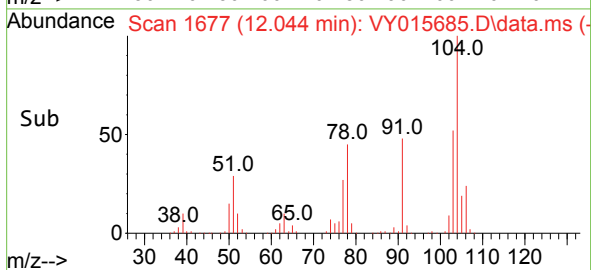
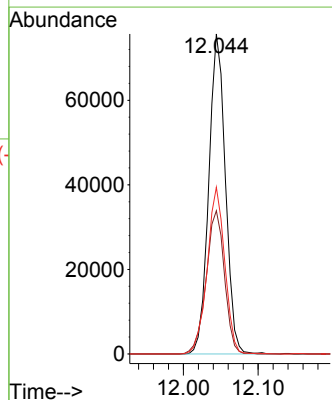
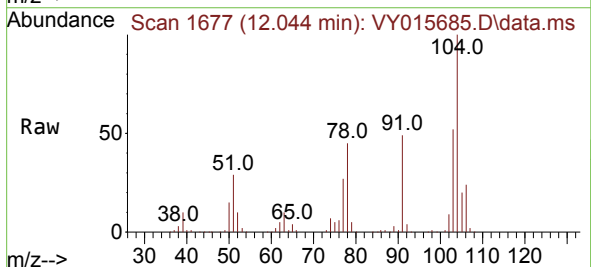
Instrument :  
MSVOA\_Y  
ClientSampleId :

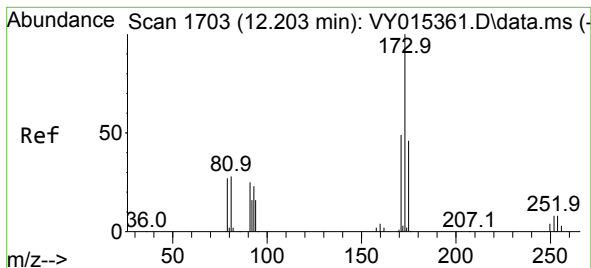
Tgt Ion:106 Resp: 68090  
Ion Ratio Lower Upper  
106 100  
91 212.1 108.1 324.3



#70  
Styrene  
Concen: 20.549 ug/l  
RT: 12.044 min Scan# 1677  
Delta R.T. 0.000 min  
Lab File: VY015685.D  
Acq: 22 Sep 2023 15:09

Tgt Ion:104 Resp: 116954  
Ion Ratio Lower Upper  
104 100  
78 49.2 41.5 62.3  
103 55.1 44.6 67.0





#71

Bromoform

Concen: 19.616 ug/l

RT: 12.209 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY015685.D

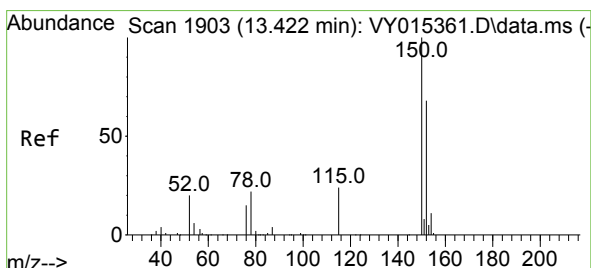
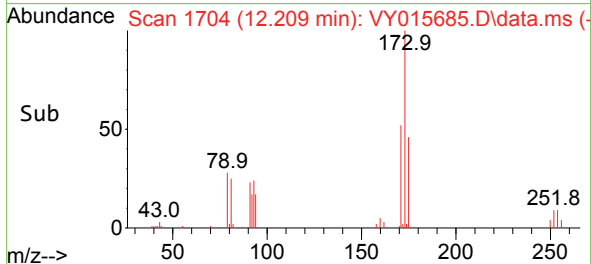
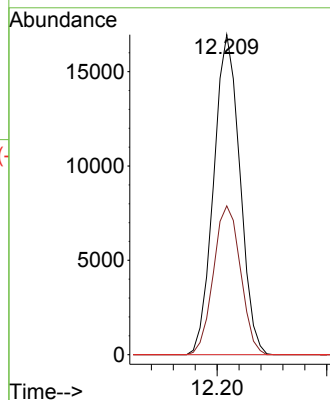
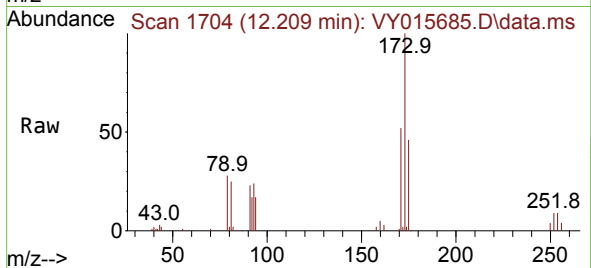
Acq: 22 Sep 2023 15:09

Instrument :

MSVOA\_Y

ClientSampleId :

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:173 | Resp: | 28183     |
| Ion Ratio   | Lower | Upper     |
| 173         | 100   |           |
| 175         | 47.9  | 24.6 73.8 |
| 254         | 0.0   | 0.2 0.2#  |



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

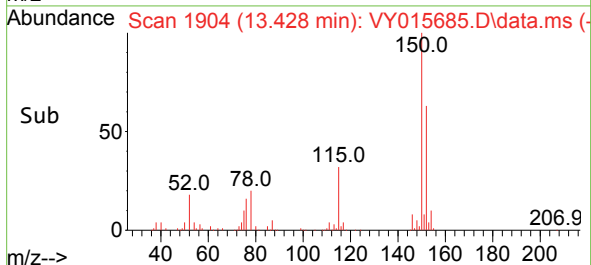
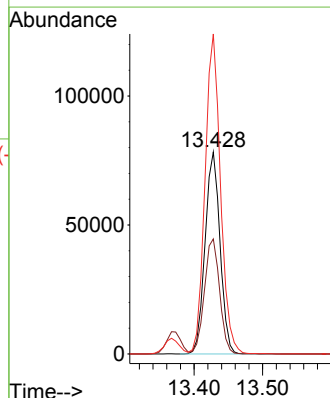
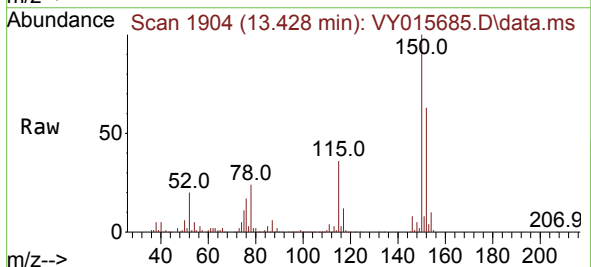
RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

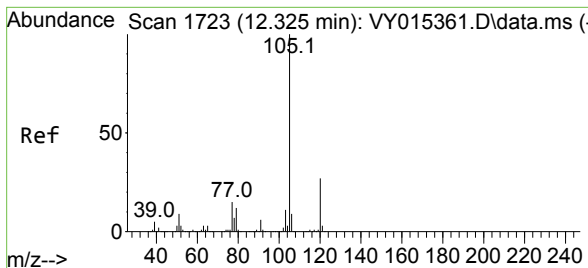
Lab File: VY015685.D

Acq: 22 Sep 2023 15:09

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:152 | Resp: | 119162    |
| Ion Ratio   | Lower | Upper     |
| 152         | 100   |           |
| 115         | 57.8  | 28.8 86.5 |
| 150         | 163.6 | 0.0 348.8 |







#73

Isopropylbenzene

Concen: 20.484 ug/l

RT: 12.331 min Scan# 1724

Delta R.T. 0.006 min

Lab File: VY015685.D

Acq: 22 Sep 2023 15:09

Instrument :

MSVOA\_Y

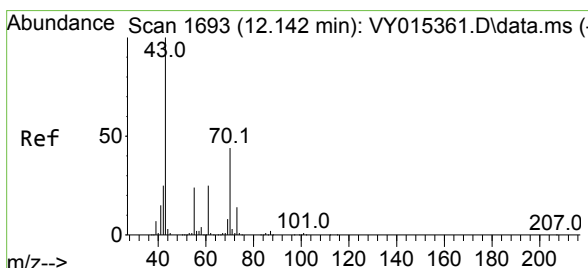
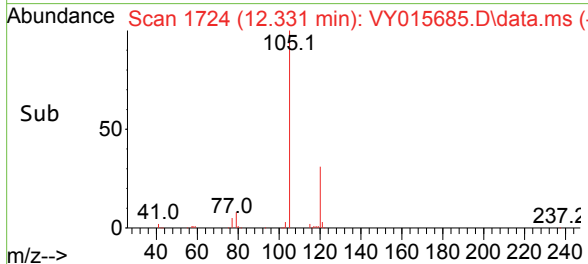
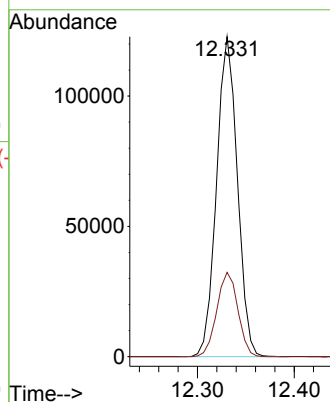
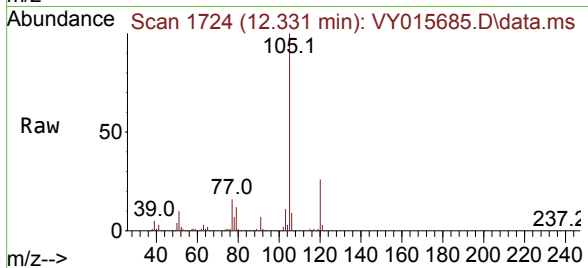
ClientSampleId :

Tgt Ion:105 Resp: 183107

Ion Ratio Lower Upper

105 100

120 26.7 13.3 39.9



#74

N-ethyl acetate

Concen: 18.811 ug/l

RT: 12.142 min Scan# 1693

Delta R.T. -0.000 min

Lab File: VY015685.D

Acq: 22 Sep 2023 15:09

Tgt Ion: 43 Resp: 63202

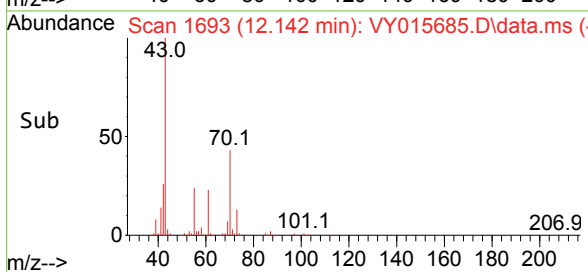
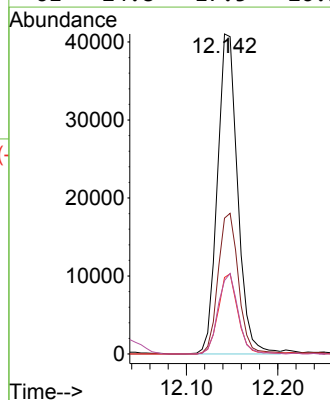
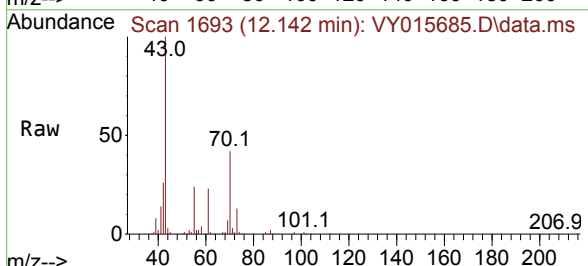
Ion Ratio Lower Upper

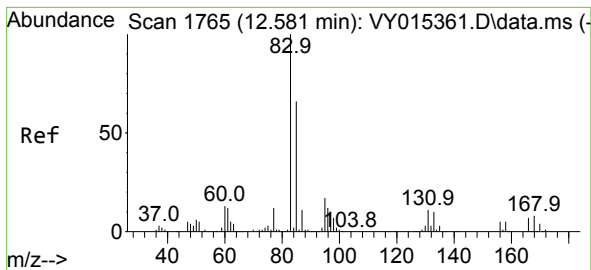
43 100

70 44.2 29.7 44.5

55 24.3 18.3 27.5

61 24.8 17.5 26.3

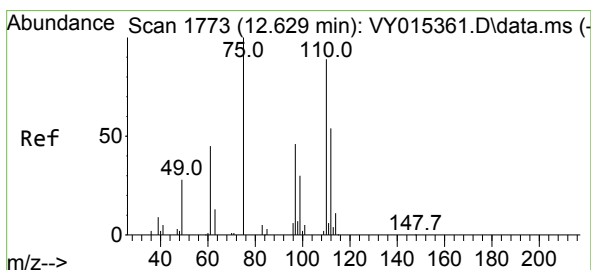
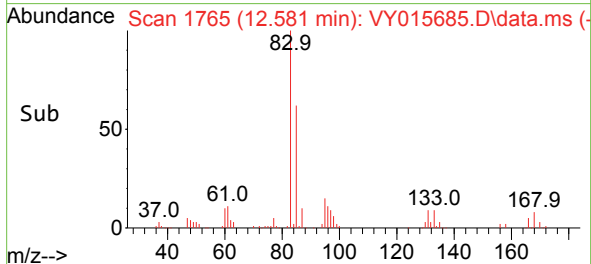
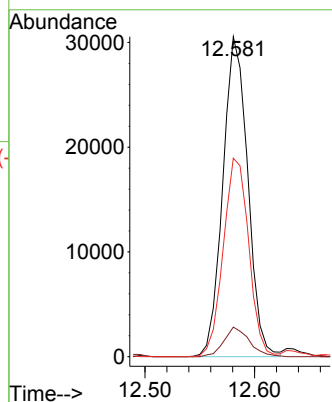
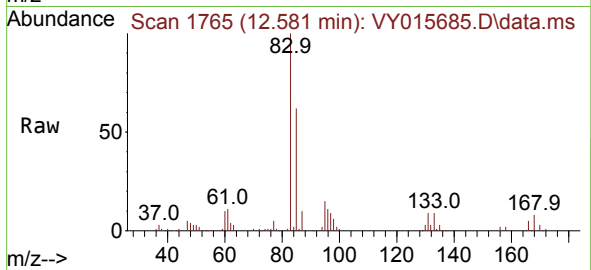




#75  
1,1,2,2-Tetrachloroethane  
Concen: 19.407 ug/l  
RT: 12.581 min Scan# 1765  
Delta R.T. -0.000 min  
Lab File: VY015685.D  
Acq: 22 Sep 2023 15:09

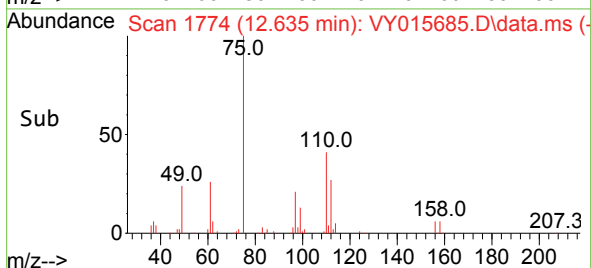
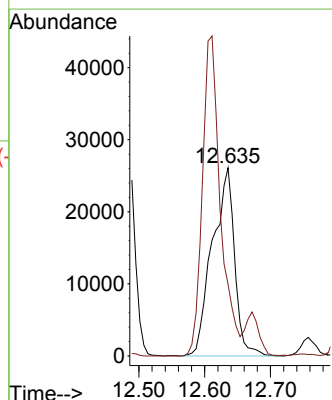
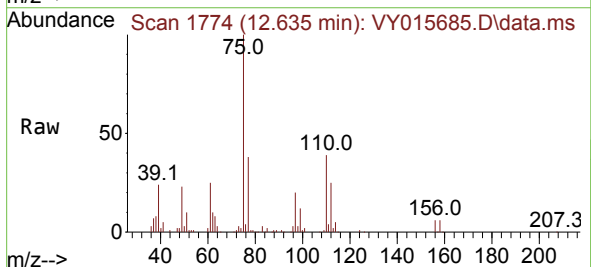
Instrument :  
MSVOA\_Y  
ClientSampleId :

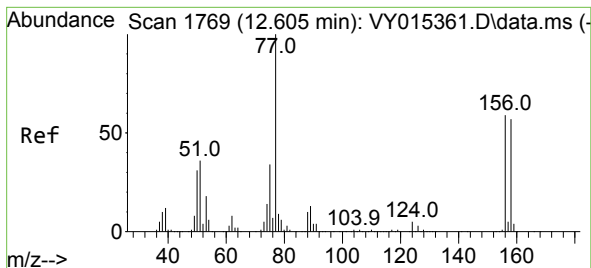
Tgt Ion: 83 Resp: 48283  
Ion Ratio Lower Upper  
83 100  
131 9.4 5.4 16.2  
85 63.3 31.8 95.4



#76  
1,2,3-Trichloropropane  
Concen: 32.376 ug/l  
RT: 12.635 min Scan# 1774  
Delta R.T. 0.006 min  
Lab File: VY015685.D  
Acq: 22 Sep 2023 15:09

Tgt Ion: 75 Resp: 61547  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.061 ug/l

RT: 12.611 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY015685.D

Acq: 22 Sep 2023 15:09

Instrument :

MSVOA\_Y

ClientSampleId :

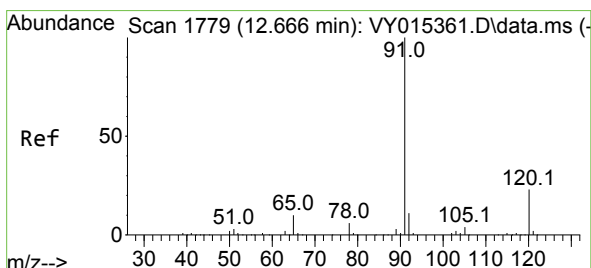
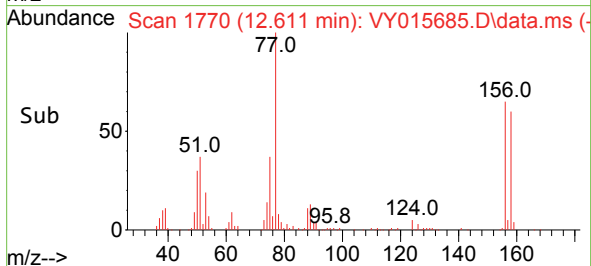
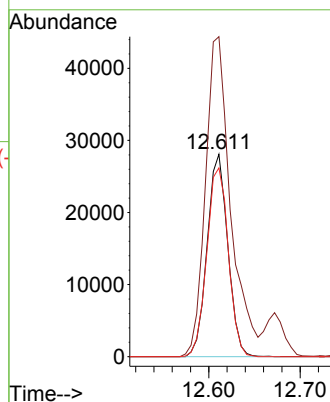
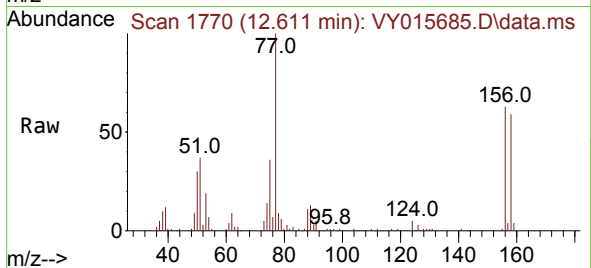
Tgt Ion:156 Resp: 44019

Ion Ratio Lower Upper

156 100

77 192.7 92.8 278.6

158 97.3 48.4 145.3



#78

n-propylbenzene

Concen: 20.734 ug/l

RT: 12.672 min Scan# 1780

Delta R.T. 0.006 min

Lab File: VY015685.D

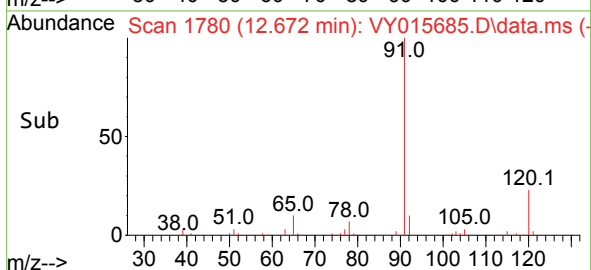
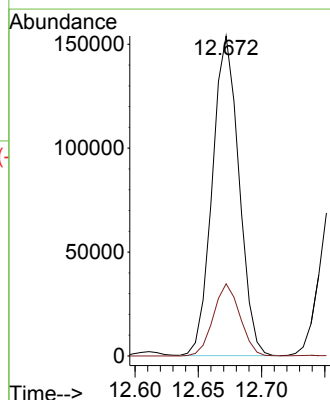
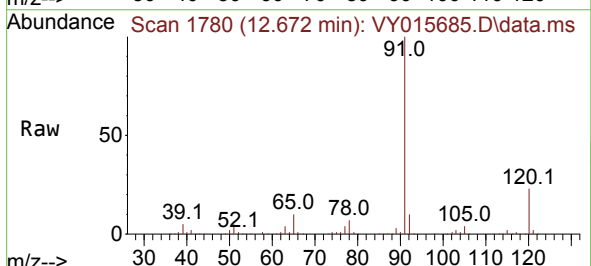
Acq: 22 Sep 2023 15:09

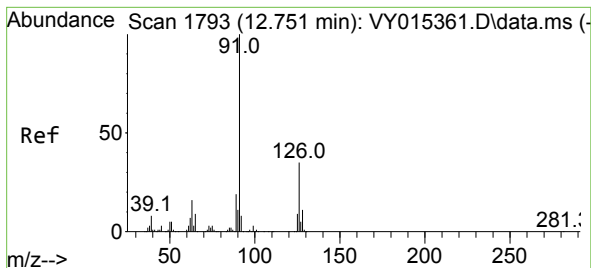
Tgt Ion: 91 Resp: 225174

Ion Ratio Lower Upper

91 100

120 22.5 11.5 34.4





#79

2-Chlorotoluene

Concen: 20.239 ug/l

RT: 12.757 min Scan# 1794

Delta R.T. 0.006 min

Lab File: VY015685.D

Acq: 22 Sep 2023 15:09

Instrument :

MSVOA\_Y

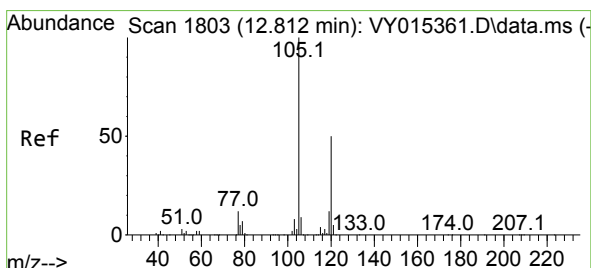
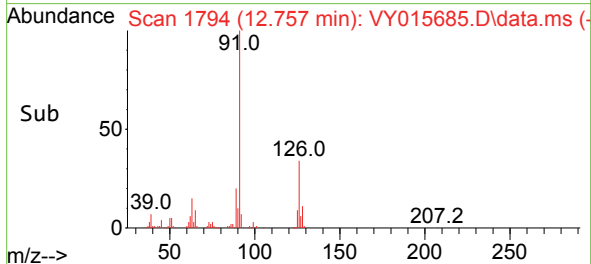
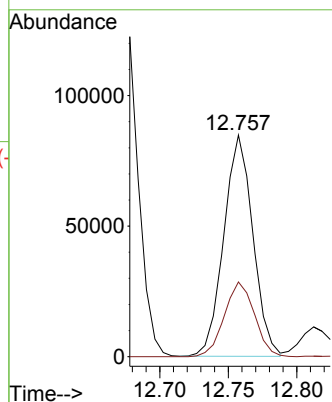
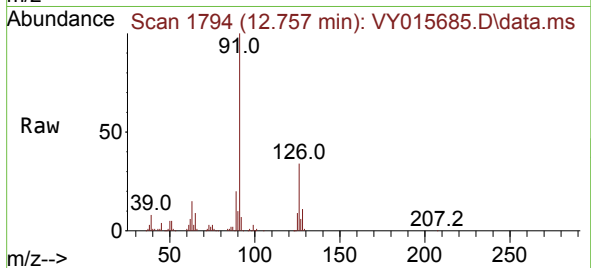
ClientSampleId :

Tgt Ion: 91 Resp: 125286

Ion Ratio Lower Upper

91 100

126 34.9 17.3 51.7



#80

1,3,5-Trimethylbenzene

Concen: 20.378 ug/l

RT: 12.812 min Scan# 1803

Delta R.T. 0.000 min

Lab File: VY015685.D

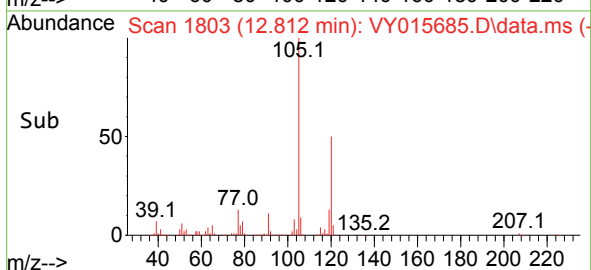
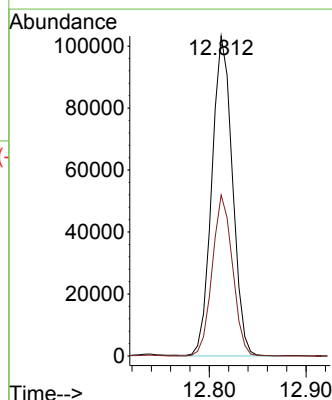
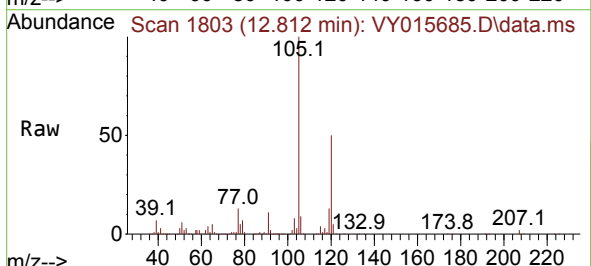
Acq: 22 Sep 2023 15:09

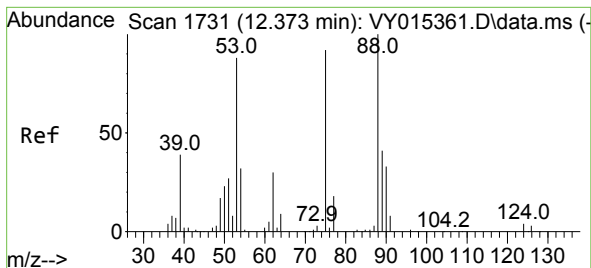
Tgt Ion: 105 Resp: 152501

Ion Ratio Lower Upper

105 100

120 49.4 23.9 71.7

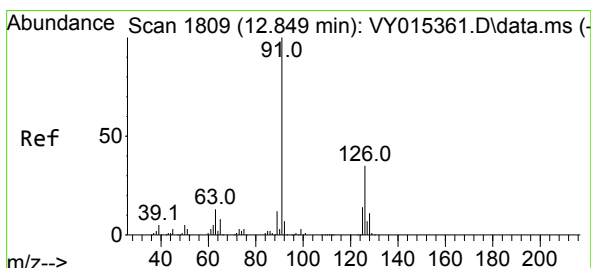
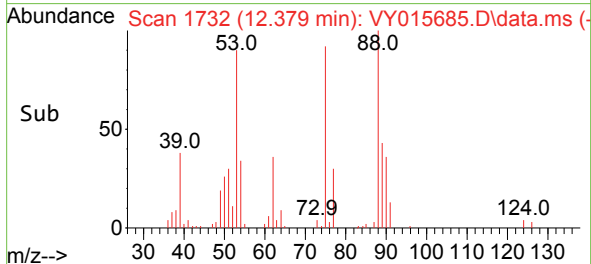
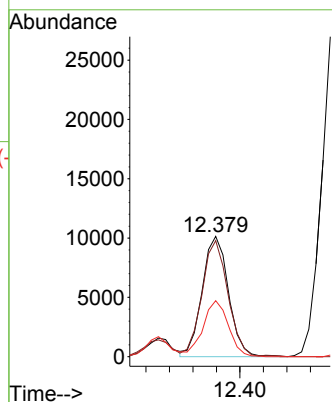
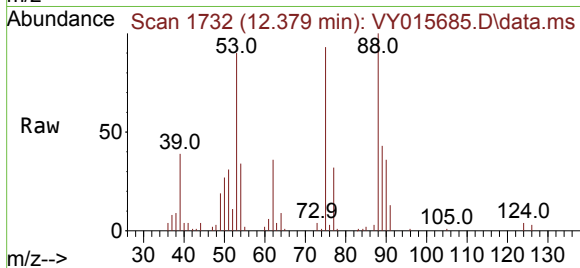




#81  
trans-1,4-Dichloro-2-butene  
Concen: 18.701 ug/l  
RT: 12.379 min Scan# 11  
Delta R.T. -0.001 min  
Lab File: VY015685.D  
Acq: 22 Sep 2023 15:09

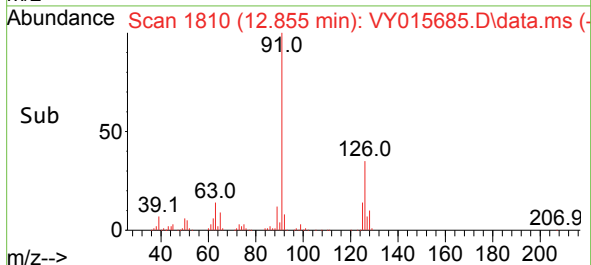
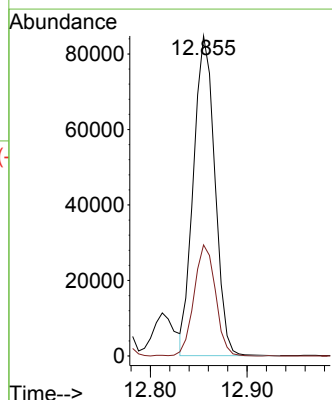
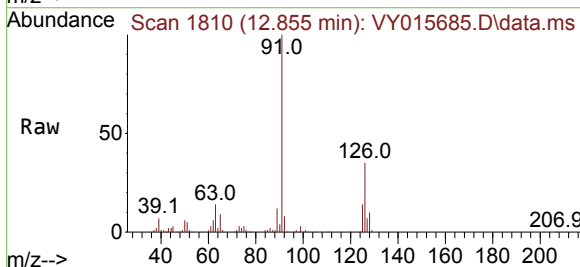
Instrument :  
MSVOA\_Y  
ClientSampleId :

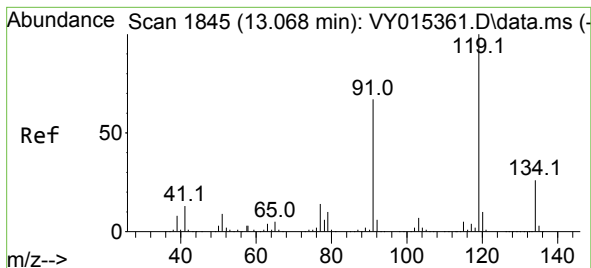
Tgt Ion: 75 Resp: 15787  
Ion Ratio Lower Upper  
75 100  
53 96.0 77.8 116.8  
89 44.2 37.4 56.0



#82  
4-Chlorotoluene  
Concen: 20.124 ug/l  
RT: 12.855 min Scan# 1810  
Delta R.T. 0.006 min  
Lab File: VY015685.D  
Acq: 22 Sep 2023 15:09

Tgt Ion: 91 Resp: 130046  
Ion Ratio Lower Upper  
91 100  
126 35.0 17.2 51.6





#83

tert-Butylbenzene

Concen: 20.417 ug/l

RT: 13.074 min Scan# 1846

Delta R.T. -0.001 min

Lab File: VY015685.D

Acq: 22 Sep 2023 15:09

Instrument :

MSVOA\_Y

ClientSampleId :

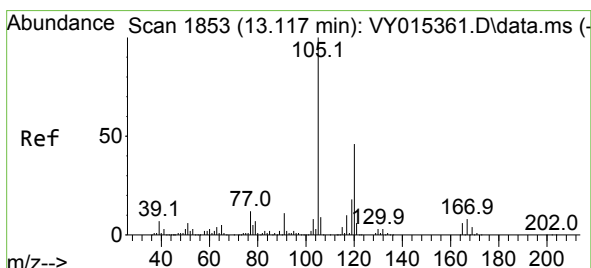
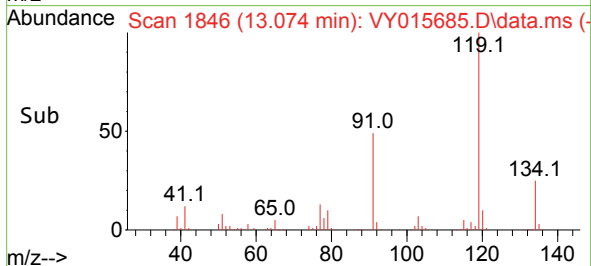
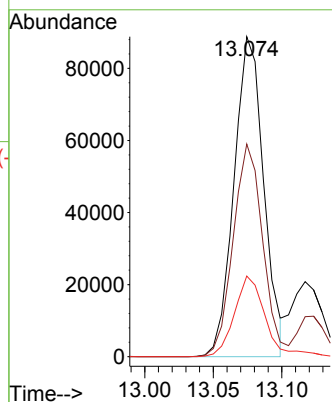
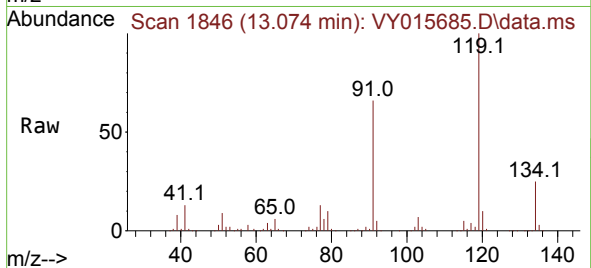
Tgt Ion:119 Resp: 133821

Ion Ratio Lower Upper

119 100

91 66.3 32.9 98.6

134 26.3 13.0 38.9



#84

1,2,4-Trimethylbenzene

Concen: 20.773 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. 0.006 min

Lab File: VY015685.D

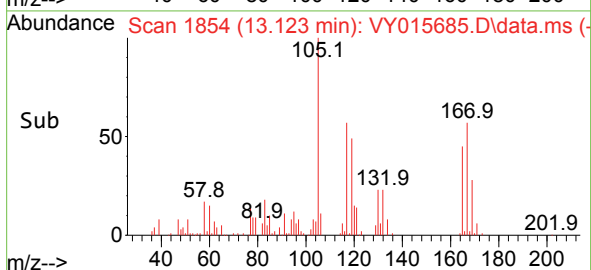
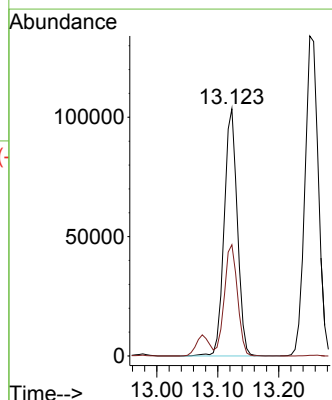
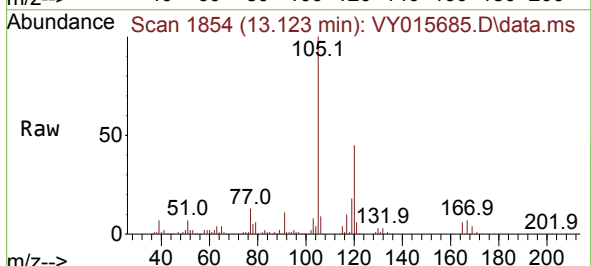
Acq: 22 Sep 2023 15:09

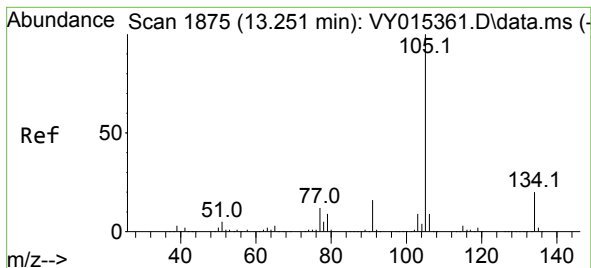
Tgt Ion:105 Resp: 155548

Ion Ratio Lower Upper

105 100

120 45.0 22.2 66.6





#85

sec-Butylbenzene

Concen: 20.836 ug/l

RT: 13.251 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VY015685.D

Acq: 22 Sep 2023 15:09

Instrument :

MSVOA\_Y

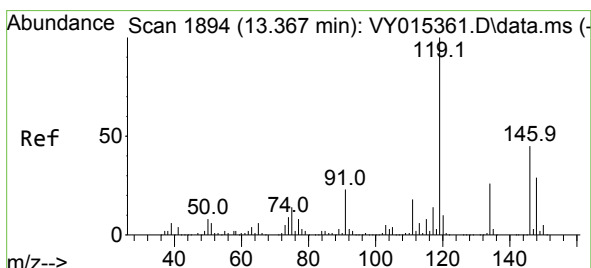
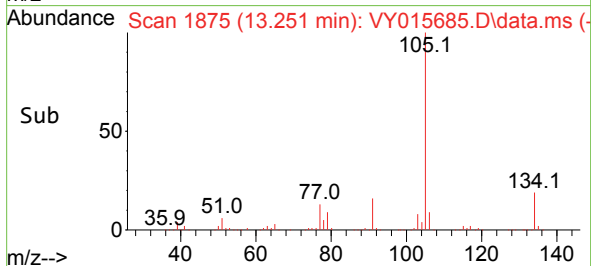
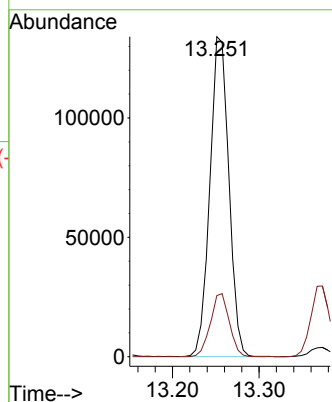
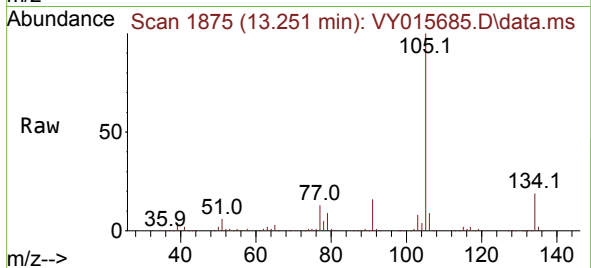
ClientSampleId :

Tgt Ion:105 Resp: 204376

Ion Ratio Lower Upper

105 100

134 19.6 10.2 30.6



#86

p-Isopropyltoluene

Concen: 20.478 ug/l

RT: 13.373 min Scan# 1895

Delta R.T. 0.006 min

Lab File: VY015685.D

Acq: 22 Sep 2023 15:09

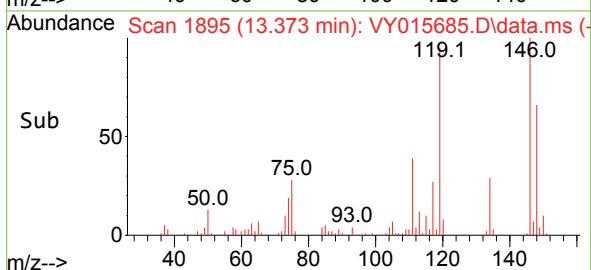
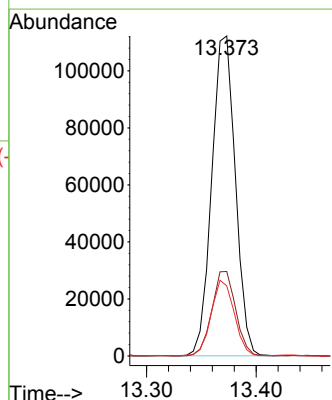
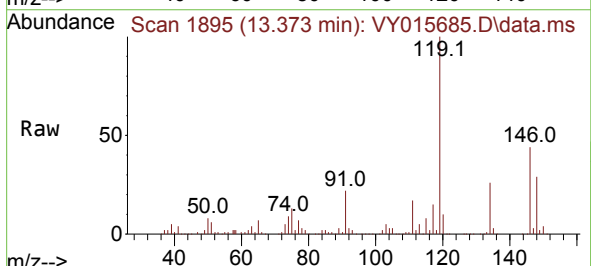
Tgt Ion:119 Resp: 167786

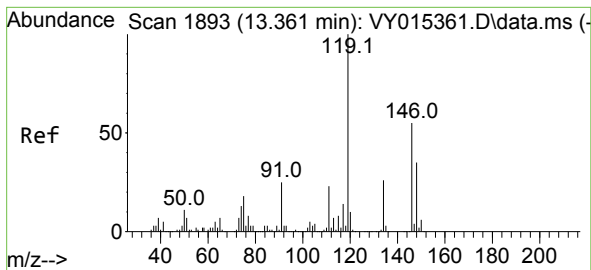
Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.8

91 22.9 12.4 37.4





#87

1,3-Dichlorobenzene

Concen: 20.376 ug/l

RT: 13.367 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY015685.D

Acq: 22 Sep 2023 15:09

Instrument :

MSVOA\_Y

ClientSampleId :

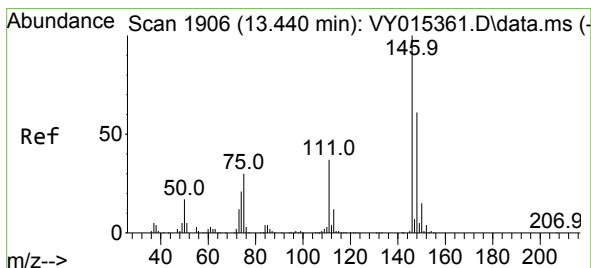
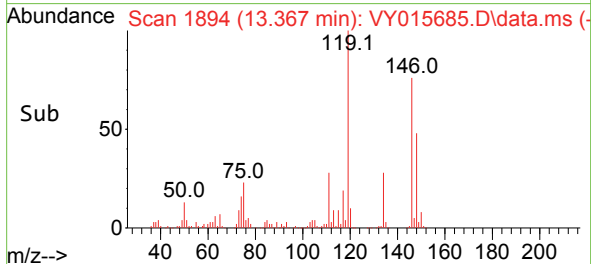
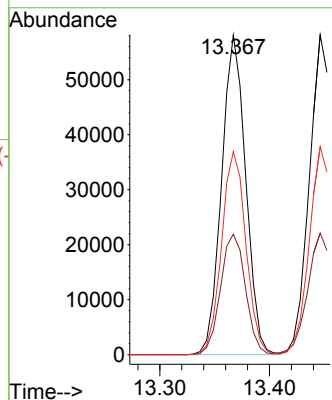
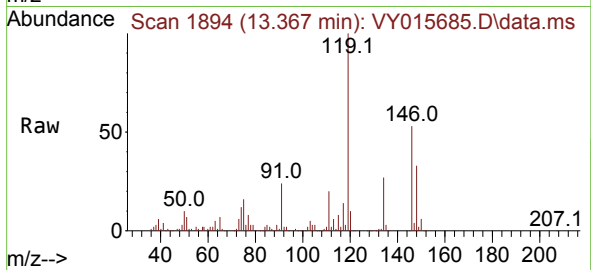
Tgt Ion:146 Resp: 88702

Ion Ratio Lower Upper

146 100

111 39.0 19.4 58.2

148 64.2 31.9 95.5



#88

1,4-Dichlorobenzene

Concen: 20.304 ug/l

RT: 13.446 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY015685.D

Acq: 22 Sep 2023 15:09

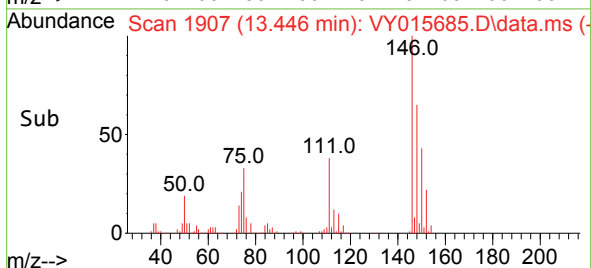
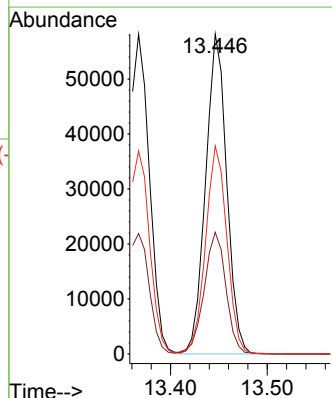
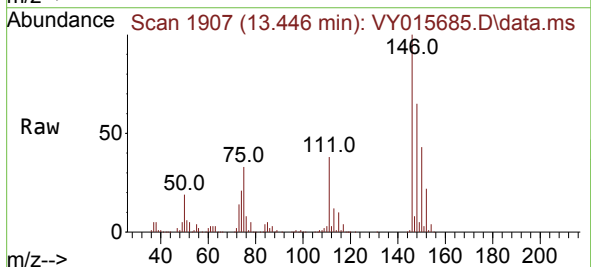
Tgt Ion:146 Resp: 88398

Ion Ratio Lower Upper

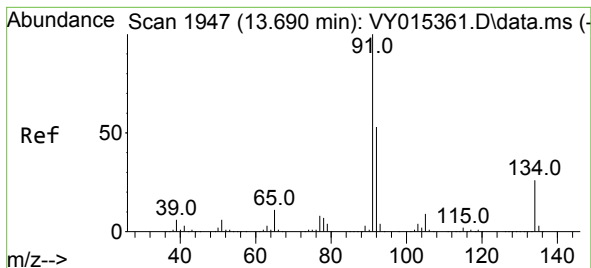
146 100

111 39.4 18.9 56.7

148 65.7 32.1 96.5







#89

n-Butylbenzene

Concen: 20.455 ug/l

RT: 13.696 min Scan# 1947

Delta R.T. 0.000 min

Lab File: VY015685.D

Acq: 22 Sep 2023 15:09

Instrument :

MSVOA\_Y

ClientSampleId :

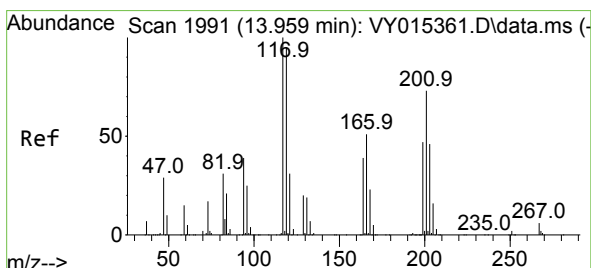
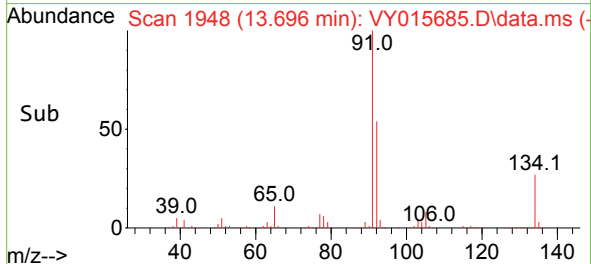
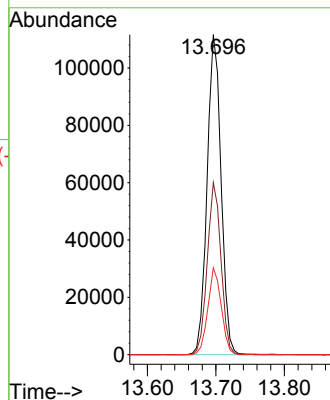
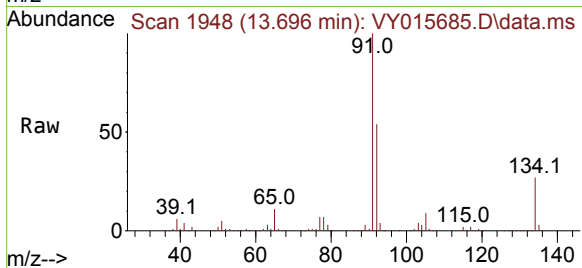
Tgt Ion: 91 Resp: 158702

Ion Ratio Lower Upper

91 100

92 52.8 25.4 76.0

134 26.0 12.6 37.6



#90

Hexachloroethane

Concen: 19.957 ug/l

RT: 13.964 min Scan# 1992

Delta R.T. 0.005 min

Lab File: VY015685.D

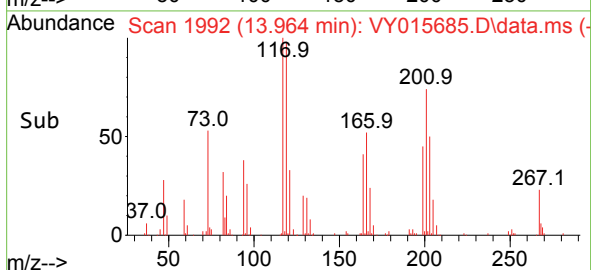
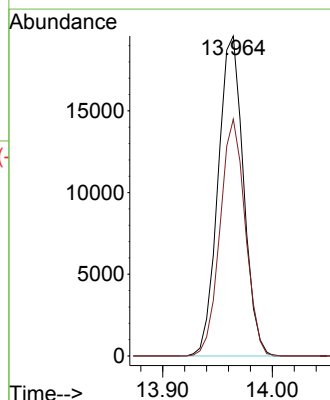
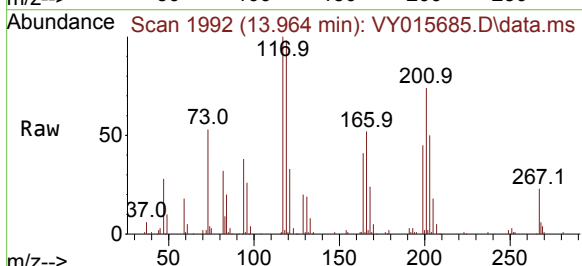
Acq: 22 Sep 2023 15:09

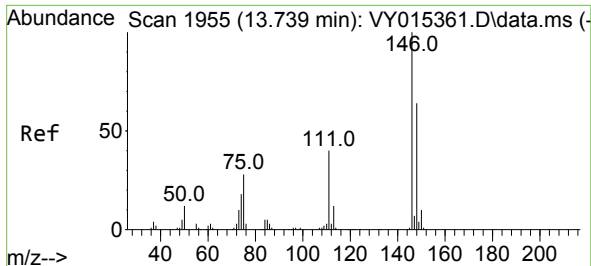
Tgt Ion: 117 Resp: 31558

Ion Ratio Lower Upper

117 100

201 73.3 41.6 124.8

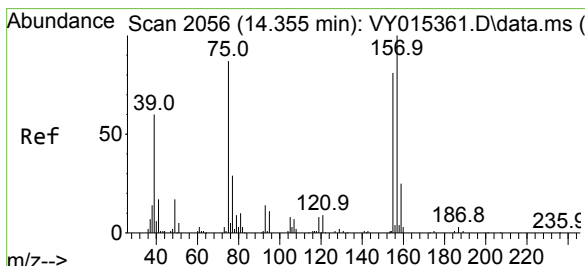
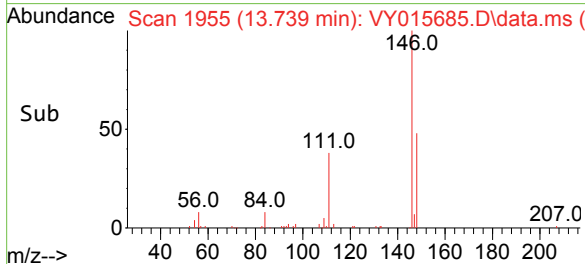
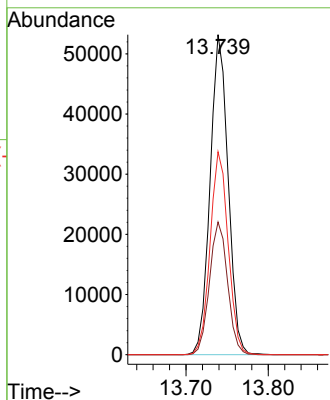
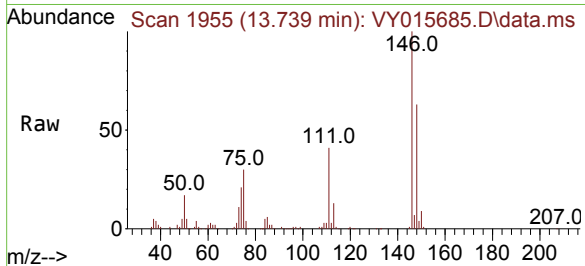




#91  
1,2-Dichlorobenzene  
Concen: 20.183 ug/l  
RT: 13.739 min Scan# 1955  
Delta R.T. -0.000 min  
Lab File: VY015685.D  
Acq: 22 Sep 2023 15:09

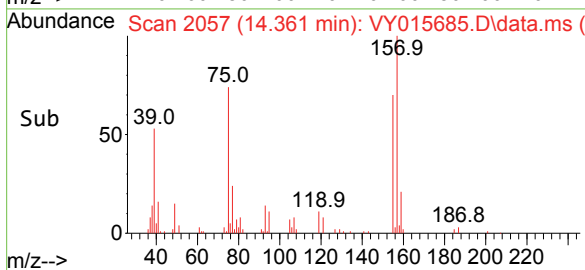
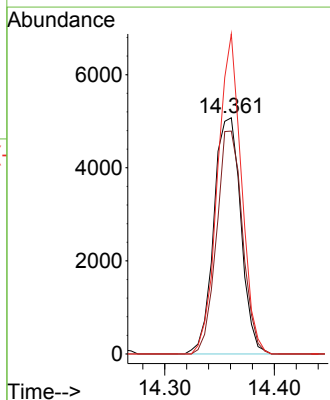
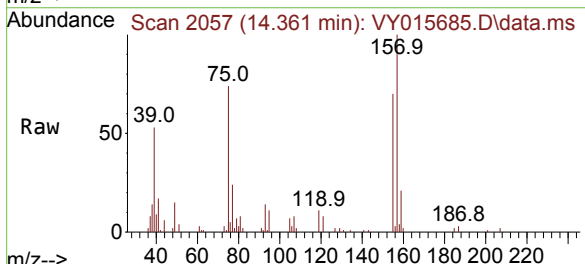
Instrument :  
MSVOA\_Y  
ClientSampleId :

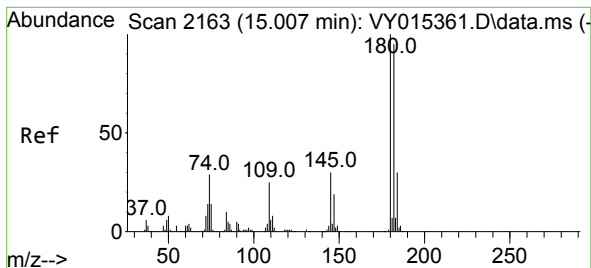
Tgt Ion:146 Resp: 81107  
Ion Ratio Lower Upper  
146 100  
111 41.7 19.7 59.0  
148 63.6 32.0 96.2



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 17.583 ug/l  
RT: 14.361 min Scan# 2057  
Delta R.T. 0.006 min  
Lab File: VY015685.D  
Acq: 22 Sep 2023 15:09

Tgt Ion: 75 Resp: 8688  
Ion Ratio Lower Upper  
75 100  
155 90.2 41.5 124.6  
157 119.4 51.8 155.5





#93

1,2,4-Trichlorobenzene

Concen: 19.758 ug/l

RT: 15.007 min Scan# 2163

Delta R.T. 0.006 min

Lab File: VY015685.D

Acq: 22 Sep 2023 15:09

Instrument :

MSVOA\_Y

ClientSampleId :

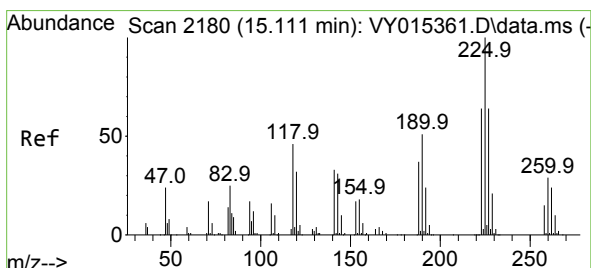
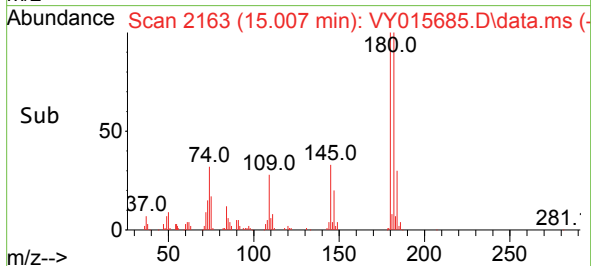
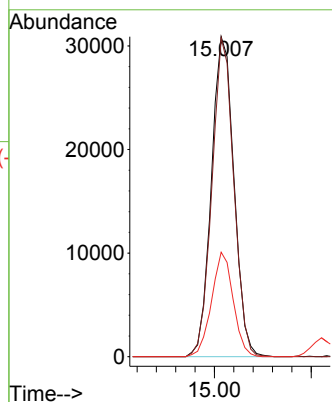
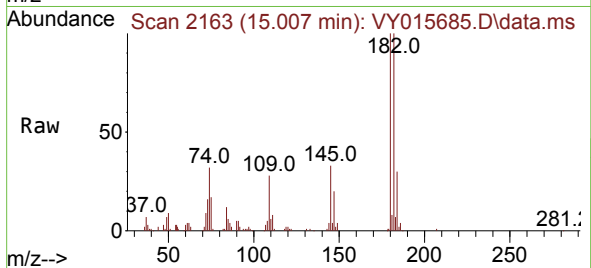
Tgt Ion:180 Resp: 49984

Ion Ratio Lower Upper

180 100

182 96.3 47.0 141.2

145 31.3 14.5 43.5



#94

Hexachlorobutadiene

Concen: 20.671 ug/l

RT: 15.111 min Scan# 2180

Delta R.T. -0.000 min

Lab File: VY015685.D

Acq: 22 Sep 2023 15:09

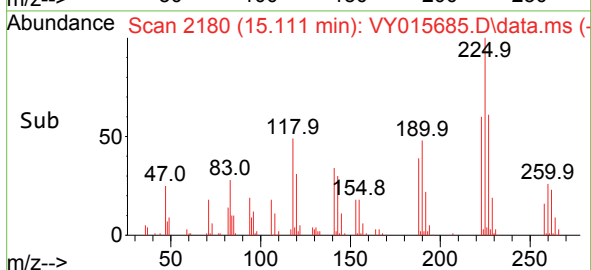
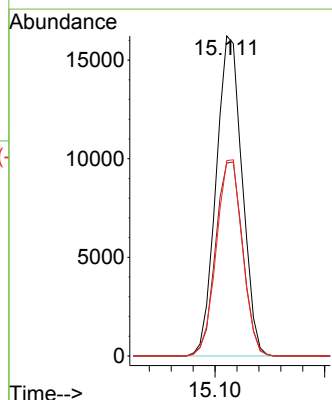
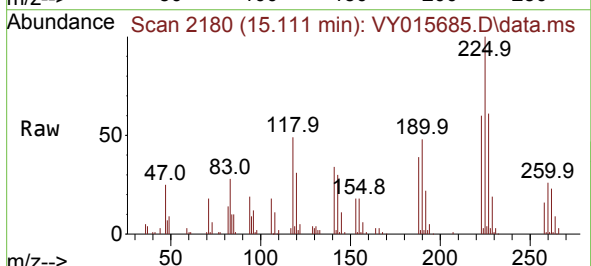
Tgt Ion:225 Resp: 26780

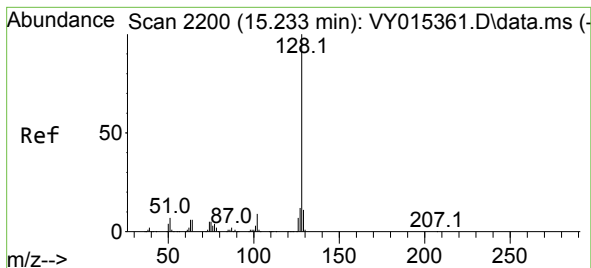
Ion Ratio Lower Upper

225 100

223 62.8 31.9 95.9

227 61.4 33.0 98.9





#95

Naphthalene

Concen: 18.596 ug/l

RT: 15.239 min Scan# 21

Delta R.T. 0.006 min

Lab File: VY015685.D

Acq: 22 Sep 2023 15:09

Instrument :

MSVOA\_Y

ClientSampleId :

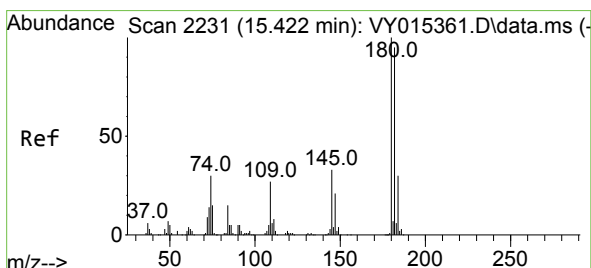
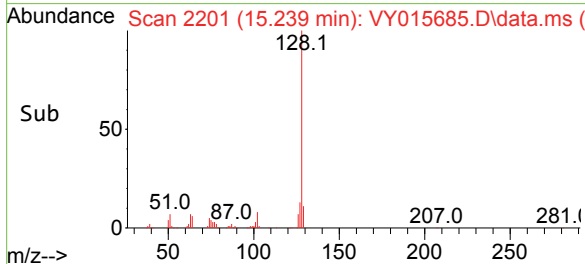
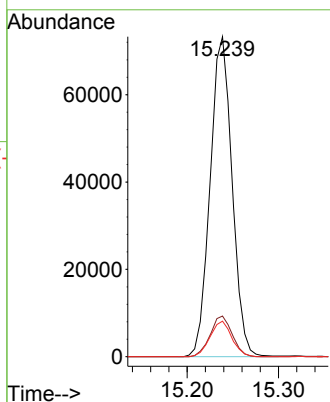
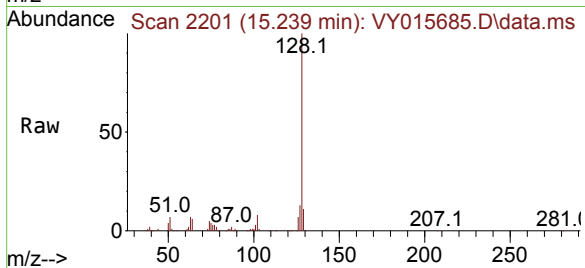
Tgt Ion:128 Resp: 122672

Ion Ratio Lower Upper

128 100

127 12.7 10.8 16.2

129 11.0 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 19.589 ug/l

RT: 15.428 min Scan# 2232

Delta R.T. 0.006 min

Lab File: VY015685.D

Acq: 22 Sep 2023 15:09

Tgt Ion:180 Resp: 45740

Ion Ratio Lower Upper

180 100

182 96.5 47.3 141.8

145 33.0 15.4 46.2

