

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY092923\  
 Data File : VY015771.D  
 Acq On : 29 Sep 2023 22:09  
 Operator : SY/MD  
 Sample : VY0929SBS02  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Sep 30 01:20:36 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      | 7.801  | 168  | 190910   | 50.000 | ug/l  | 0.02     |
| 34) 1,4-Difluorobenzene    | 8.697  | 114  | 331320   | 50.000 | ug/l  | 0.01     |
| 63) Chlorobenzene-d5       | 11.495 | 117  | 300772   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 149454   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.149  | 65    | 91716    | 43.663   | ug/l | 0.01    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 87.320% |
| 35) Dibromofluoromethane    | 7.728  | 113   | 80066    | 40.375   | ug/l | 0.01    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 80.740% |
| 50) Toluene-d8              | 10.185 | 98    | 286044   | 42.542   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 85.080% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 106733   | 40.450   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 80.900% |

|                              |       |     |        |        |        |     |
|------------------------------|-------|-----|--------|--------|--------|-----|
| Target Compounds             |       |     |        |        | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.912 | 85  | 16627  | 13.213 | ug/l   | 99  |
| 3) Chloromethane             | 2.113 | 50  | 21909  | 13.800 | ug/l   | 96  |
| 4) Vinyl Chloride            | 2.253 | 62  | 25844  | 14.238 | ug/l   | 90  |
| 5) Bromomethane              | 2.656 | 94  | 21186  | 14.105 | ug/l   | 99  |
| 6) Chloroethane              | 2.796 | 64  | 18777  | 13.956 | ug/l   | 97  |
| 7) Trichlorofluoromethane    | 3.119 | 101 | 48038  | 15.780 | ug/l   | 99  |
| 8) Diethyl Ether             | 3.540 | 74  | 21321  | 16.424 | ug/l   | 87  |
| 9) 1,1,2-Trichlorotrifluo... | 3.905 | 101 | 30167  | 15.827 | ug/l   | 94  |
| 10) Methyl Iodide            | 4.094 | 142 | 23972  | 12.840 | ug/l   | 98  |
| 11) Tert butyl alcohol       | 5.027 | 59  | 41581  | 52.594 | ug/l # | 96  |
| 12) 1,1-Dichloroethene       | 3.881 | 96  | 24310  | 14.474 | ug/l   | 89  |
| 13) Acrolein                 | 3.747 | 56  | 15256  | 47.424 | ug/l   | 99  |
| 14) Allyl chloride           | 4.491 | 41  | 45865  | 14.936 | ug/l   | 95  |
| 15) Acrylonitrile            | 5.180 | 53  | 85217  | 89.483 | ug/l   | 98  |
| 16) Acetone                  | 3.979 | 43  | 90665  | 80.654 | ug/l   | 95  |
| 17) Carbon Disulfide         | 4.198 | 76  | 35437  | 10.861 | ug/l   | 100 |
| 18) Methyl Acetate           | 4.497 | 43  | 72373  | 19.189 | ug/l   | 94  |
| 19) Methyl tert-butyl Ether  | 5.234 | 73  | 119725 | 17.502 | ug/l   | 98  |
| 20) Methylene Chloride       | 4.728 | 84  | 55956  | 19.807 | ug/l   | 89  |
| 21) trans-1,2-Dichloroethene | 5.234 | 96  | 29215  | 15.218 | ug/l   | 94  |
| 22) Diisopropyl ether        | 6.137 | 45  | 122421 | 16.565 | ug/l   | 92  |
| 23) Vinyl Acetate            | 6.076 | 43  | 354120 | 77.632 | ug/l # | 94  |
| 24) 1,1-Dichloroethane       | 6.027 | 63  | 64999  | 16.136 | ug/l   | 97  |
| 25) 2-Butanone               | 7.008 | 43  | 133353 | 83.928 | ug/l   | 96  |
| 26) 2,2-Dichloropropane      | 6.990 | 77  | 51239  | 13.917 | ug/l   | 96  |
| 27) cis-1,2-Dichloroethene   | 6.996 | 96  | 41429  | 16.256 | ug/l   | 94  |
| 28) Bromochloromethane       | 7.344 | 49  | 22176  | 20.292 | ug/l   | 93  |
| 29) Tetrahydrofuran          | 7.368 | 42  | 81076  | 90.279 | ug/l   | 91  |
| 30) Chloroform               | 7.514 | 83  | 73920  | 17.136 | ug/l   | 95  |
| 31) Cyclohexane              | 7.795 | 56  | 40756  | 14.006 | ug/l # | 84  |
| 32) 1,1,1-Trichloroethane    | 7.716 | 97  | 60191  | 16.902 | ug/l   | 99  |
| 36) 1,1-Dichloropropene      | 7.929 | 75  | 42969  | 14.655 | ug/l   | 99  |
| 37) Ethyl Acetate            | 7.094 | 43  | 54612  | 18.673 | ug/l   | 97  |
| 38) Carbon Tetrachloride     | 7.905 | 117 | 50971  | 16.015 | ug/l   | 99  |
| 39) Methylcyclohexane        | 9.191 | 83  | 44628  | 13.761 | ug/l   | 94  |
| 40) Benzene                  | 8.167 | 78  | 139427 | 15.593 | ug/l   | 98  |

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 Sample : VY0929SBS02  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Sep 30 01:20:36 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         | 7.319  | 41   | 25524    | 16.208  | ug/l   | 92       |
| 42) 1,2-Dichloroethane        | 8.246  | 62   | 52568    | 17.166  | ug/l   | 95       |
| 43) Isopropyl Acetate         | 8.283  | 43   | 86403    | 17.295  | ug/l   | 98       |
| 44) Trichloroethene           | 8.947  | 130  | 42130    | 16.869  | ug/l   | 97       |
| 45) 1,2-Dichloropropane       | 9.222  | 63   | 40176    | 16.112  | ug/l   | 99       |
| 46) Dibromomethane            | 9.313  | 93   | 26487    | 16.606  | ug/l   | 97       |
| 47) Bromodichloromethane      | 9.502  | 83   | 60254    | 16.948  | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.301  | 41   | 38248    | 17.442  | ug/l   | 90       |
| 49) 1,4-Dioxane               | 9.331  | 88   | 12967    | 411.499 | ug/l # | 52       |
| 51) 4-Methyl-2-Pentanone      | 10.075 | 43   | 281827   | 91.014  | ug/l   | 93       |
| 52) Toluene                   | 10.252 | 92   | 91784    | 15.922  | ug/l   | 95       |
| 53) t-1,3-Dichloropropene     | 10.471 | 75   | 60745    | 15.933  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 9.935  | 75   | 64655    | 15.754  | ug/l   | 93       |
| 55) 1,1,2-Trichloroethane     | 10.648 | 97   | 40731    | 17.425  | ug/l   | 95       |
| 56) Ethyl methacrylate        | 10.520 | 69   | 60042    | 17.430  | ug/l # | 86       |
| 57) 1,3-Dichloropropane       | 10.794 | 76   | 66093    | 16.861  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 9.788  | 63   | 74167    | 67.781  | ug/l   | 96       |
| 59) 2-Hexanone                | 10.837 | 43   | 214869   | 90.445  | ug/l   | 92       |
| 60) Dibromochloromethane      | 10.989 | 129  | 47399    | 17.371  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.093 | 107  | 39541    | 17.291  | ug/l   | 98       |
| 64) Tetrachloroethene         | 10.727 | 164  | 48686    | 18.867  | ug/l   | 95       |
| 65) Chlorobenzene             | 11.520 | 112  | 108805   | 16.573  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.599 | 131  | 43961    | 17.238  | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.599 | 91   | 184198   | 16.052  | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.709 | 106  | 140758   | 32.272  | ug/l   | 96       |
| 69) o-Xylene                  | 12.032 | 106  | 70600    | 16.507  | ug/l   | 97       |
| 70) Styrene                   | 12.050 | 104  | 123056   | 16.809  | ug/l   | 97       |
| 71) Bromoform                 | 12.215 | 173  | 33601    | 18.182  | ug/l # | 100      |
| 73) Isopropylbenzene          | 12.337 | 105  | 189369   | 16.890  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.148 | 43   | 72842    | 17.286  | ug/l   | 92       |
| 75) 1,1,2,2-Tetrachloroethane | 12.587 | 83   | 54573    | 17.490  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.636 | 75   | 72912    | 30.580  | ug/l # | 100      |
| 77) Bromobenzene              | 12.617 | 156  | 48164    | 17.501  | ug/l   | 97       |
| 78) n-propylbenzene           | 12.678 | 91   | 225499   | 16.556  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.764 | 91   | 131065   | 16.881  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 12.818 | 105  | 157287   | 16.758  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-b... | 12.386 | 75   | 17771    | 16.784  | ug/l   | 96       |
| 82) 4-Chlorotoluene           | 12.861 | 91   | 135612   | 16.732  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 13.081 | 119  | 140567   | 17.099  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene    | 13.123 | 105  | 159605   | 16.995  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.257 | 105  | 208378   | 16.938  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.373 | 119  | 174023   | 16.934  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.373 | 146  | 92113    | 16.871  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.452 | 146  | 95543    | 17.497  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.702 | 91   | 159042   | 16.344  | ug/l   | 97       |
| 90) Hexachloroethane          | 13.965 | 117  | 34258    | 17.273  | ug/l   | 90       |
| 91) 1,2-Dichlorobenzene       | 13.745 | 146  | 90402    | 17.937  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 14.361 | 75   | 12337    | 19.908  | ug/l   | 92       |
| 93) 1,2,4-Trichlorobenzene    | 15.013 | 180  | 55406    | 17.462  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.117 | 225  | 29067    | 17.889  | ug/l   | 96       |
| 95) Naphthalene               | 15.239 | 128  | 235318   | 28.442  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.428 | 180  | 52845    | 18.045  | ug/l   | 98       |

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Sample : VY0929SBS02  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 18 Sample Multiplier: 1

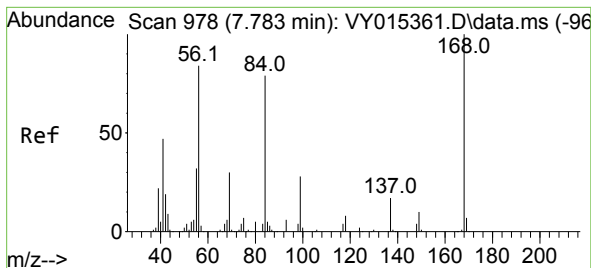
Instrument :  
MSVOA\_Y  
ClientSampleId :

Quant Time: Sep 30 01:20:36 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: 7.801 min Scan# 91

Delta R.T. 0.018 min

Lab File: VY015771.D

Acq: 29 Sep 2023 22:09

Instrument :

MSVOA\_Y

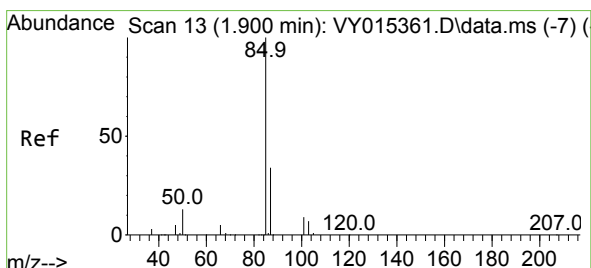
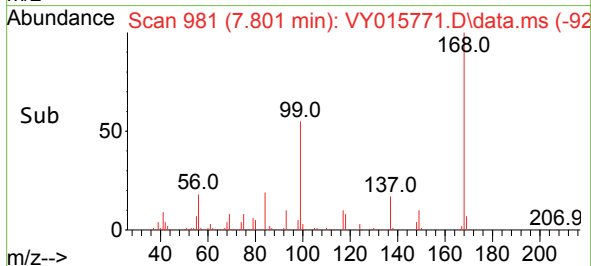
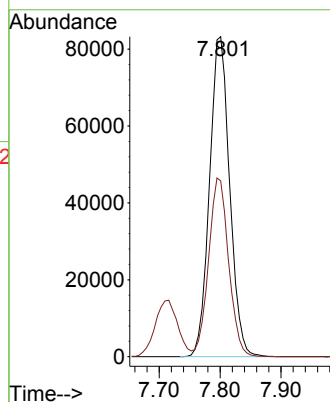
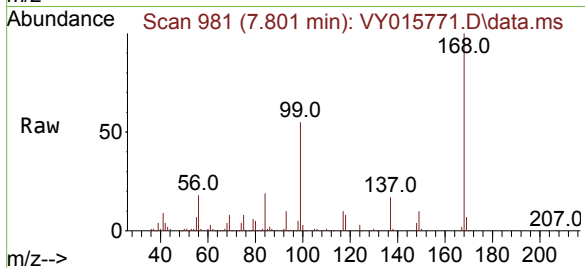
ClientSampleId :

Tgt Ion:168 Resp: 190910

Ion Ratio Lower Upper

168 100

99 54.9 43.4 65.0



#2

Dichlorodifluoromethane

Concen: 13.213 ug/l

RT: 1.912 min Scan# 15

Delta R.T. 0.012 min

Lab File: VY015771.D

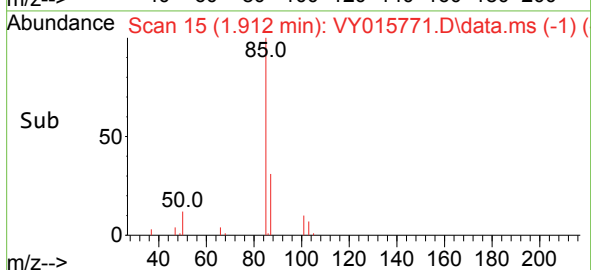
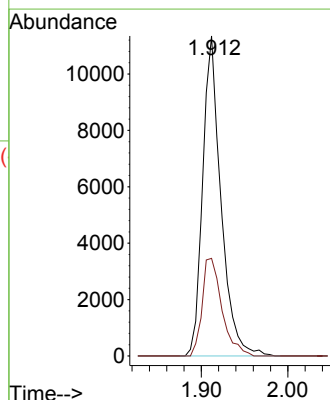
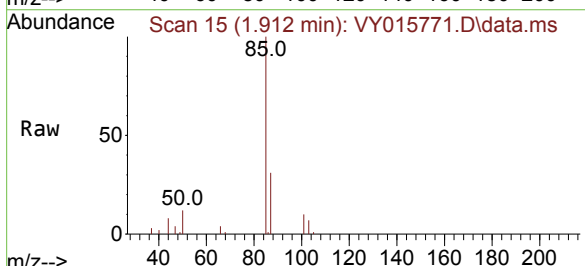
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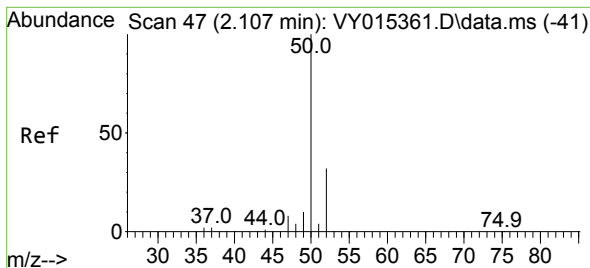
Tgt Ion: 85 Resp: 16627

Ion Ratio Lower Upper

85 100

87 30.5 15.6 46.8





#3

Chloromethane

Concen: 13.800 ug/l

RT: 2.113 min Scan# 41

Delta R.T. 0.006 min

Lab File: VY015771.D

Acq: 29 Sep 2023 22:09

Instrument :

MSVOA\_Y

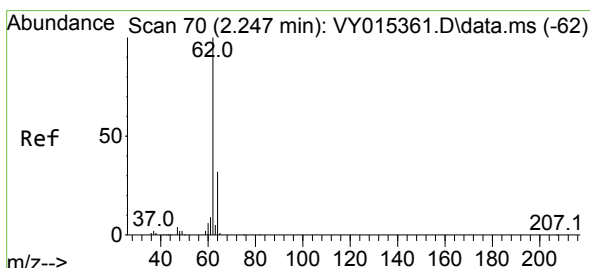
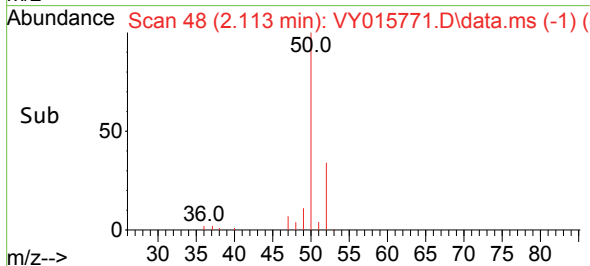
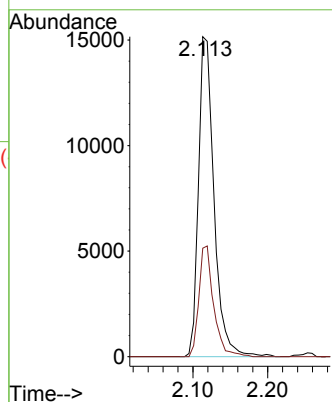
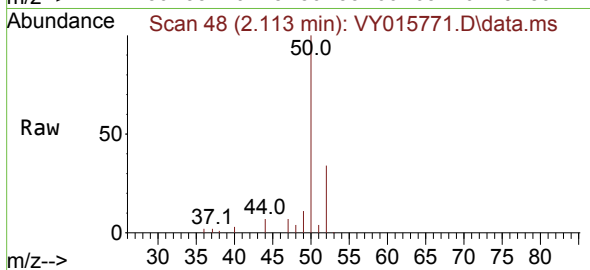
ClientSampleId :

Tgt Ion: 50 Resp: 21909

Ion Ratio Lower Upper

50 100

52 33.9 25.4 38.2



#4

Vinyl Chloride

Concen: 14.238 ug/l

RT: 2.253 min Scan# 71

Delta R.T. 0.012 min

Lab File: VY015771.D

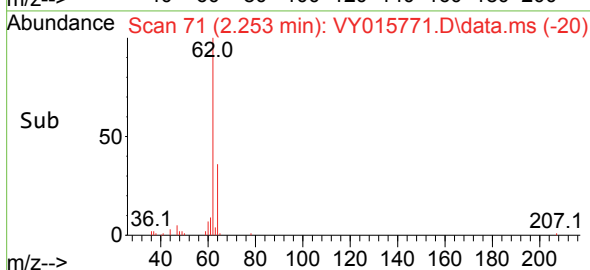
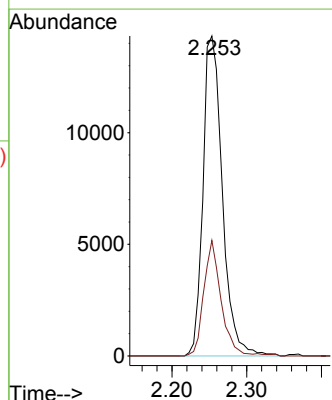
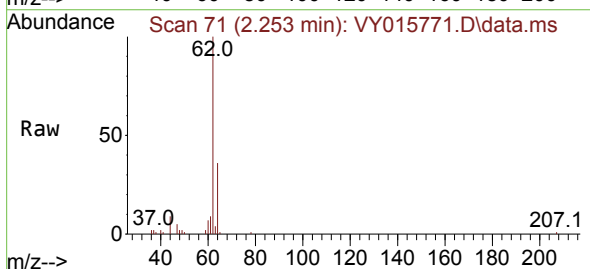
Acq: 29 Sep 2023 22:09

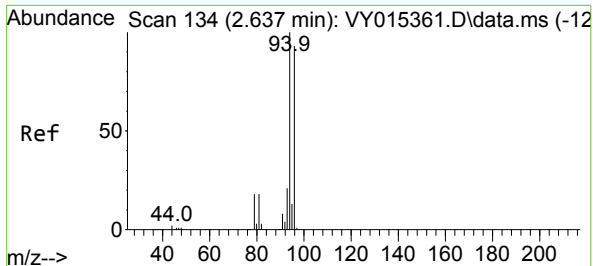
Tgt Ion: 62 Resp: 25844

Ion Ratio Lower Upper

62 100

64 36.1 24.3 36.5





#5

Bromomethane

Concen: 14.105 ug/l

RT: 2.656 min Scan# 11

Delta R.T. 0.019 min

Lab File: VY015771.D

Acq: 29 Sep 2023 22:09

Instrument :

MSVOA\_Y

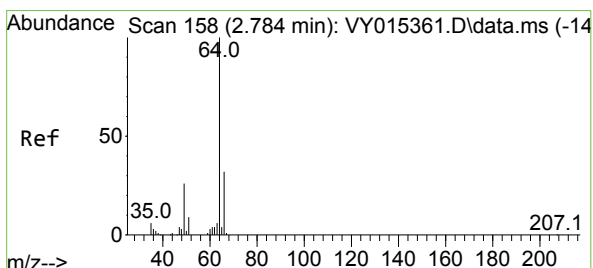
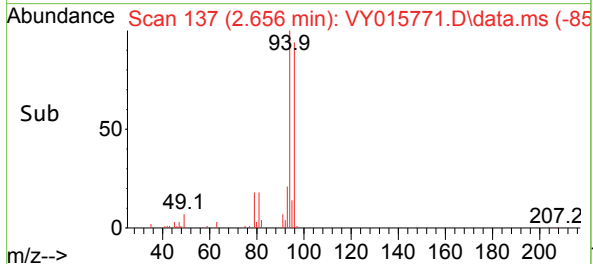
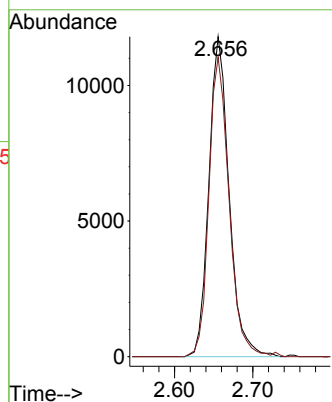
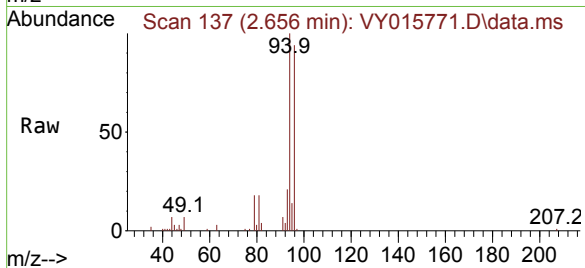
ClientSampleId :

Tgt Ion: 94 Resp: 21186

Ion Ratio Lower Upper

94 100

96 93.5 75.8 113.6



#6

Chloroethane

Concen: 13.956 ug/l

RT: 2.796 min Scan# 160

Delta R.T. 0.012 min

Lab File: VY015771.D

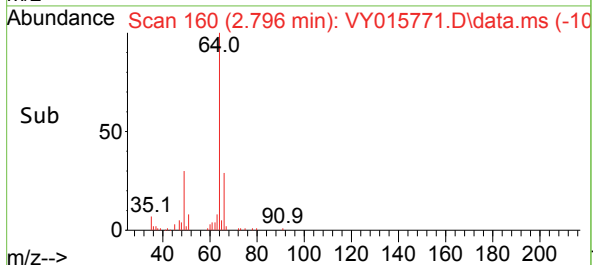
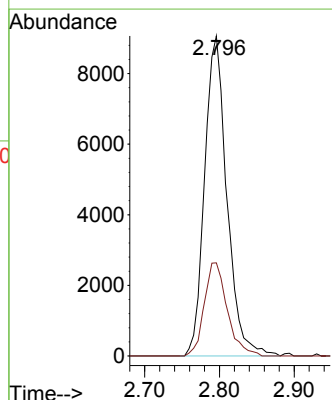
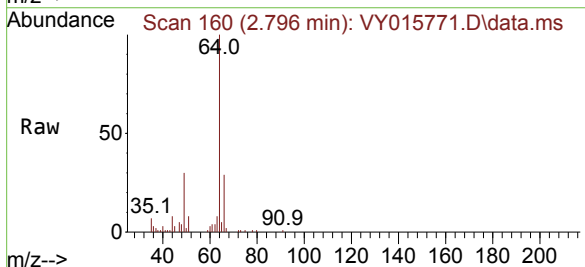
Acq: 29 Sep 2023 22:09

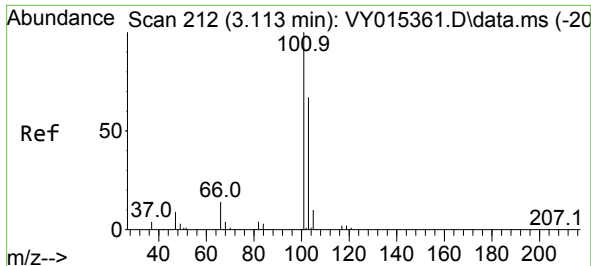
Tgt Ion: 64 Resp: 18777

Ion Ratio Lower Upper

64 100

66 29.1 24.4 36.6

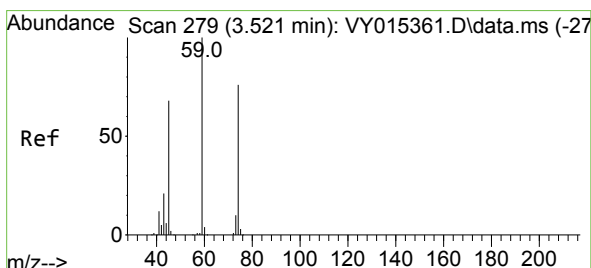
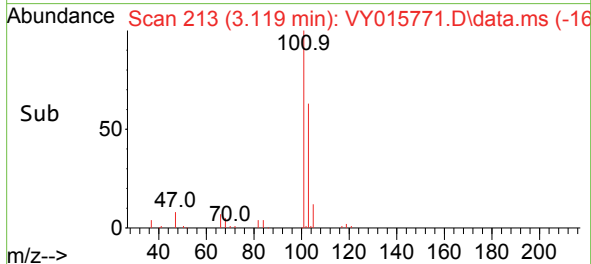
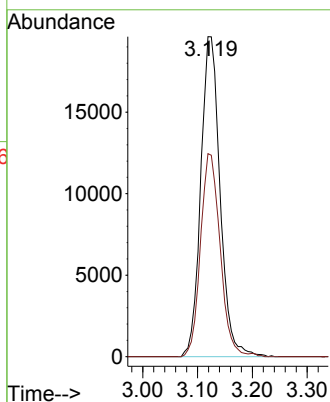
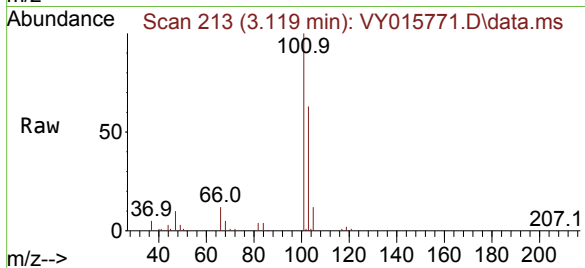




#7  
Trichlorofluoromethane  
Concen: 15.780 ug/l  
RT: 3.119 min Scan# 212  
Delta R.T. 0.006 min  
Lab File: VY015771.D  
Acq: 29 Sep 2023 22:09

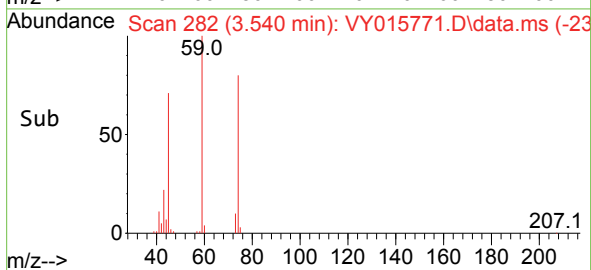
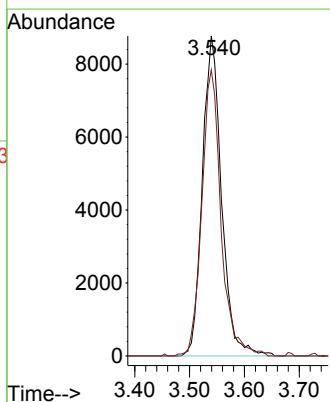
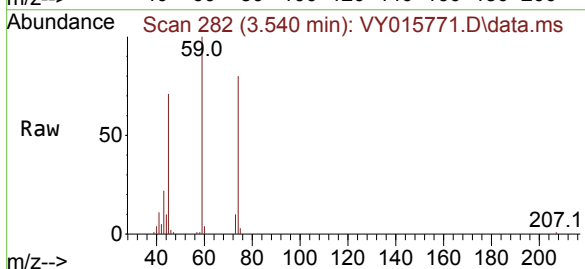
Instrument :  
MSVOA\_Y  
ClientSampleId :

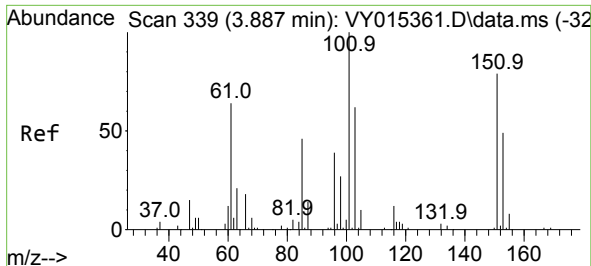
Tgt Ion:101 Resp: 48038  
Ion Ratio Lower Upper  
101 100  
103 63.5 51.4 77.0



#8  
Diethyl Ether  
Concen: 16.424 ug/l  
RT: 3.540 min Scan# 282  
Delta R.T. 0.019 min  
Lab File: VY015771.D  
Acq: 29 Sep 2023 22:09

Tgt Ion: 74 Resp: 21321  
Ion Ratio Lower Upper  
74 100  
45 89.4 51.5 154.5

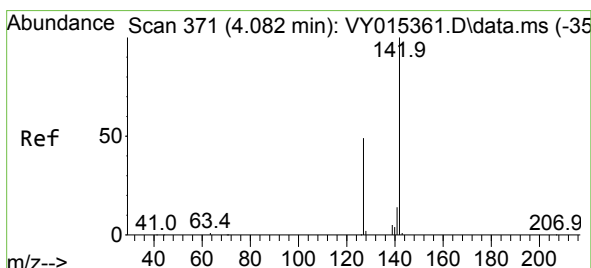
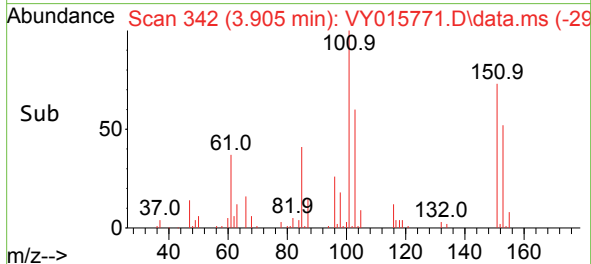
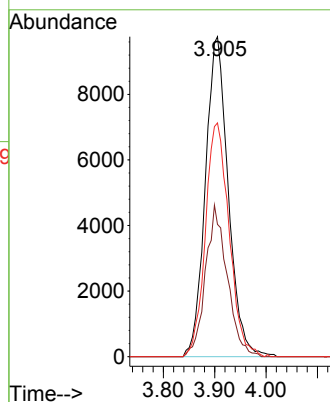
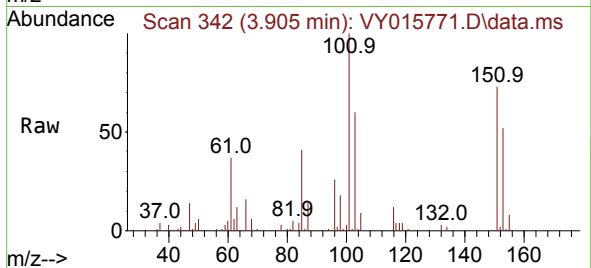




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 15.827 ug/l  
RT: 3.905 min Scan# 341  
Delta R.T. 0.012 min  
Lab File: VY015771.D  
Acq: 29 Sep 2023 22:09

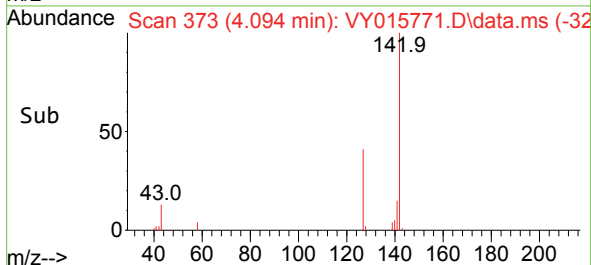
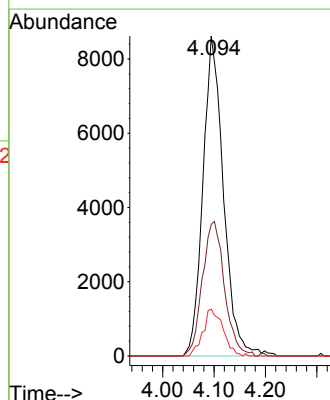
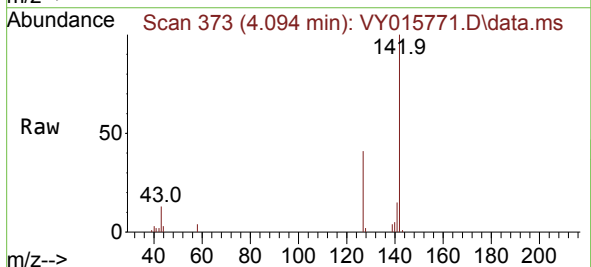
Instrument :  
MSVOA\_Y  
ClientSampleId :

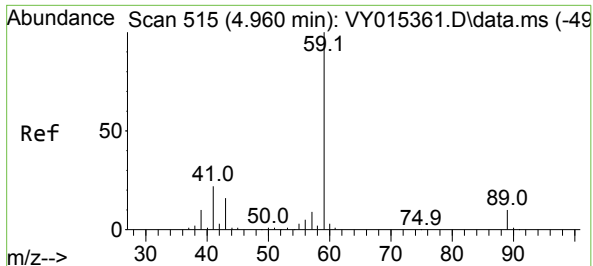
Tgt Ion:101 Resp: 30167  
Ion Ratio Lower Upper  
101 100  
85 45.0 36.6 55.0  
151 75.7 67.0 100.6



#10  
Methyl Iodide  
Concen: 12.840 ug/l  
RT: 4.094 min Scan# 373  
Delta R.T. 0.012 min  
Lab File: VY015771.D  
Acq: 29 Sep 2023 22:09

Tgt Ion:142 Resp: 23972  
Ion Ratio Lower Upper  
142 100  
127 45.1 37.6 56.4  
141 14.3 11.8 17.8

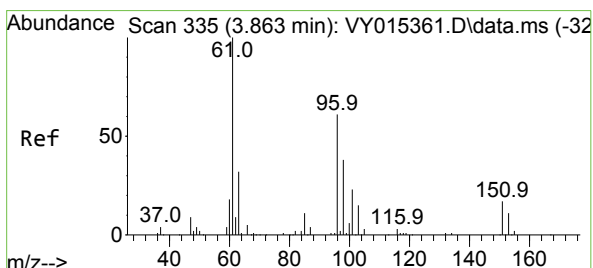
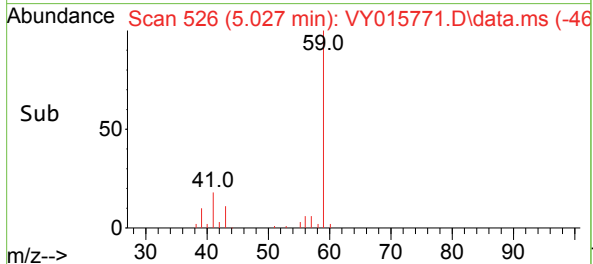
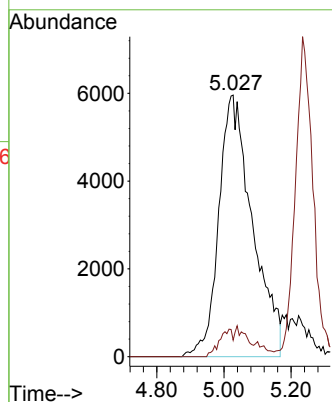
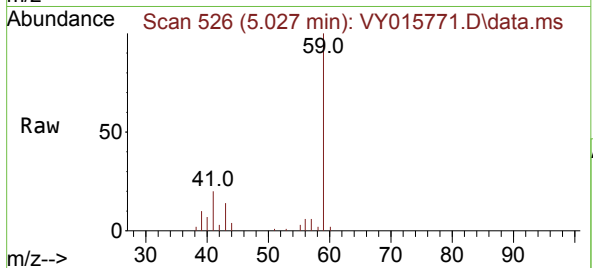




#11  
Tert butyl alcohol  
Concen: 52.594 ug/l  
RT: 5.027 min Scan# 51  
Delta R.T. 0.073 min  
Lab File: VY015771.D  
Acq: 29 Sep 2023 22:09

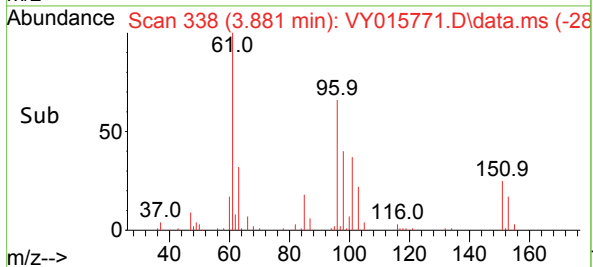
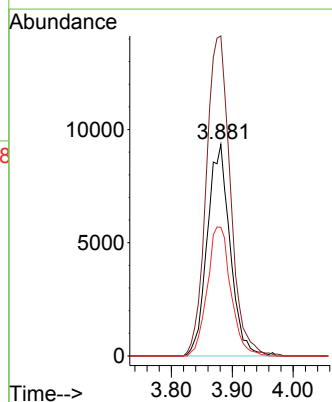
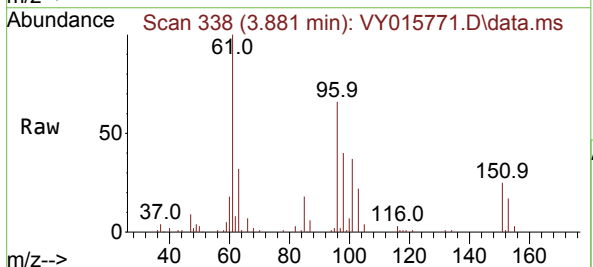
Instrument :  
MSVOA\_Y  
ClientSampleId :

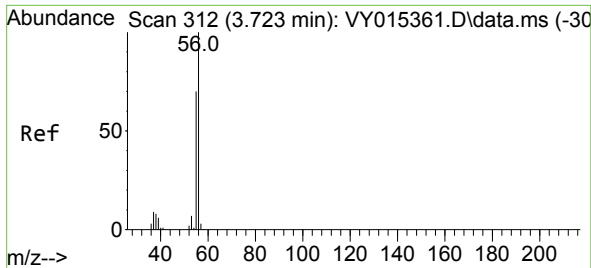
Tgt Ion: 59 Resp: 41581  
Ion Ratio Lower Upper  
59 100  
57 2.3 3.0 4.4#



#12  
1,1-Dichloroethene  
Concen: 14.474 ug/l  
RT: 3.881 min Scan# 338  
Delta R.T. 0.018 min  
Lab File: VY015771.D  
Acq: 29 Sep 2023 22:09

Tgt Ion: 96 Resp: 24310  
Ion Ratio Lower Upper  
96 100  
61 151.3 136.4 204.6  
98 60.8 49.4 74.2





#13

Acrolein

Concen: 47.424 ug/l

RT: 3.747 min Scan# 312

Delta R.T. 0.024 min

Lab File: VY015771.D

Acq: 29 Sep 2023 22:09

Instrument :

MSVOA\_Y

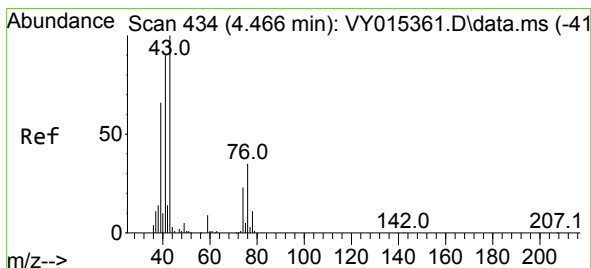
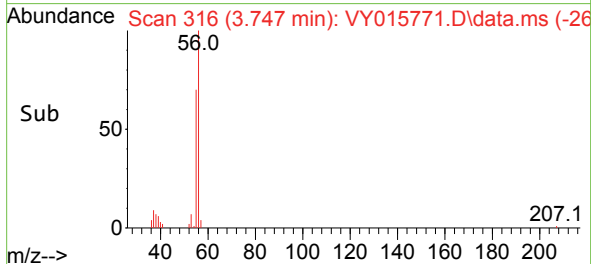
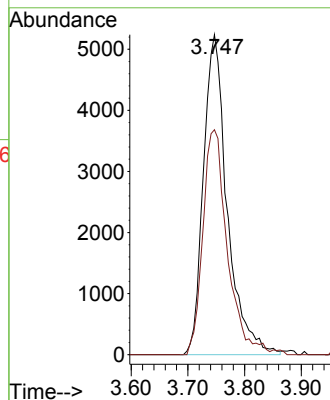
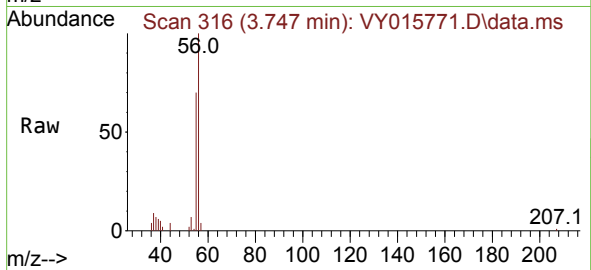
ClientSampleId :

Tgt Ion: 56 Resp: 15256

Ion Ratio Lower Upper

56 100

55 72.3 57.0 85.4



#14

Allyl chloride

Concen: 14.936 ug/l

RT: 4.491 min Scan# 438

Delta R.T. 0.019 min

Lab File: VY015771.D

Acq: 29 Sep 2023 22:09

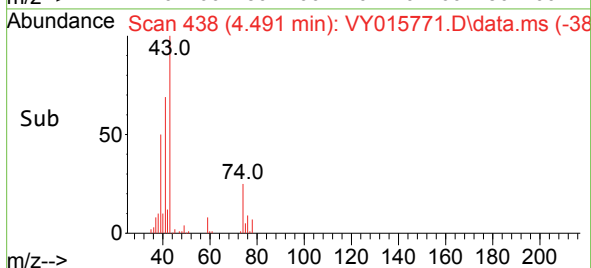
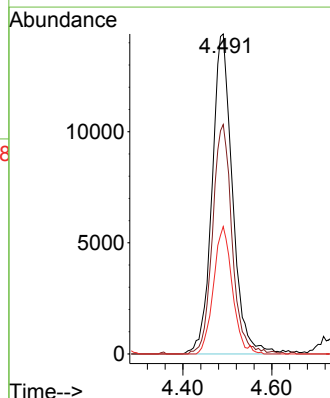
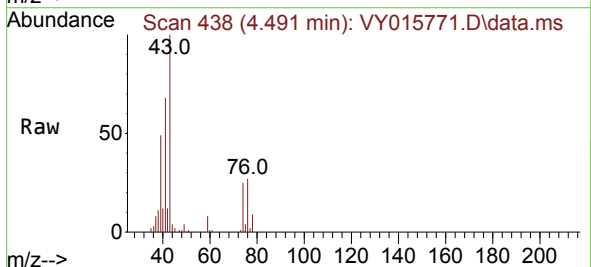
Tgt Ion: 41 Resp: 45865

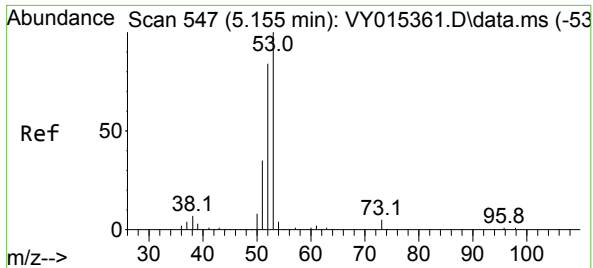
Ion Ratio Lower Upper

41 100

39 68.5 58.0 87.0

76 36.8 27.4 41.2

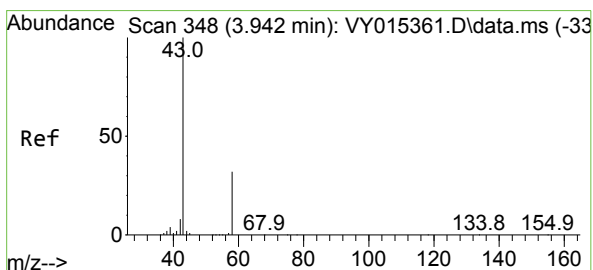
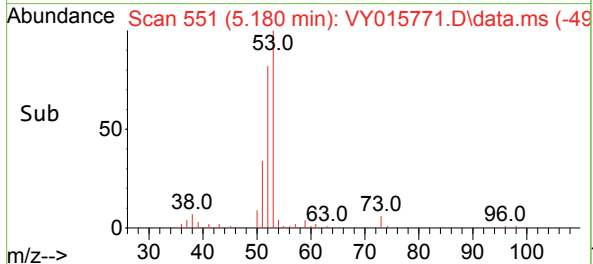
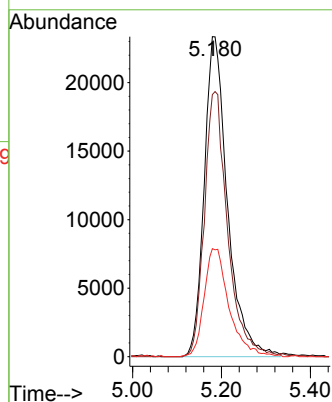
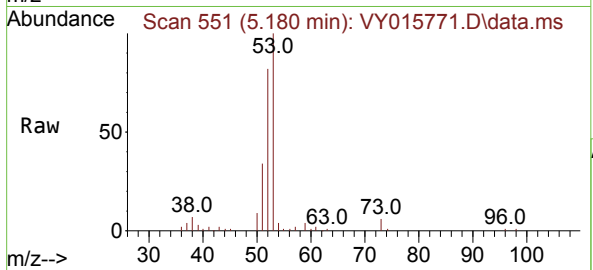




#15  
Acrylonitrile  
Concen: 89.483 ug/l  
RT: 5.180 min Scan# 51  
Delta R.T. 0.019 min  
Lab File: VY015771.D  
Acq: 29 Sep 2023 22:09

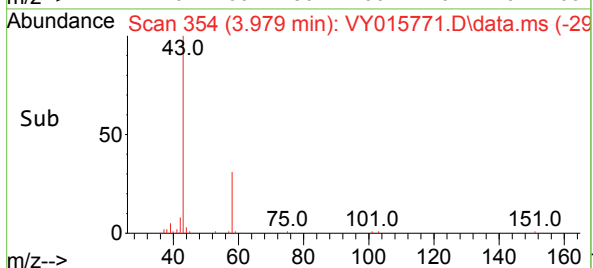
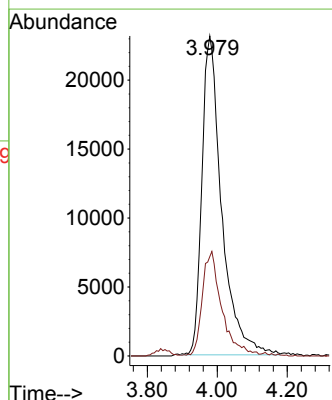
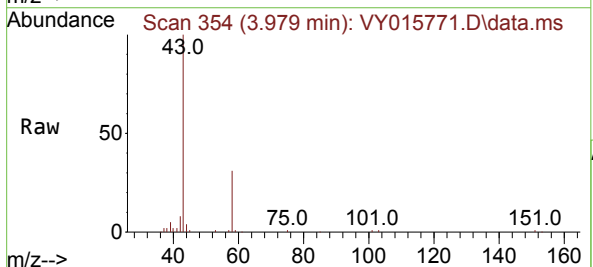
Instrument :  
MSVOA\_Y  
ClientSampleId :

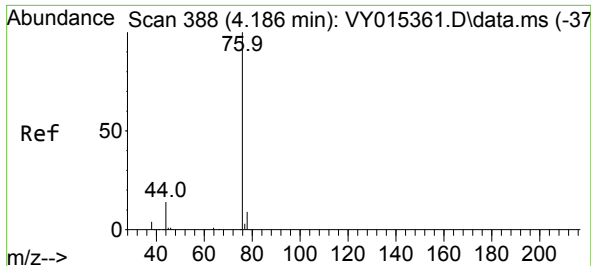
Tgt Ion: 53 Resp: 85217  
Ion Ratio Lower Upper  
53 100  
52 82.3 66.9 100.3  
51 36.2 29.8 44.6



#16  
Acetone  
Concen: 80.654 ug/l  
RT: 3.979 min Scan# 354  
Delta R.T. 0.037 min  
Lab File: VY015771.D  
Acq: 29 Sep 2023 22:09

Tgt Ion: 43 Resp: 90665  
Ion Ratio Lower Upper  
43 100  
58 30.9 22.7 34.1

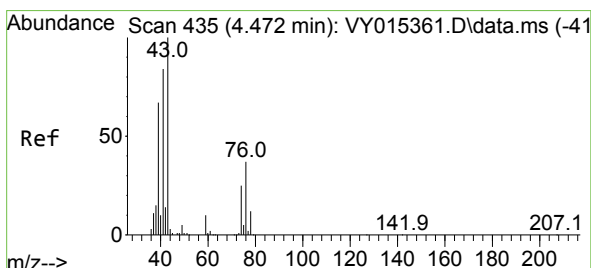
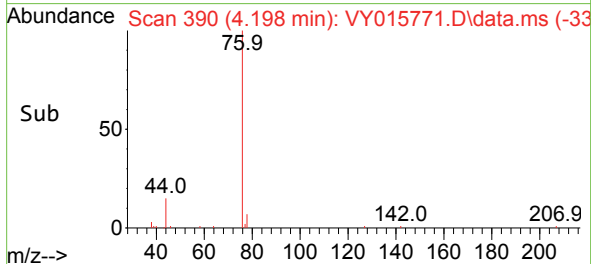
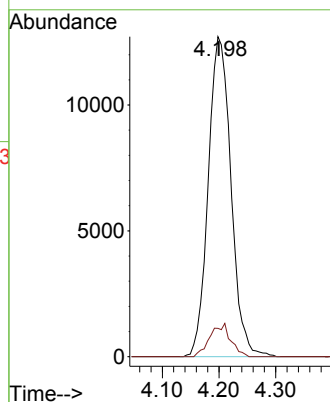
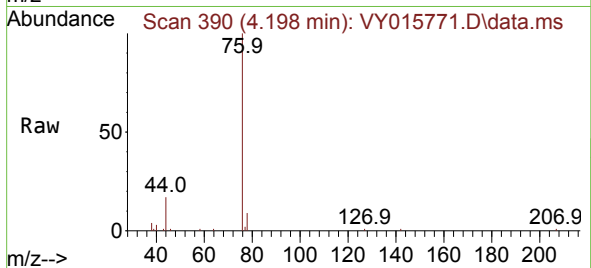




#17  
Carbon Disulfide  
Concen: 10.861 ug/l  
RT: 4.198 min Scan# 390  
Delta R.T. 0.012 min  
Lab File: VY015771.D  
Acq: 29 Sep 2023 22:09

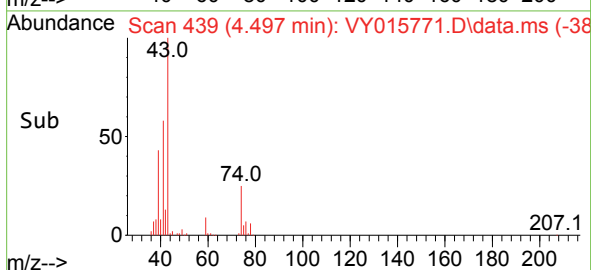
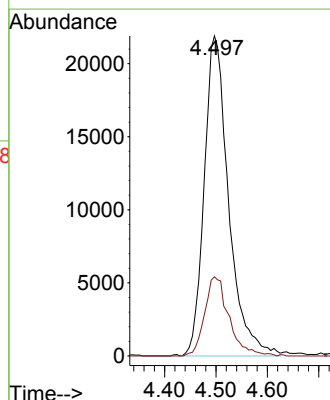
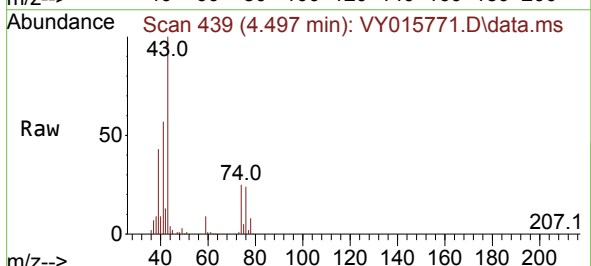
Instrument :  
MSVOA\_Y  
ClientSampleId :

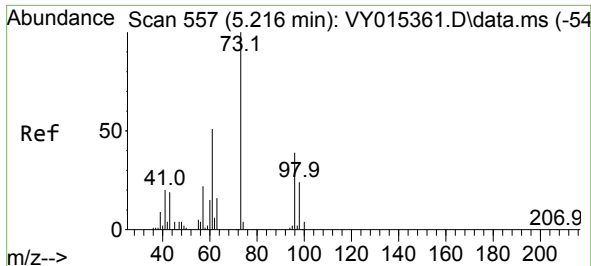
Tgt Ion: 76 Resp: 35437  
Ion Ratio Lower Upper  
76 100  
78 8.8 7.0 10.4



#18  
Methyl Acetate  
Concen: 19.189 ug/l  
RT: 4.497 min Scan# 439  
Delta R.T. 0.025 min  
Lab File: VY015771.D  
Acq: 29 Sep 2023 22:09

Tgt Ion: 43 Resp: 72373  
Ion Ratio Lower Upper  
43 100  
74 24.6 17.4 26.0





#19

Methyl tert-butyl Ether

Concen: 17.502 ug/l

RT: 5.234 min Scan# 5

Delta R.T. 0.024 min

Lab File: VY015771.D

Acq: 29 Sep 2023 22:09

Instrument :

MSVOA\_Y

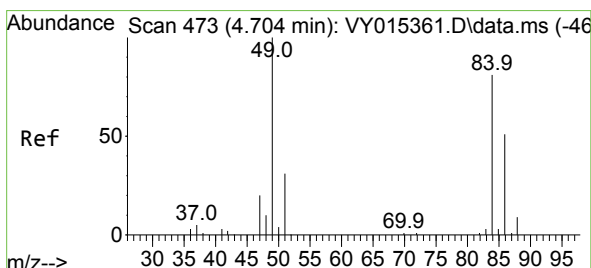
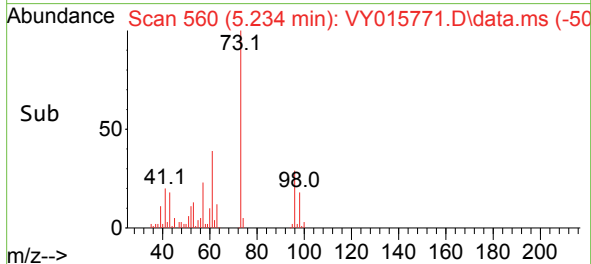
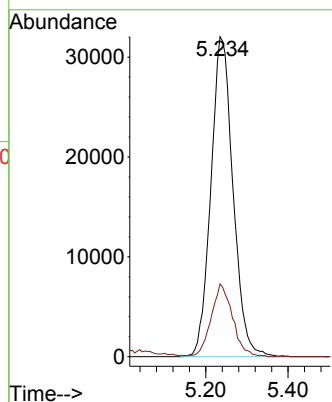
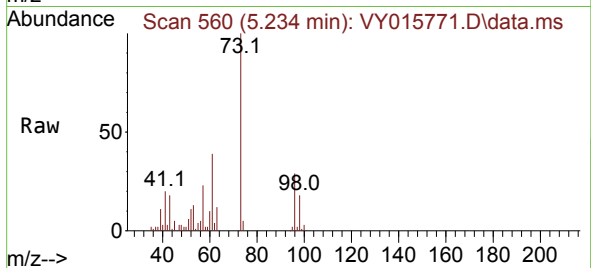
ClientSampleId :

Tgt Ion: 73 Resp: 119725

Ion Ratio Lower Upper

73 100

57 22.8 17.3 25.9



#20

Methylene Chloride

Concen: 19.807 ug/l

RT: 4.728 min Scan# 477

Delta R.T. 0.024 min

Lab File: VY015771.D

Acq: 29 Sep 2023 22:09

Tgt Ion: 84 Resp: 55956

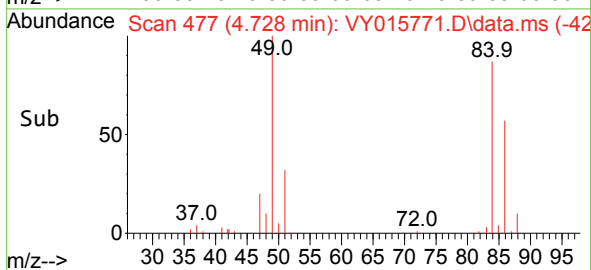
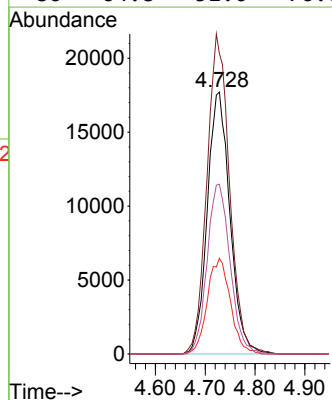
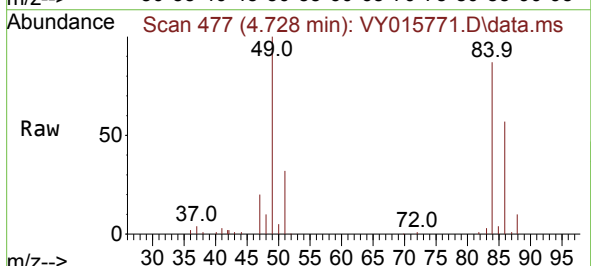
Ion Ratio Lower Upper

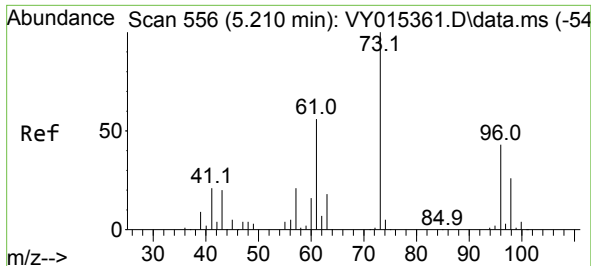
84 100

49 114.7 106.9 160.3

51 36.6 33.2 49.8

86 64.8 51.0 76.6

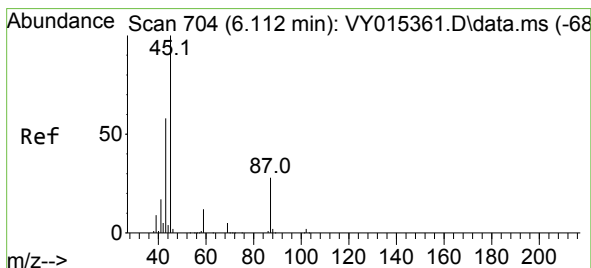
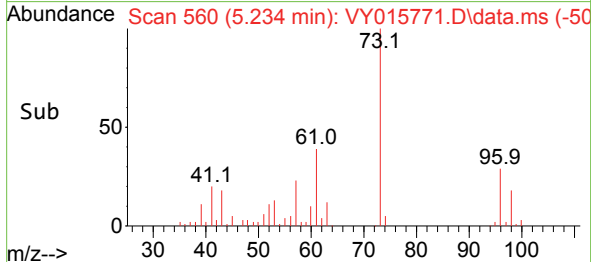
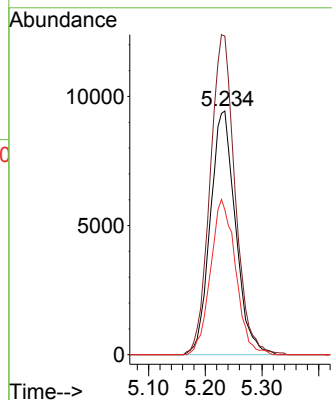
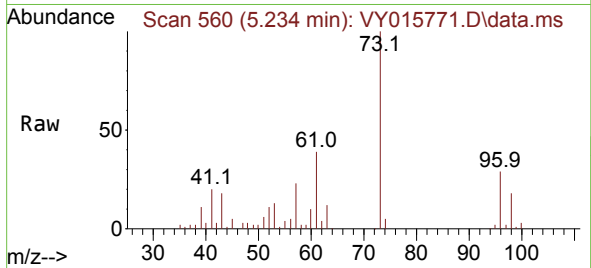




#21  
trans-1,2-Dichloroethene  
Concen: 15.218 ug/l  
RT: 5.234 min Scan# 501  
Delta R.T. 0.024 min  
Lab File: VY015771.D  
Acq: 29 Sep 2023 22:09

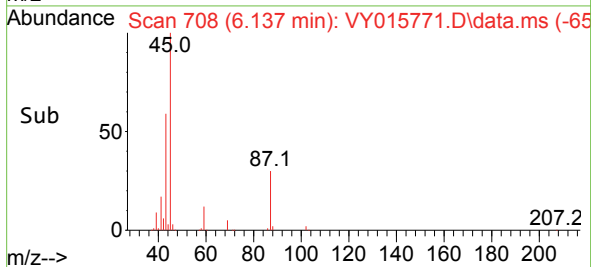
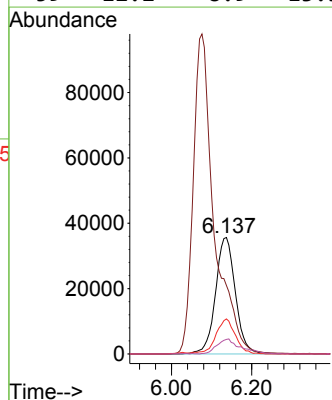
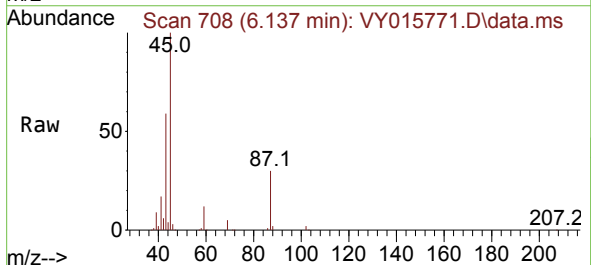
Instrument :  
MSVOA\_Y  
ClientSampleId :

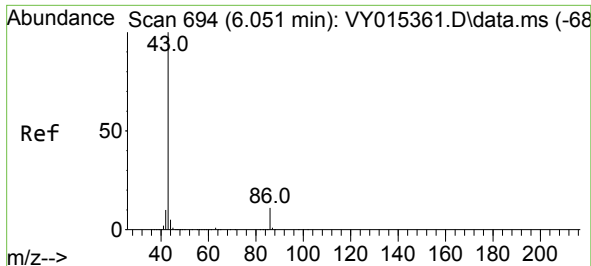
Tgt Ion: 96 Resp: 29215  
Ion Ratio Lower Upper  
96 100  
61 130.8 110.2 165.4  
98 59.5 51.8 77.6



#22  
Diisopropyl ether  
Concen: 16.565 ug/l  
RT: 6.137 min Scan# 708  
Delta R.T. 0.025 min  
Lab File: VY015771.D  
Acq: 29 Sep 2023 22:09

Tgt Ion: 45 Resp: 122421  
Ion Ratio Lower Upper  
45 100  
43 58.1 52.2 78.4  
87 30.0 21.0 31.6  
59 12.2 8.9 13.3

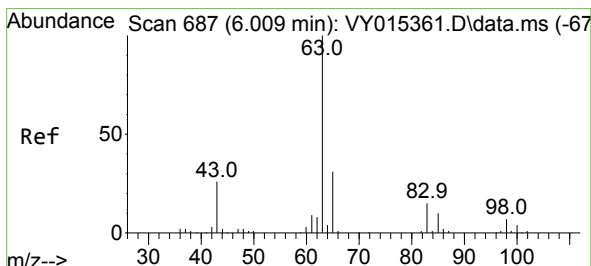
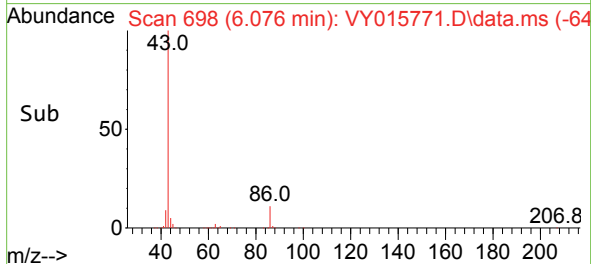
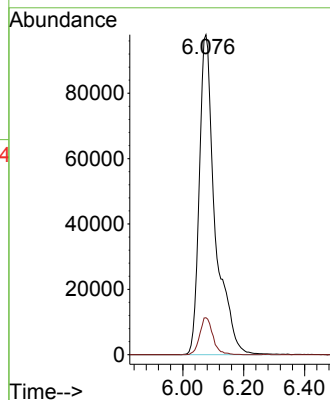
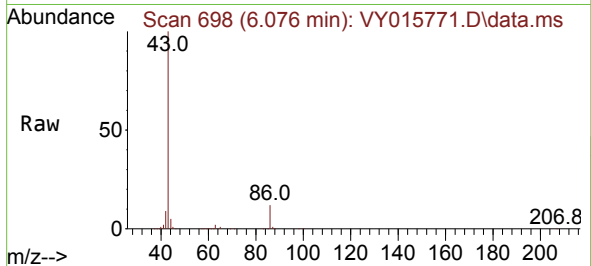




#23  
 Vinyl Acetate  
 Concen: 77.632 ug/l  
 RT: 6.076 min Scan# 694  
 Delta R.T. 0.025 min  
 Lab File: VY015771.D  
 Acq: 29 Sep 2023 22:09

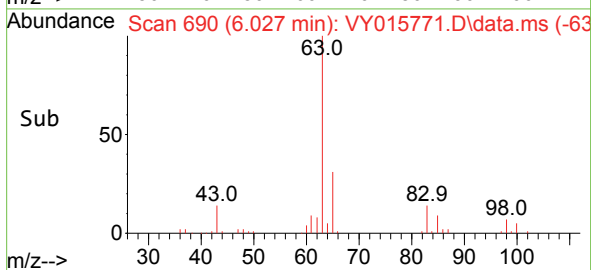
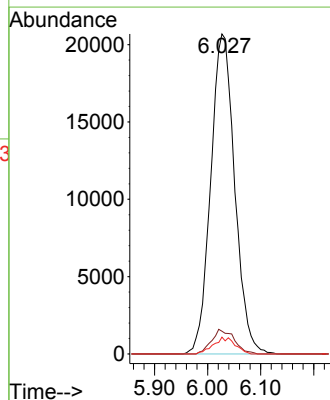
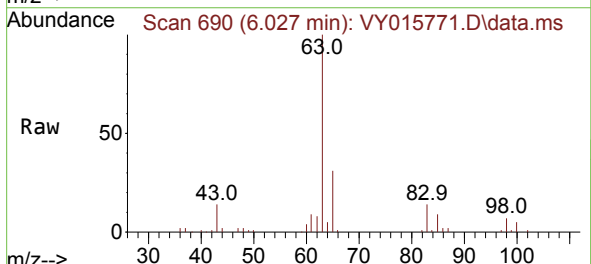
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

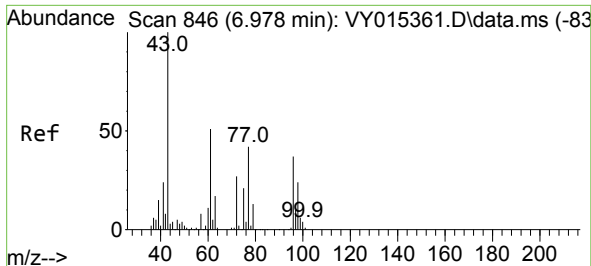
Tgt Ion: 43 Resp: 354120  
 Ion Ratio Lower Upper  
 43 100  
 86 11.6 7.5 11.3#



#24  
 1,1-Dichloroethane  
 Concen: 16.136 ug/l  
 RT: 6.027 min Scan# 690  
 Delta R.T. 0.024 min  
 Lab File: VY015771.D  
 Acq: 29 Sep 2023 22:09

Tgt Ion: 63 Resp: 64999  
 Ion Ratio Lower Upper  
 63 100  
 98 7.1 3.1 9.4  
 100 5.2 1.8 5.5

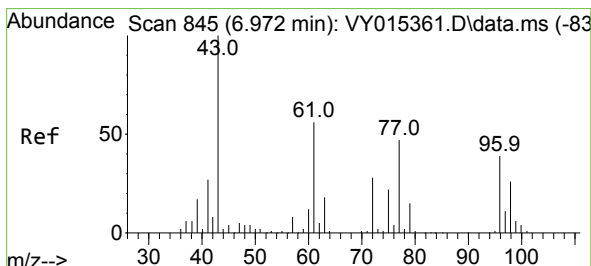
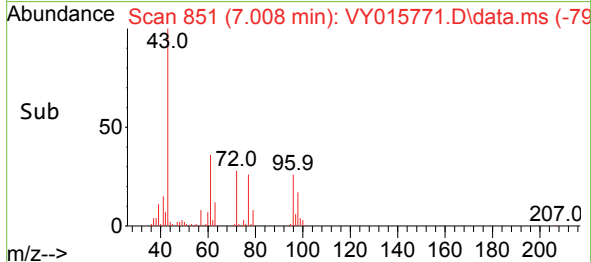
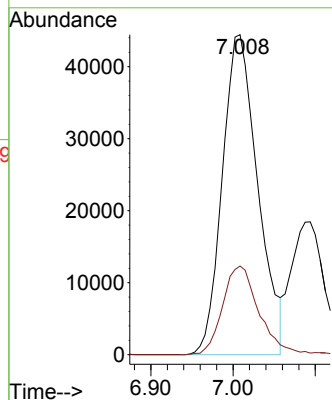
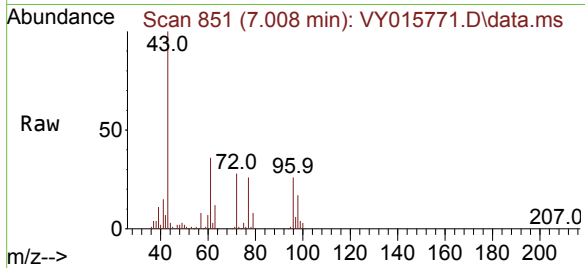




#25  
2-Butanone  
Concen: 83.928 ug/l  
RT: 7.008 min Scan# 81  
Delta R.T. 0.030 min  
Lab File: VY015771.D  
Acq: 29 Sep 2023 22:09

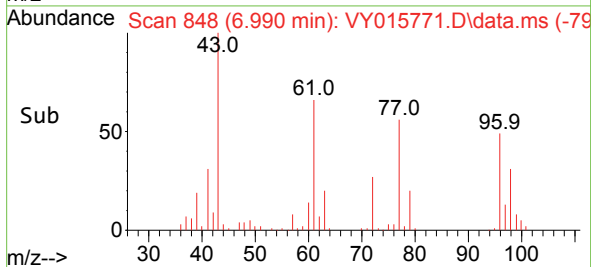
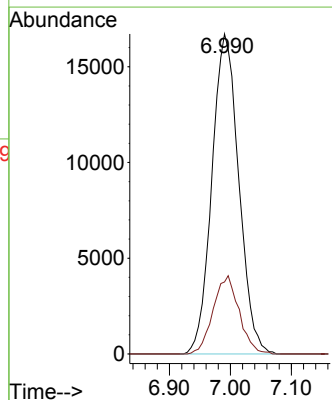
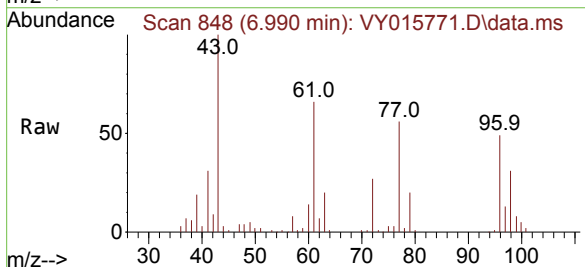
Instrument :  
MSVOA\_Y  
ClientSampleId :

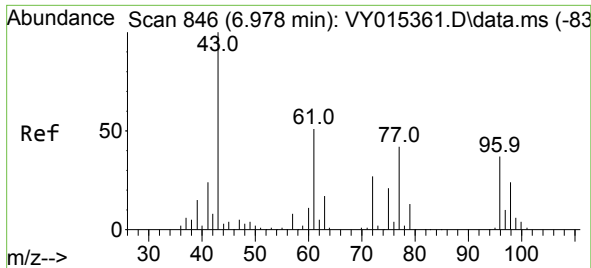
Tgt Ion: 43 Resp: 133353  
Ion Ratio Lower Upper  
43 100  
72 27.7 20.5 30.7



#26  
2,2-Dichloropropane  
Concen: 13.917 ug/l  
RT: 6.990 min Scan# 848  
Delta R.T. 0.018 min  
Lab File: VY015771.D  
Acq: 29 Sep 2023 22:09

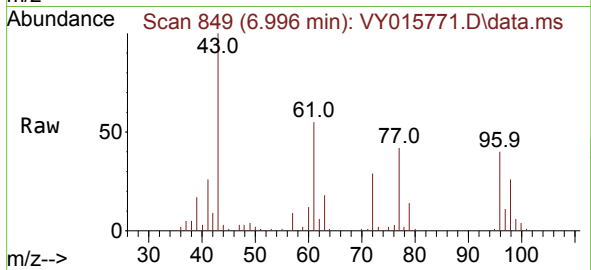
Tgt Ion: 77 Resp: 51239  
Ion Ratio Lower Upper  
77 100  
97 23.6 10.9 32.9





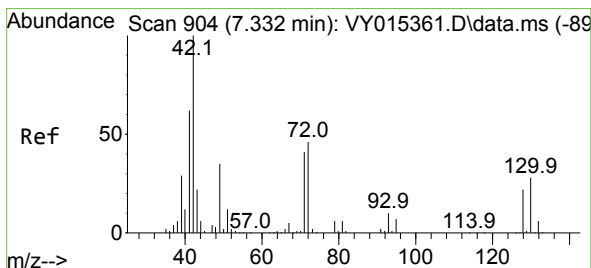
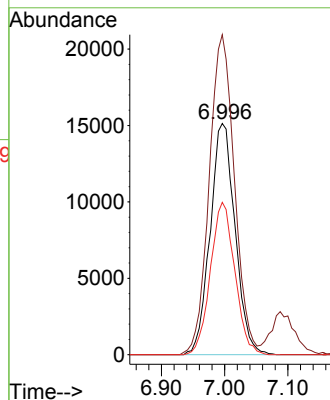
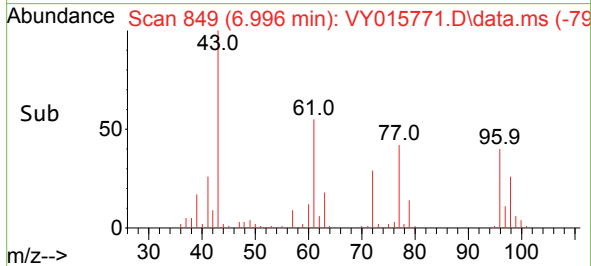
#27  
 cis-1,2-Dichloroethene  
 Concen: 16.256 ug/l  
 RT: 6.996 min Scan# 846  
 Delta R.T. 0.018 min  
 Lab File: VY015771.D  
 Acq: 29 Sep 2023 22:09

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

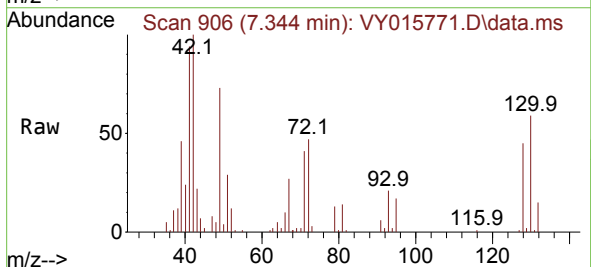


Tgt Ion: 96 Resp: 41429  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 139.8 | 0.0   | 301.4 |
| 98  | 64.5  | 0.0   | 130.4 |

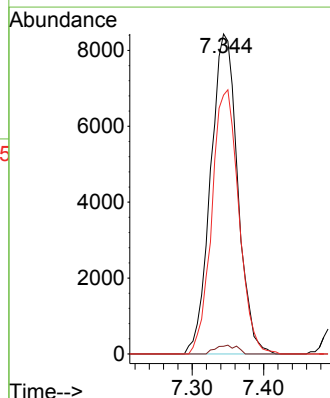
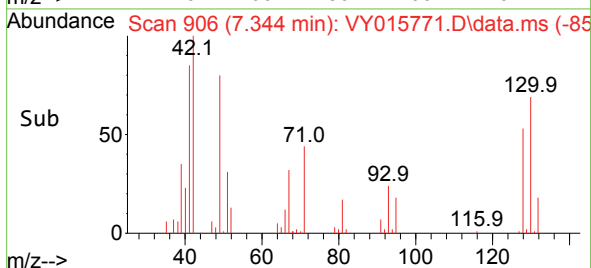


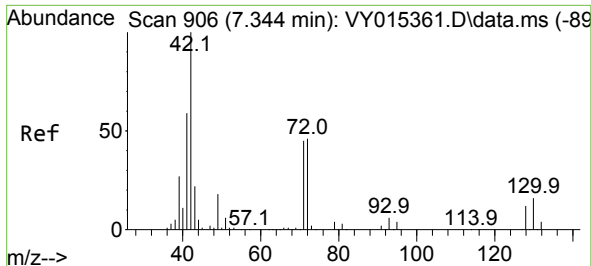
#28  
 Bromochloromethane  
 Concen: 20.292 ug/l  
 RT: 7.344 min Scan# 906  
 Delta R.T. 0.018 min  
 Lab File: VY015771.D  
 Acq: 29 Sep 2023 22:09



Tgt Ion: 49 Resp: 22176  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 49  | 100   |       |       |
| 129 | 2.2   | 0.0   | 4.6   |
| 130 | 82.1  | 60.7  | 91.1  |





#29

Tetrahydrofuran

Concen: 90.279 ug/l

RT: 7.368 min Scan# 91

Delta R.T. 0.024 min

Lab File: VY015771.D

Acq: 29 Sep 2023 22:09

Instrument :

MSVOA\_Y

ClientSampleId :

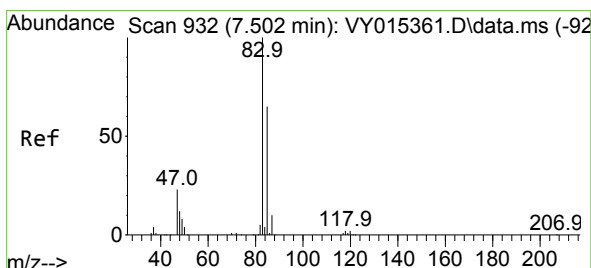
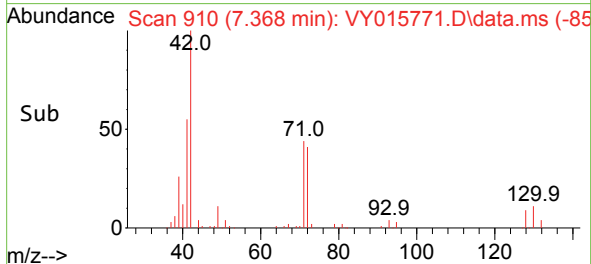
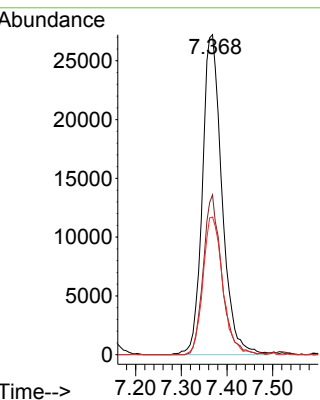
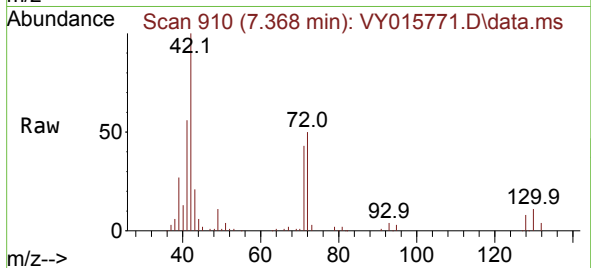
Tgt Ion: 42 Resp: 81076

Ion Ratio Lower Upper

42 100

72 46.8 32.8 49.2

71 43.5 31.0 46.4



#30

Chloroform

Concen: 17.136 ug/l

RT: 7.514 min Scan# 934

Delta R.T. 0.018 min

Lab File: VY015771.D

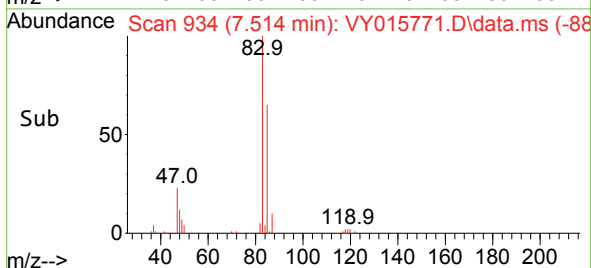
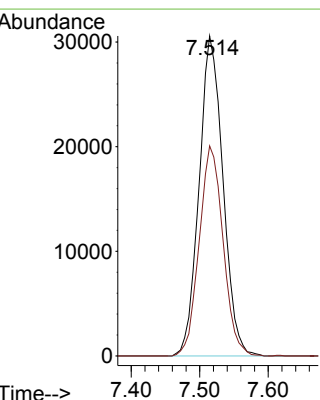
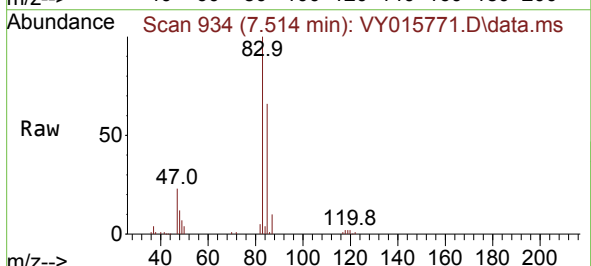
Acq: 29 Sep 2023 22:09

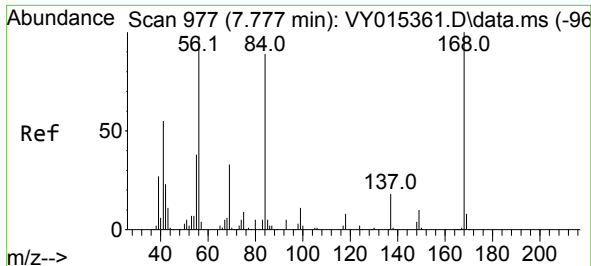
Tgt Ion: 83 Resp: 73920

Ion Ratio Lower Upper

83 100

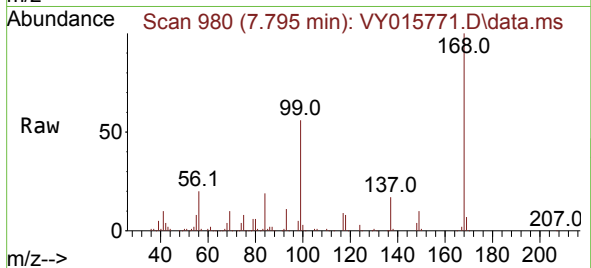
85 65.7 49.7 74.5



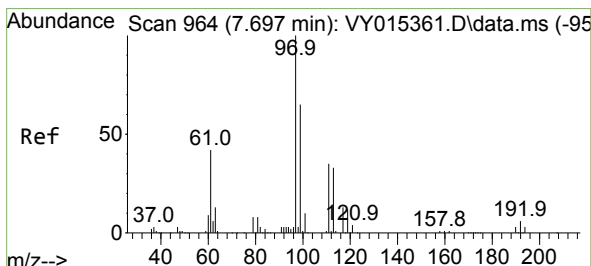
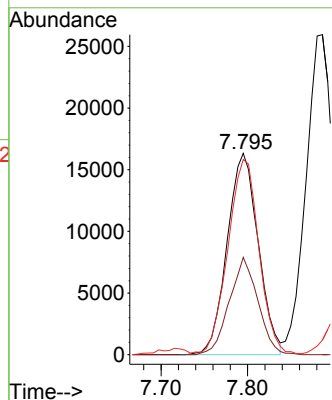
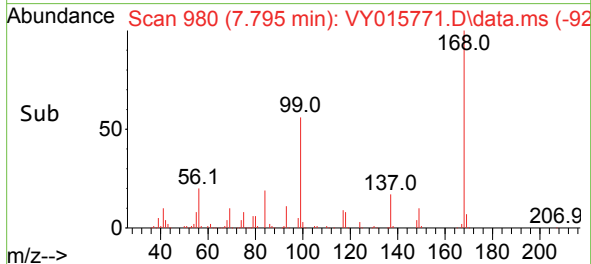


#31  
Cyclohexane  
Concen: 14.006 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. 0.012 min  
Lab File: VY015771.D  
Acq: 29 Sep 2023 22:09

Instrument :  
MSVOA\_Y  
ClientSampleId :

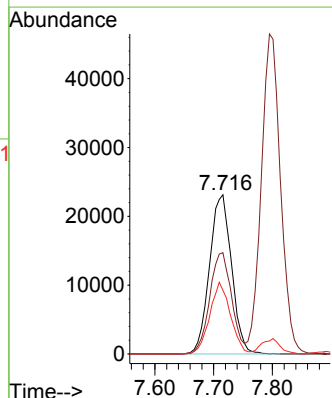
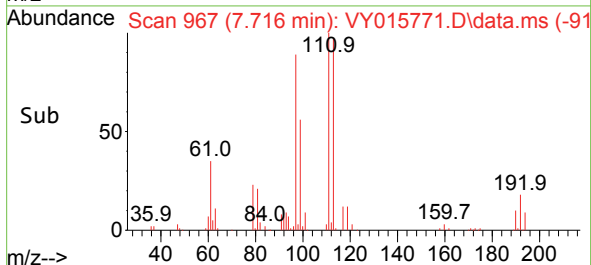
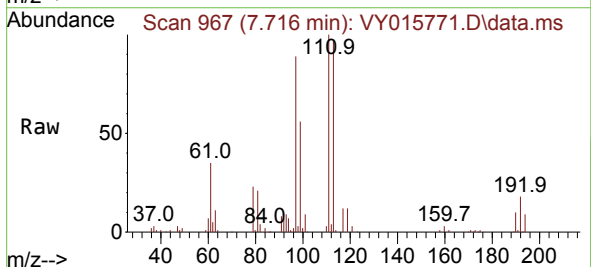


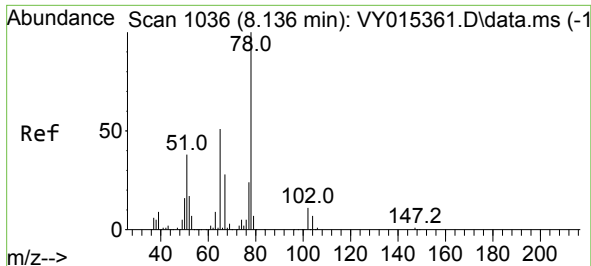
Tgt Ion: 56 Resp: 40756  
Ion Ratio Lower Upper  
56 100  
69 48.3 27.8 41.6#  
84 94.1 66.4 99.6



#32  
1,1,1-Trichloroethane  
Concen: 16.902 ug/l  
RT: 7.716 min Scan# 967  
Delta R.T. 0.025 min  
Lab File: VY015771.D  
Acq: 29 Sep 2023 22:09

Tgt Ion: 97 Resp: 60191  
Ion Ratio Lower Upper  
97 100  
99 63.4 50.8 76.2  
61 42.3 35.1 52.7





#33

1,2-Dichloroethane-d4

Concen: 43.663 ug/l

RT: 8.149 min Scan# 110

Delta R.T. 0.013 min

Lab File: VY015771.D

Acq: 29 Sep 2023 22:09

Instrument :

MSVOA\_Y

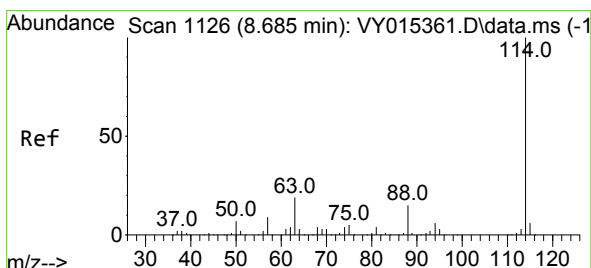
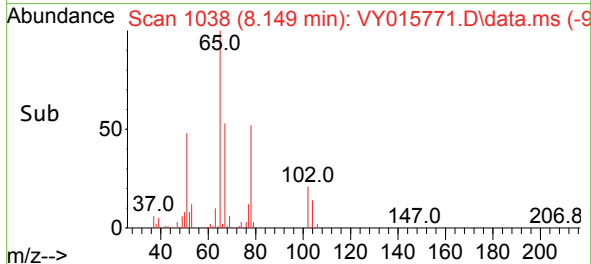
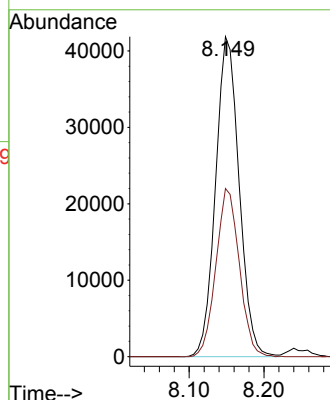
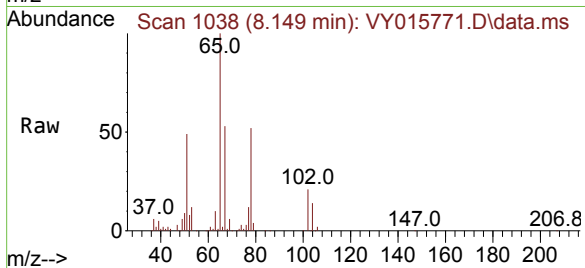
ClientSampleId :

Tgt Ion: 65 Resp: 91716

Ion Ratio Lower Upper

65 100

67 52.2 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.012 min

Lab File: VY015771.D

Acq: 29 Sep 2023 22:09

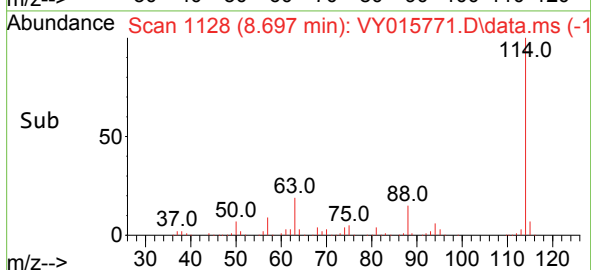
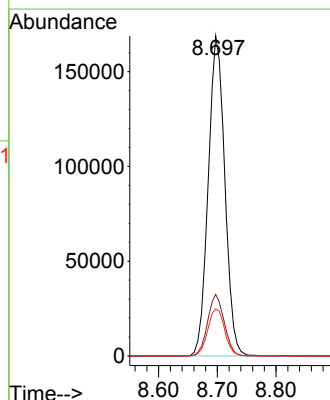
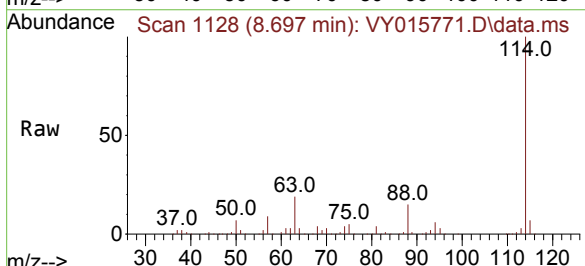
Tgt Ion: 114 Resp: 331320

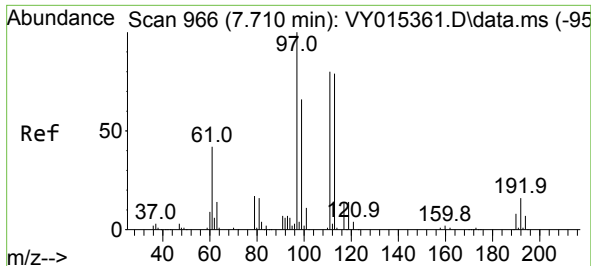
Ion Ratio Lower Upper

114 100

63 19.2 0.0 42.4

88 14.7 0.0 30.6

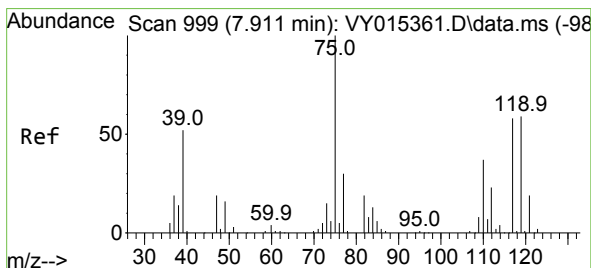
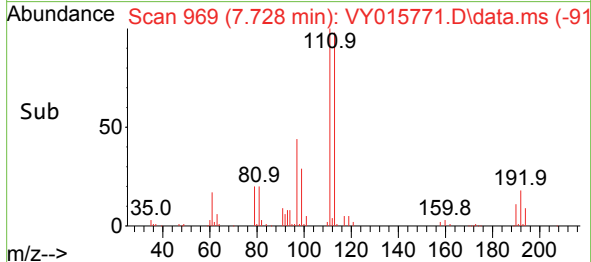
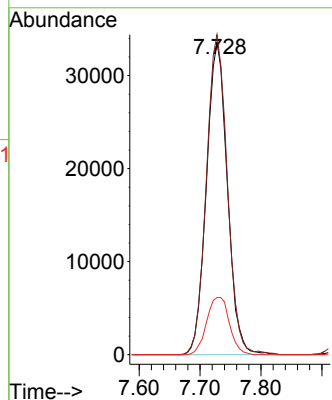
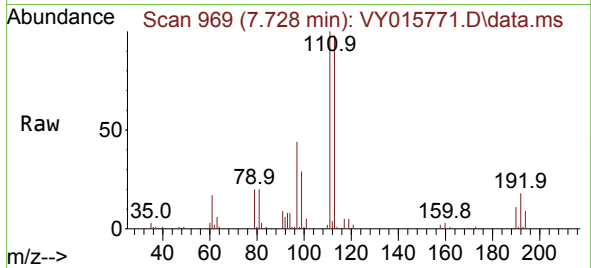




#35  
Dibromofluoromethane  
Concen: 40.375 ug/l  
RT: 7.728 min Scan# 91  
Delta R.T. 0.012 min  
Lab File: VY015771.D  
Acq: 29 Sep 2023 22:09

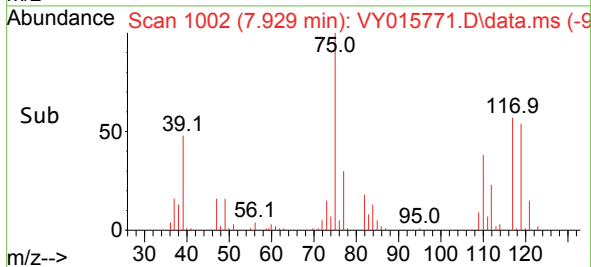
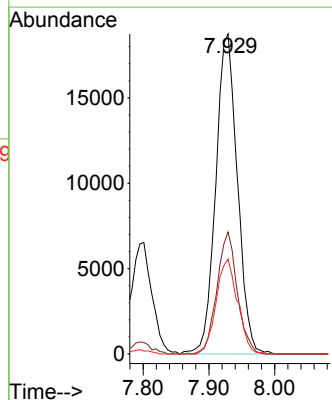
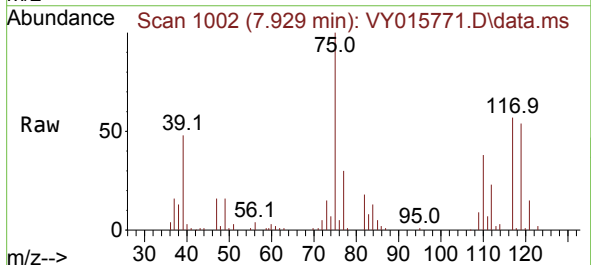
Instrument :  
MSVOA\_Y  
ClientSampleId :

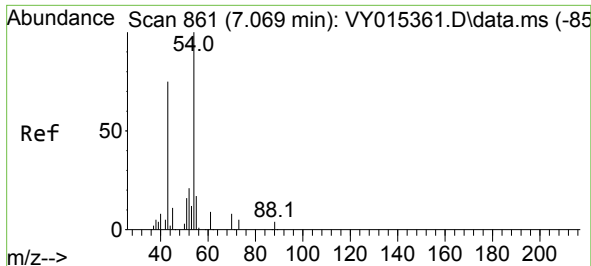
Tgt Ion:113 Resp: 80066  
Ion Ratio Lower Upper  
113 100  
111 102.7 81.3 121.9  
192 20.0 16.9 25.3



#36  
1,1-Dichloropropene  
Concen: 14.655 ug/l  
RT: 7.929 min Scan# 1002  
Delta R.T. 0.018 min  
Lab File: VY015771.D  
Acq: 29 Sep 2023 22:09

Tgt Ion: 75 Resp: 42969  
Ion Ratio Lower Upper  
75 100  
110 35.6 17.8 53.5  
77 29.6 24.4 36.6





#37

Ethyl Acetate

Concen: 18.673 ug/l

RT: 7.094 min Scan# 80

Delta R.T. 0.031 min

Lab File: VY015771.D

Acq: 29 Sep 2023 22:09

Instrument :

MSVOA\_Y

ClientSampleId :

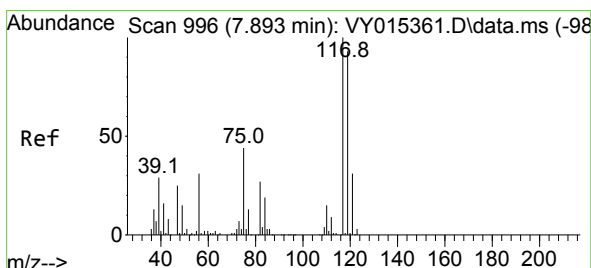
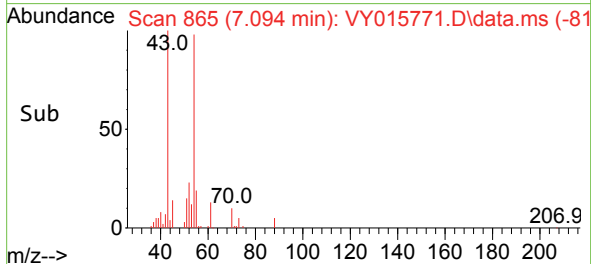
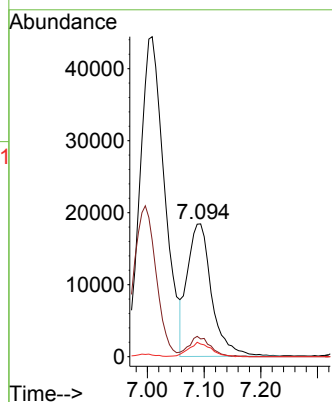
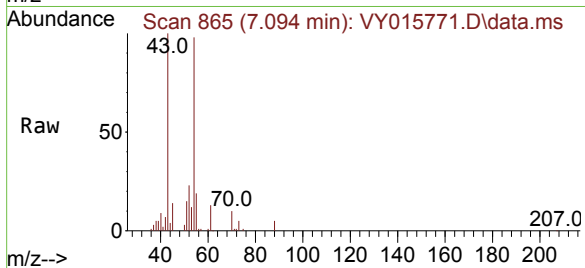
Tgt Ion: 43 Resp: 54612

Ion Ratio Lower Upper

43 100

61 13.9 10.1 15.1

70 10.0 7.1 10.7



#38

Carbon Tetrachloride

Concen: 16.015 ug/l

RT: 7.905 min Scan# 998

Delta R.T. 0.012 min

Lab File: VY015771.D

Acq: 29 Sep 2023 22:09

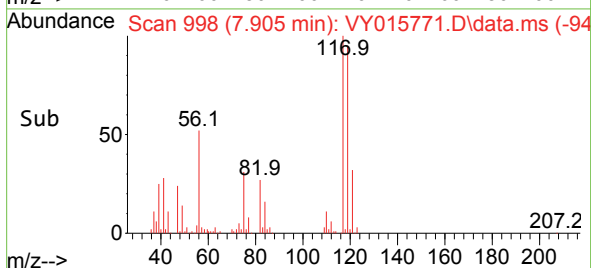
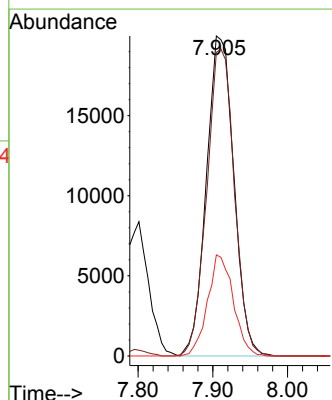
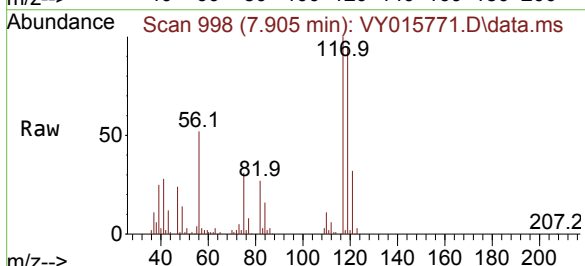
Tgt Ion: 117 Resp: 50971

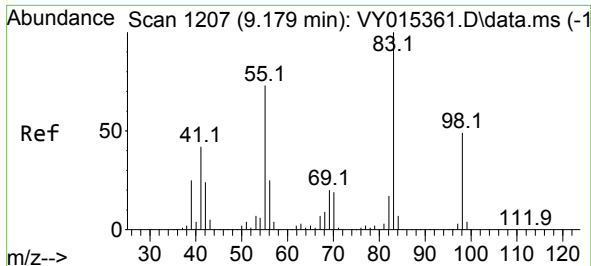
Ion Ratio Lower Upper

117 100

119 94.9 76.4 114.6

121 31.6 25.8 38.6

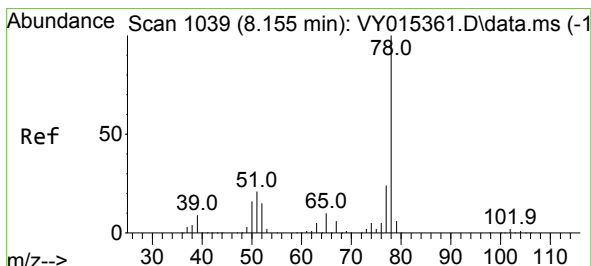
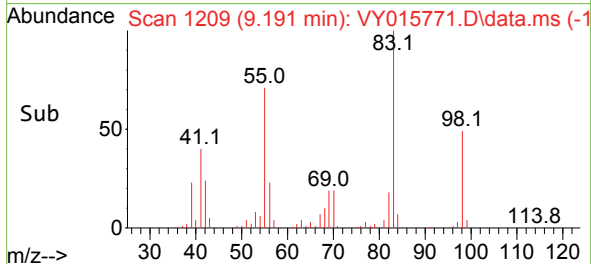
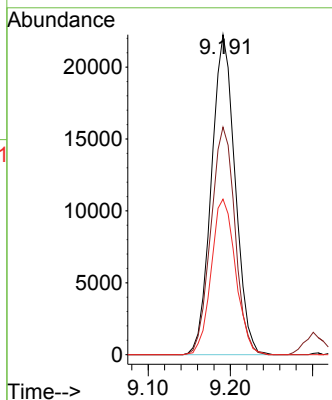
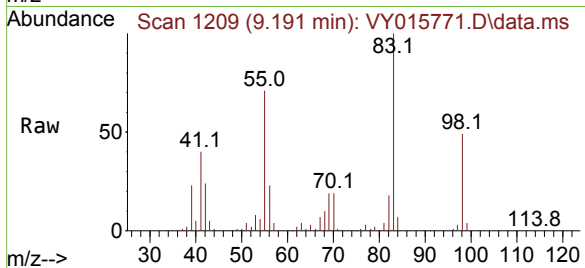




#39  
Methylcyclohexane  
Concen: 13.761 ug/l  
RT: 9.191 min Scan# 11  
Delta R.T. 0.012 min  
Lab File: VY015771.D  
Acq: 29 Sep 2023 22:09

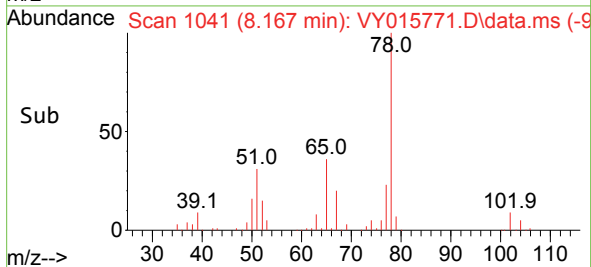
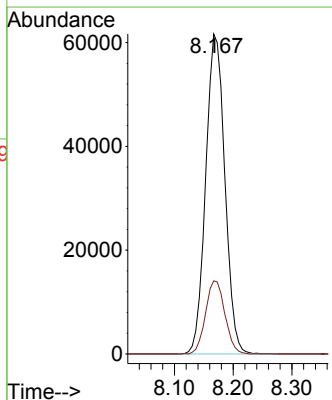
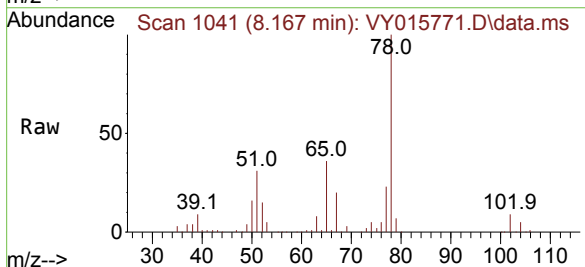
Instrument :  
MSVOA\_Y  
ClientSampleId :

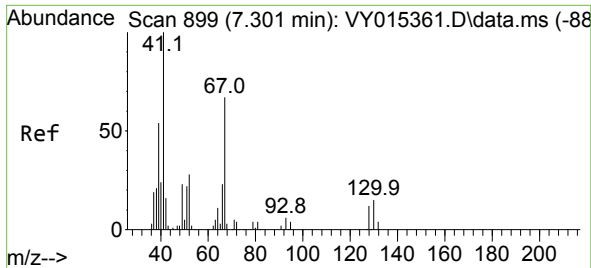
Tgt Ion: 83 Resp: 44628  
Ion Ratio Lower Upper  
83 100  
55 71.1 63.0 94.4  
98 48.6 37.4 56.2



#40  
Benzene  
Concen: 15.593 ug/l  
RT: 8.167 min Scan# 1041  
Delta R.T. 0.018 min  
Lab File: VY015771.D  
Acq: 29 Sep 2023 22:09

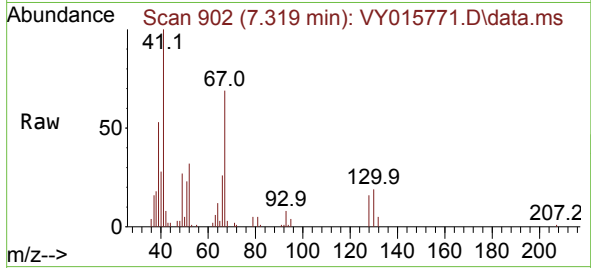
Tgt Ion: 78 Resp: 139427  
Ion Ratio Lower Upper  
78 100  
77 22.8 19.0 28.6



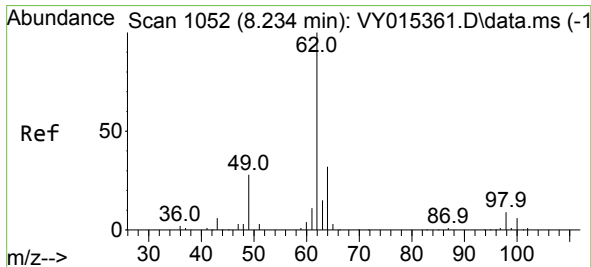
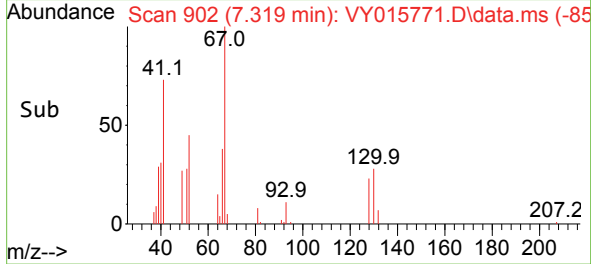
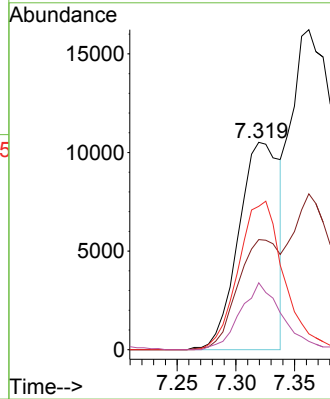


#41  
Methacrylonitrile  
Concen: 16.208 ug/l  
RT: 7.319 min Scan# 902  
Delta R.T. 0.006 min  
Lab File: VY015771.D  
Acq: 29 Sep 2023 22:09

Instrument :  
MSVOA\_Y  
ClientSampleId :

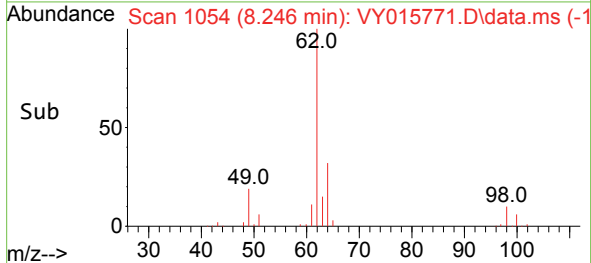
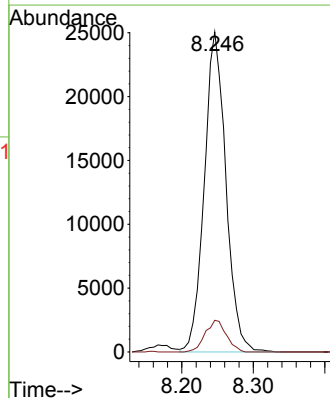
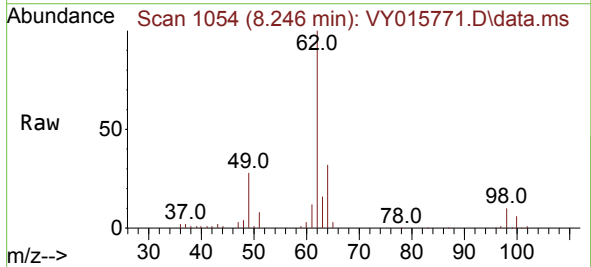


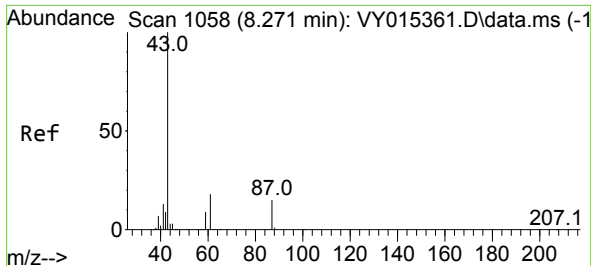
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 25524 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 54.0  | 52.1  | 78.1  |
| 67       | 79.7  | 66.2  | 99.2  |
| 52       | 33.1  | 29.9  | 44.9  |



#42  
1,2-Dichloroethane  
Concen: 17.166 ug/l  
RT: 8.246 min Scan# 1054  
Delta R.T. 0.012 min  
Lab File: VY015771.D  
Acq: 29 Sep 2023 22:09

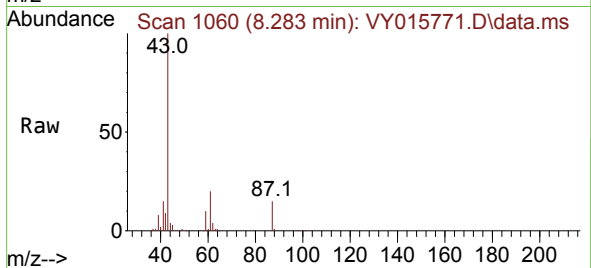
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 52568 |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 9.7   | 0.0   | 15.8  |



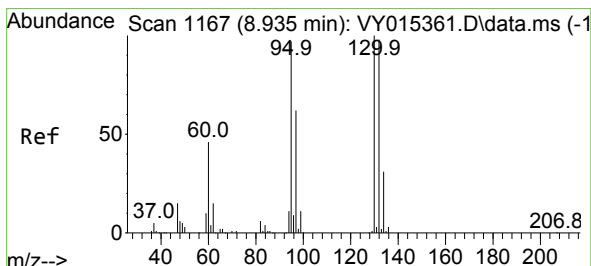
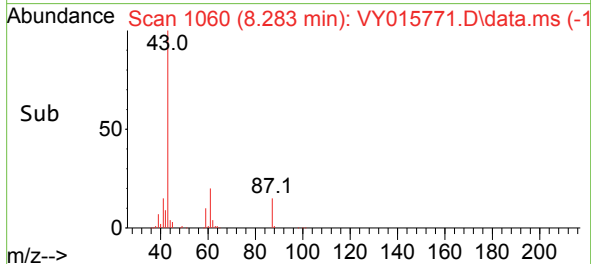
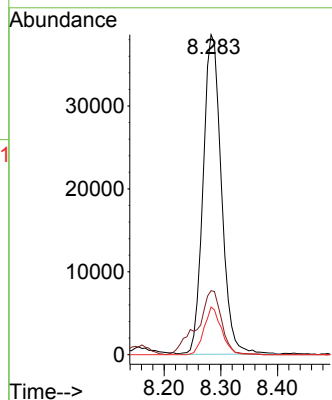


#43  
Isopropyl Acetate  
Concen: 17.295 ug/l  
RT: 8.283 min Scan# 1106  
Delta R.T. 0.019 min  
Lab File: VY015771.D  
Acq: 29 Sep 2023 22:09

Instrument :  
MSVOA\_Y  
ClientSampleId :

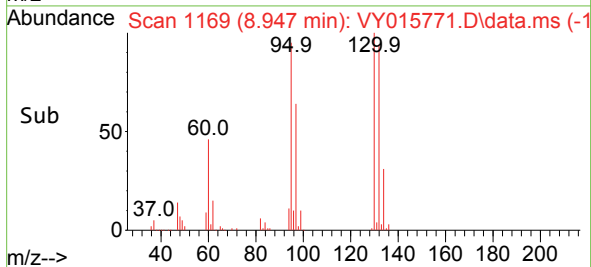
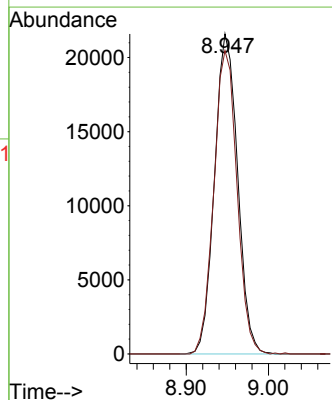
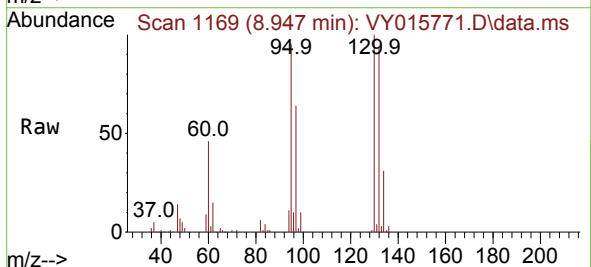


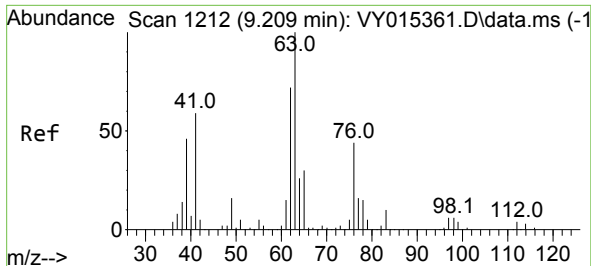
Tgt Ion: 43 Resp: 86403  
Ion Ratio Lower Upper  
43 100  
61 26.5 21.1 31.7  
87 14.2 9.8 14.8



#44  
Trichloroethene  
Concen: 16.869 ug/l  
RT: 8.947 min Scan# 1169  
Delta R.T. 0.012 min  
Lab File: VY015771.D  
Acq: 29 Sep 2023 22:09

Tgt Ion:130 Resp: 42130  
Ion Ratio Lower Upper  
130 100  
95 94.8 0.0 196.0

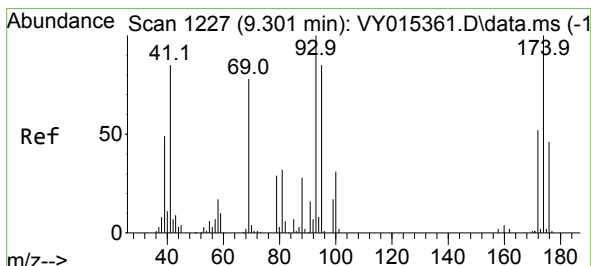
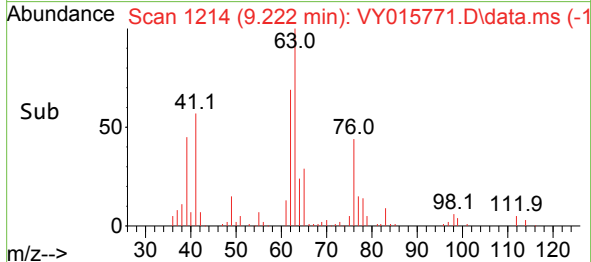
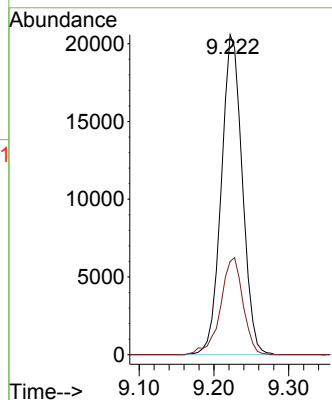
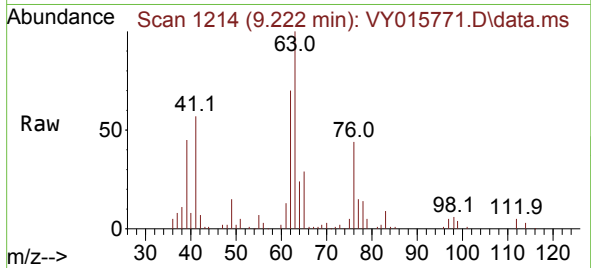




#45  
1,2-Dichloropropane  
Concen: 16.112 ug/l  
RT: 9.222 min Scan# 11  
Delta R.T. 0.007 min  
Lab File: VY015771.D  
Acq: 29 Sep 2023 22:09

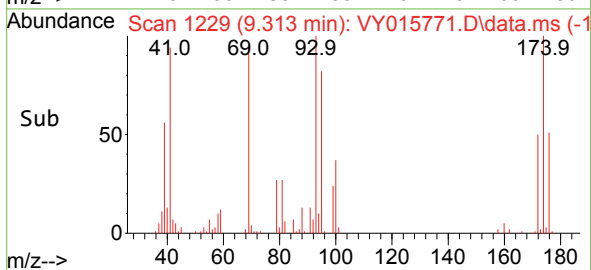
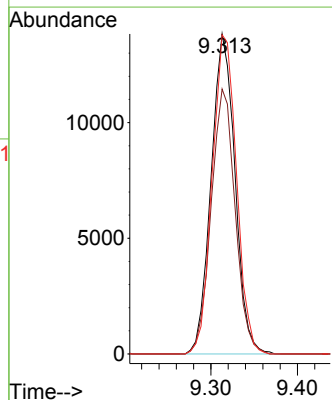
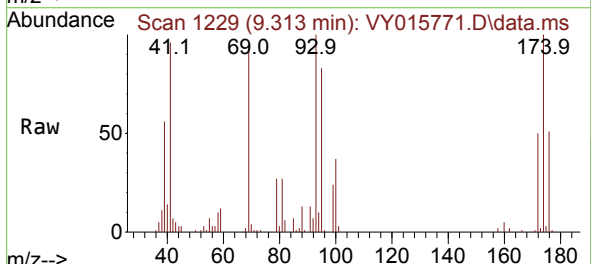
Instrument :  
MSVOA\_Y  
ClientSampleId :

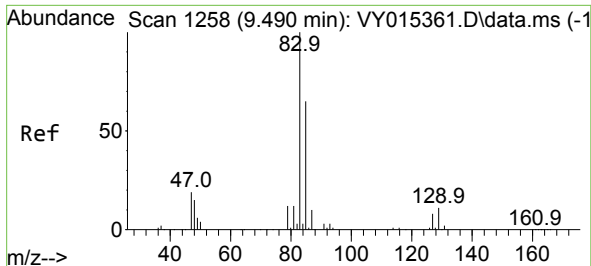
Tgt Ion: 63 Resp: 40176  
Ion Ratio Lower Upper  
63 100  
65 29.2 23.8 35.6



#46  
Dibromomethane  
Concen: 16.606 ug/l  
RT: 9.313 min Scan# 1229  
Delta R.T. 0.018 min  
Lab File: VY015771.D  
Acq: 29 Sep 2023 22:09

Tgt Ion: 93 Resp: 26487  
Ion Ratio Lower Upper  
93 100  
95 83.3 66.6 100.0  
174 101.3 84.8 127.2





#47

Bromodichloromethane

Concen: 16.948 ug/l

RT: 9.502 min Scan# 1260

Delta R.T. 0.012 min

Lab File: VY015771.D

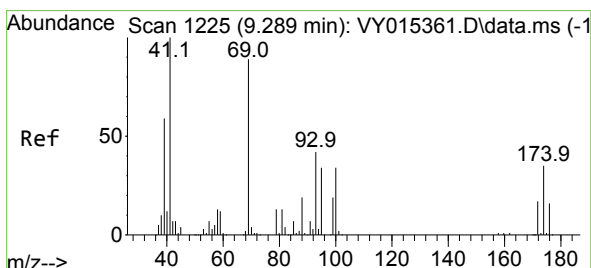
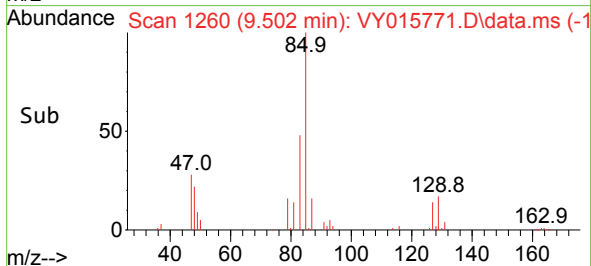
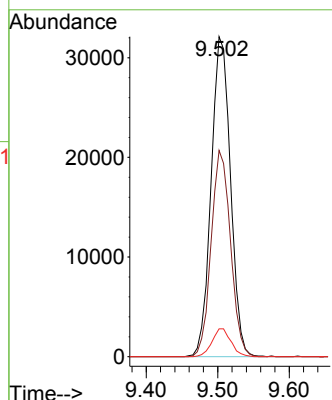
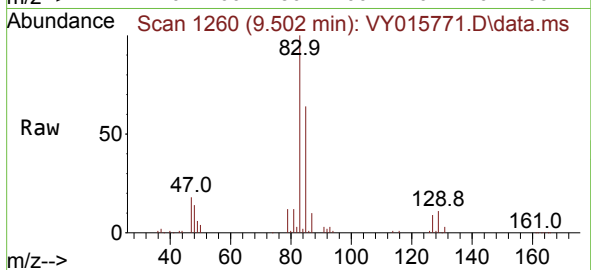
Acq: 29 Sep 2023 22:09

Instrument :

MSVOA\_Y

ClientSampleId :

|             |                |
|-------------|----------------|
| Tgt Ion: 83 | Resp: 60254    |
| Ion Ratio   | Lower Upper    |
| 83          | 100            |
| 85          | 64.5 50.1 75.1 |
| 127         | 8.7 7.1 10.7   |



#48

Methyl methacrylate

Concen: 17.442 ug/l

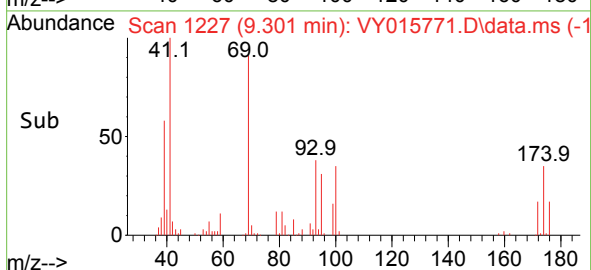
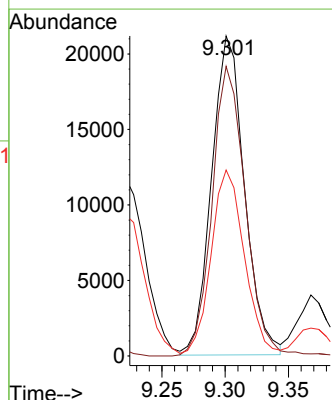
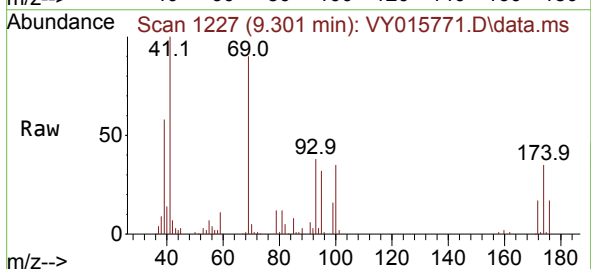
RT: 9.301 min Scan# 1227

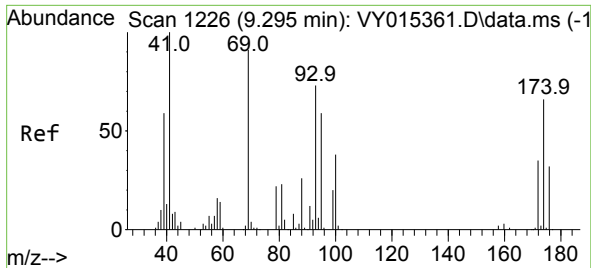
Delta R.T. 0.012 min

Lab File: VY015771.D

Acq: 29 Sep 2023 22:09

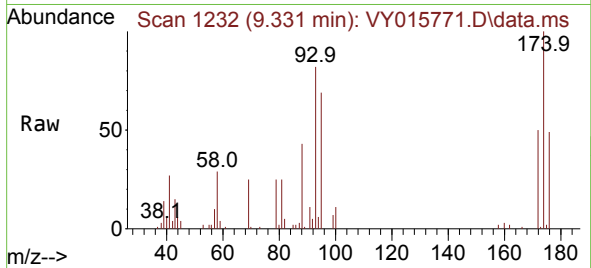
|             |                |
|-------------|----------------|
| Tgt Ion: 41 | Resp: 38248    |
| Ion Ratio   | Lower Upper    |
| 41          | 100            |
| 69          | 92.1 64.5 96.7 |
| 39          | 58.6 50.8 76.2 |



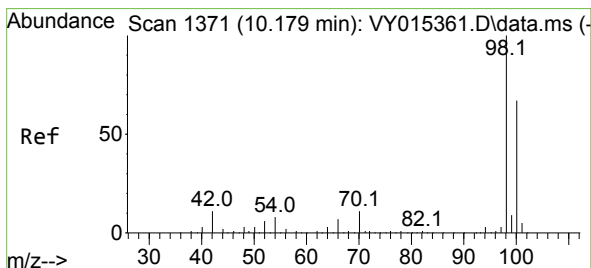
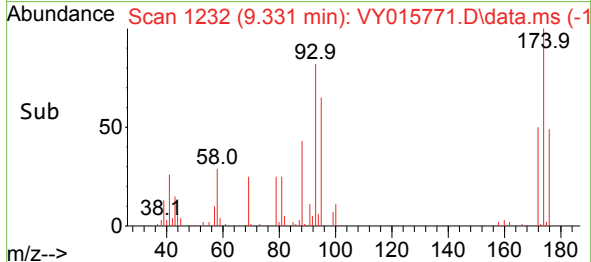
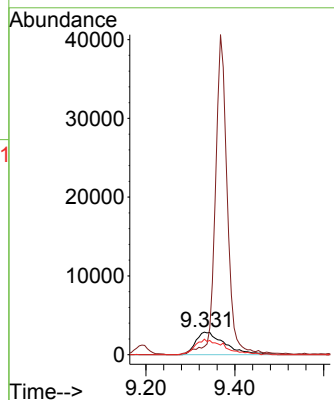


#49  
 1,4-Dioxane  
 Concen: 411.499 ug/l  
 RT: 9.331 min Scan# 11  
 Delta R.T. 0.042 min  
 Lab File: VY015771.D  
 Acq: 29 Sep 2023 22:09

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

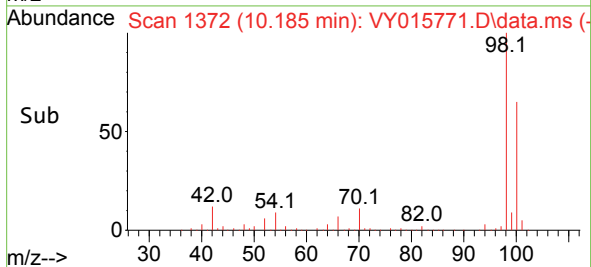
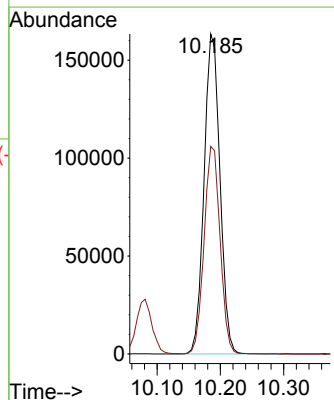
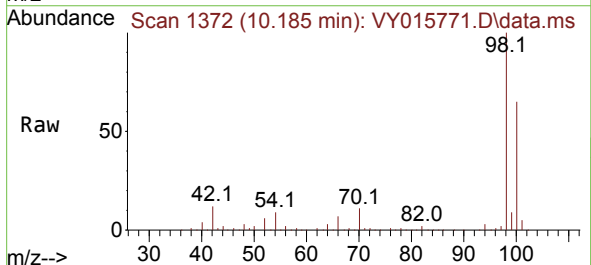


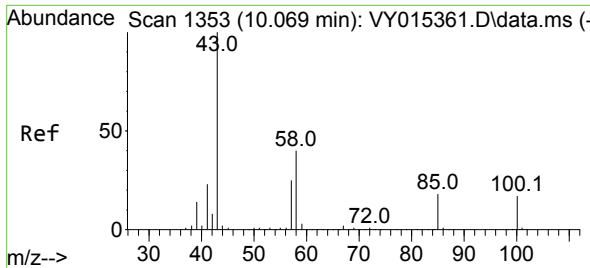
Tgt Ion: 88 Resp: 12967  
 Ion Ratio Lower Upper  
 88 100  
 43 0.0 0.0 0.0  
 58 67.7 30.9 46.3#



#50  
 Toluene-d8  
 Concen: 42.542 ug/l  
 RT: 10.185 min Scan# 1372  
 Delta R.T. 0.006 min  
 Lab File: VY015771.D  
 Acq: 29 Sep 2023 22:09

Tgt Ion: 98 Resp: 286044  
 Ion Ratio Lower Upper  
 98 100  
 100 65.4 50.1 75.1

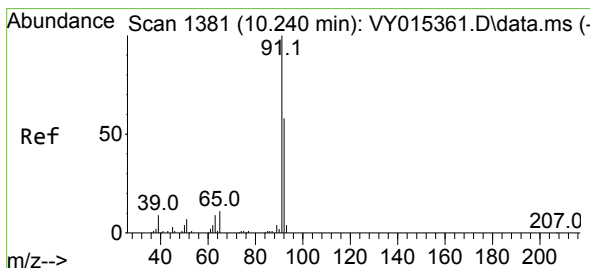
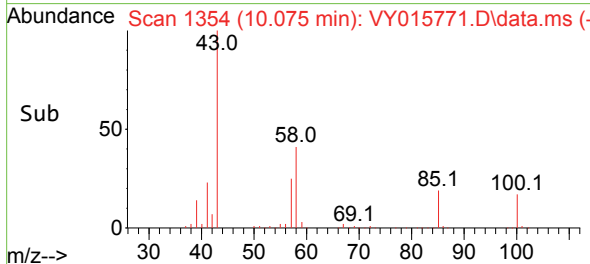
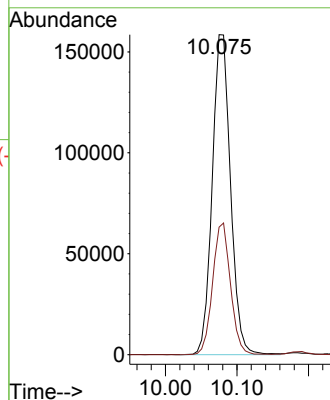
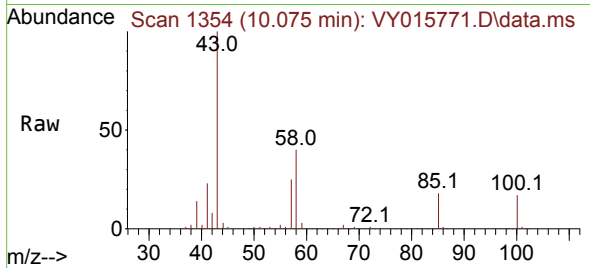




#51  
4-Methyl-2-Pentanone  
Concen: 91.014 ug/l  
RT: 10.075 min Scan# 1354  
Delta R.T. 0.006 min  
Lab File: VY015771.D  
Acq: 29 Sep 2023 22:09

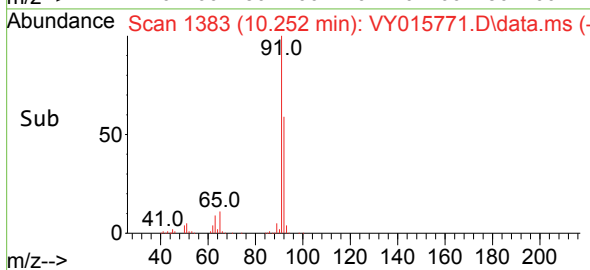
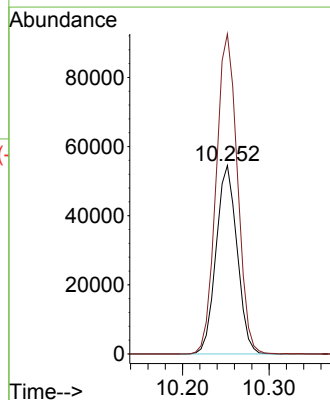
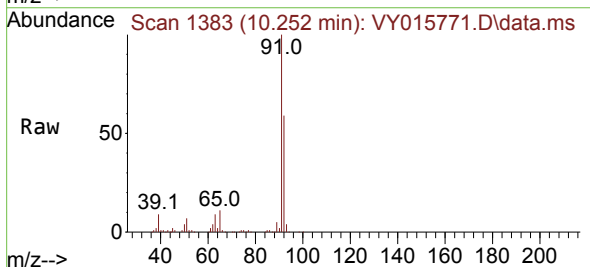
Instrument :  
MSVOA\_Y  
ClientSampleId :

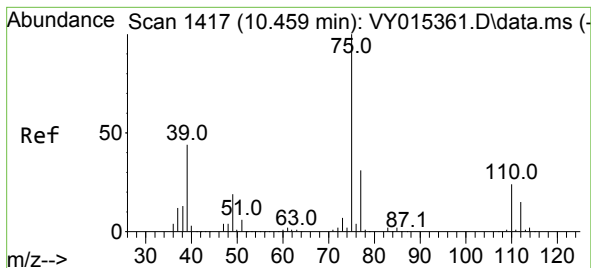
Tgt Ion: 43 Resp: 281827  
Ion Ratio Lower Upper  
43 100  
58 40.2 29.0 43.6



#52  
Toluene  
Concen: 15.922 ug/l  
RT: 10.252 min Scan# 1383  
Delta R.T. 0.012 min  
Lab File: VY015771.D  
Acq: 29 Sep 2023 22:09

Tgt Ion: 92 Resp: 91784  
Ion Ratio Lower Upper  
92 100  
91 172.2 143.8 215.6

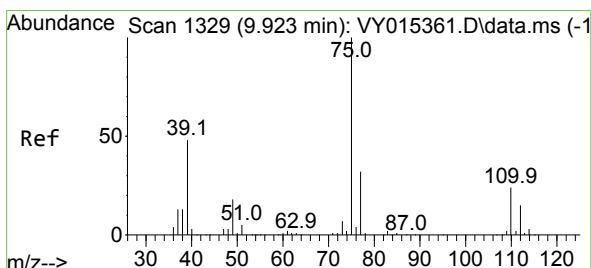
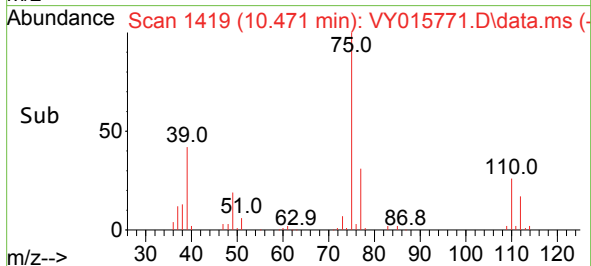
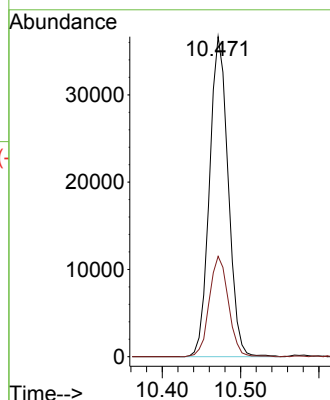
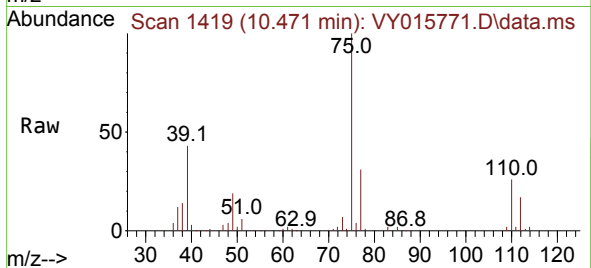




#53  
 t-1,3-Dichloropropene  
 Concen: 15.933 ug/l  
 RT: 10.471 min Scan# 1417  
 Delta R.T. 0.012 min  
 Lab File: VY015771.D  
 Acq: 29 Sep 2023 22:09

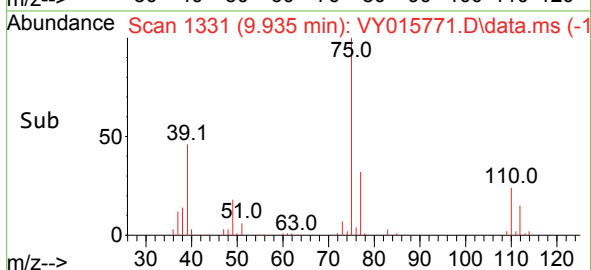
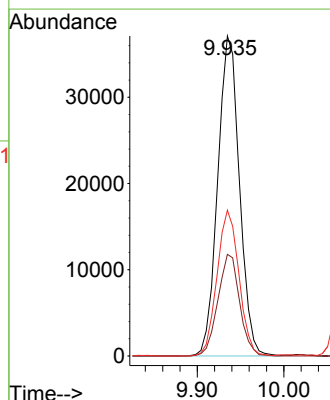
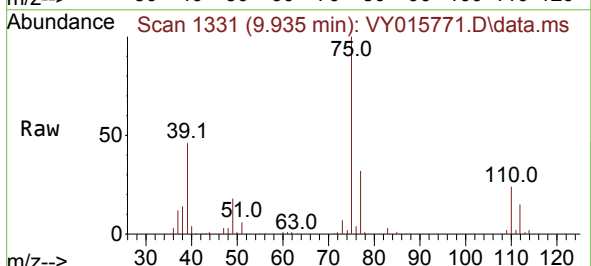
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

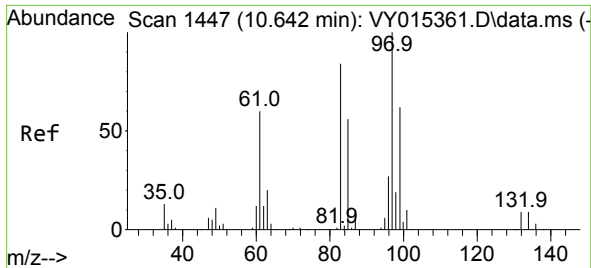
Tgt Ion: 75 Resp: 60745  
 Ion Ratio Lower Upper  
 75 100  
 77 31.3 25.0 37.4



#54  
 cis-1,3-Dichloropropene  
 Concen: 15.754 ug/l  
 RT: 9.935 min Scan# 1331  
 Delta R.T. 0.012 min  
 Lab File: VY015771.D  
 Acq: 29 Sep 2023 22:09

Tgt Ion: 75 Resp: 64655  
 Ion Ratio Lower Upper  
 75 100  
 77 31.7 24.2 36.4  
 39 45.5 42.2 63.4

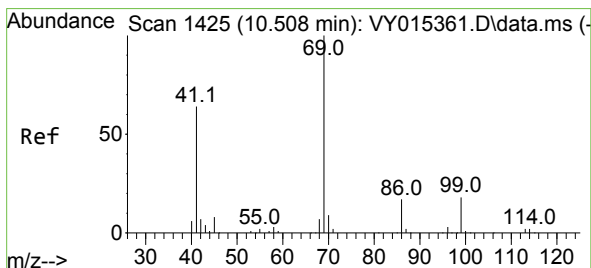
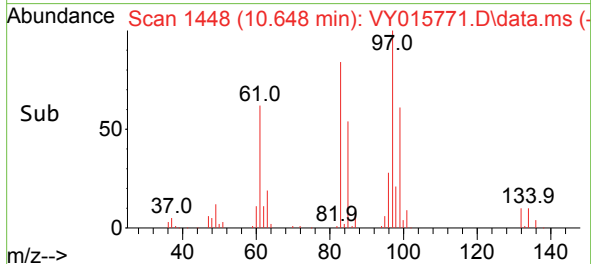
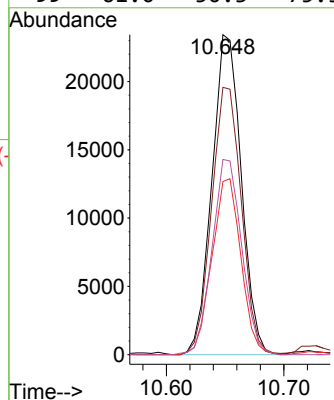
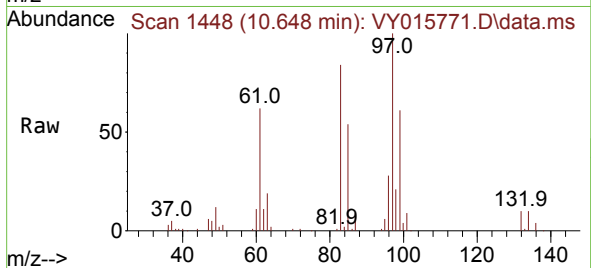




#55  
1,1,2-Trichloroethane  
Concen: 17.425 ug/l  
RT: 10.648 min Scan# 1447  
Delta R.T. 0.006 min  
Lab File: VY015771.D  
Acq: 29 Sep 2023 22:09

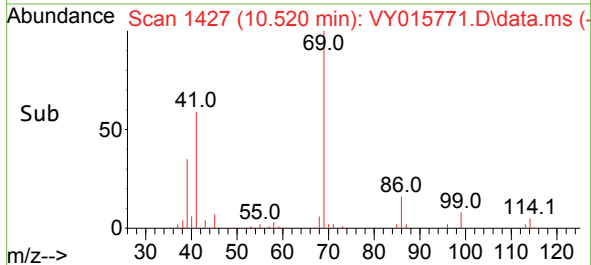
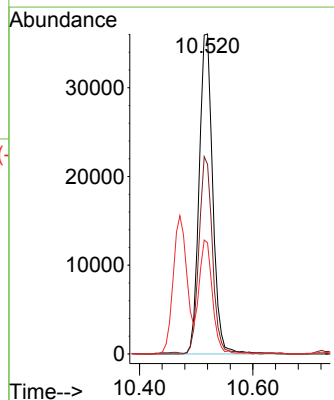
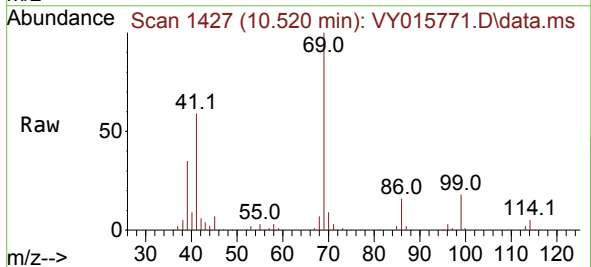
Instrument :  
MSVOA\_Y  
ClientSampleId :

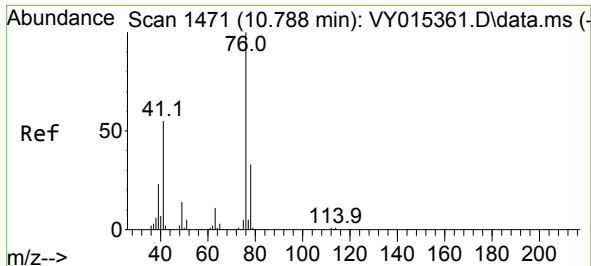
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 40731 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 83.5  | 72.0  | 108.0 |
| 85       | 54.1  | 45.4  | 68.0  |
| 99       | 61.0  | 50.3  | 75.5  |



#56  
Ethyl methacrylate  
Concen: 17.430 ug/l  
RT: 10.520 min Scan# 1427  
Delta R.T. 0.012 min  
Lab File: VY015771.D  
Acq: 29 Sep 2023 22:09

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 60042 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 60.4  | 57.6  | 86.4  |
| 39       | 33.8  | 34.1  | 51.1# |

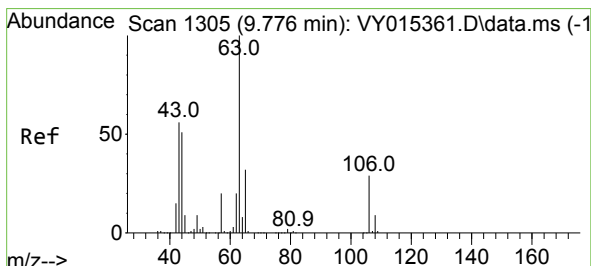
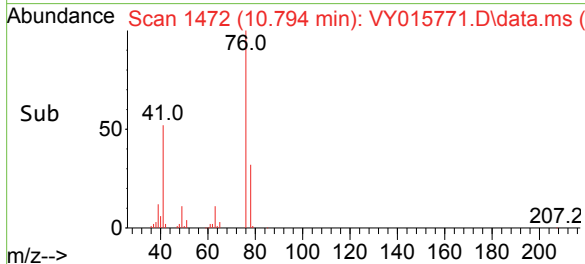
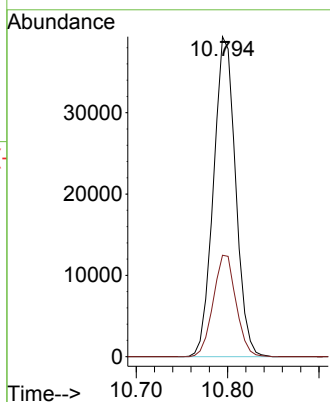
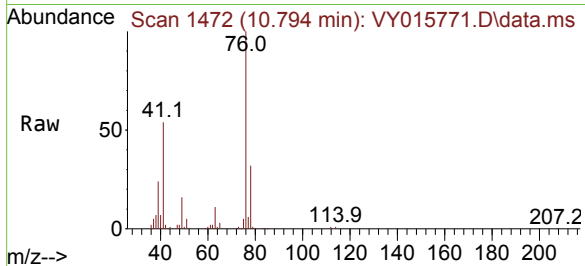




#57  
1,3-Dichloropropane  
Concen: 16.861 ug/l  
RT: 10.794 min Scan# 1471  
Delta R.T. 0.006 min  
Lab File: VY015771.D  
Acq: 29 Sep 2023 22:09

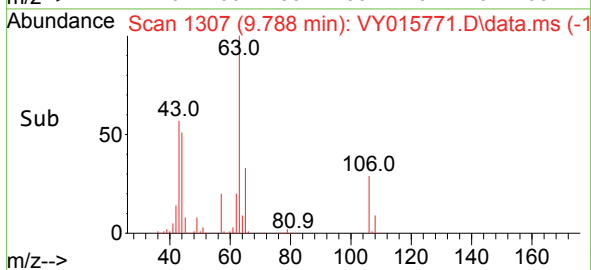
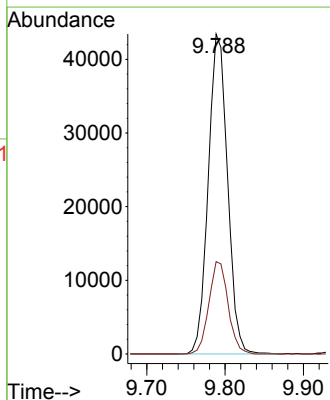
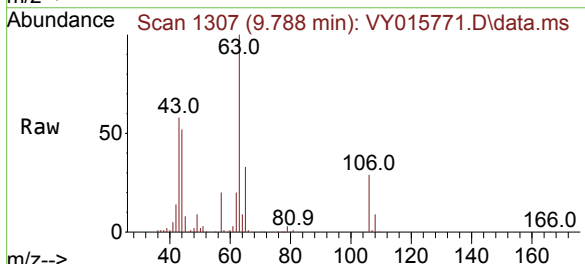
Instrument :  
MSVOA\_Y  
ClientSampleId :

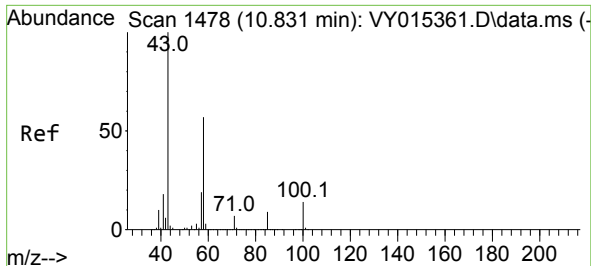
Tgt Ion: 76 Resp: 66093  
Ion Ratio Lower Upper  
76 100  
78 32.7 25.3 37.9



#58  
2-Chloroethyl Vinyl ether  
Concen: 67.781 ug/l  
RT: 9.788 min Scan# 1307  
Delta R.T. 0.012 min  
Lab File: VY015771.D  
Acq: 29 Sep 2023 22:09

Tgt Ion: 63 Resp: 74167  
Ion Ratio Lower Upper  
63 100  
106 28.8 21.2 31.8

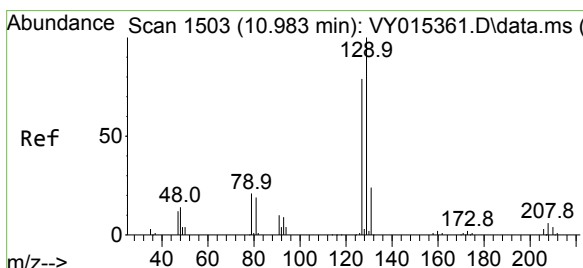
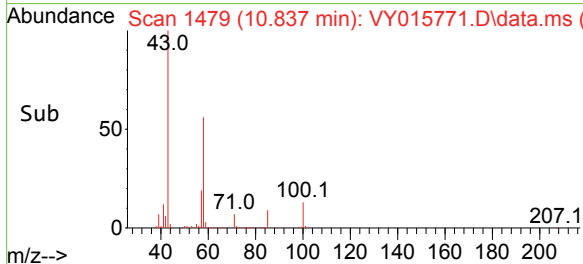
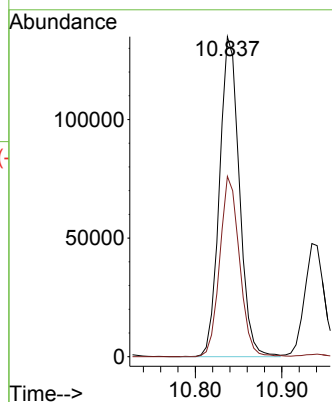
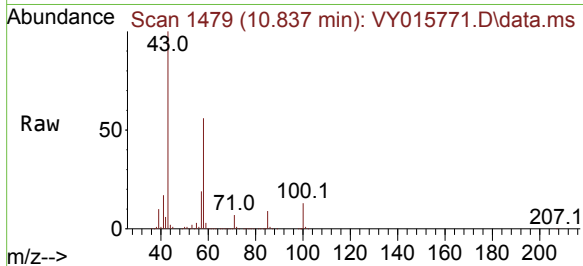




#59  
2-Hexanone  
Concen: 90.445 ug/l  
RT: 10.837 min Scan# 1478  
Delta R.T. 0.006 min  
Lab File: VY015771.D  
Acq: 29 Sep 2023 22:09

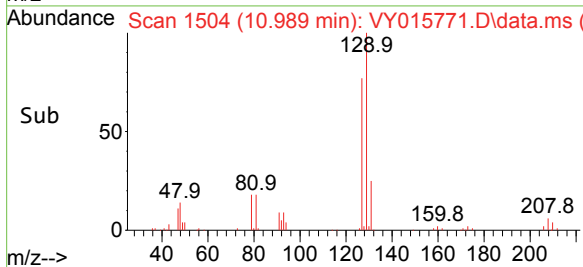
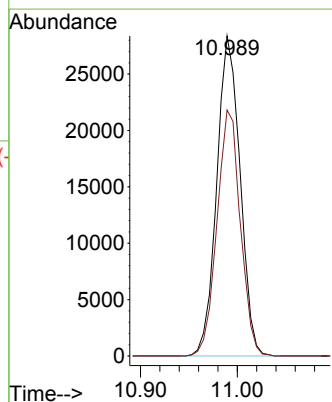
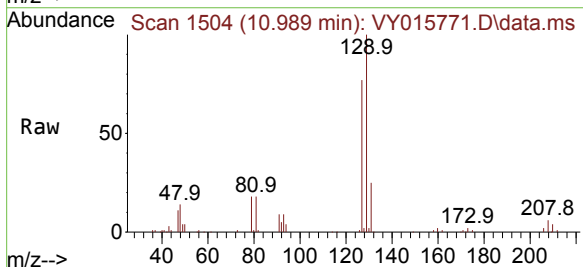
Instrument :  
MSVOA\_Y  
ClientSampleId :

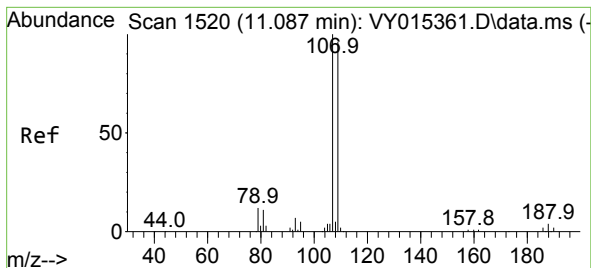
Tgt Ion: 43 Resp: 214869  
Ion Ratio Lower Upper  
43 100  
58 56.0 25.1 75.3



#60  
Dibromochloromethane  
Concen: 17.371 ug/l  
RT: 10.989 min Scan# 1504  
Delta R.T. 0.006 min  
Lab File: VY015771.D  
Acq: 29 Sep 2023 22:09

Tgt Ion: 129 Resp: 47399  
Ion Ratio Lower Upper  
129 100  
127 77.0 38.5 115.5

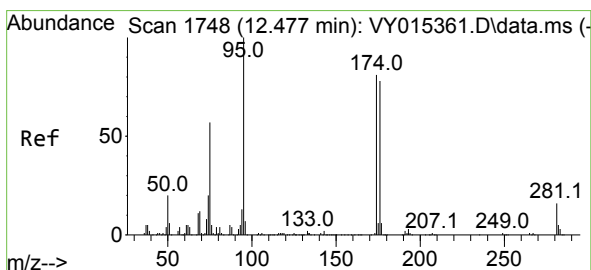
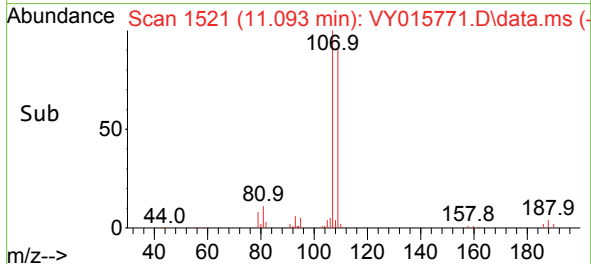
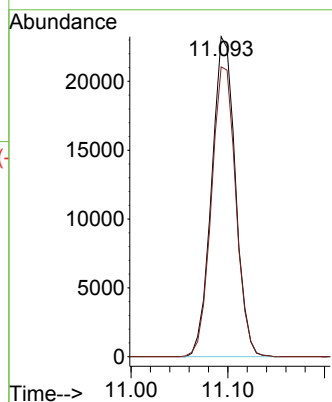
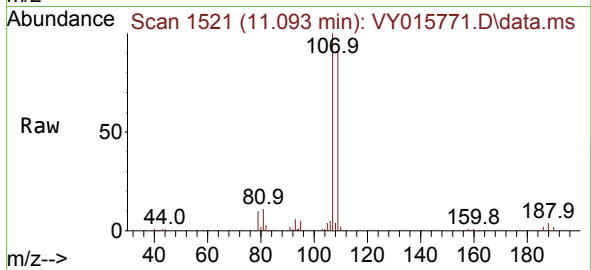




#61  
1,2-Dibromoethane  
Concen: 17.291 ug/l  
RT: 11.093 min Scan# 1521  
Delta R.T. 0.006 min  
Lab File: VY015771.D  
Acq: 29 Sep 2023 22:09

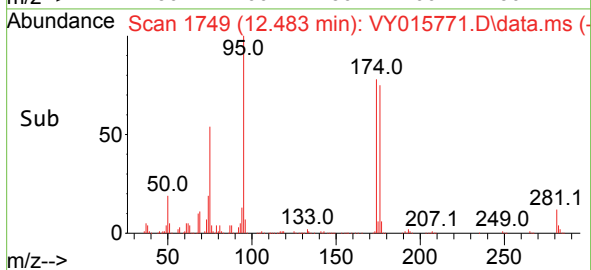
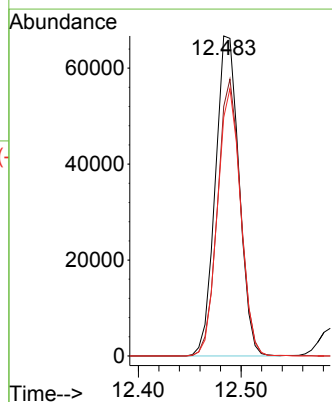
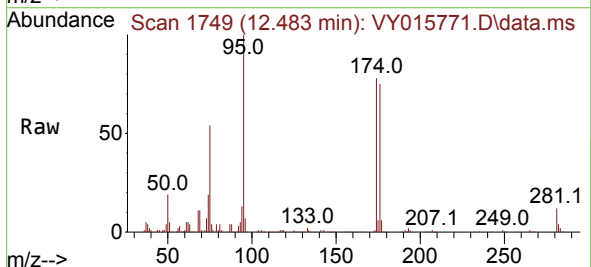
Instrument :  
MSVOA\_Y  
ClientSampleId :

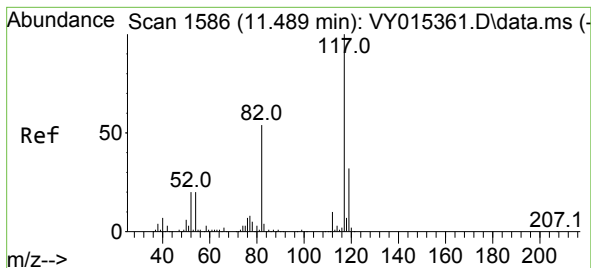
Tgt Ion:107 Resp: 39541  
Ion Ratio Lower Upper  
107 100  
109 93.0 75.6 113.4



#62  
4-Bromofluorobenzene  
Concen: 40.450 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.006 min  
Lab File: VY015771.D  
Acq: 29 Sep 2023 22:09

Tgt Ion: 95 Resp: 106733  
Ion Ratio Lower Upper  
95 100  
174 83.8 0.0 178.2  
176 81.6 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.495 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY015771.D

Acq: 29 Sep 2023 22:09

Instrument :

MSVOA\_Y

ClientSampleId :

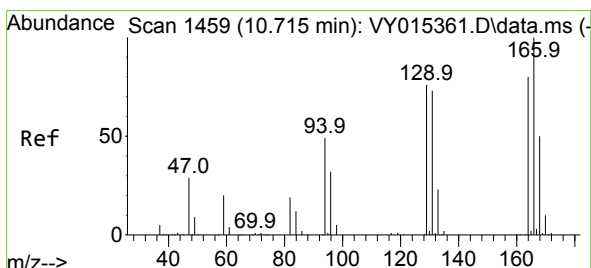
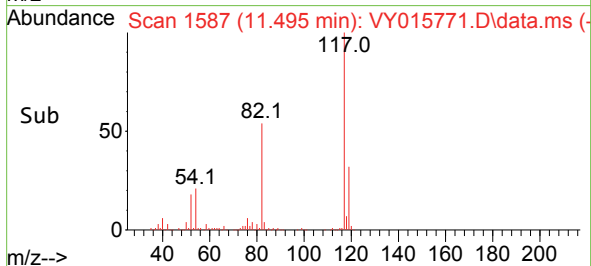
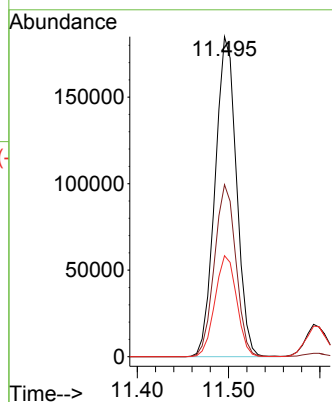
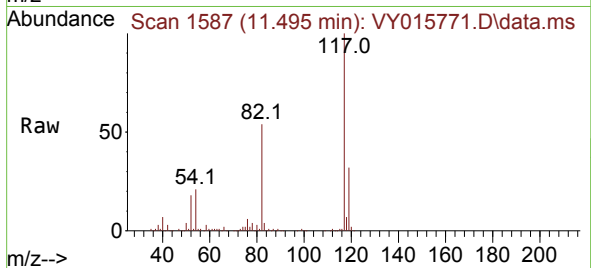
Tgt Ion:117 Resp: 300772

Ion Ratio Lower Upper

117 100

82 53.7 43.4 65.0

119 31.5 26.3 39.5



#64

Tetrachloroethene

Concen: 18.867 ug/l

RT: 10.727 min Scan# 1461

Delta R.T. 0.012 min

Lab File: VY015771.D

Acq: 29 Sep 2023 22:09

Tgt Ion:164 Resp: 48686

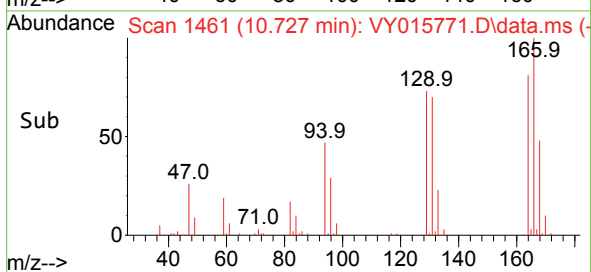
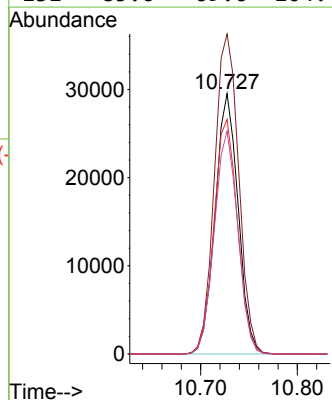
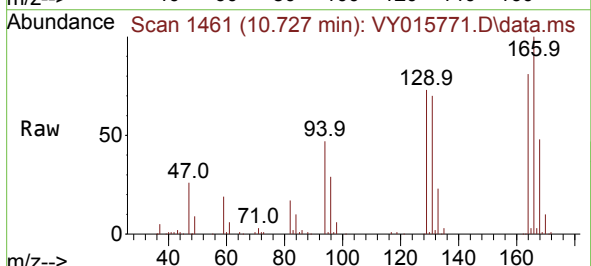
Ion Ratio Lower Upper

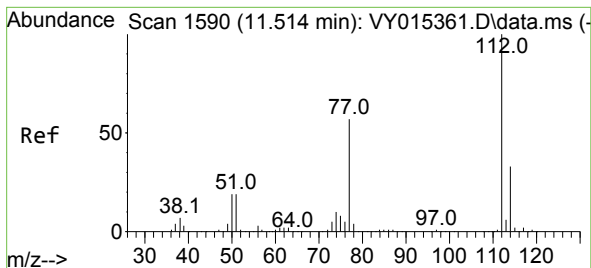
164 100

166 122.9 103.0 154.6

129 90.1 77.2 115.8

131 85.6 69.6 104.4





#65

Chlorobenzene

Concen: 16.573 ug/l

RT: 11.520 min Scan# 111

Delta R.T. 0.006 min

Lab File: VY015771.D

Acq: 29 Sep 2023 22:09

Instrument :

MSVOA\_Y

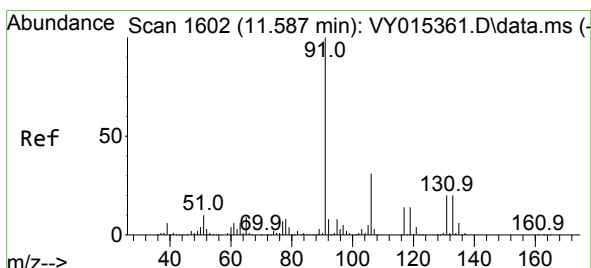
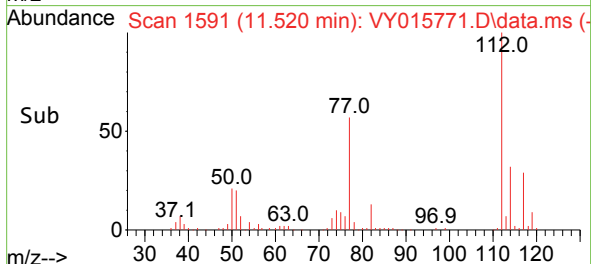
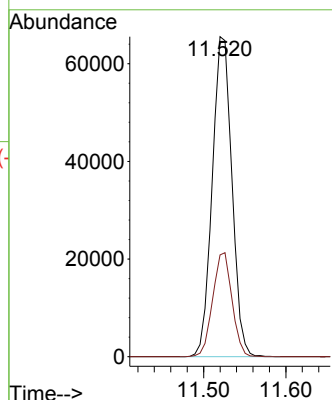
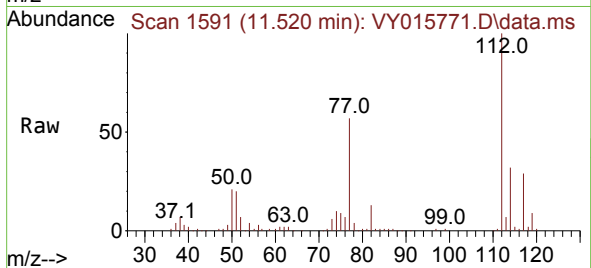
ClientSampleId :

Tgt Ion:112 Resp: 108805

Ion Ratio Lower Upper

112 100

114 31.8 25.5 38.3



#66

1,1,1,2-Tetrachloroethane

Concen: 17.238 ug/l

RT: 11.599 min Scan# 1604

Delta R.T. 0.012 min

Lab File: VY015771.D

Acq: 29 Sep 2023 22:09

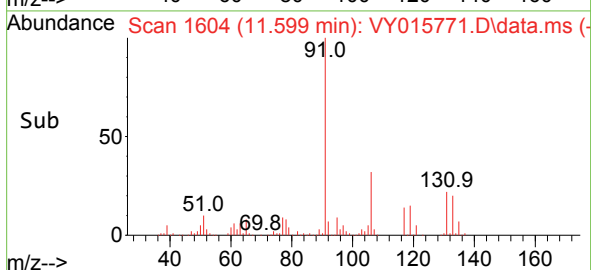
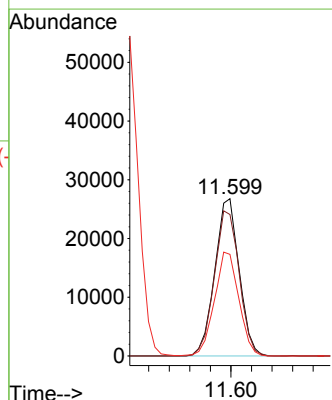
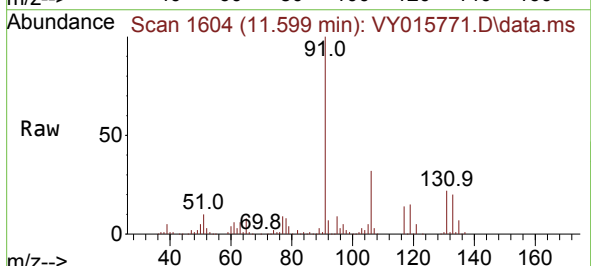
Tgt Ion:131 Resp: 43961

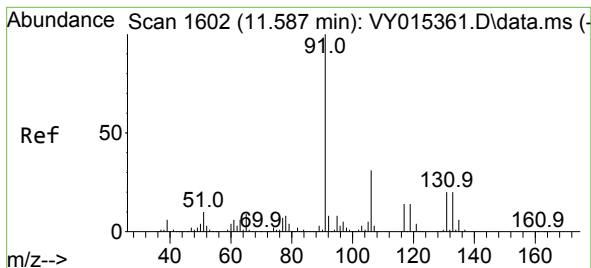
Ion Ratio Lower Upper

131 100

133 94.1 47.5 142.6

119 66.1 31.6 94.7





#67

Ethyl Benzene

Concen: 16.052 ug/l

RT: 11.599 min Scan# 1604

Delta R.T. 0.012 min

Lab File: VY015771.D

Acq: 29 Sep 2023 22:09

Instrument :

MSVOA\_Y

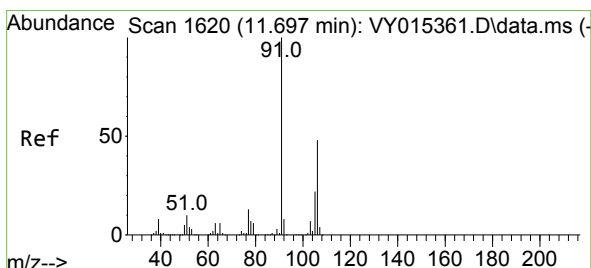
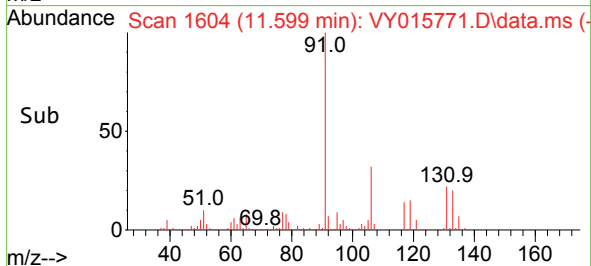
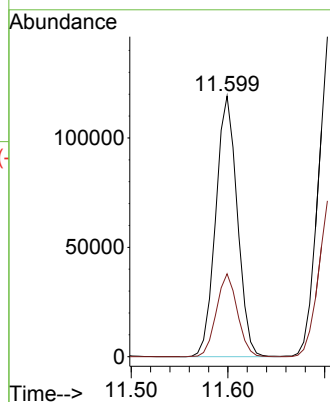
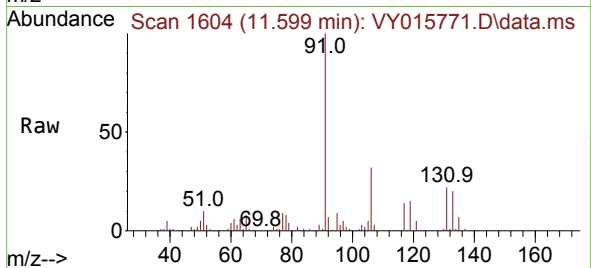
ClientSampleId :

Tgt Ion: 91 Resp: 184198

Ion Ratio Lower Upper

91 100

106 31.8 24.6 36.8



#68

m/p-Xylenes

Concen: 32.272 ug/l

RT: 11.709 min Scan# 1622

Delta R.T. 0.006 min

Lab File: VY015771.D

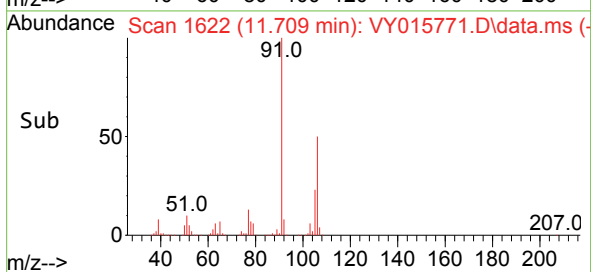
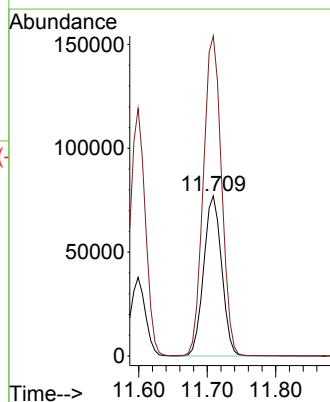
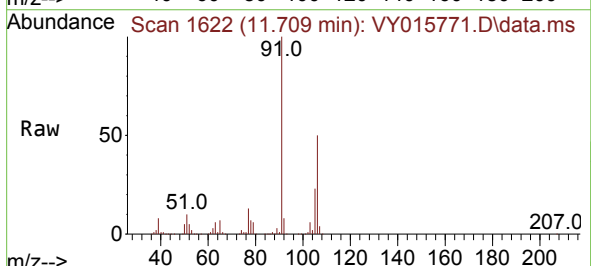
Acq: 29 Sep 2023 22:09

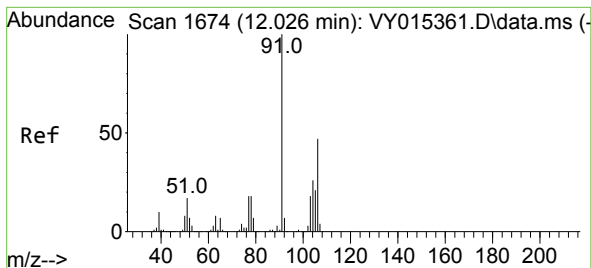
Tgt Ion:106 Resp: 140758

Ion Ratio Lower Upper

106 100

91 201.8 166.1 249.1





#69

o-Xylene

Concen: 16.507 ug/l

RT: 12.032 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY015771.D

Acq: 29 Sep 2023 22:09

Instrument :

MSVOA\_Y

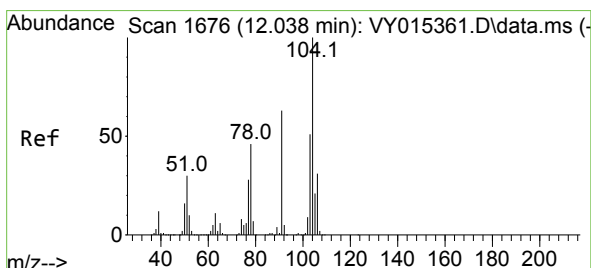
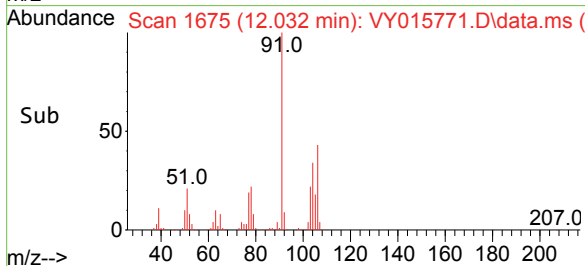
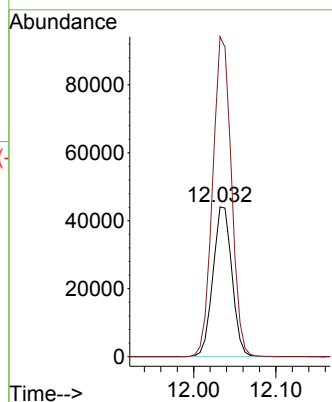
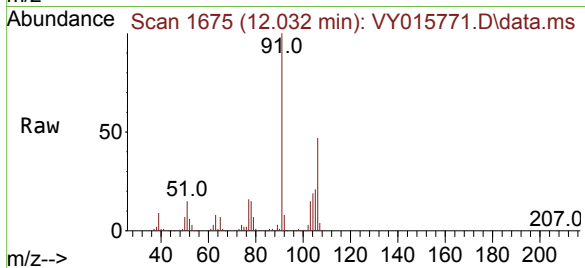
ClientSampleId :

Tgt Ion:106 Resp: 70600

Ion Ratio Lower Upper

106 100

91 211.1 108.1 324.3



#70

Styrene

Concen: 16.809 ug/l

RT: 12.050 min Scan# 1678

Delta R.T. 0.006 min

Lab File: VY015771.D

Acq: 29 Sep 2023 22:09

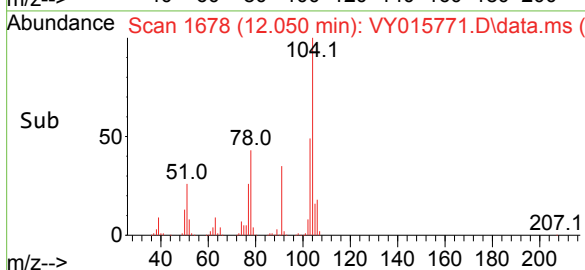
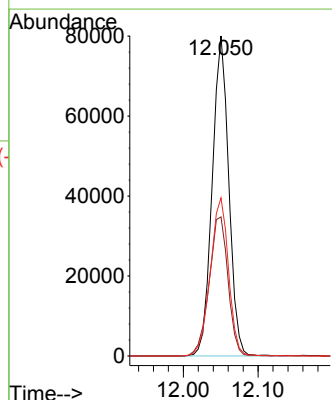
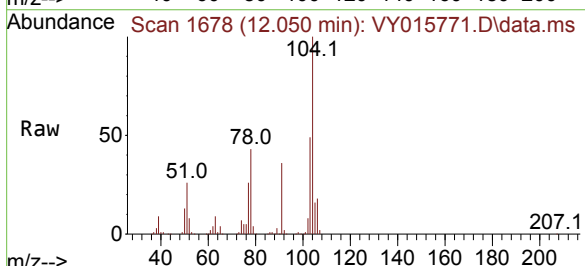
Tgt Ion:104 Resp: 123056

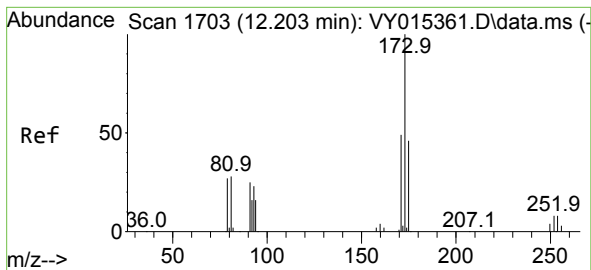
Ion Ratio Lower Upper

104 100

78 49.6 41.5 62.3

103 54.3 44.6 67.0





#71

Bromoform

Concen: 18.182 ug/l

RT: 12.215 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY015771.D

Acq: 29 Sep 2023 22:09

Instrument :

MSVOA\_Y

ClientSampleId :

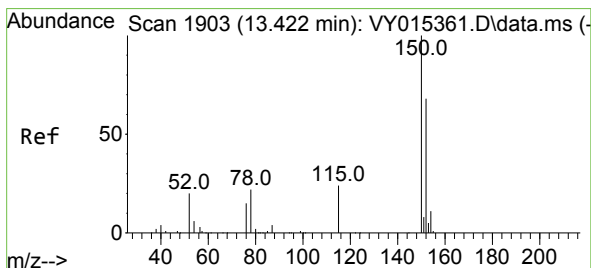
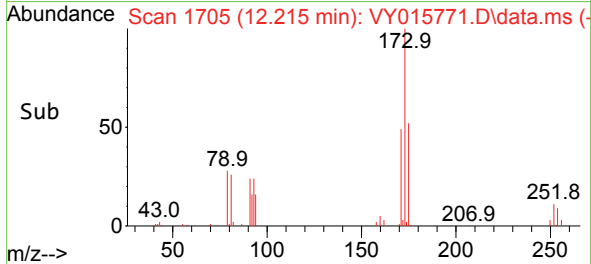
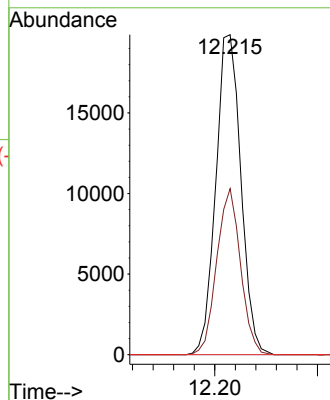
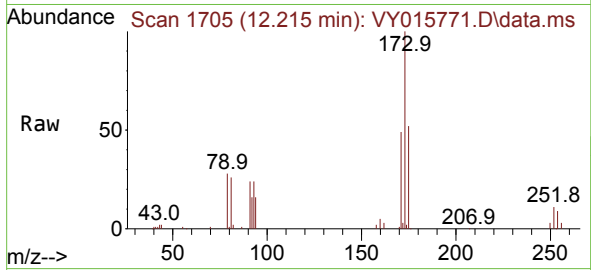
Tgt Ion:173 Resp: 33601

Ion Ratio Lower Upper

173 100

175 49.2 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: VY015771.D

Acq: 29 Sep 2023 22:09

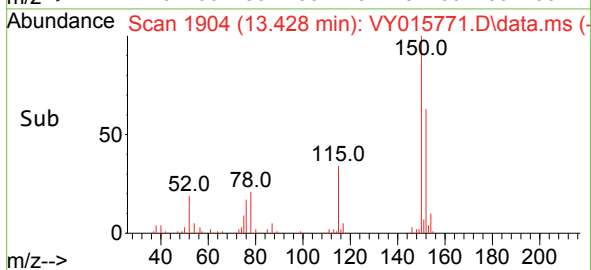
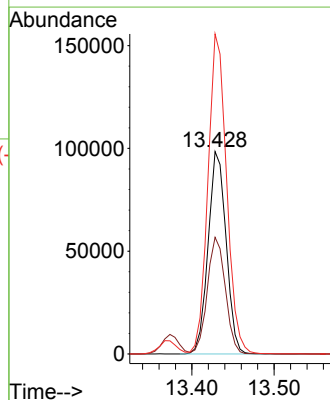
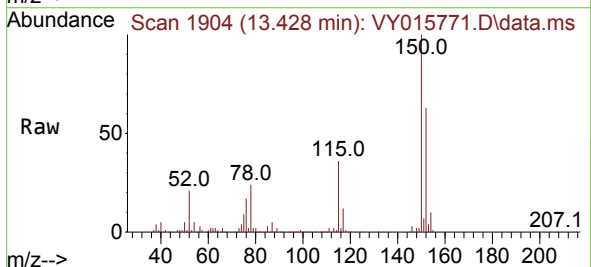
Tgt Ion:152 Resp: 149454

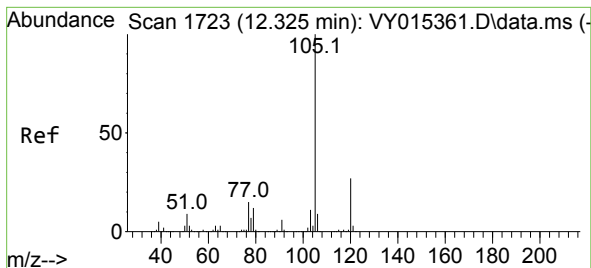
Ion Ratio Lower Upper

152 100

115 57.9 28.8 86.5

150 164.4 0.0 348.8





#73

Isopropylbenzene

Concen: 16.890 ug/l

RT: 12.337 min Scan# 1725

Delta R.T. 0.012 min

Lab File: VY015771.D

Acq: 29 Sep 2023 22:09

Instrument :

MSVOA\_Y

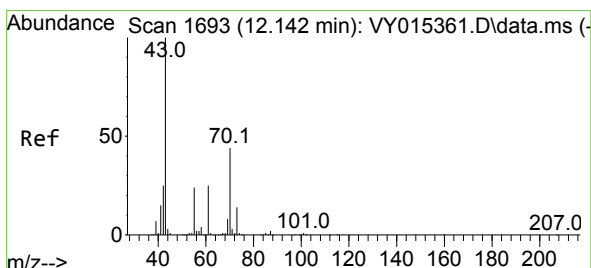
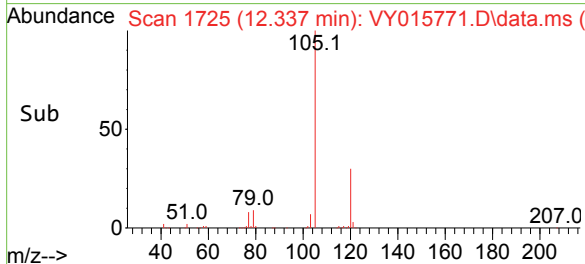
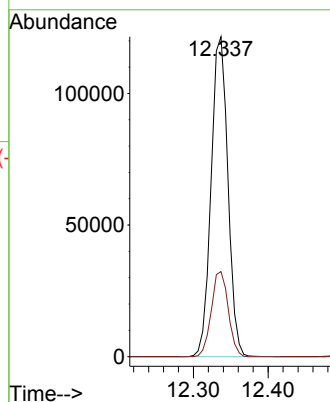
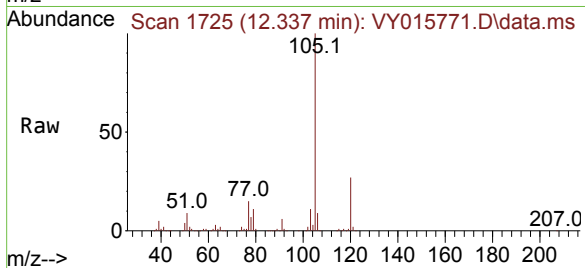
ClientSampleId :

Tgt Ion:105 Resp: 189369

Ion Ratio Lower Upper

105 100

120 26.8 13.3 39.9



#74

N-ethyl acetate

Concen: 17.286 ug/l

RT: 12.148 min Scan# 1694

Delta R.T. 0.006 min

Lab File: VY015771.D

Acq: 29 Sep 2023 22:09

Tgt Ion: 43 Resp: 72842

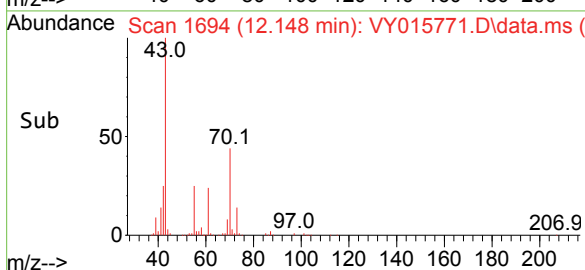
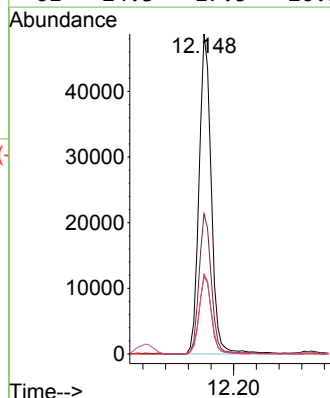
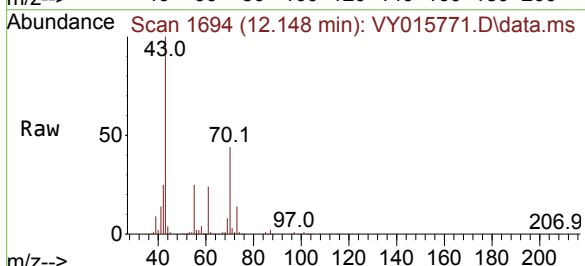
Ion Ratio Lower Upper

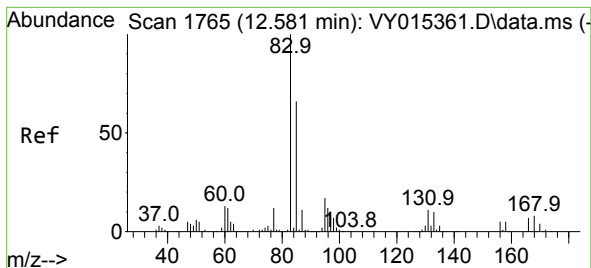
43 100

70 44.4 29.7 44.5

55 24.6 18.3 27.5

61 24.3 17.5 26.3





#75

1,1,2,2-Tetrachloroethane

Concen: 17.490 ug/l

RT: 12.587 min Scan# 1766

Delta R.T. 0.006 min

Lab File: VY015771.D

Acq: 29 Sep 2023 22:09

Instrument :

MSVOA\_Y

ClientSampleId :

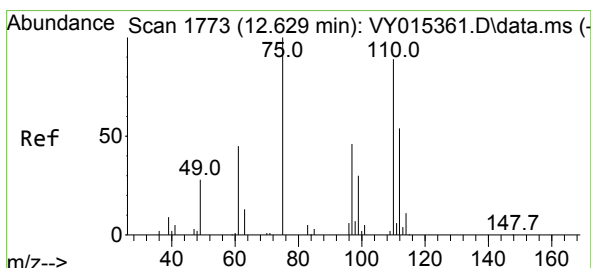
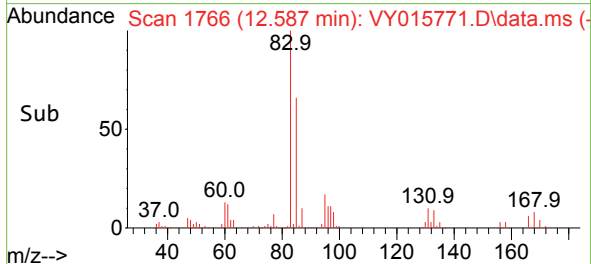
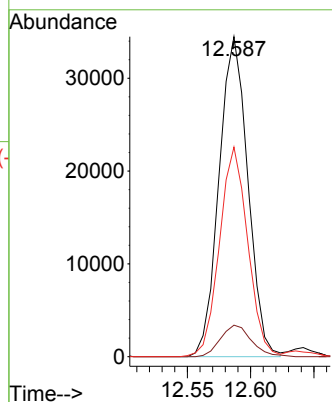
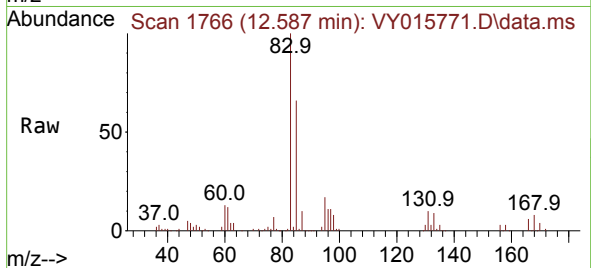
Tgt Ion: 83 Resp: 54573

Ion Ratio Lower Upper

83 100

131 10.6 5.4 16.2

85 64.3 31.8 95.4



#76

1,2,3-Trichloropropane

Concen: 30.580 ug/l

RT: 12.636 min Scan# 1774

Delta R.T. 0.007 min

Lab File: VY015771.D

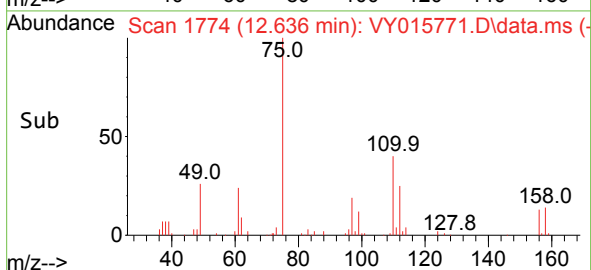
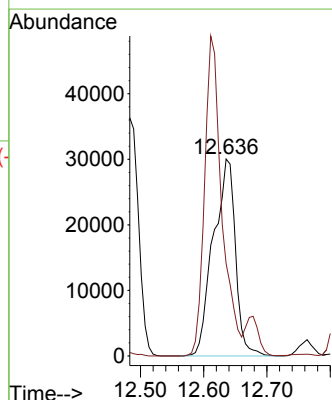
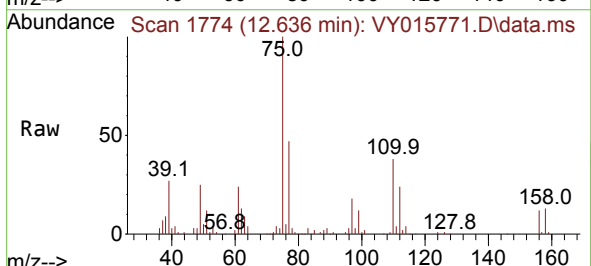
Acq: 29 Sep 2023 22:09

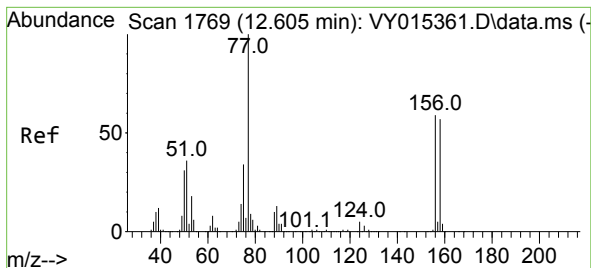
Tgt Ion: 75 Resp: 72912

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 17.501 ug/l

RT: 12.617 min Scan# 1771

Delta R.T. 0.012 min

Lab File: VY015771.D

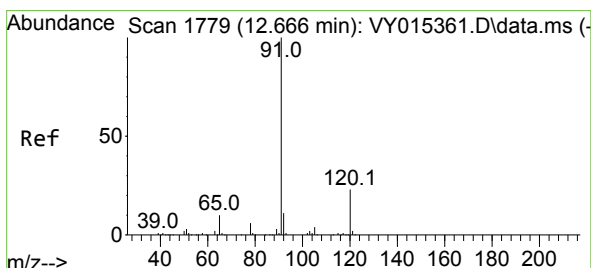
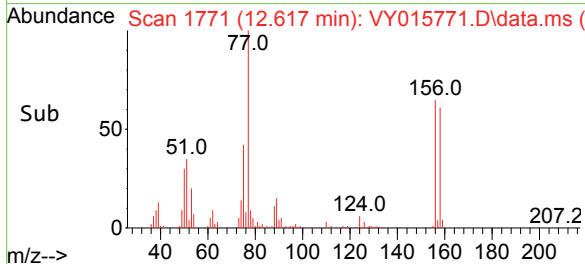
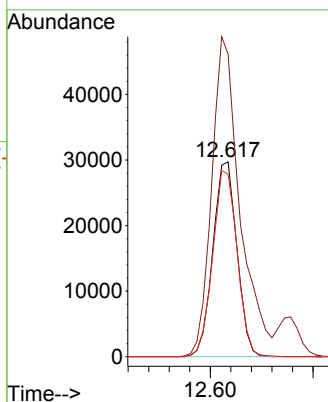
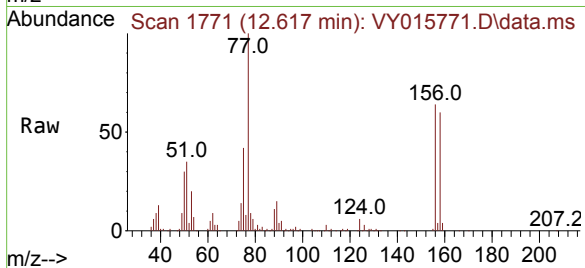
Acq: 29 Sep 2023 22:09

Instrument :

MSVOA\_Y

ClientSampleId :

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 156   | Resp: | 48164 |
| Ion Ratio | Lower | Upper |       |
| 156       | 100   |       |       |
| 77        | 192.7 | 92.8  | 278.6 |
| 158       | 97.0  | 48.4  | 145.3 |



#78

n-propylbenzene

Concen: 16.556 ug/l

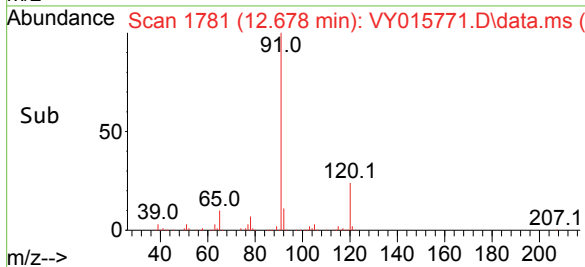
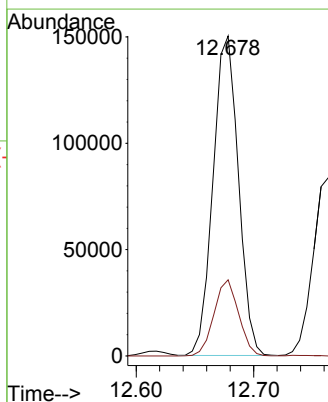
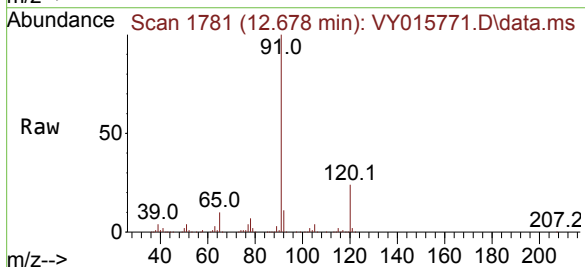
RT: 12.678 min Scan# 1781

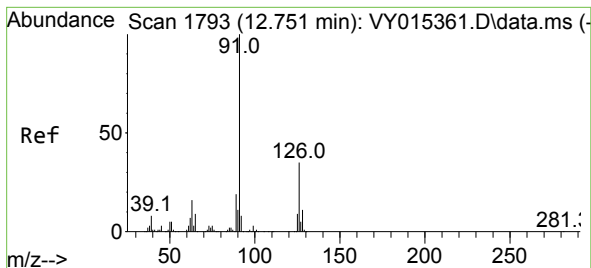
Delta R.T. 0.012 min

Lab File: VY015771.D

Acq: 29 Sep 2023 22:09

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 225499 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 23.2  | 11.5  | 34.4   |

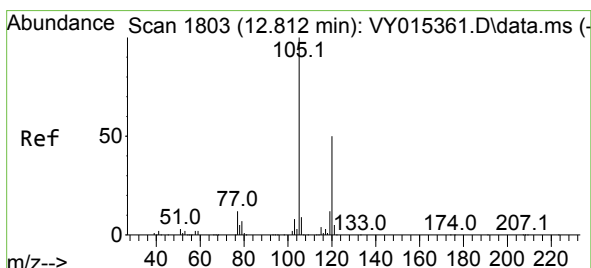
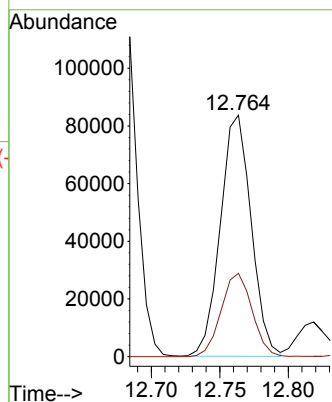
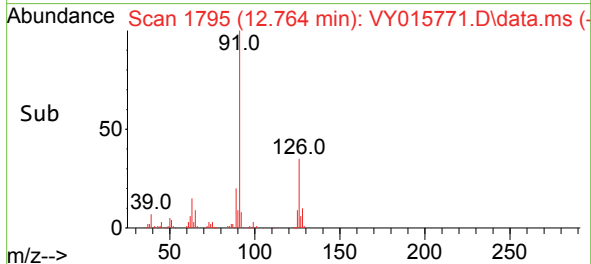
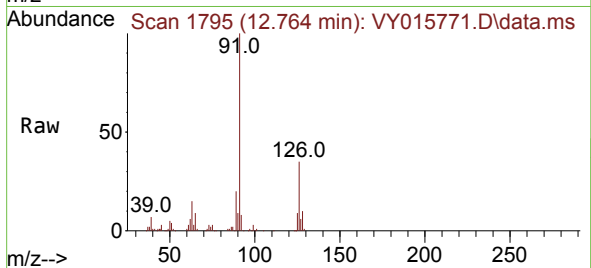




#79  
2-Chlorotoluene  
Concen: 16.881 ug/l  
RT: 12.764 min Scan# 1795  
Delta R.T. 0.013 min  
Lab File: VY015771.D  
Acq: 29 Sep 2023 22:09

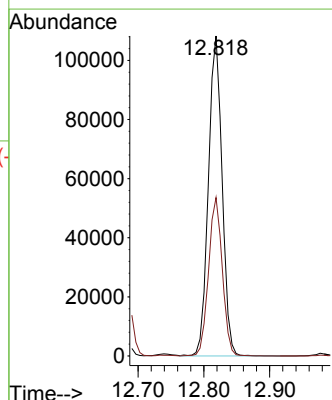
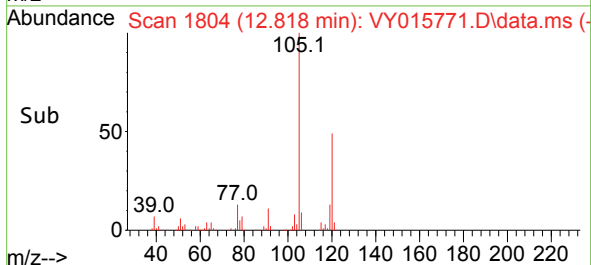
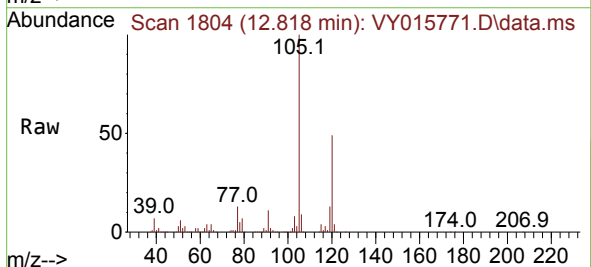
Instrument :  
MSVOA\_Y  
ClientSampleId :

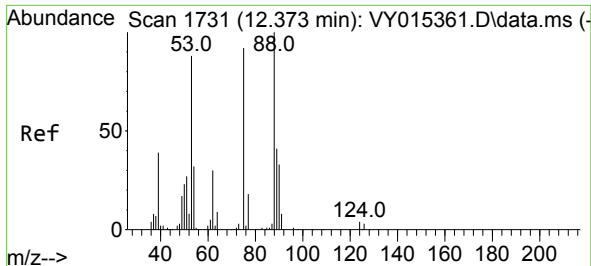
Tgt Ion: 91 Resp: 131065  
Ion Ratio Lower Upper  
91 100  
126 34.7 17.3 51.7



#80  
1,3,5-Trimethylbenzene  
Concen: 16.758 ug/l  
RT: 12.818 min Scan# 1804  
Delta R.T. 0.006 min  
Lab File: VY015771.D  
Acq: 29 Sep 2023 22:09

Tgt Ion: 105 Resp: 157287  
Ion Ratio Lower Upper  
105 100  
120 49.6 23.9 71.7

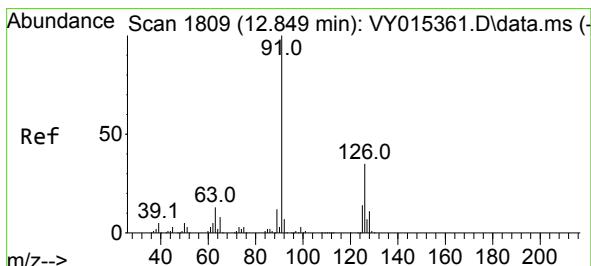
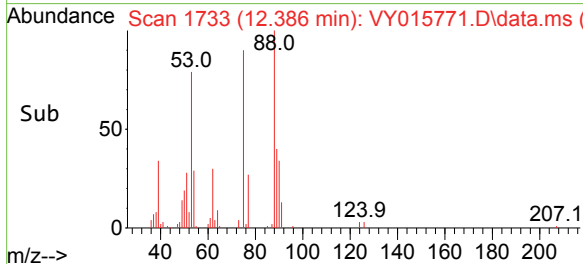
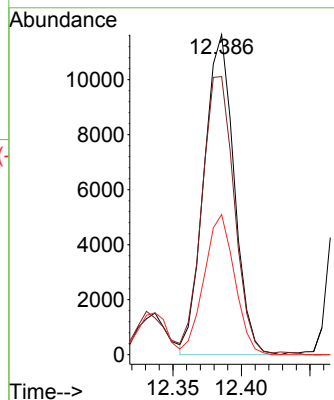
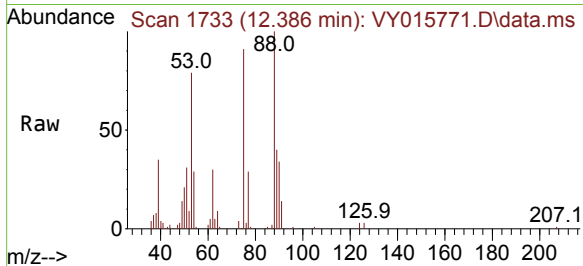




#81  
trans-1,4-Dichloro-2-butene  
Concen: 16.784 ug/l  
RT: 12.386 min Scan# 1731  
Delta R.T. 0.006 min  
Lab File: VY015771.D  
Acq: 29 Sep 2023 22:09

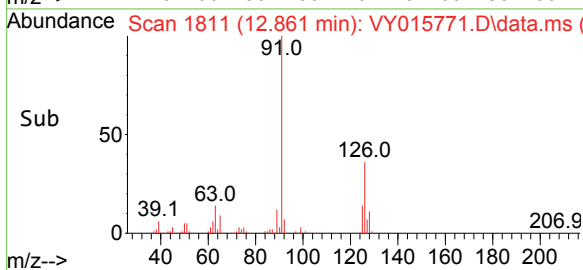
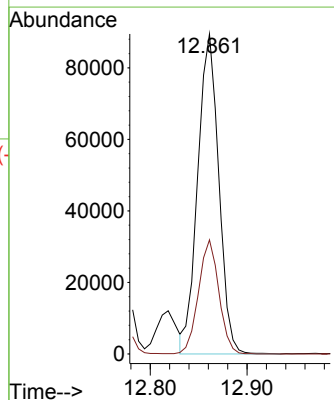
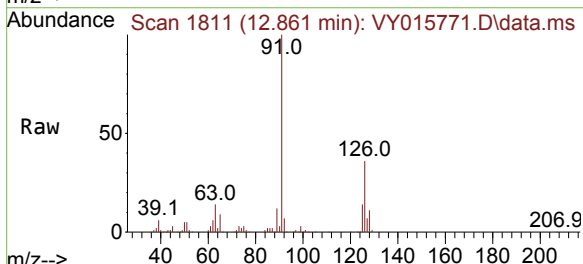
Instrument :  
MSVOA\_Y  
ClientSampleId :

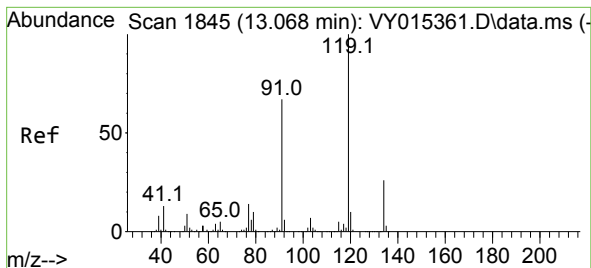
Tgt Ion: 75 Resp: 17771  
Ion Ratio Lower Upper  
75 100  
53 93.4 77.8 116.8  
89 44.4 37.4 56.0



#82  
4-Chlorotoluene  
Concen: 16.732 ug/l  
RT: 12.861 min Scan# 1811  
Delta R.T. 0.012 min  
Lab File: VY015771.D  
Acq: 29 Sep 2023 22:09

Tgt Ion: 91 Resp: 135612  
Ion Ratio Lower Upper  
91 100  
126 34.6 17.2 51.6





#83

tert-Butylbenzene

Concen: 17.099 ug/l

RT: 13.081 min Scan# 119

Delta R.T. 0.006 min

Lab File: VY015771.D

Acq: 29 Sep 2023 22:09

Instrument :

MSVOA\_Y

ClientSampleId :

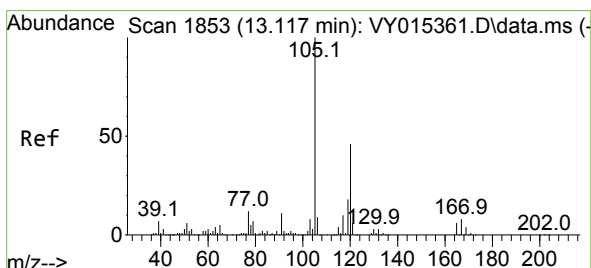
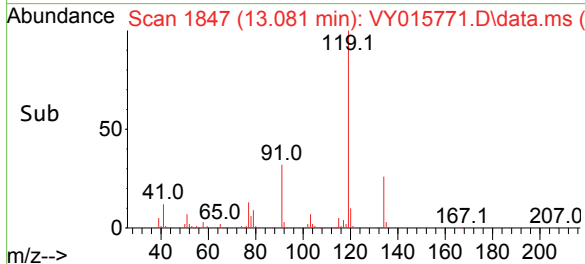
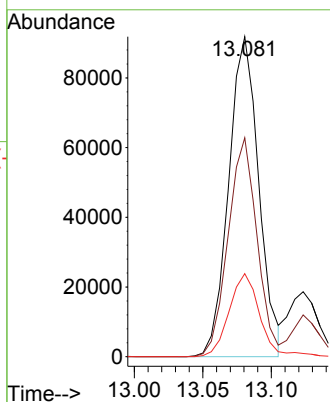
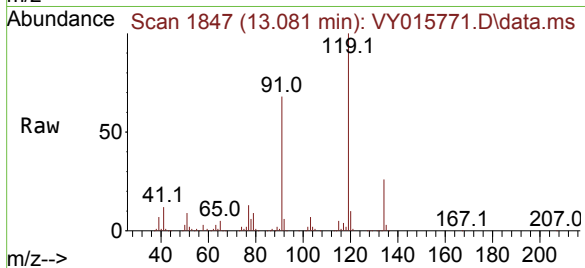
Tgt Ion:119 Resp: 140567

Ion Ratio Lower Upper

119 100

91 65.7 32.9 98.6

134 26.5 13.0 38.9



#84

1,2,4-Trimethylbenzene

Concen: 16.995 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. 0.006 min

Lab File: VY015771.D

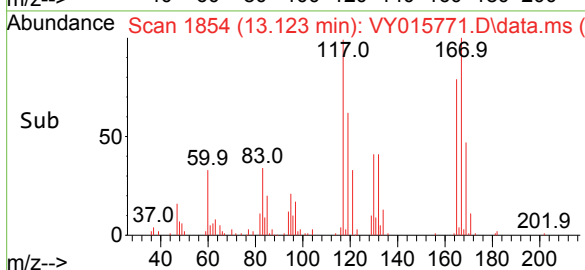
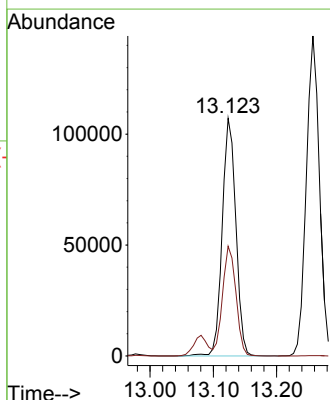
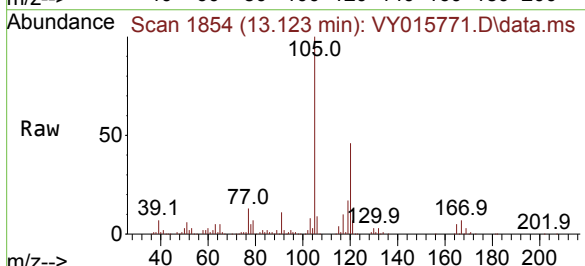
Acq: 29 Sep 2023 22:09

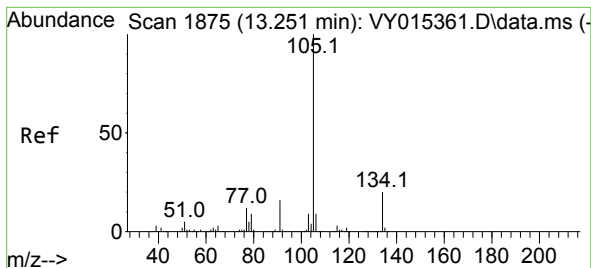
Tgt Ion:105 Resp: 159605

Ion Ratio Lower Upper

105 100

120 45.3 22.2 66.6





#85

sec-Butylbenzene

Concen: 16.938 ug/l

RT: 13.257 min Scan# 1875

Delta R.T. 0.006 min

Lab File: VY015771.D

Acq: 29 Sep 2023 22:09

Instrument :

MSVOA\_Y

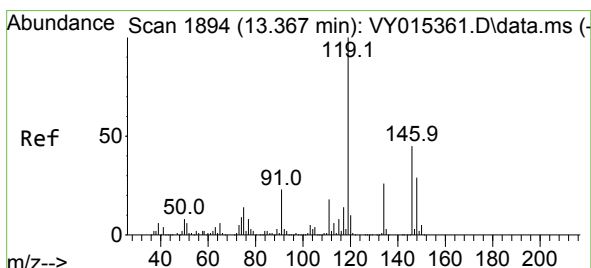
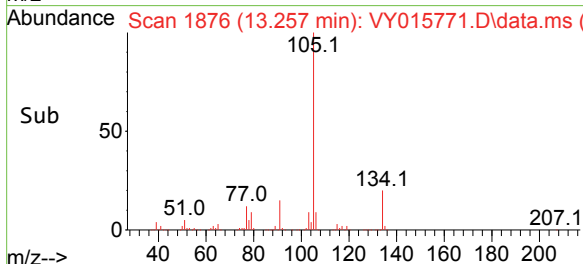
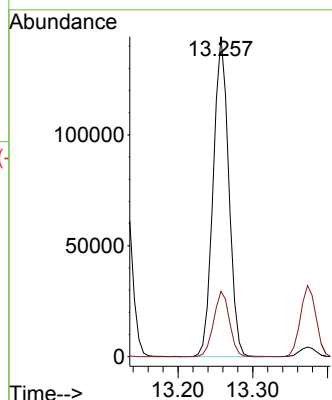
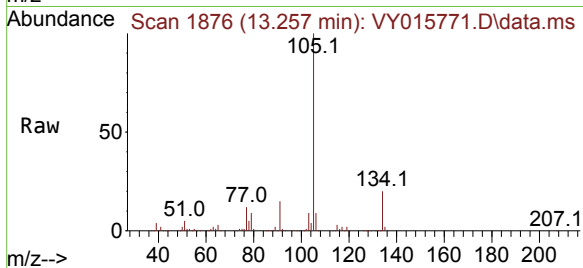
ClientSampleId :

Tgt Ion:105 Resp: 208378

Ion Ratio Lower Upper

105 100

134 20.7 10.2 30.6



#86

p-Isopropyltoluene

Concen: 16.934 ug/l

RT: 13.373 min Scan# 1895

Delta R.T. 0.006 min

Lab File: VY015771.D

Acq: 29 Sep 2023 22:09

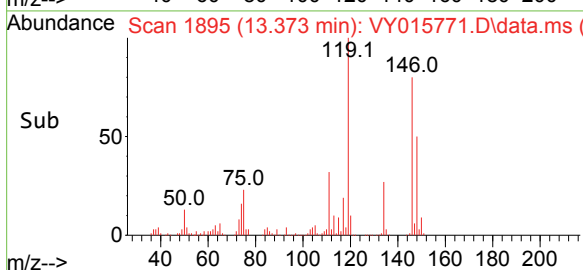
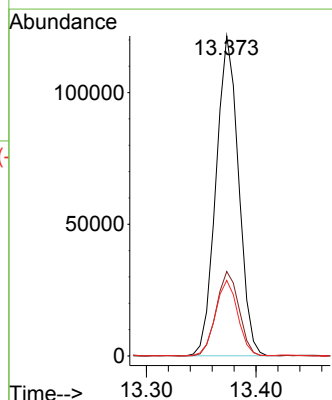
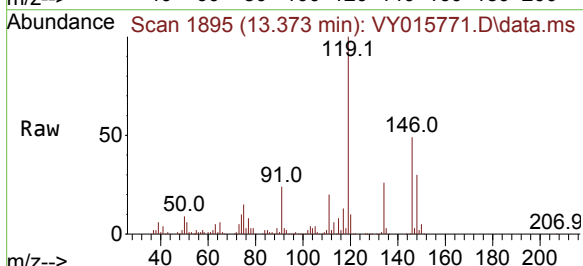
Tgt Ion:119 Resp: 174023

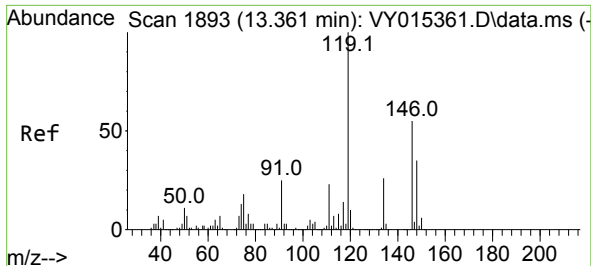
Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.8

91 23.6 12.4 37.4





#87

1,3-Dichlorobenzene

Concen: 16.871 ug/l

RT: 13.373 min Scan# 1893

Delta R.T. 0.012 min

Lab File: VY015771.D

Acq: 29 Sep 2023 22:09

Instrument :

MSVOA\_Y

ClientSampleId :

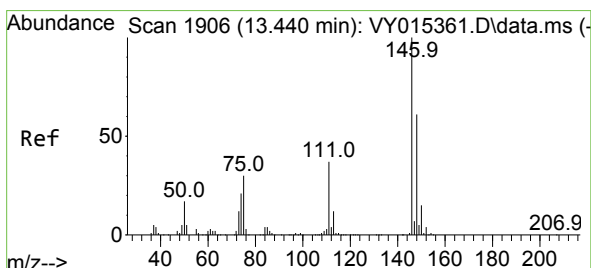
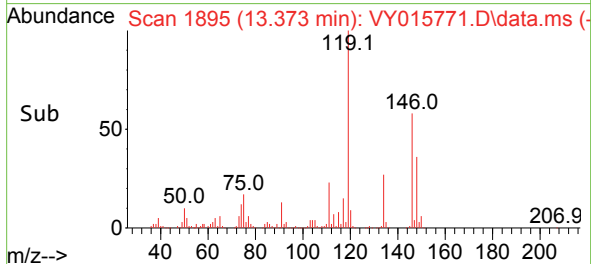
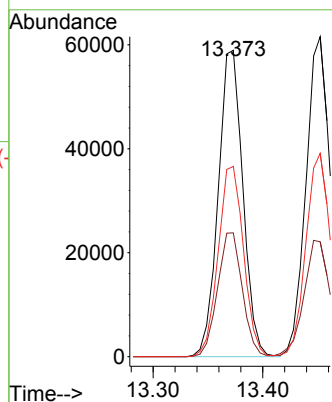
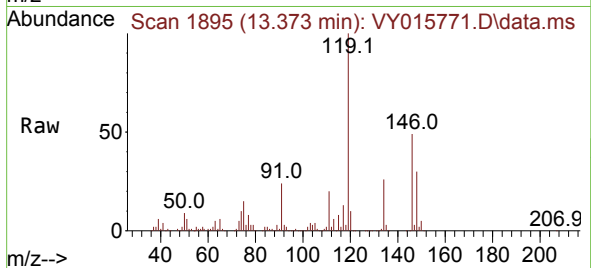
Tgt Ion:146 Resp: 92113

Ion Ratio Lower Upper

146 100

111 40.7 19.4 58.2

148 63.9 31.9 95.5



#88

1,4-Dichlorobenzene

Concen: 17.497 ug/l

RT: 13.452 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY015771.D

Acq: 29 Sep 2023 22:09

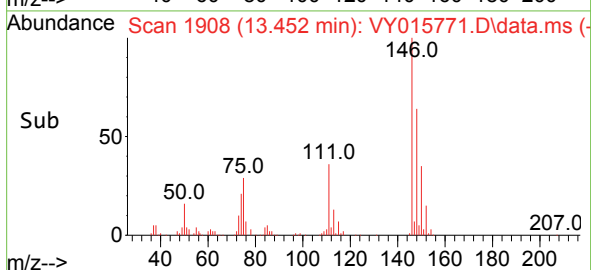
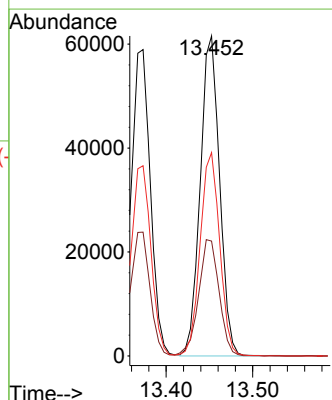
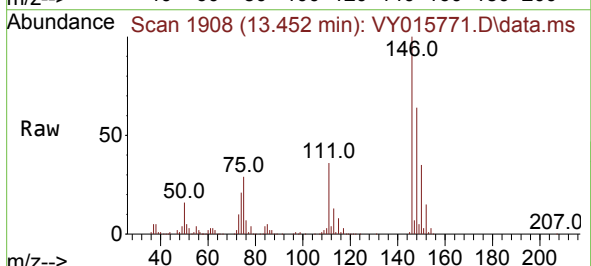
Tgt Ion:146 Resp: 95543

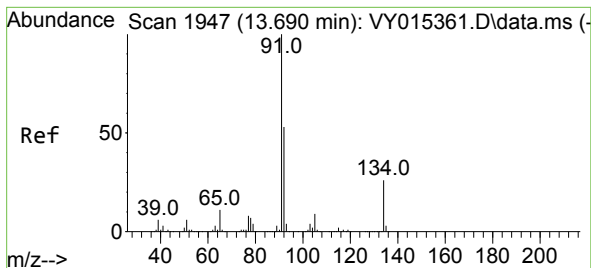
Ion Ratio Lower Upper

146 100

111 38.6 18.9 56.7

148 64.2 32.1 96.5





#89

n-Butylbenzene

Concen: 16.344 ug/l

RT: 13.702 min Scan# 1949

Delta R.T. 0.006 min

Lab File: VY015771.D

Acq: 29 Sep 2023 22:09

Instrument :

MSVOA\_Y

ClientSampleId :

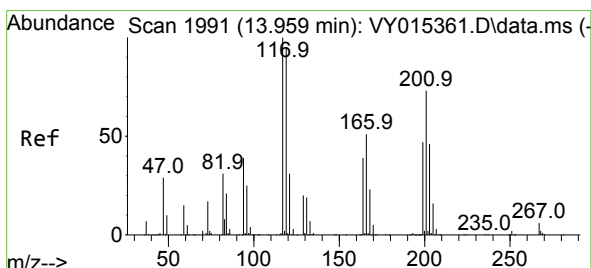
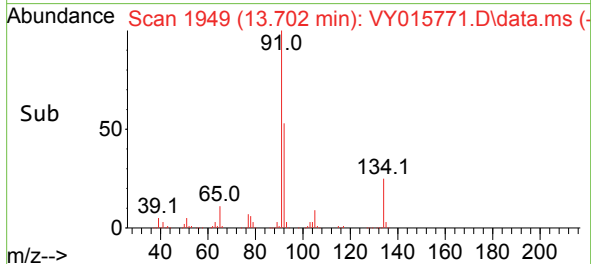
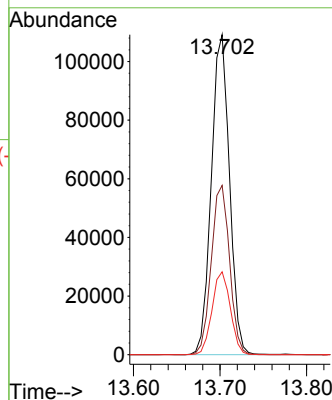
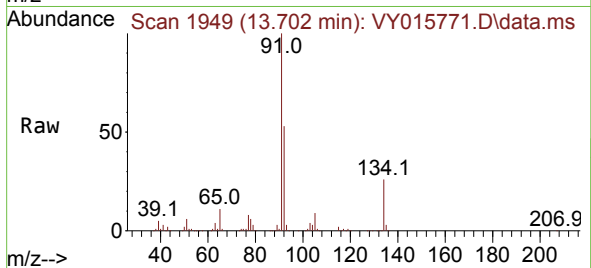
Tgt Ion: 91 Resp: 159042

Ion Ratio Lower Upper

91 100

92 53.3 25.4 76.0

134 26.0 12.6 37.6



#90

Hexachloroethane

Concen: 17.273 ug/l

RT: 13.965 min Scan# 1992

Delta R.T. 0.006 min

Lab File: VY015771.D

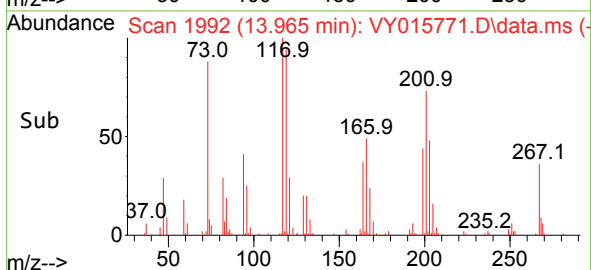
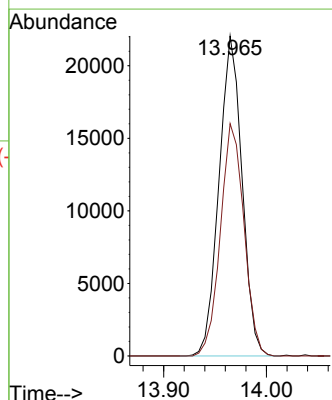
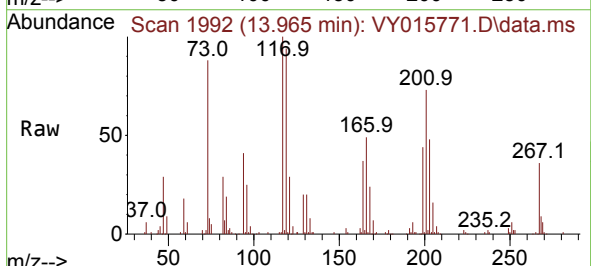
Acq: 29 Sep 2023 22:09

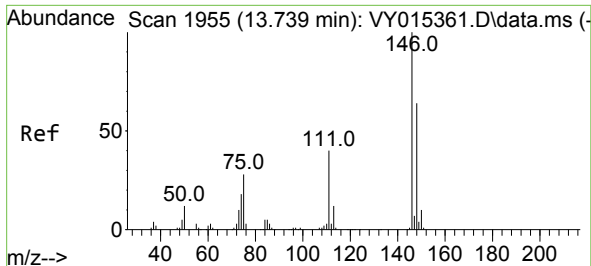
Tgt Ion: 117 Resp: 34258

Ion Ratio Lower Upper

117 100

201 74.4 41.6 124.8

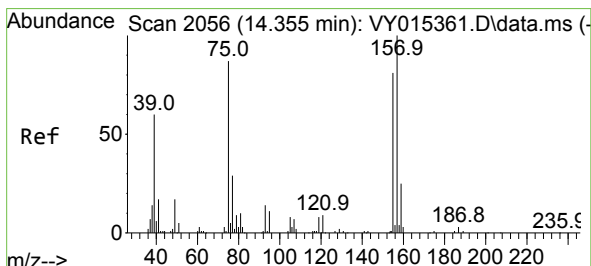
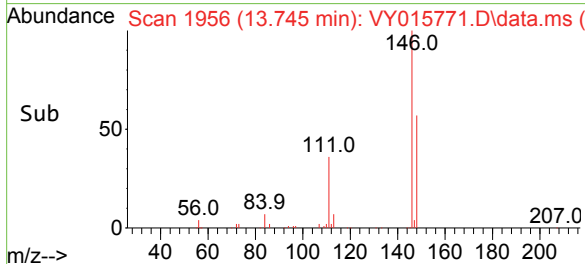
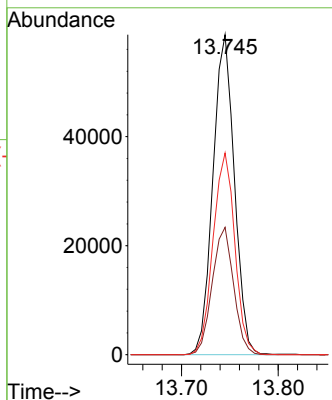
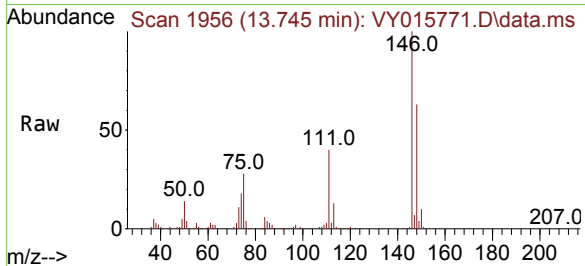




#91  
1,2-Dichlorobenzene  
Concen: 17.937 ug/l  
RT: 13.745 min Scan# 1955  
Delta R.T. 0.006 min  
Lab File: VY015771.D  
Acq: 29 Sep 2023 22:09

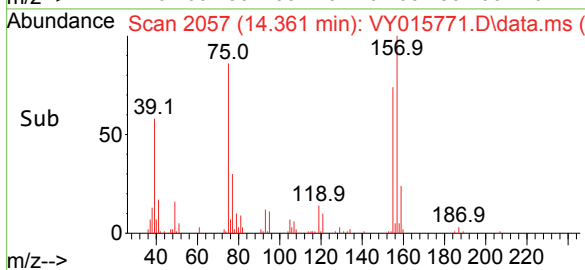
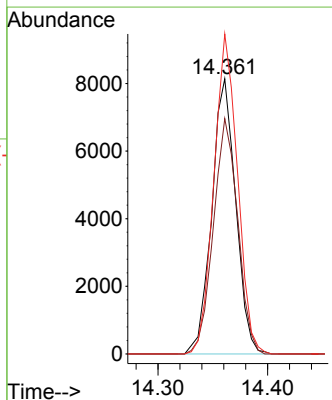
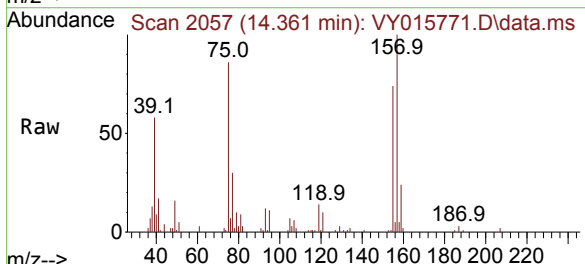
Instrument :  
MSVOA\_Y  
ClientSampleId :

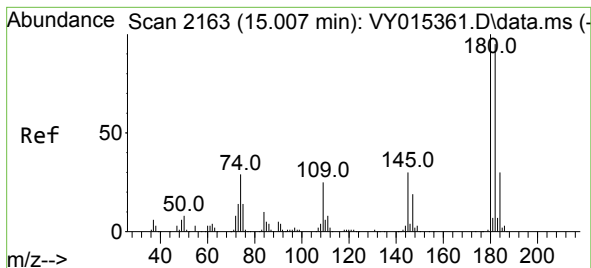
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.7  | 19.7  | 59.0  |
| 148     | 64.0  | 32.0  | 96.2  |



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 19.908 ug/l  
RT: 14.361 min Scan# 2057  
Delta R.T. 0.006 min  
Lab File: VY015771.D  
Acq: 29 Sep 2023 22:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 87.1  | 41.5  | 124.6 |
| 157     | 114.9 | 51.8  | 155.5 |





#93

1,2,4-Trichlorobenzene

Concen: 17.462 ug/l

RT: 15.013 min Scan# 2164

Delta R.T. 0.012 min

Lab File: VY015771.D

Acq: 29 Sep 2023 22:09

Instrument :

MSVOA\_Y

ClientSampleId :

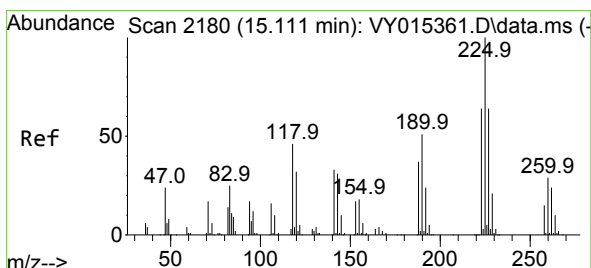
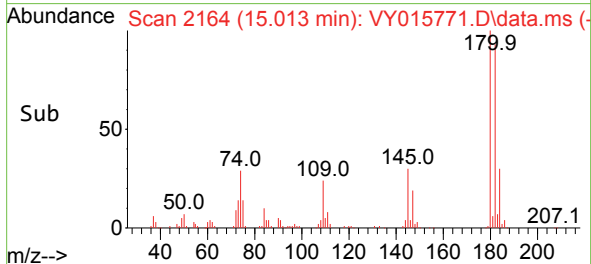
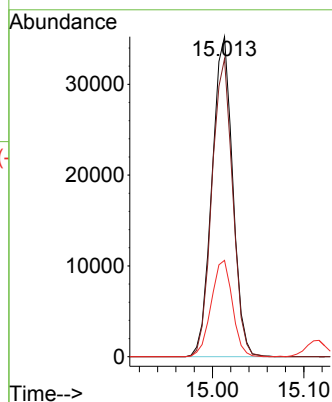
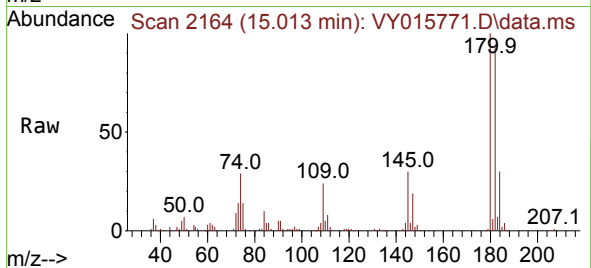
Tgt Ion:180 Resp: 55406

Ion Ratio Lower Upper

180 100

182 93.3 47.0 141.2

145 30.8 14.5 43.5



#94

Hexachlorobutadiene

Concen: 17.889 ug/l

RT: 15.117 min Scan# 2181

Delta R.T. 0.006 min

Lab File: VY015771.D

Acq: 29 Sep 2023 22:09

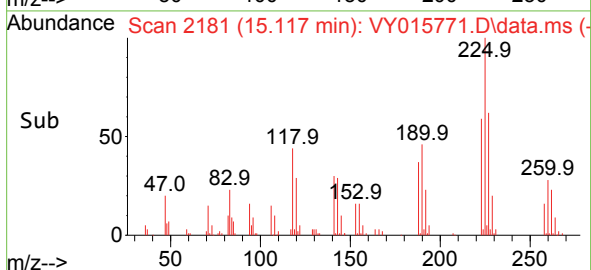
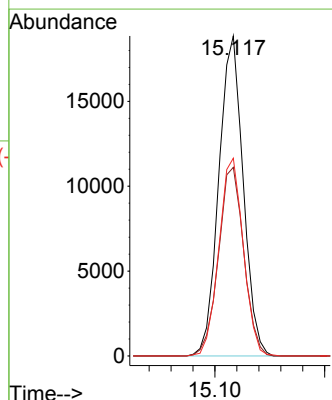
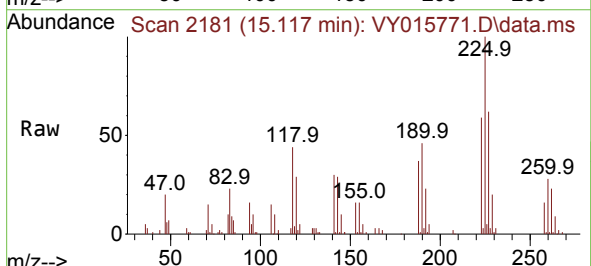
Tgt Ion:225 Resp: 29067

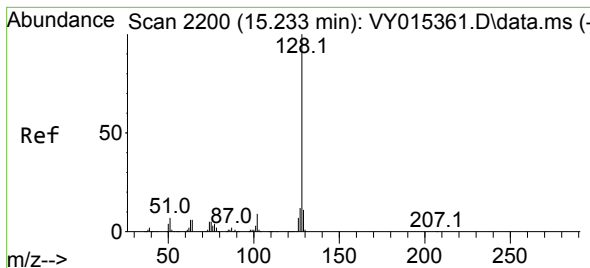
Ion Ratio Lower Upper

225 100

223 61.2 31.9 95.9

227 61.9 33.0 98.9





#95

Naphthalene

Concen: 28.442 ug/l

RT: 15.239 min Scan# 21

Delta R.T. 0.006 min

Lab File: VY015771.D

Acq: 29 Sep 2023 22:09

Instrument :

MSVOA\_Y

ClientSampleId :

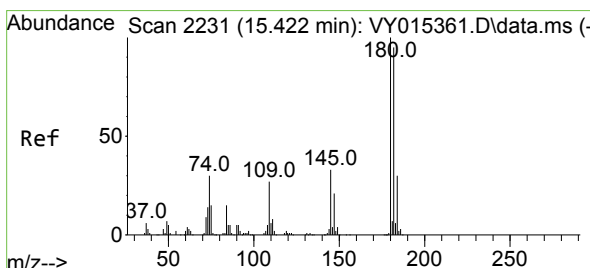
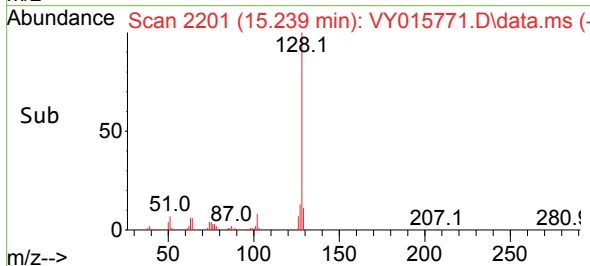
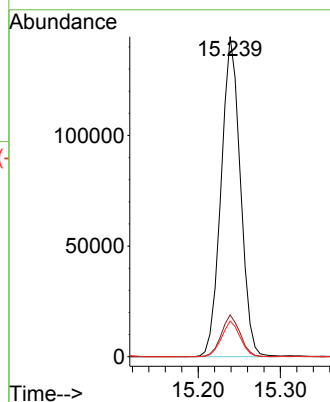
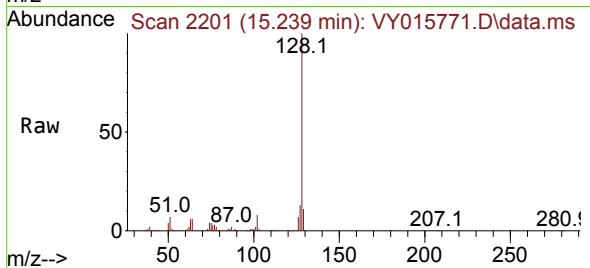
Tgt Ion:128 Resp: 235318

Ion Ratio Lower Upper

128 100

127 12.8 10.8 16.2

129 10.7 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 18.045 ug/l

RT: 15.428 min Scan# 2232

Delta R.T. 0.006 min

Lab File: VY015771.D

Acq: 29 Sep 2023 22:09

Tgt Ion:180 Resp: 52845

Ion Ratio Lower Upper

180 100

182 95.6 47.3 141.8

145 32.6 15.4 46.2

