

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY120723\  
 Data File : VY016632.D  
 Acq On : 07 Dec 2023 18:23  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Dec 08 00:26:20 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y120423S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 05 01:24:25 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.819  | 168  | 177814   | 50.000 | ug/l  | 0.01     |
| 34) 1,4-Difluorobenzene    | 8.715  | 114  | 256042   | 50.000 | ug/l  | 0.01     |
| 63) Chlorobenzene-d5       | 11.514 | 117  | 275404   | 50.000 | ug/l  | 0.01     |
| 72) 1,4-Dichlorobenzene-d4 | 13.446 | 152  | 115706   | 50.000 | ug/l  | 0.01     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 8.167  | 65    | 93696    | 57.011   | ug/l       | 0.01 |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 114.020% |      |
| 35) Dibromofluoromethane    | 7.740  | 113   | 86180    | 55.930   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 111.860% |      |
| 50) Toluene-d8              | 10.203 | 98    | 337036   | 57.826   | ug/l       | 0.01 |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | = 115.660% |      |
| 62) 4-Bromofluorobenzene    | 12.501 | 95    | 114026   | 59.491   | ug/l       | 0.01 |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | = 118.980% |      |

|                              |       |     |        |         |        |     |
|------------------------------|-------|-----|--------|---------|--------|-----|
| Target Compounds             |       |     |        |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.918 | 85  | 72589  | 46.215  | ug/l   | 97  |
| 3) Chloromethane             | 2.125 | 50  | 104534 | 64.154  | ug/l   | 100 |
| 4) Vinyl Chloride            | 2.265 | 62  | 105900 | 64.358  | ug/l   | 96  |
| 5) Bromomethane              | 2.674 | 94  | 68365  | 66.327  | ug/l   | 98  |
| 6) Chloroethane              | 2.814 | 64  | 69944  | 68.815  | ug/l   | 94  |
| 7) Trichlorofluoromethane    | 3.149 | 101 | 184642 | 59.357  | ug/l   | 98  |
| 8) Diethyl Ether             | 3.552 | 74  | 40805  | 47.100  | ug/l   | 77  |
| 9) 1,1,2-Trichlorotrifluo... | 3.930 | 101 | 79692  | 45.812  | ug/l   | 95  |
| 10) Methyl Iodide            | 4.125 | 142 | 104398 | 56.801  | ug/l   | 97  |
| 11) Tert butyl alcohol       | 4.991 | 59  | 26046  | 232.601 | ug/l # | 78  |
| 12) 1,1-Dichloroethene       | 3.899 | 96  | 76774  | 48.584  | ug/l   | 88  |
| 13) Acrolein                 | 3.753 | 56  | 40614  | 249.481 | ug/l   | 100 |
| 14) Allyl chloride           | 4.515 | 41  | 103822 | 43.051  | ug/l # | 84  |
| 15) Acrylonitrile            | 5.198 | 53  | 74047  | 211.761 | ug/l   | 98  |
| 16) Acetone                  | 3.966 | 43  | 71111  | 191.209 | ug/l   | 100 |
| 17) Carbon Disulfide         | 4.222 | 76  | 201712 | 45.529  | ug/l   | 99  |
| 18) Methyl Acetate           | 4.509 | 43  | 66206  | 44.911  | ug/l # | 85  |
| 19) Methyl tert-butyl Ether  | 5.253 | 73  | 201669 | 51.916  | ug/l   | 95  |
| 20) Methylene Chloride       | 4.753 | 84  | 85655  | 52.405  | ug/l # | 83  |
| 21) trans-1,2-Dichloroethene | 5.259 | 96  | 87723  | 49.365  | ug/l   | 92  |
| 22) Diisopropyl ether        | 6.149 | 45  | 207200 | 41.776  | ug/l # | 90  |
| 23) Vinyl Acetate            | 6.094 | 43  | 490853 | 206.155 | ug/l # | 90  |
| 24) 1,1-Dichloroethane       | 6.051 | 63  | 138307 | 45.390  | ug/l   | 95  |
| 25) 2-Butanone               | 7.015 | 43  | 91261  | 178.455 | ug/l   | 90  |
| 26) 2,2-Dichloropropane      | 7.015 | 77  | 150459 | 52.524  | ug/l   | 100 |
| 27) cis-1,2-Dichloroethene   | 7.021 | 96  | 98991  | 50.607  | ug/l   | 91  |
| 28) Bromochloromethane       | 7.362 | 49  | 50493  | 40.911  | ug/l # | 60  |
| 29) Tetrahydrofuran          | 7.374 | 42  | 54792  | 187.925 | ug/l # | 79  |
| 30) Chloroform               | 7.539 | 83  | 168881 | 51.994  | ug/l   | 96  |
| 31) Cyclohexane              | 7.819 | 56  | 108057 | 38.514  | ug/l   | 87  |
| 32) 1,1,1-Trichloroethane    | 7.728 | 97  | 169350 | 55.092  | ug/l   | 96  |
| 36) 1,1-Dichloropropene      | 7.947 | 75  | 115866 | 49.467  | ug/l   | 95  |
| 37) Ethyl Acetate            | 7.106 | 43  | 40760  | 41.587  | ug/l # | 92  |
| 38) Carbon Tetrachloride     | 7.929 | 117 | 160634 | 59.240  | ug/l   | 98  |
| 39) Methylcyclohexane        | 9.209 | 83  | 137923 | 48.873  | ug/l   | 87  |
| 40) Benzene                  | 8.185 | 78  | 334992 | 50.741  | ug/l   | 100 |

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 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Dec 08 00:26:20 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y120423S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 05 01:24:25 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.338  | 41   | 23112    | 40.830   | ug/l   | 96       |
| 42) 1,2-Dichloroethane        | 8.264  | 62   | 109679   | 57.213   | ug/l   | 97       |
| 43) Isopropyl Acetate         | 8.295  | 43   | 83184    | 43.996   | ug/l # | 87       |
| 44) Trichloroethene           | 8.965  | 130  | 110160   | 55.329   | ug/l   | 91       |
| 45) 1,2-Dichloropropane       | 9.240  | 63   | 72357    | 45.523   | ug/l   | 95       |
| 46) Dibromomethane            | 9.331  | 93   | 45534    | 52.256   | ug/l   | 92       |
| 47) Bromodichloromethane      | 9.520  | 83   | 128719   | 55.487   | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.313  | 41   | 47634    | 43.624   | ug/l   | 87       |
| 49) 1,4-Dioxane               | 9.319  | 88   | 9175     | 1040.287 | ug/l # | 60       |
| 51) 4-Methyl-2-Pentanone      | 10.093 | 43   | 208472   | 212.166  | ug/l   | 92       |
| 52) Toluene                   | 10.264 | 92   | 225257   | 54.439   | ug/l   | 94       |
| 53) t-1,3-Dichloropropene     | 10.483 | 75   | 119558   | 54.610   | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 9.953  | 75   | 134541   | 52.326   | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 10.666 | 97   | 63340    | 52.184   | ug/l   | 94       |
| 56) Ethyl methacrylate        | 10.532 | 69   | 56680    | 50.944   | ug/l   | 92       |
| 57) 1,3-Dichloropropane       | 10.813 | 76   | 105523   | 51.463   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.807  | 63   | 149292   | 217.738  | ug/l # | 82       |
| 59) 2-Hexanone                | 10.849 | 43   | 148573   | 199.880  | ug/l   | 91       |
| 60) Dibromochloromethane      | 11.008 | 129  | 92531    | 57.055   | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.111 | 107  | 62388    | 54.648   | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.739 | 164  | 119786   | 47.459   | ug/l   | 96       |
| 65) Chlorobenzene             | 11.538 | 112  | 308699   | 55.341   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.611 | 131  | 117120   | 53.720   | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.611 | 91   | 524368   | 52.416   | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.721 | 106  | 361338   | 95.145   | ug/l   | 95       |
| 69) o-Xylene                  | 12.050 | 106  | 165367   | 46.644   | ug/l   | 96       |
| 70) Styrene                   | 12.062 | 104  | 241011   | 47.381   | ug/l   | 100      |
| 71) Bromoform                 | 12.227 | 173  | 56857    | 48.296   | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.349 | 105  | 455359   | 53.148   | ug/l   | 98       |
| 74) N-amyl acetate            | 12.160 | 43   | 67954    | 39.777   | ug/l # | 89       |
| 75) 1,1,2,2-Tetrachloroethane | 12.599 | 83   | 59344    | 43.548   | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.654 | 75   | 87272    | 83.497   | ug/l # | 100      |
| 77) Bromobenzene              | 12.629 | 156  | 113969   | 56.442   | ug/l   | 81       |
| 78) n-propylbenzene           | 12.690 | 91   | 499342   | 50.073   | ug/l   | 95       |
| 79) 2-Chlorotoluene           | 12.776 | 91   | 284831   | 50.687   | ug/l   | 95       |
| 80) 1,3,5-Trimethylbenzene    | 12.831 | 105  | 376709   | 54.111   | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-b... | 12.398 | 75   | 20015    | 43.197   | ug/l   | 94       |
| 82) 4-Chlorotoluene           | 12.873 | 91   | 293807   | 50.529   | ug/l   | 96       |
| 83) tert-Butylbenzene         | 13.093 | 119  | 337865   | 54.318   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.141 | 105  | 369831   | 54.387   | ug/l   | 97       |
| 85) sec-Butylbenzene          | 13.270 | 105  | 444041   | 50.828   | ug/l   | 96       |
| 86) p-Isopropyltoluene        | 13.385 | 119  | 407429   | 53.726   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.385 | 146  | 207881   | 53.931   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.465 | 146  | 203039   | 53.673   | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.715 | 91   | 342861   | 50.274   | ug/l   | 94       |
| 90) Hexachloroethane          | 13.983 | 117  | 74320    | 49.808   | ug/l   | 91       |
| 91) 1,2-Dichlorobenzene       | 13.757 | 146  | 180153   | 54.437   | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 14.373 | 75   | 11088    | 50.846   | ug/l   | 90       |
| 93) 1,2,4-Trichlorobenzene    | 15.025 | 180  | 108018   | 57.843   | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.129 | 225  | 65848    | 55.810   | ug/l   | 98       |
| 95) Naphthalene               | 15.257 | 128  | 180643   | 58.291   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.446 | 180  | 88285    | 59.180   | ug/l   | 97       |

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Sample : VSTDCCC050  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

Quant Time: Dec 08 00:26:20 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y120423S.M  
Quant Title : SW846 8260  
QLast Update : Tue Dec 05 01:24:25 2023  
Response via : Initial Calibration

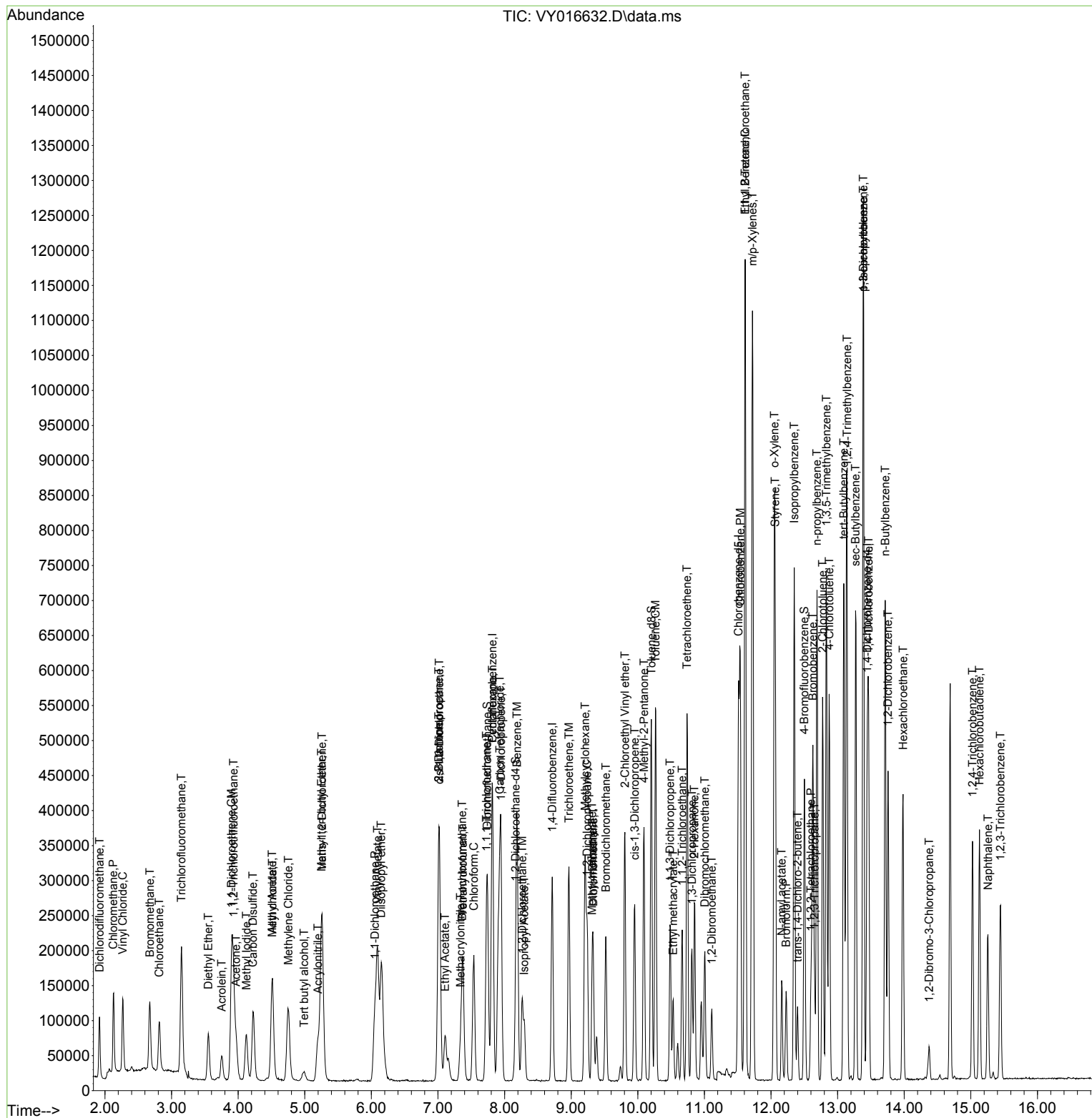
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

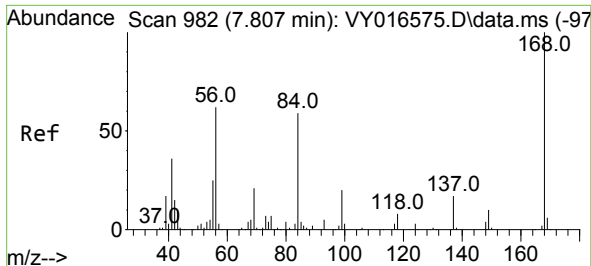
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 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/soil  
 ALS Vial : 14 Sample Multiplier: 1

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 QLast Update : Tue Dec 05 01:24:25 2023  
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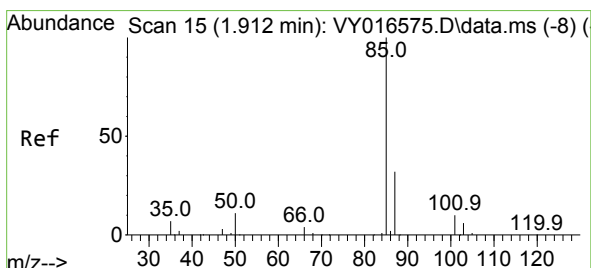
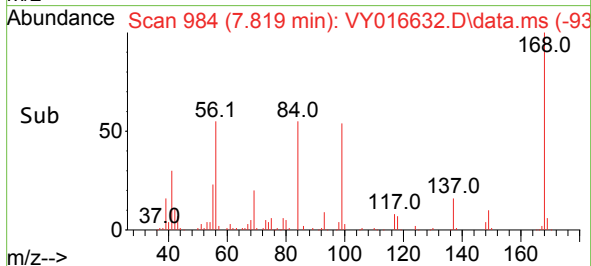
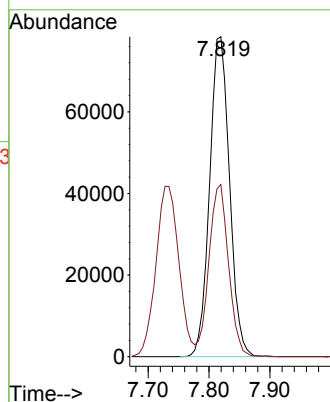
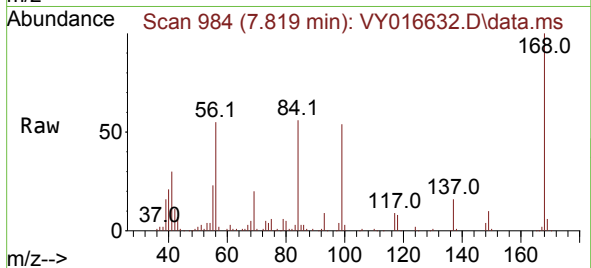




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.819 min Scan# 91  
Delta R.T. 0.012 min  
Lab File: VY016632.D  
Acq: 07 Dec 2023 18:23

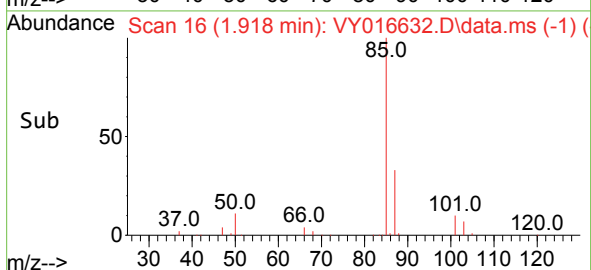
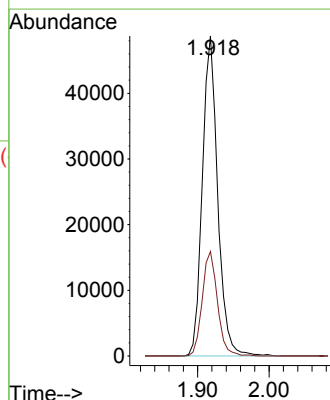
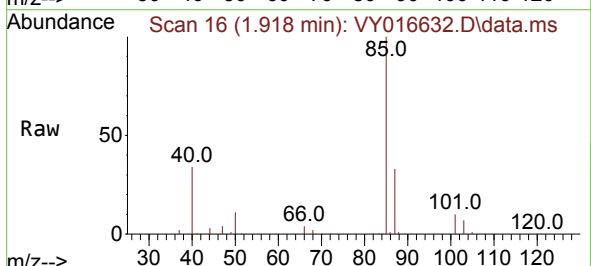
Instrument :  
MSVOA\_Y  
ClientSampleId :

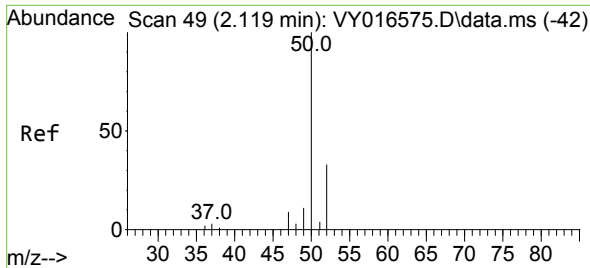
Tgt Ion:168 Resp: 177814  
Ion Ratio Lower Upper  
168 100  
99 53.8 43.4 65.0



#2  
Dichlorodifluoromethane  
Concen: 46.215 ug/l  
RT: 1.918 min Scan# 16  
Delta R.T. 0.006 min  
Lab File: VY016632.D  
Acq: 07 Dec 2023 18:23

Tgt Ion: 85 Resp: 72589  
Ion Ratio Lower Upper  
85 100  
87 32.7 15.6 46.8

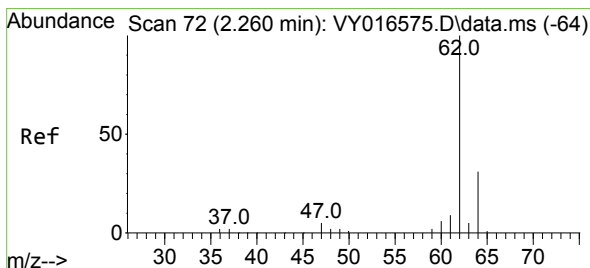
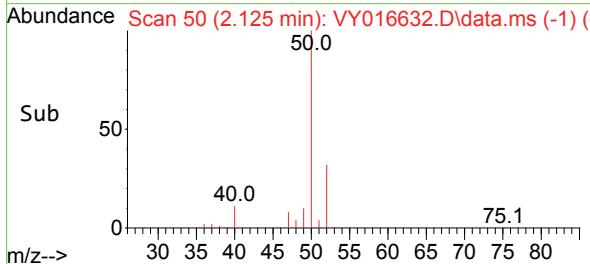
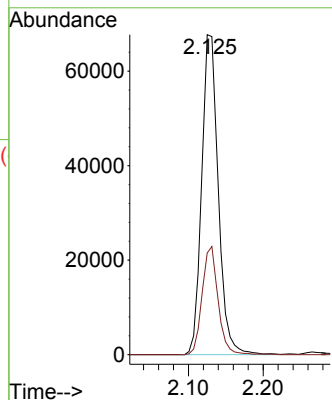
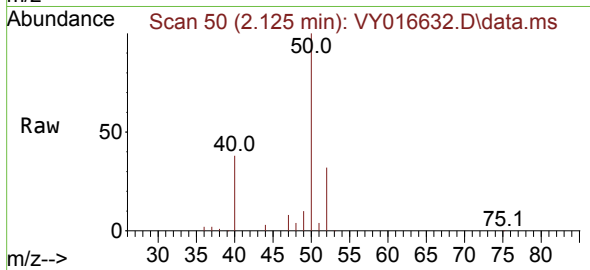




#3  
Chloromethane  
Concen: 64.154 ug/l  
RT: 2.125 min Scan# 50  
Delta R.T. 0.006 min  
Lab File: VY016632.D  
Acq: 07 Dec 2023 18:23

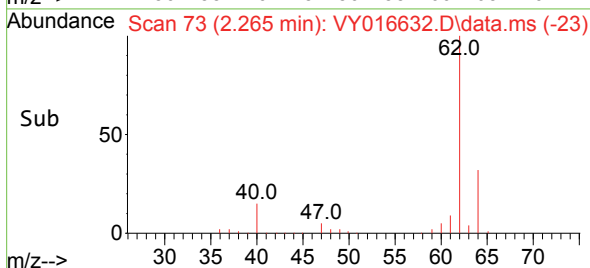
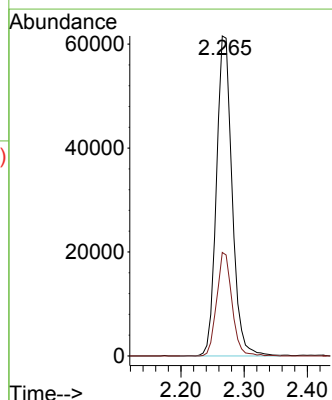
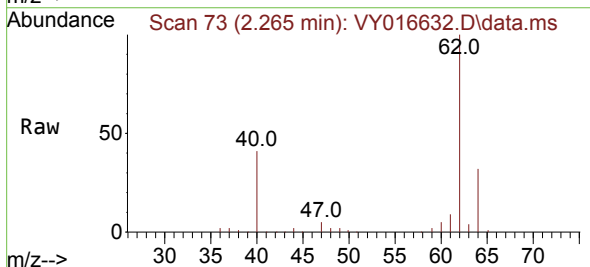
Instrument :  
MSVOA\_Y  
ClientSampleId :

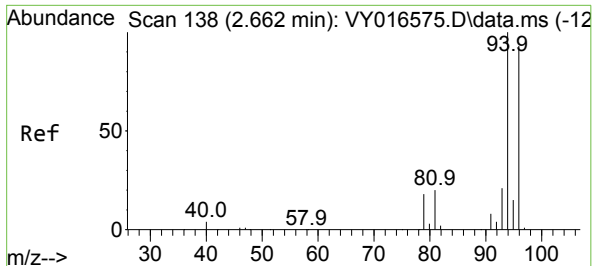
Tgt Ion: 50 Resp: 104534  
Ion Ratio Lower Upper  
50 100  
52 31.8 25.4 38.2



#4  
Vinyl Chloride  
Concen: 64.358 ug/l  
RT: 2.265 min Scan# 73  
Delta R.T. 0.006 min  
Lab File: VY016632.D  
Acq: 07 Dec 2023 18:23

Tgt Ion: 62 Resp: 105900  
Ion Ratio Lower Upper  
62 100  
64 32.3 24.3 36.5





#5

Bromomethane

Concen: 66.327 ug/l

RT: 2.674 min Scan# 14

Delta R.T. 0.012 min

Lab File: VY016632.D

Acq: 07 Dec 2023 18:23

Instrument :

MSVOA\_Y

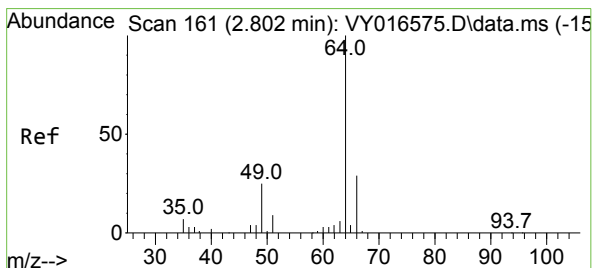
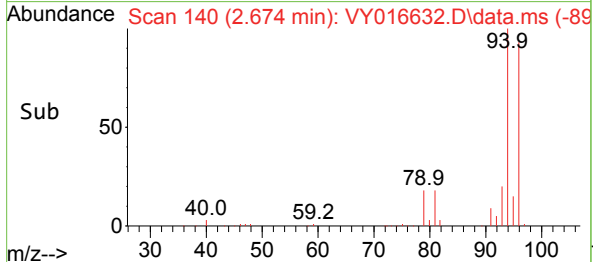
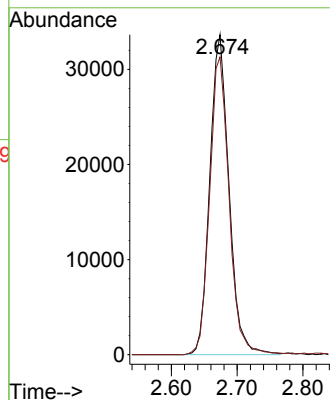
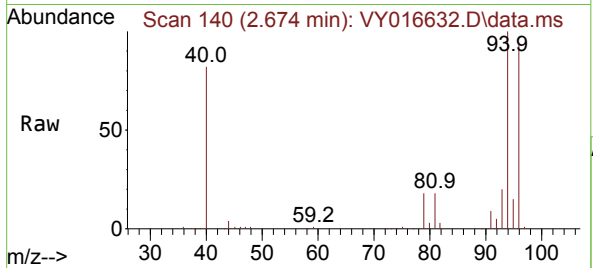
ClientSampleId :

Tgt Ion: 94 Resp: 68365

Ion Ratio Lower Upper

94 100

96 93.0 75.8 113.6



#6

Chloroethane

Concen: 68.815 ug/l

RT: 2.814 min Scan# 163

Delta R.T. 0.012 min

Lab File: VY016632.D

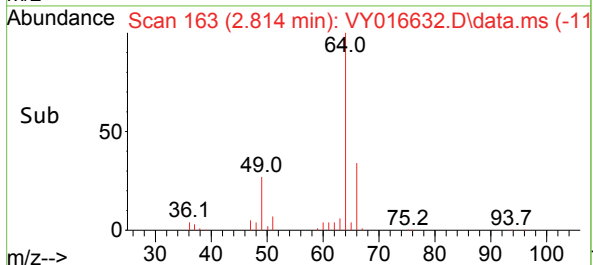
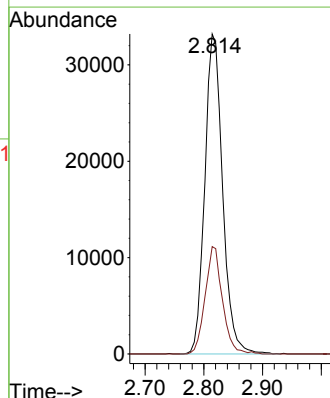
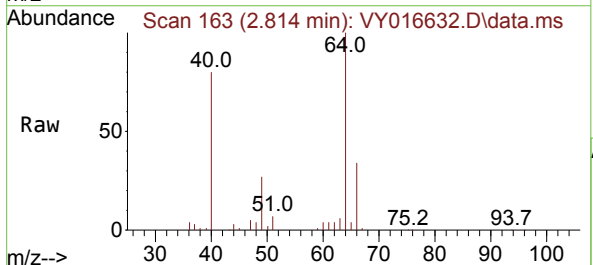
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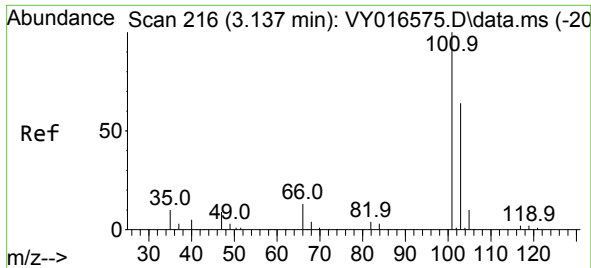
Tgt Ion: 64 Resp: 69944

Ion Ratio Lower Upper

64 100

66 33.6 24.4 36.6

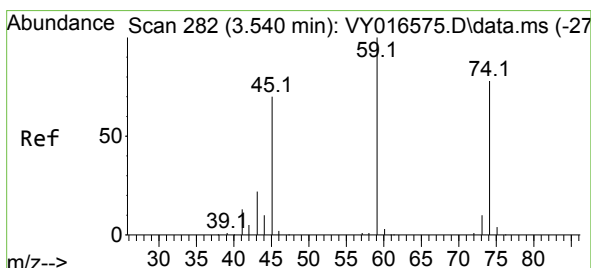
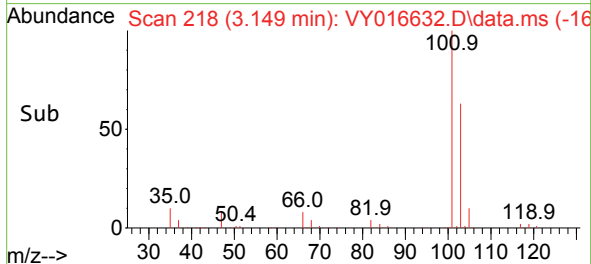
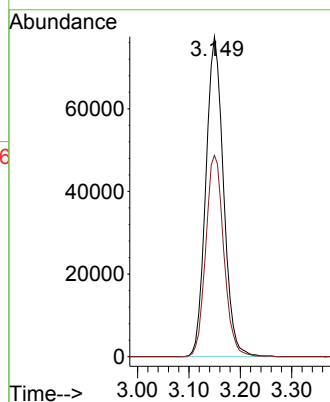
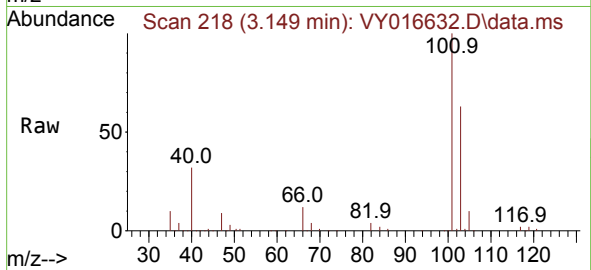




#7  
 Trichlorofluoromethane  
 Concen: 59.357 ug/l  
 RT: 3.149 min Scan# 216  
 Delta R.T. 0.012 min  
 Lab File: VY016632.D  
 Acq: 07 Dec 2023 18:23

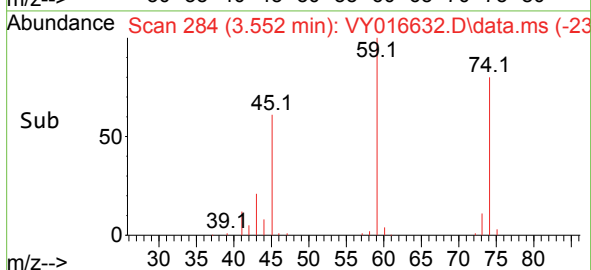
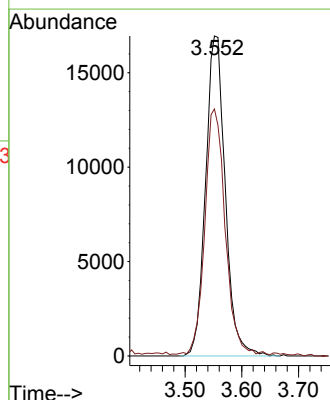
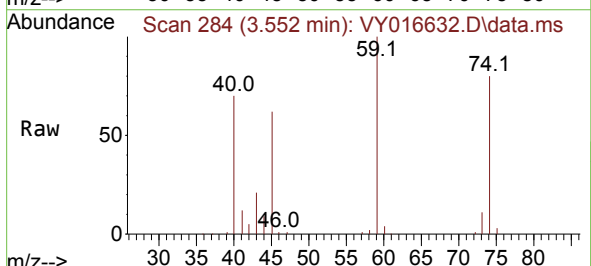
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Tgt Ion:101 Resp: 184642  
 Ion Ratio Lower Upper  
 101 100  
 103 63.0 51.4 77.0

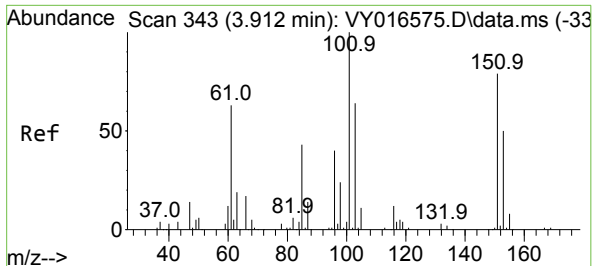


#8  
 Diethyl Ether  
 Concen: 47.100 ug/l  
 RT: 3.552 min Scan# 284  
 Delta R.T. 0.012 min  
 Lab File: VY016632.D  
 Acq: 07 Dec 2023 18:23

Tgt Ion: 74 Resp: 40805  
 Ion Ratio Lower Upper  
 74 100  
 45 79.7 51.5 154.5



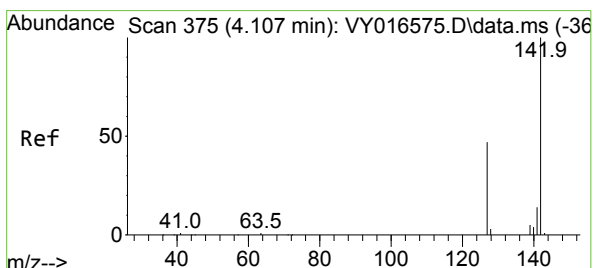
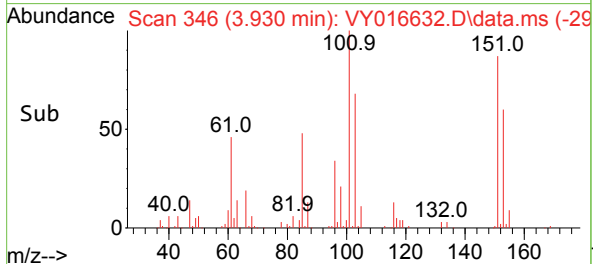
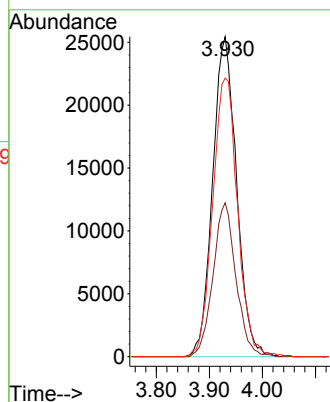
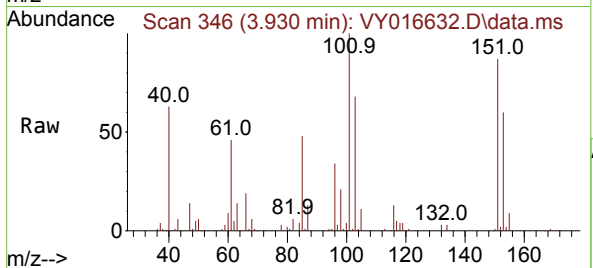




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 45.812 ug/l  
RT: 3.930 min Scan# 343  
Delta R.T. 0.018 min  
Lab File: VY016632.D  
Acq: 07 Dec 2023 18:23

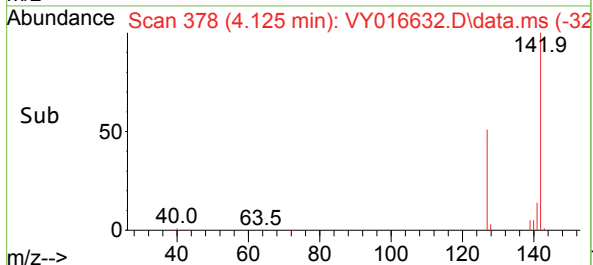
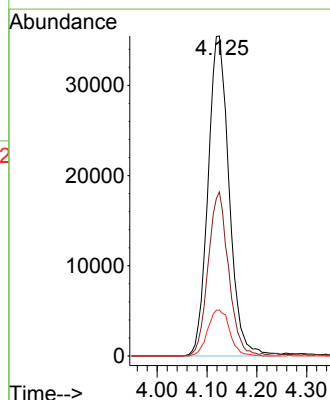
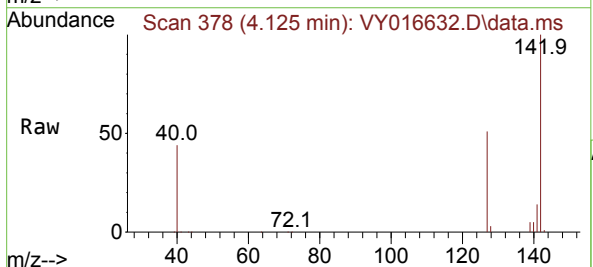
Instrument :  
MSVOA\_Y  
ClientSampleId :

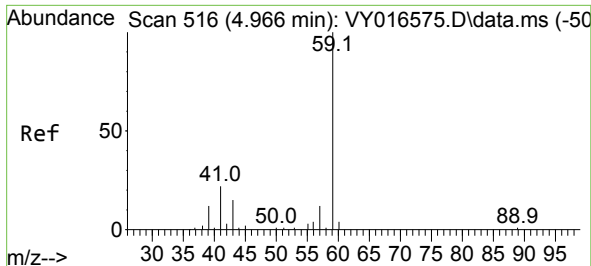
Tgt Ion:101 Resp: 79692  
Ion Ratio Lower Upper  
101 100  
85 46.1 36.6 55.0  
151 90.6 67.0 100.6



#10  
Methyl Iodide  
Concen: 56.801 ug/l  
RT: 4.125 min Scan# 378  
Delta R.T. 0.018 min  
Lab File: VY016632.D  
Acq: 07 Dec 2023 18:23

Tgt Ion:142 Resp: 104398  
Ion Ratio Lower Upper  
142 100  
127 49.7 37.6 56.4  
141 15.0 11.8 17.8





#11

Tert butyl alcohol

Concen: 232.601 ug/l

RT: 4.991 min Scan# 51

Delta R.T. 0.024 min

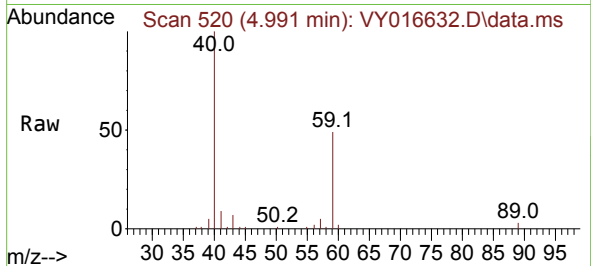
Lab File: VY016632.D

Acq: 07 Dec 2023 18:23

Instrument :

MSVOA\_Y

ClientSampleId :

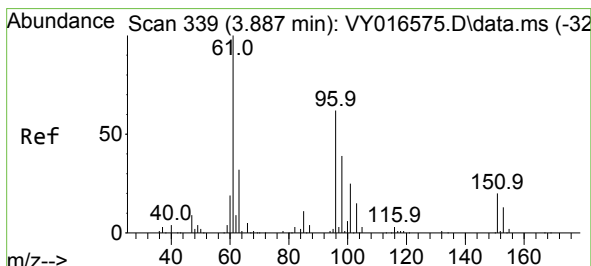
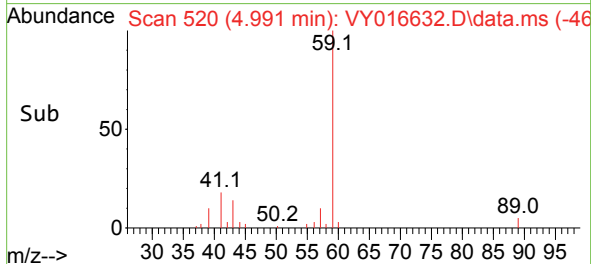
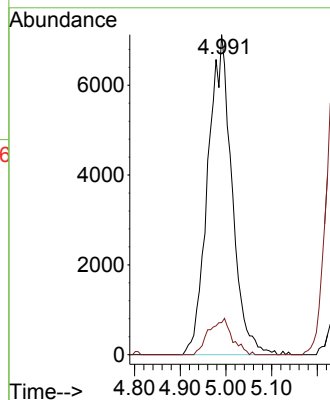


Tgt Ion: 59 Resp: 26046

Ion Ratio Lower Upper

59 100

57 10.9 3.0 4.4#



#12

1,1-Dichloroethene

Concen: 48.584 ug/l

RT: 3.899 min Scan# 341

Delta R.T. 0.012 min

Lab File: VY016632.D

Acq: 07 Dec 2023 18:23

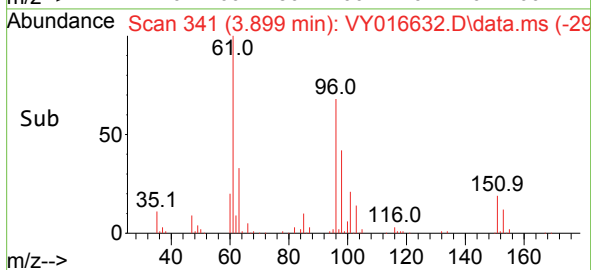
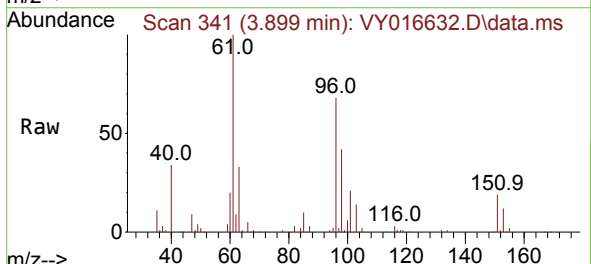
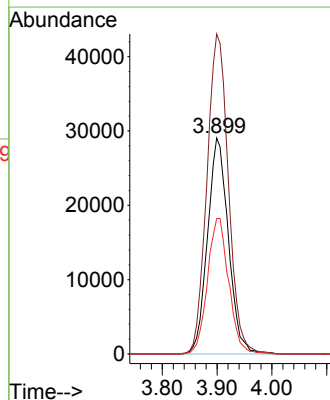
Tgt Ion: 96 Resp: 76774

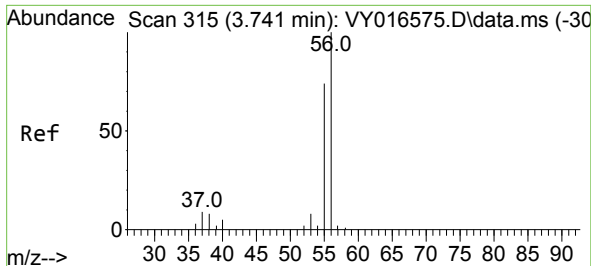
Ion Ratio Lower Upper

96 100

61 148.1 136.4 204.6

98 62.6 49.4 74.2





#13

Acrolein

Concen: 249.481 ug/l

RT: 3.753 min Scan# 315

Delta R.T. 0.012 min

Lab File: VY016632.D

Acq: 07 Dec 2023 18:23

Instrument :

MSVOA\_Y

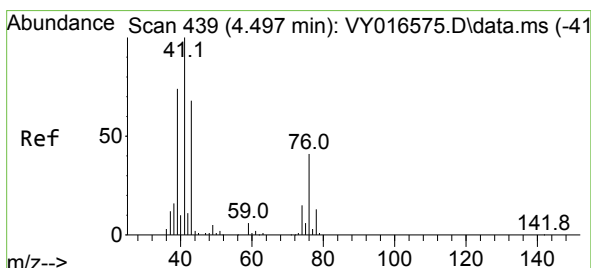
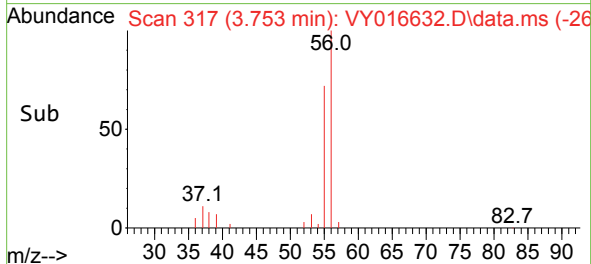
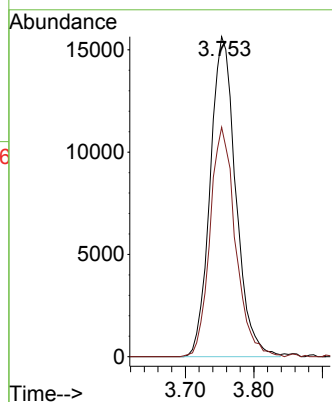
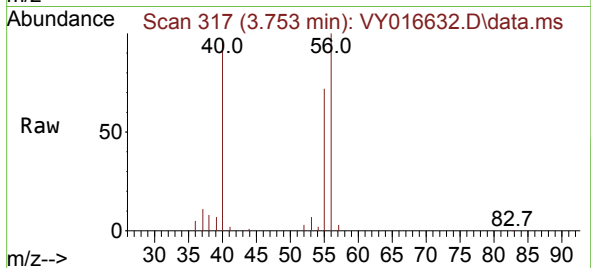
ClientSampleId :

Tgt Ion: 56 Resp: 40614

Ion Ratio Lower Upper

56 100

55 71.2 57.0 85.4



#14

Allyl chloride

Concen: 43.051 ug/l

RT: 4.515 min Scan# 442

Delta R.T. 0.018 min

Lab File: VY016632.D

Acq: 07 Dec 2023 18:23

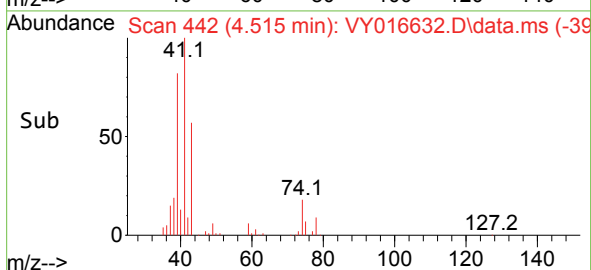
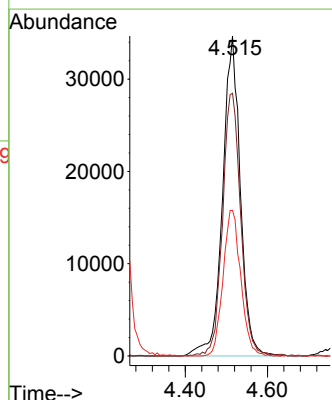
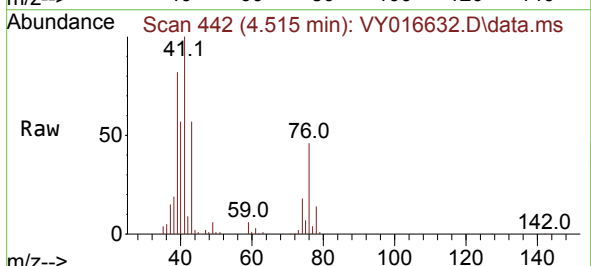
Tgt Ion: 41 Resp: 103822

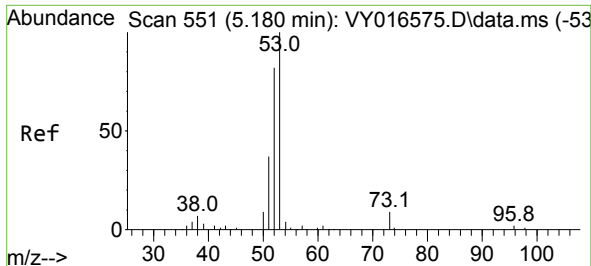
Ion Ratio Lower Upper

41 100

39 84.4 58.0 87.0

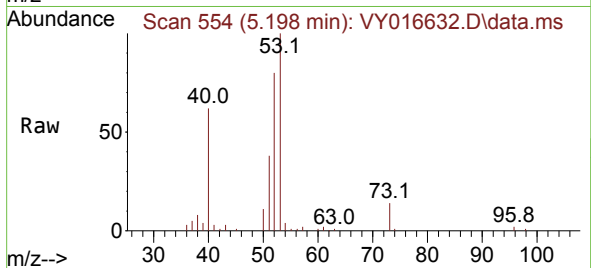
76 45.5 27.4 41.2#



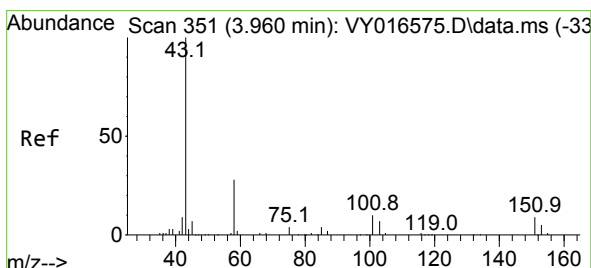
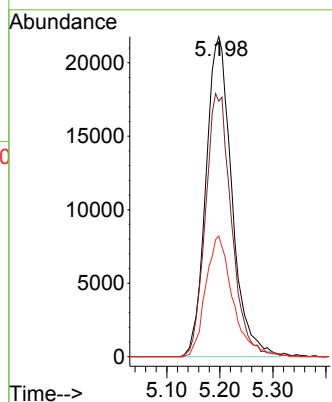
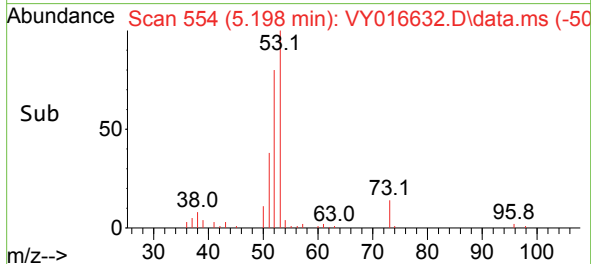


#15  
Acrylonitrile  
Concen: 211.761 ug/l  
RT: 5.198 min Scan# 51  
Delta R.T. 0.018 min  
Lab File: VY016632.D  
Acq: 07 Dec 2023 18:23

Instrument :  
MSVOA\_Y  
ClientSampleId :

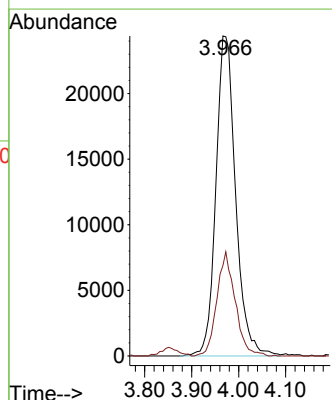
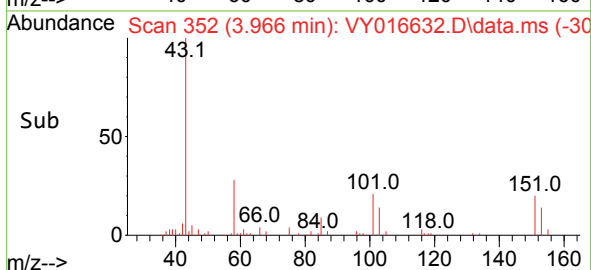
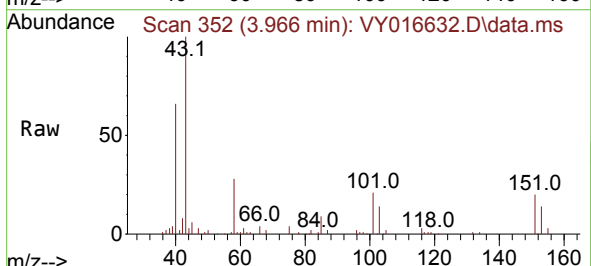


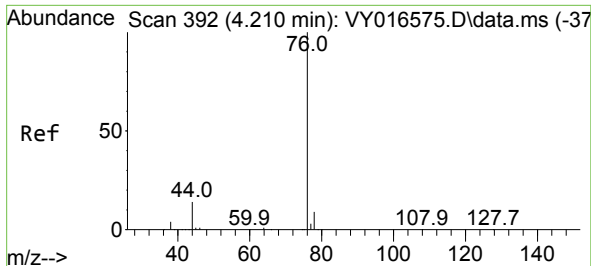
|             |                 |
|-------------|-----------------|
| Tgt Ion: 53 | Resp: 74047     |
| Ion Ratio   | Lower Upper     |
| 53          | 100             |
| 52          | 82.6 66.9 100.3 |
| 51          | 39.5 29.8 44.6  |



#16  
Acetone  
Concen: 191.209 ug/l  
RT: 3.966 min Scan# 352  
Delta R.T. 0.006 min  
Lab File: VY016632.D  
Acq: 07 Dec 2023 18:23

|             |                |
|-------------|----------------|
| Tgt Ion: 43 | Resp: 71111    |
| Ion Ratio   | Lower Upper    |
| 43          | 100            |
| 58          | 28.2 22.7 34.1 |

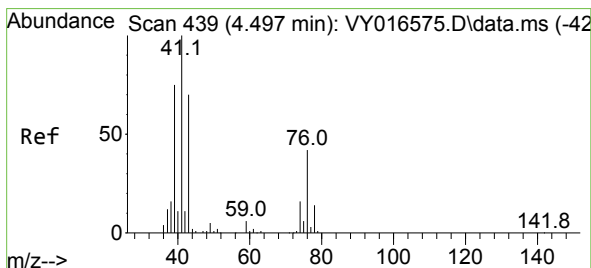
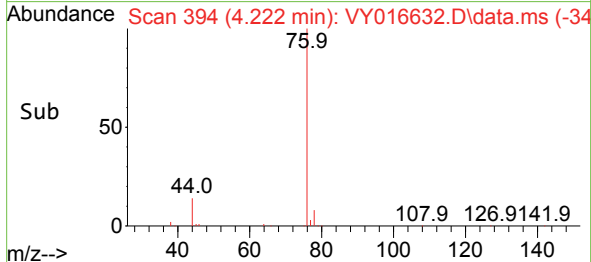
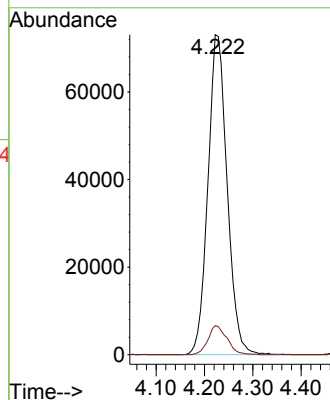
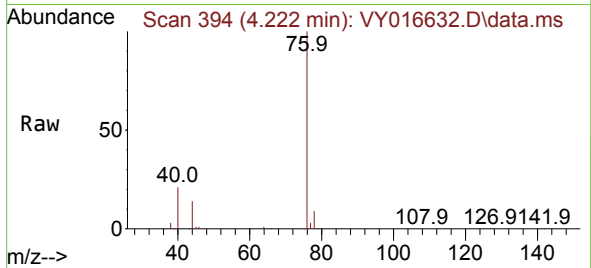




#17  
Carbon Disulfide  
Concen: 45.529 ug/l  
RT: 4.222 min Scan# 394  
Delta R.T. 0.012 min  
Lab File: VY016632.D  
Acq: 07 Dec 2023 18:23

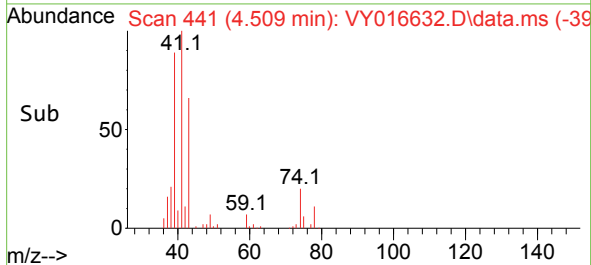
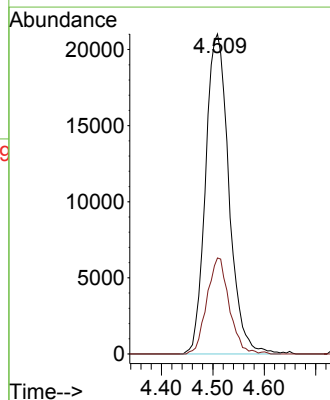
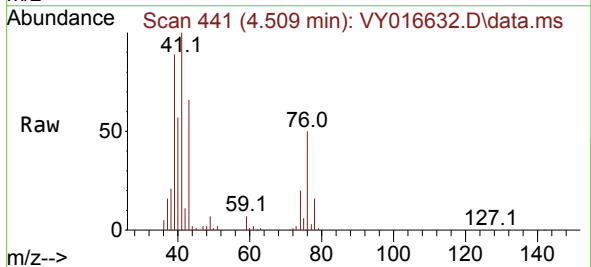
Instrument :  
MSVOA\_Y  
ClientSampleId :

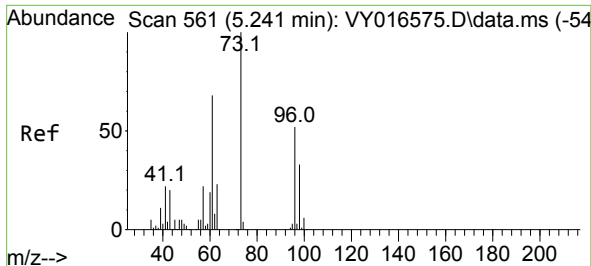
Tgt Ion: 76 Resp: 201712  
Ion Ratio Lower Upper  
76 100  
78 9.1 7.0 10.4



#18  
Methyl Acetate  
Concen: 44.911 ug/l  
RT: 4.509 min Scan# 441  
Delta R.T. 0.012 min  
Lab File: VY016632.D  
Acq: 07 Dec 2023 18:23

Tgt Ion: 43 Resp: 66206  
Ion Ratio Lower Upper  
43 100  
74 28.7 17.4 26.0#

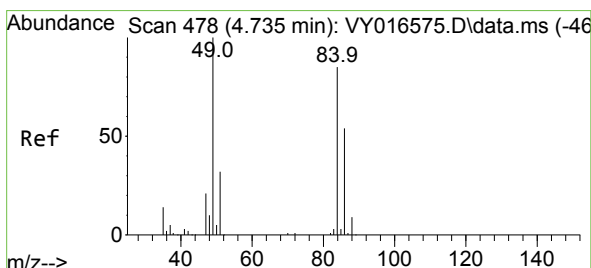
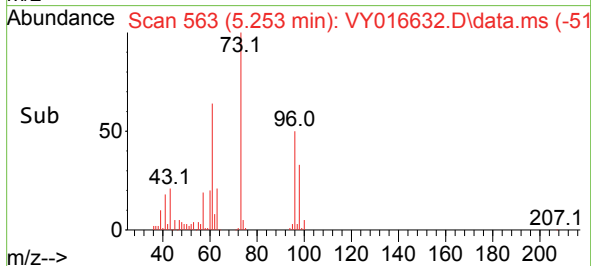
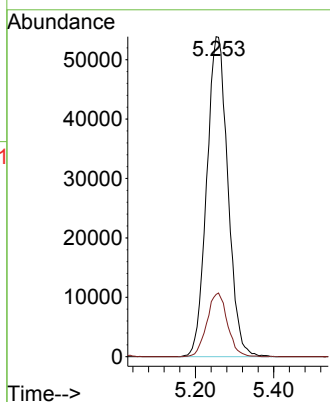
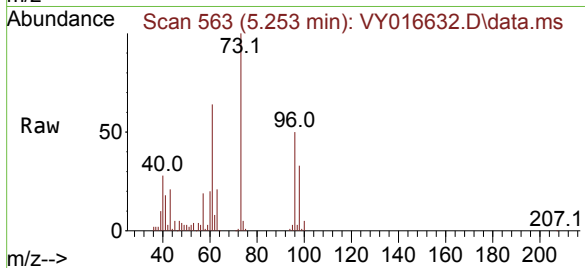




#19  
Methyl tert-butyl Ether  
Concen: 51.916 ug/l  
RT: 5.253 min Scan# 501  
Delta R.T. 0.012 min  
Lab File: VY016632.D  
Acq: 07 Dec 2023 18:23

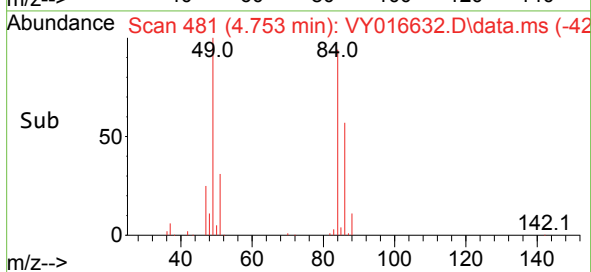
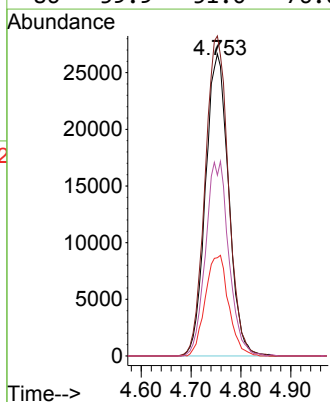
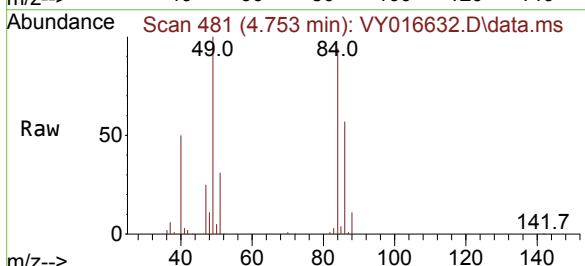
Instrument :  
MSVOA\_Y  
ClientSampleId :

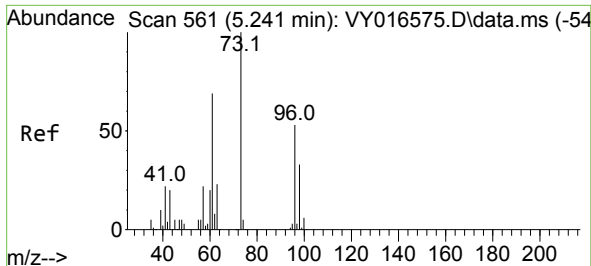
Tgt Ion: 73 Resp: 201669  
Ion Ratio Lower Upper  
73 100  
57 19.4 17.3 25.9



#20  
Methylene Chloride  
Concen: 52.405 ug/l  
RT: 4.753 min Scan# 481  
Delta R.T. 0.018 min  
Lab File: VY016632.D  
Acq: 07 Dec 2023 18:23

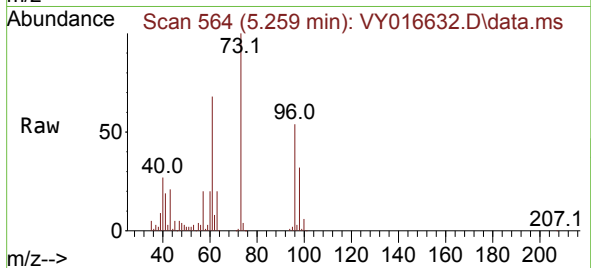
Tgt Ion: 84 Resp: 85655  
Ion Ratio Lower Upper  
84 100  
49 106.0 106.9 160.3#  
51 32.6 33.2 49.8#  
86 59.9 51.0 76.6



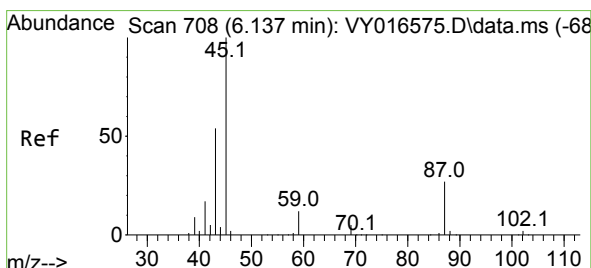
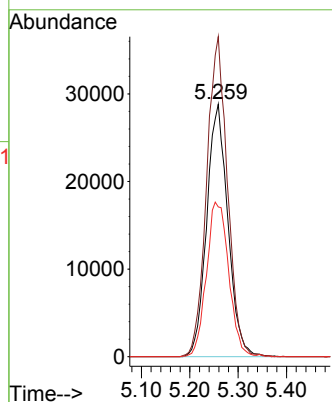
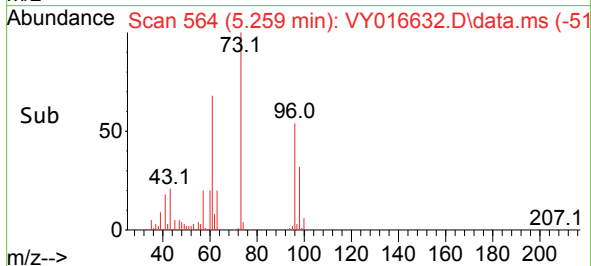


#21  
trans-1,2-Dichloroethene  
Concen: 49.365 ug/l  
RT: 5.259 min Scan# 50  
Delta R.T. 0.018 min  
Lab File: VY016632.D  
Acq: 07 Dec 2023 18:23

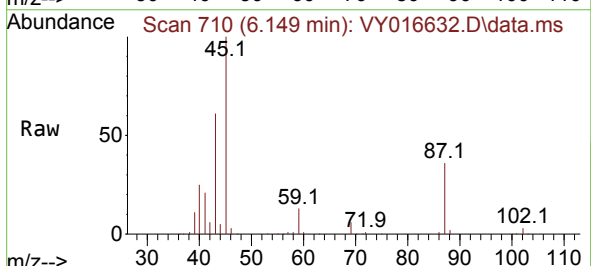
Instrument :  
MSVOA\_Y  
ClientSampleId :



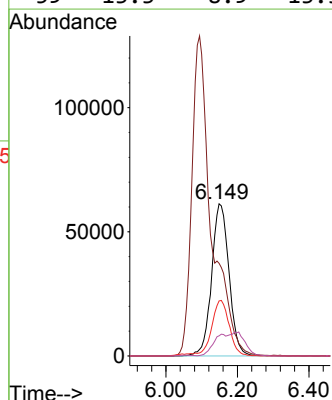
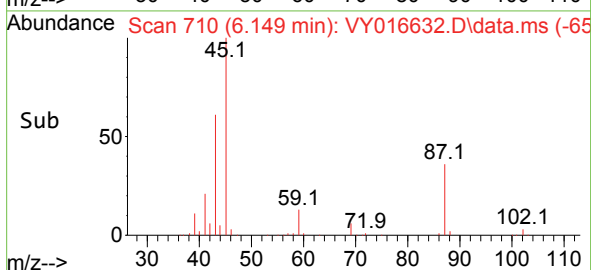
Tgt Ion: 96 Resp: 87723  
Ion Ratio Lower Upper  
96 100  
61 126.8 110.2 165.4  
98 59.3 51.8 77.6

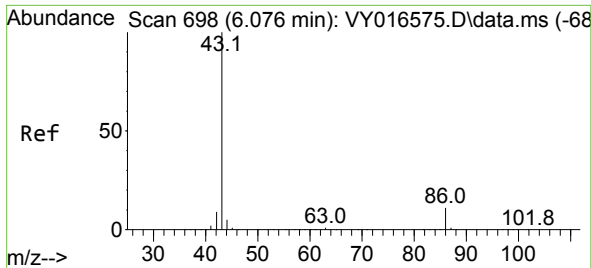


#22  
Diisopropyl ether  
Concen: 41.776 ug/l  
RT: 6.149 min Scan# 710  
Delta R.T. 0.012 min  
Lab File: VY016632.D  
Acq: 07 Dec 2023 18:23



Tgt Ion: 45 Resp: 207200  
Ion Ratio Lower Upper  
45 100  
43 60.4 52.2 78.4  
87 36.2 21.0 31.6#  
59 13.3 8.9 13.3





#23

Vinyl Acetate

Concen: 206.155 ug/l

RT: 6.094 min Scan# 701

Delta R.T. 0.018 min

Lab File: VY016632.D

Acq: 07 Dec 2023 18:23

Instrument :

MSVOA\_Y

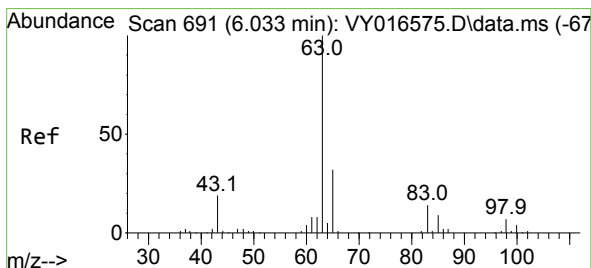
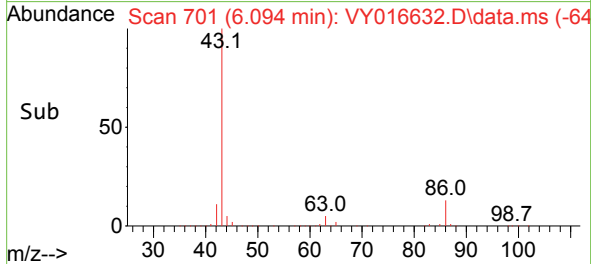
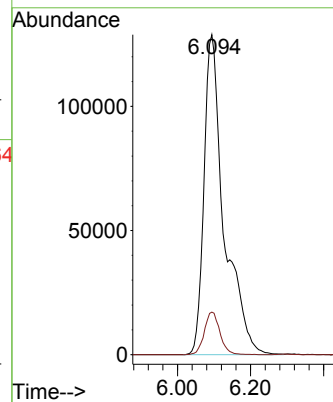
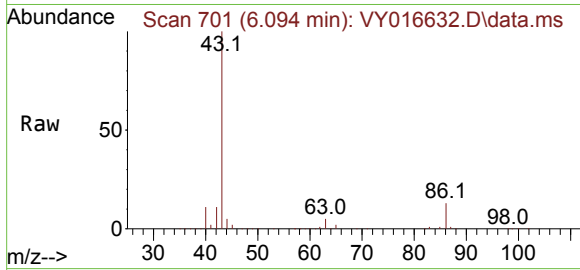
ClientSampleId :

Tgt Ion: 43 Resp: 490853

Ion Ratio Lower Upper

43 100

86 13.2 7.5 11.3#



#24

1,1-Dichloroethane

Concen: 45.390 ug/l

RT: 6.051 min Scan# 694

Delta R.T. 0.018 min

Lab File: VY016632.D

Acq: 07 Dec 2023 18:23

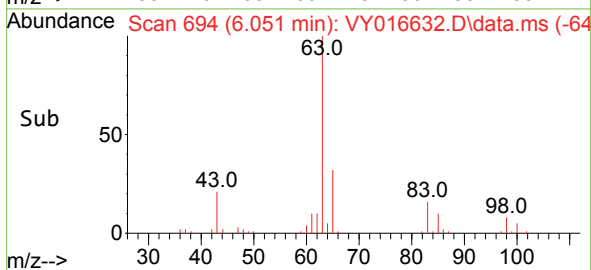
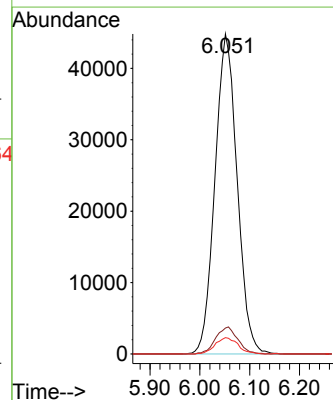
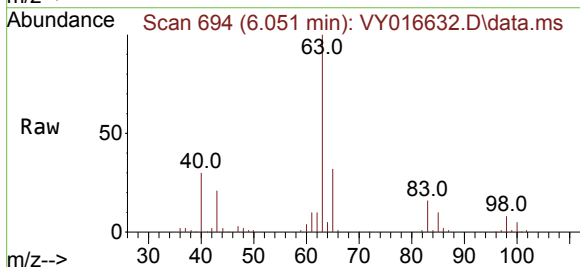
Tgt Ion: 63 Resp: 138307

Ion Ratio Lower Upper

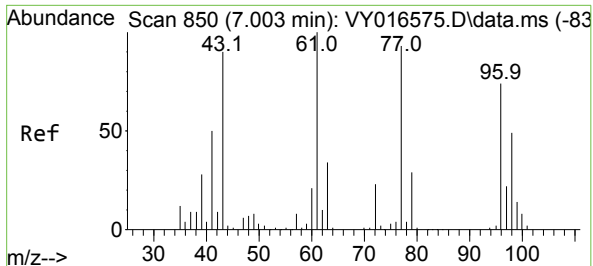
63 100

98 8.1 3.1 9.4

100 5.1 1.8 5.5







#25

2-Butanone

Concen: 178.455 ug/l

RT: 7.015 min Scan# 852

Delta R.T. 0.012 min

Lab File: VY016632.D

Acq: 07 Dec 2023 18:23

Instrument :

MSVOA\_Y

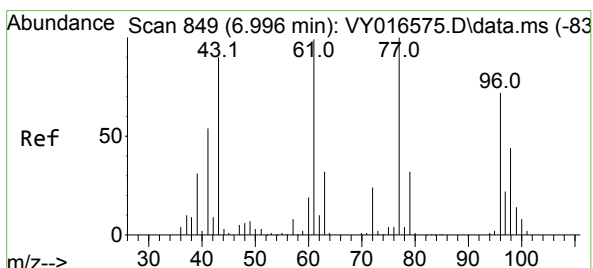
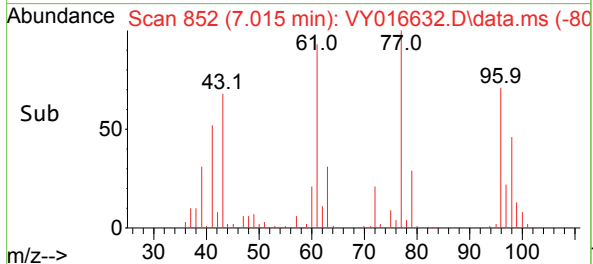
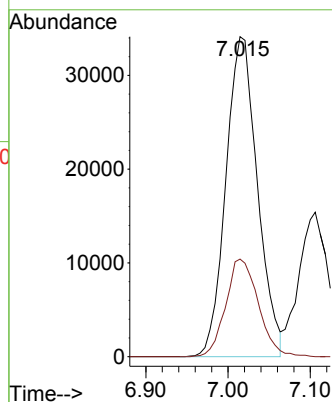
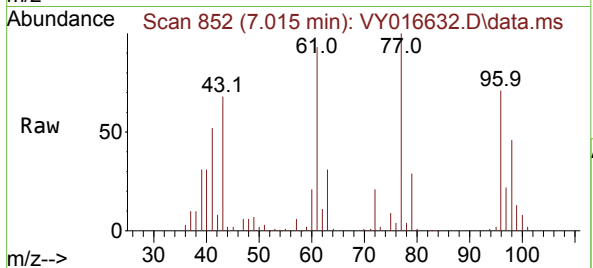
ClientSampleId :

Tgt Ion: 43 Resp: 91261

Ion Ratio Lower Upper

43 100

72 30.5 20.5 30.7



#26

2,2-Dichloropropane

Concen: 52.524 ug/l

RT: 7.015 min Scan# 852

Delta R.T. 0.018 min

Lab File: VY016632.D

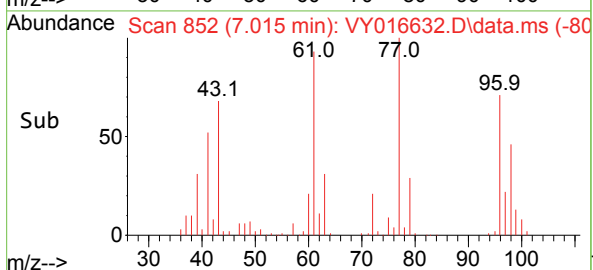
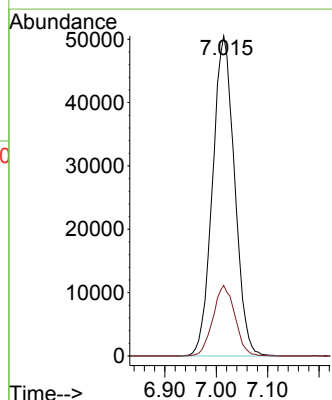
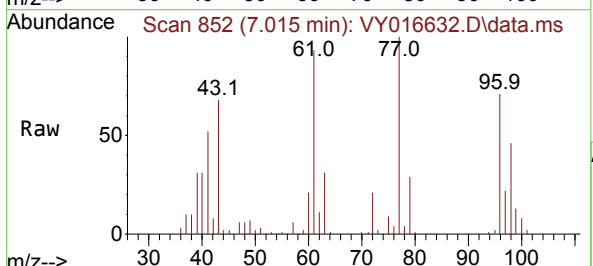
Acq: 07 Dec 2023 18:23

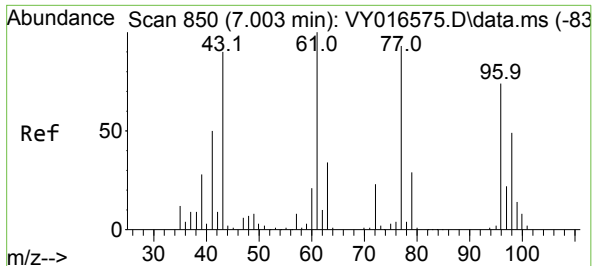
Tgt Ion: 77 Resp: 150459

Ion Ratio Lower Upper

77 100

97 22.0 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 50.607 ug/l

RT: 7.021 min Scan# 853

Delta R.T. 0.018 min

Lab File: VY016632.D

Acq: 07 Dec 2023 18:23

Instrument :

MSVOA\_Y

ClientSampleId :

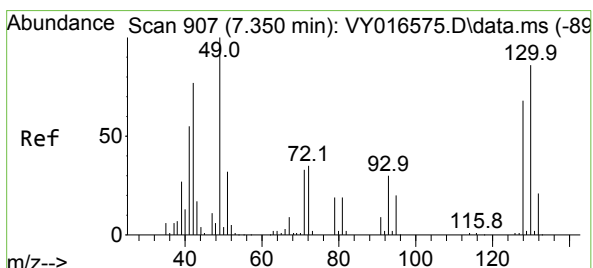
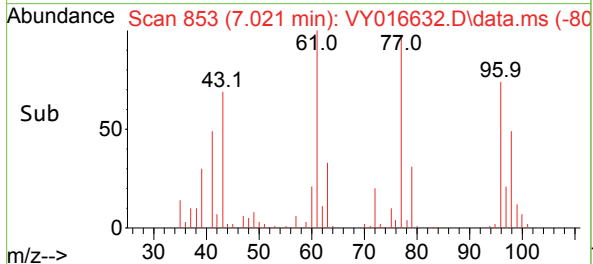
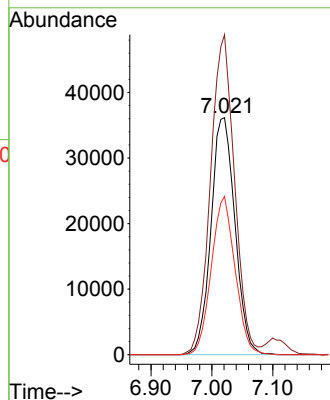
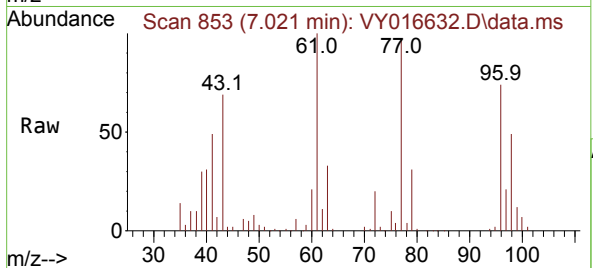
Tgt Ion: 96 Resp: 98991

Ion Ratio Lower Upper

96 100

61 135.1 0.0 301.4

98 65.9 0.0 130.4



#28

Bromochloromethane

Concen: 40.911 ug/l

RT: 7.362 min Scan# 909

Delta R.T. 0.012 min

Lab File: VY016632.D

Acq: 07 Dec 2023 18:23

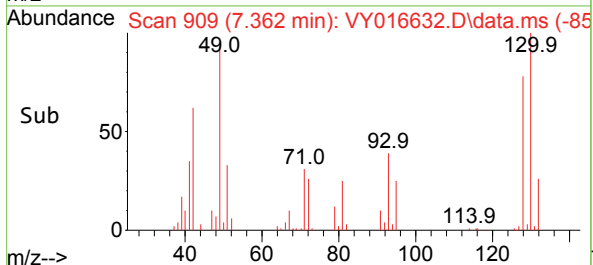
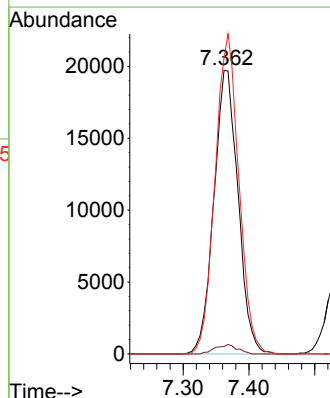
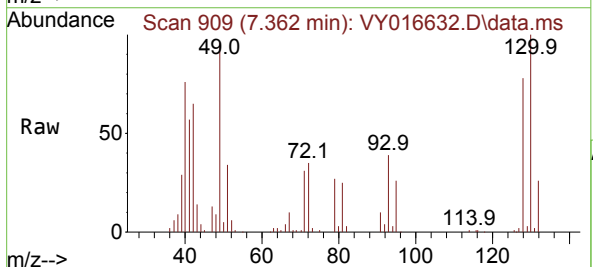
Tgt Ion: 49 Resp: 50493

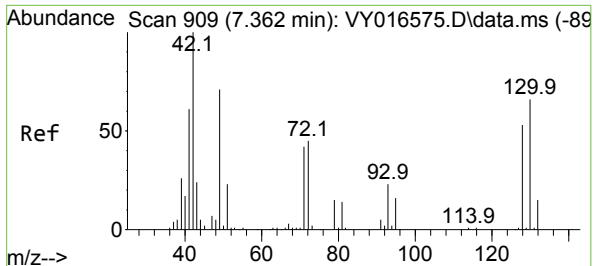
Ion Ratio Lower Upper

49 100

129 3.0 0.0 4.6

130 110.9 60.7 91.1#





#29

Tetrahydrofuran

Concen: 187.925 ug/l

RT: 7.374 min Scan# 911

Delta R.T. 0.012 min

Lab File: VY016632.D

Acq: 07 Dec 2023 18:23

Instrument :

MSVOA\_Y

ClientSampleId :

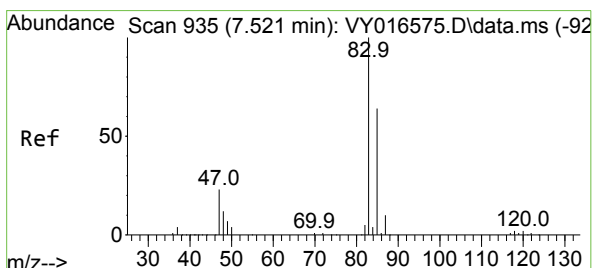
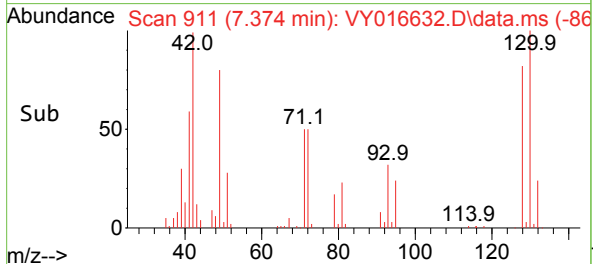
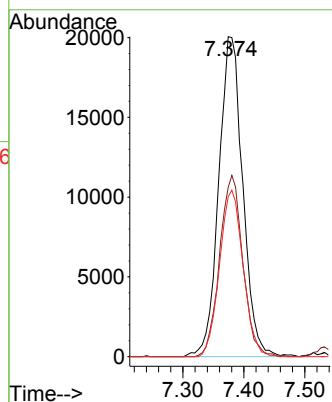
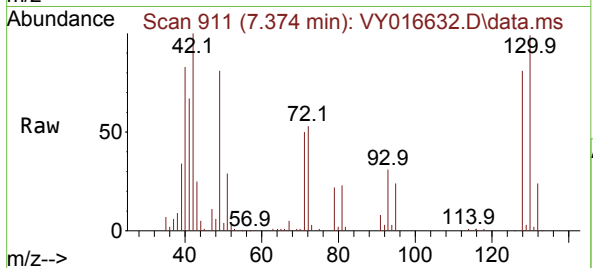
Tgt Ion: 42 Resp: 54792

Ion Ratio Lower Upper

42 100

72 54.5 32.8 49.2#

71 51.1 31.0 46.4#



#30

Chloroform

Concen: 51.994 ug/l

RT: 7.539 min Scan# 938

Delta R.T. 0.018 min

Lab File: VY016632.D

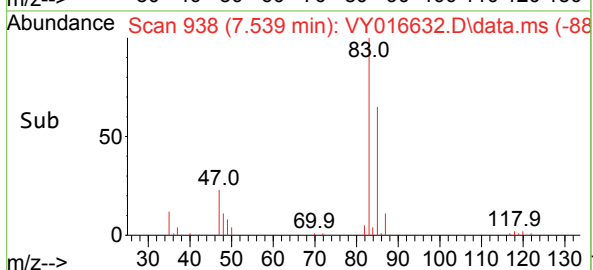
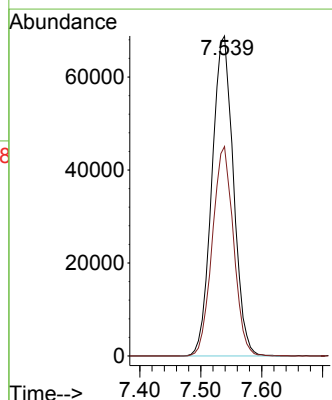
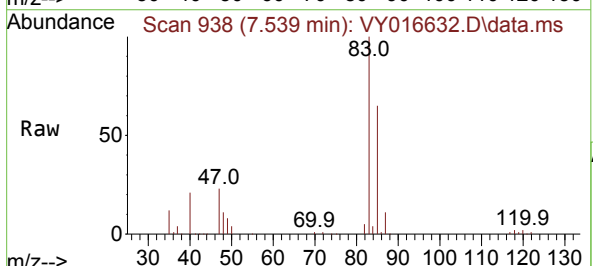
Acq: 07 Dec 2023 18:23

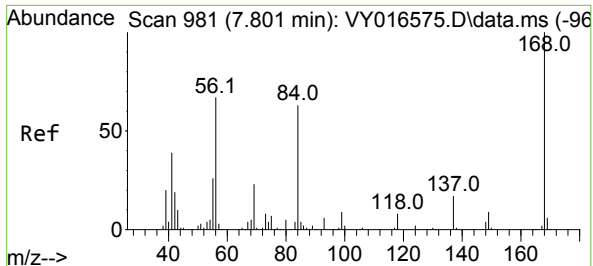
Tgt Ion: 83 Resp: 168881

Ion Ratio Lower Upper

83 100

85 65.5 49.7 74.5

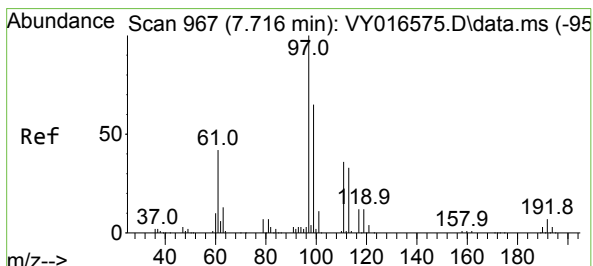
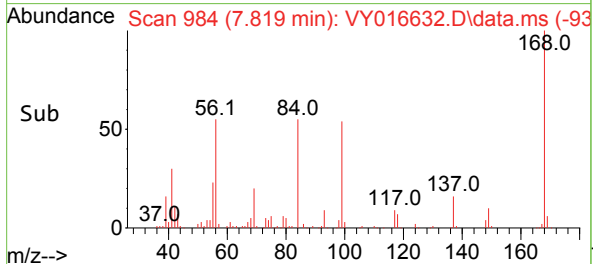
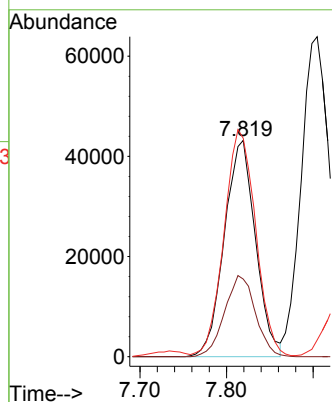
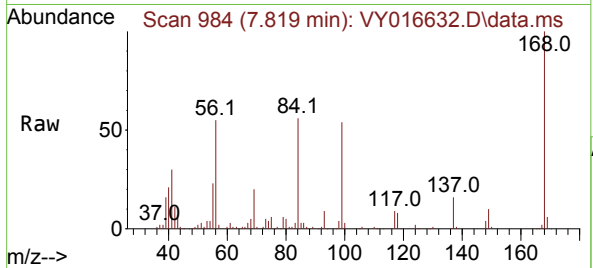




#31  
Cyclohexane  
Concen: 38.514 ug/l  
RT: 7.819 min Scan# 91  
Delta R.T. 0.018 min  
Lab File: VY016632.D  
Acq: 07 Dec 2023 18:23

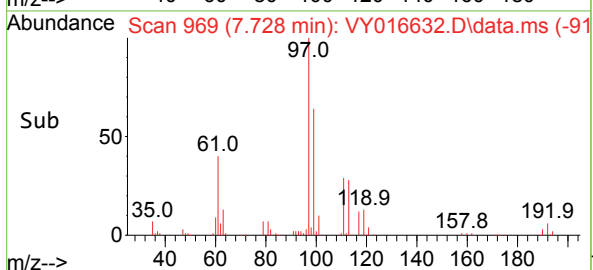
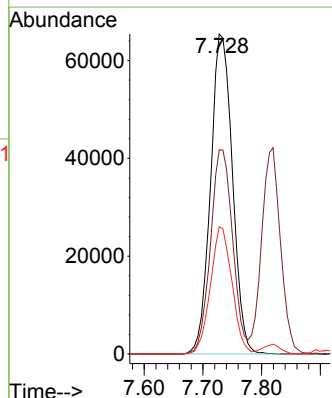
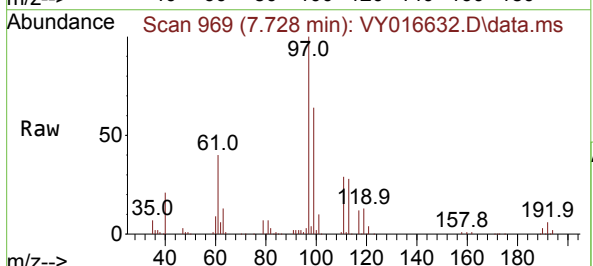
Instrument :  
MSVOA\_Y  
ClientSampleId :

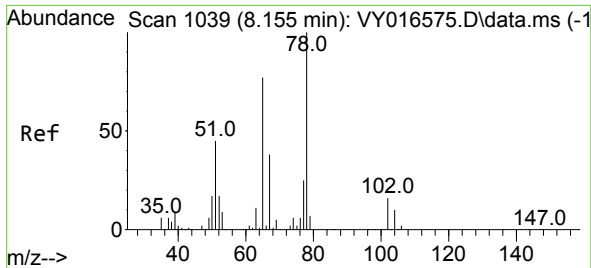
Tgt Ion: 56 Resp: 108057  
Ion Ratio Lower Upper  
56 100  
69 35.9 27.8 41.6  
84 98.8 66.4 99.6



#32  
1,1,1-Trichloroethane  
Concen: 55.092 ug/l  
RT: 7.728 min Scan# 969  
Delta R.T. 0.012 min  
Lab File: VY016632.D  
Acq: 07 Dec 2023 18:23

Tgt Ion: 97 Resp: 169350  
Ion Ratio Lower Upper  
97 100  
99 64.8 50.8 76.2  
61 39.1 35.1 52.7

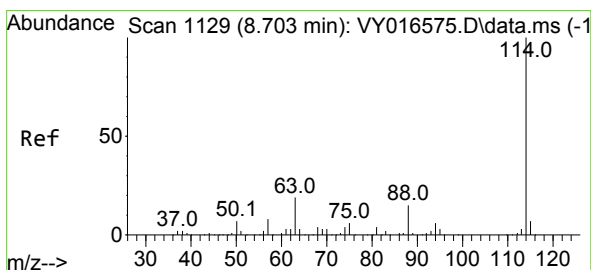
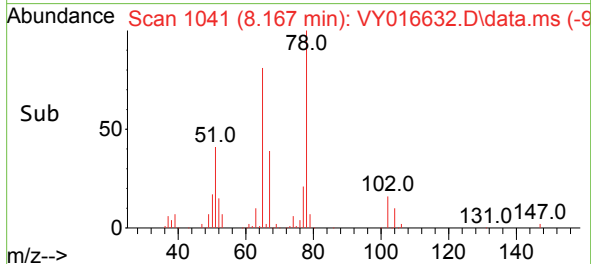
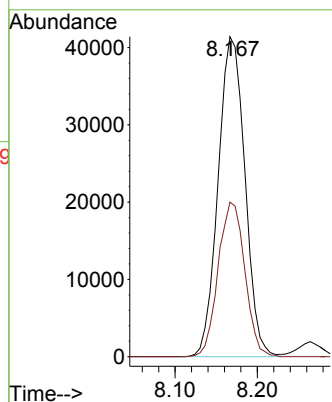
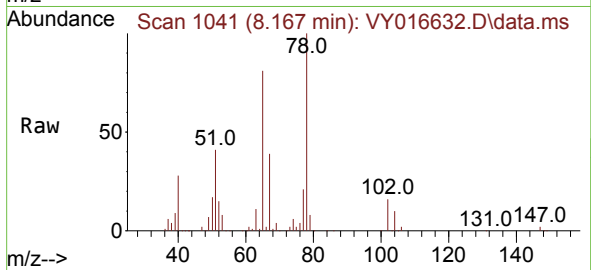




#33  
 1,2-Dichloroethane-d4  
 Concen: 57.011 ug/l  
 RT: 8.167 min Scan# 1103  
 Delta R.T. 0.012 min  
 Lab File: VY016632.D  
 Acq: 07 Dec 2023 18:23

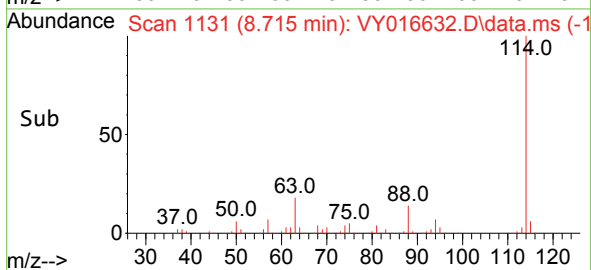
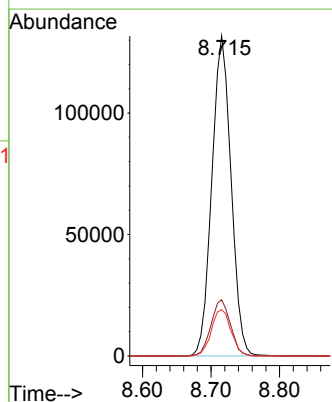
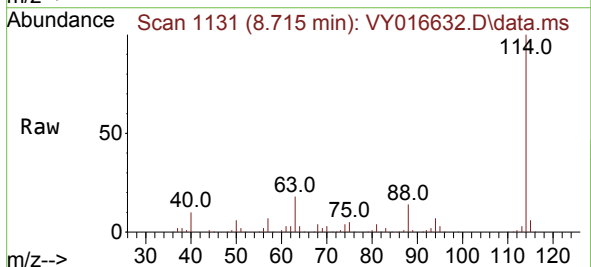
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

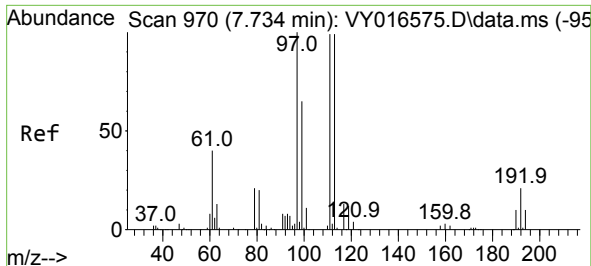
Tgt Ion: 65 Resp: 93696  
 Ion Ratio Lower Upper  
 65 100  
 67 48.1 0.0 101.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.715 min Scan# 1131  
 Delta R.T. 0.012 min  
 Lab File: VY016632.D  
 Acq: 07 Dec 2023 18:23

Tgt Ion: 114 Resp: 256042  
 Ion Ratio Lower Upper  
 114 100  
 63 17.6 0.0 42.4  
 88 14.5 0.0 30.6

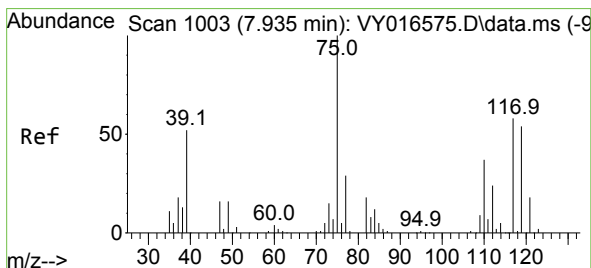
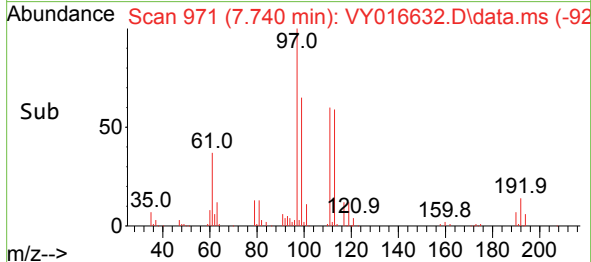
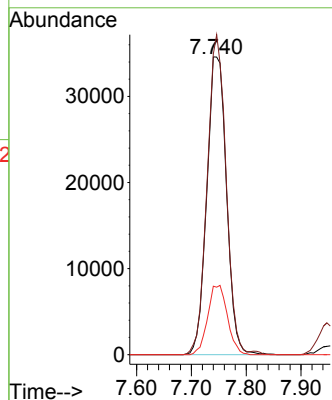
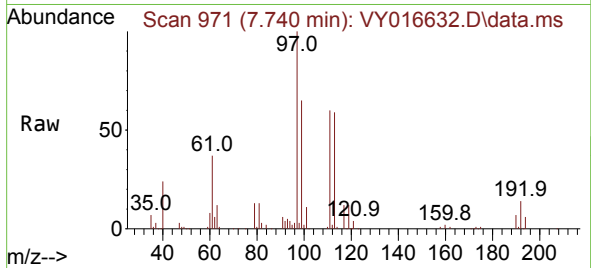




#35  
Dibromofluoromethane  
Concen: 55.930 ug/l  
RT: 7.740 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY016632.D  
Acq: 07 Dec 2023 18:23

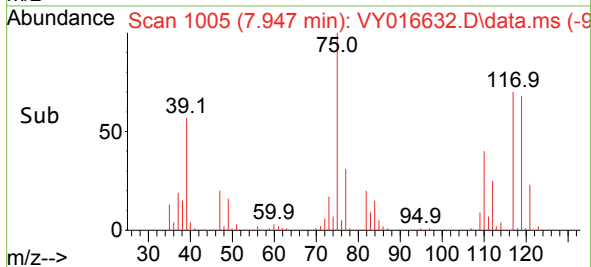
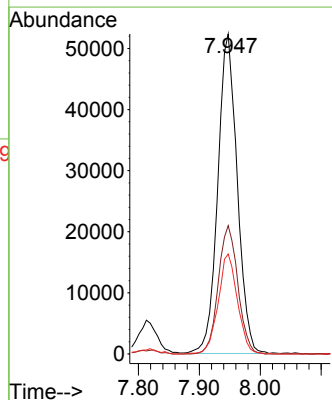
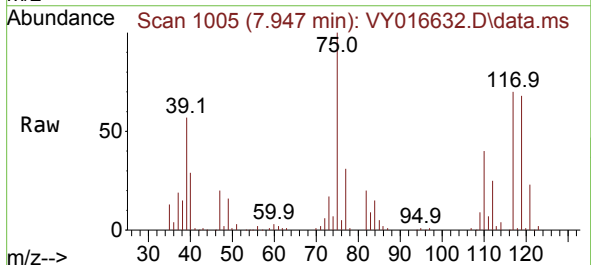
Instrument :  
MSVOA\_Y  
ClientSampleId :

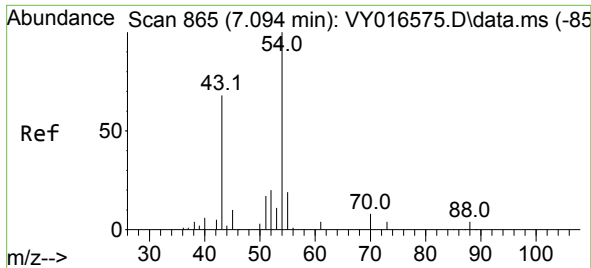
Tgt Ion:113 Resp: 86180  
Ion Ratio Lower Upper  
113 100  
111 102.8 81.3 121.9  
192 23.3 16.9 25.3



#36  
1,1-Dichloropropene  
Concen: 49.467 ug/l  
RT: 7.947 min Scan# 1005  
Delta R.T. 0.012 min  
Lab File: VY016632.D  
Acq: 07 Dec 2023 18:23

Tgt Ion: 75 Resp: 115866  
Ion Ratio Lower Upper  
75 100  
110 40.5 17.8 53.5  
77 31.1 24.4 36.6

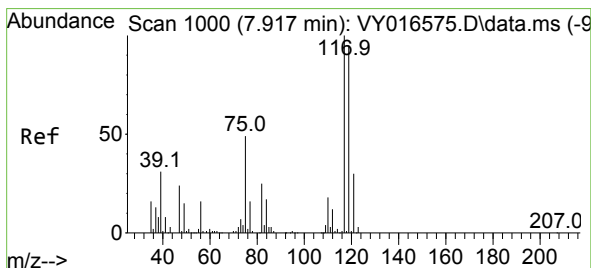
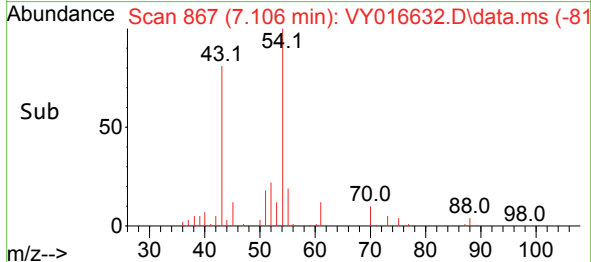
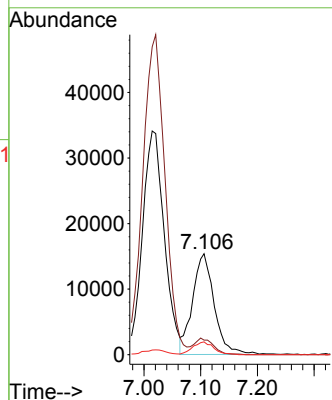
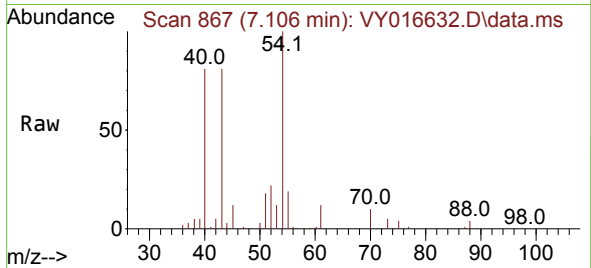




#37  
Ethyl Acetate  
Concen: 41.587 ug/l  
RT: 7.106 min Scan# 80  
Delta R.T. 0.012 min  
Lab File: VY016632.D  
Acq: 07 Dec 2023 18:23

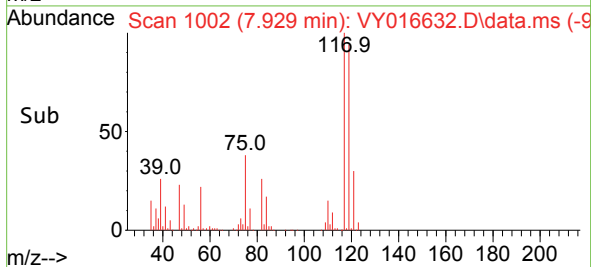
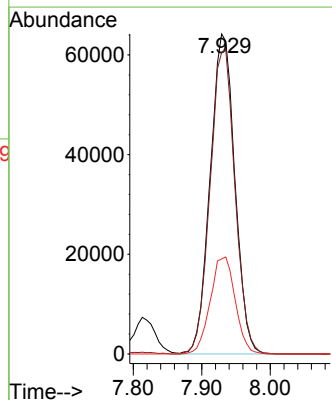
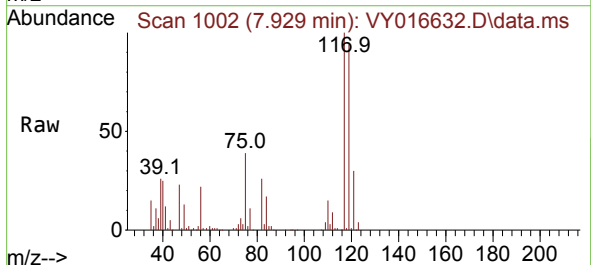
Instrument :  
MSVOA\_Y  
ClientSampleId :

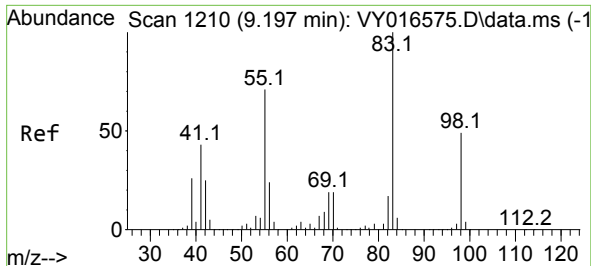
Tgt Ion: 43 Resp: 40760  
Ion Ratio Lower Upper  
43 100  
61 15.0 10.1 15.1  
70 12.3 7.1 10.7#



#38  
Carbon Tetrachloride  
Concen: 59.240 ug/l  
RT: 7.929 min Scan# 1002  
Delta R.T. 0.012 min  
Lab File: VY016632.D  
Acq: 07 Dec 2023 18:23

Tgt Ion: 117 Resp: 160634  
Ion Ratio Lower Upper  
117 100  
119 94.2 76.4 114.6  
121 29.7 25.8 38.6





#39

Methylcyclohexane

Concen: 48.873 ug/l

RT: 9.209 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY016632.D

Acq: 07 Dec 2023 18:23

Instrument :

MSVOA\_Y

ClientSampleId :

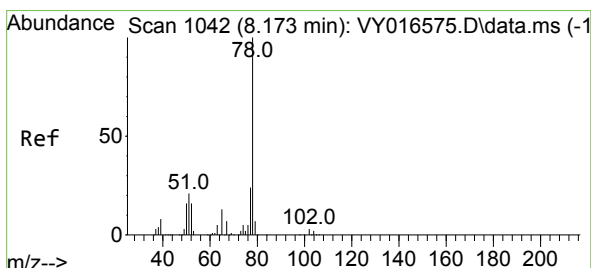
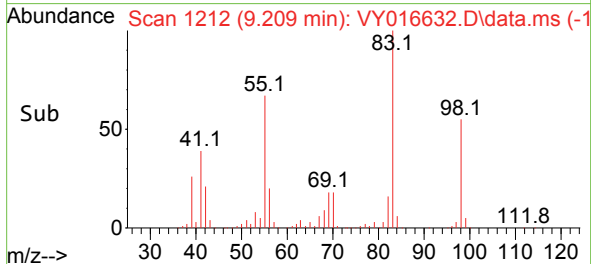
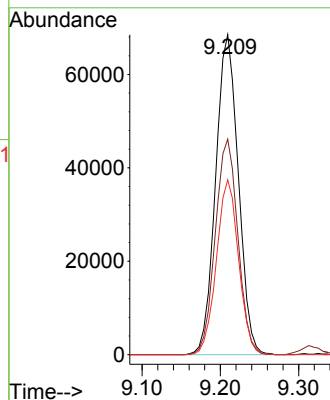
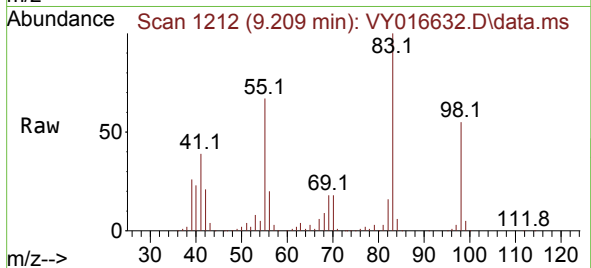
Tgt Ion: 83 Resp: 137923

Ion Ratio Lower Upper

83 100

55 67.3 63.0 94.4

98 54.7 37.4 56.2



#40

Benzene

Concen: 50.741 ug/l

RT: 8.185 min Scan# 1044

Delta R.T. 0.012 min

Lab File: VY016632.D

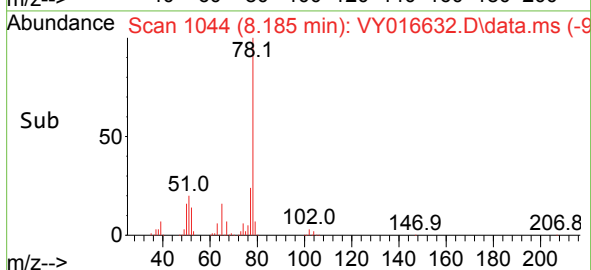
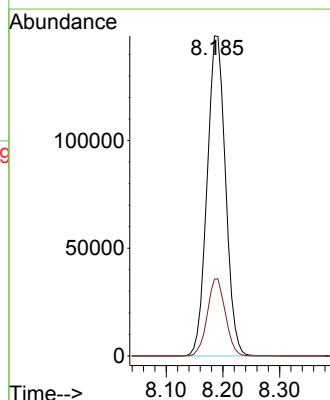
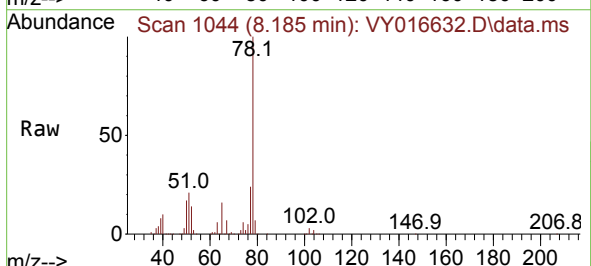
Acq: 07 Dec 2023 18:23

Tgt Ion: 78 Resp: 334992

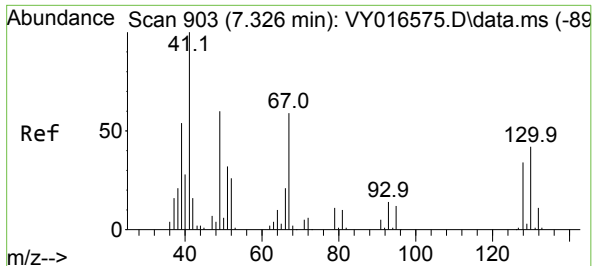
Ion Ratio Lower Upper

78 100

77 24.0 19.0 28.6



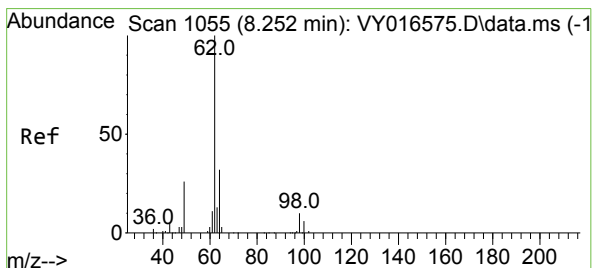
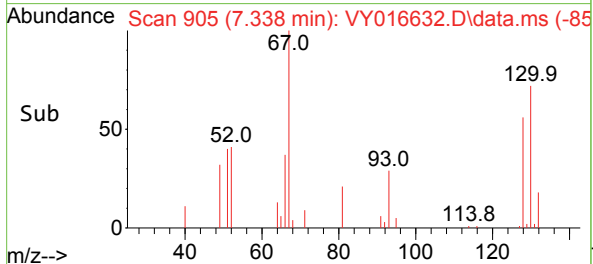
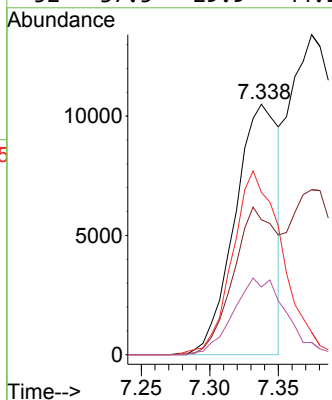
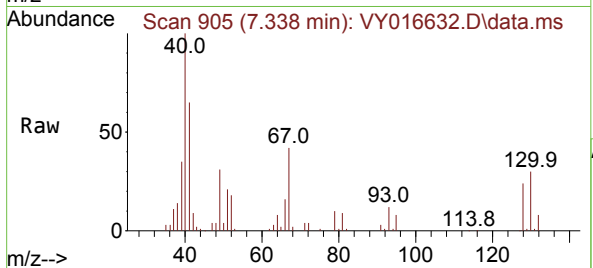




#41  
Methacrylonitrile  
Concen: 40.830 ug/l  
RT: 7.338 min Scan# 903  
Delta R.T. 0.012 min  
Lab File: VY016632.D  
Acq: 07 Dec 2023 18:23

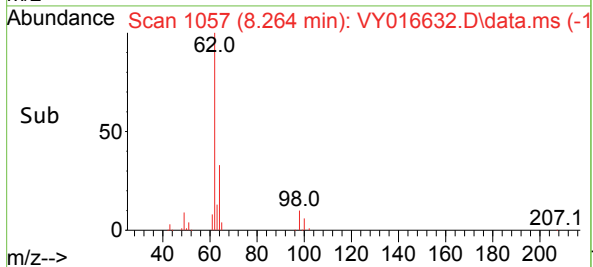
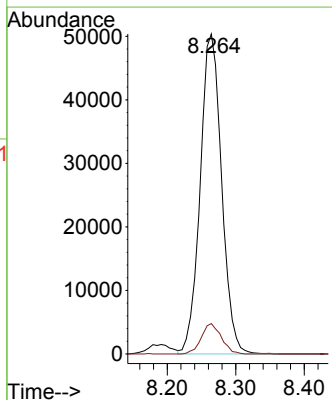
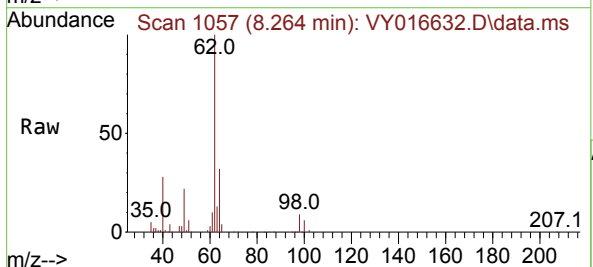
Instrument :  
MSVOA\_Y  
ClientSampleId :

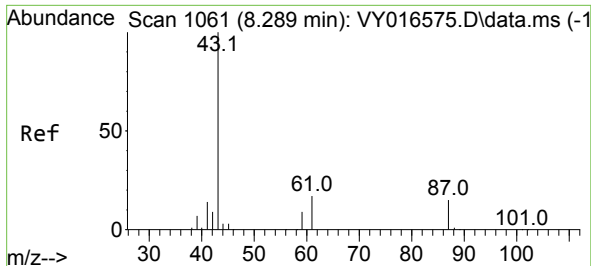
|             |             |
|-------------|-------------|
| Tgt Ion: 41 | Resp: 23112 |
| Ion Ratio   | Lower Upper |
| 41 100      |             |
| 39 58.1     | 52.1 78.1   |
| 67 85.0     | 66.2 99.2   |
| 52 37.5     | 29.9 44.9   |



#42  
1,2-Dichloroethane  
Concen: 57.213 ug/l  
RT: 8.264 min Scan# 1057  
Delta R.T. 0.012 min  
Lab File: VY016632.D  
Acq: 07 Dec 2023 18:23

|             |              |
|-------------|--------------|
| Tgt Ion: 62 | Resp: 109679 |
| Ion Ratio   | Lower Upper  |
| 62 100      |              |
| 98 8.8      | 0.0 15.8     |

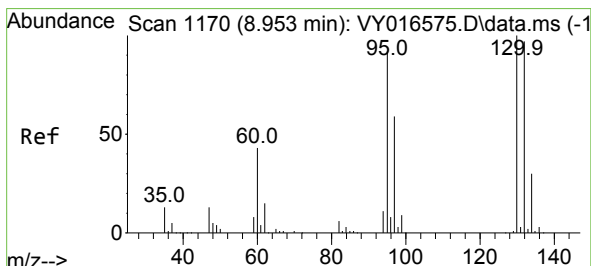
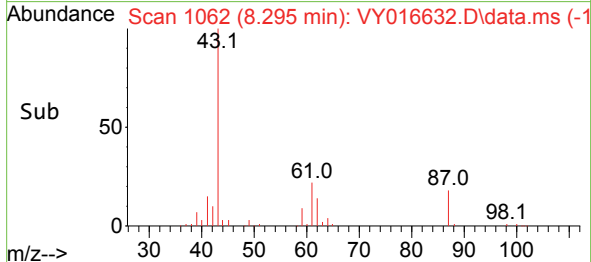
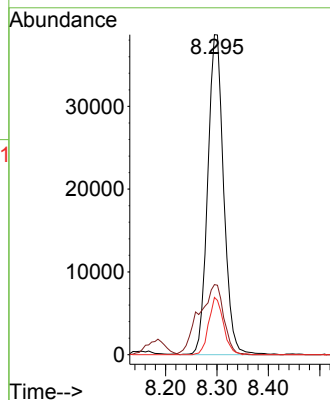
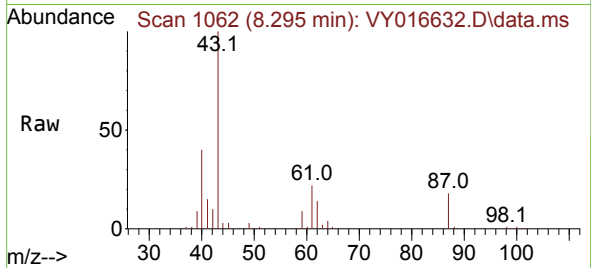




#43  
Isopropyl Acetate  
Concen: 43.996 ug/l  
RT: 8.295 min Scan# 1062  
Delta R.T. 0.006 min  
Lab File: VY016632.D  
Acq: 07 Dec 2023 18:23

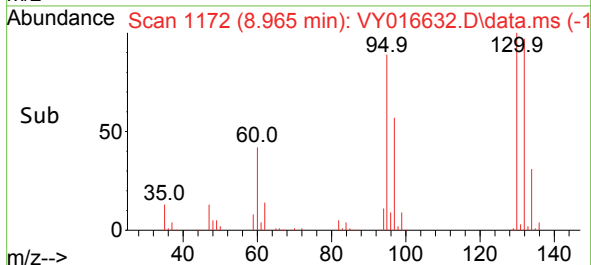
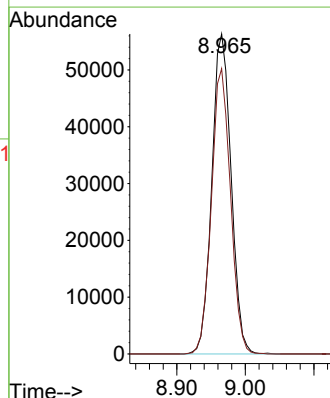
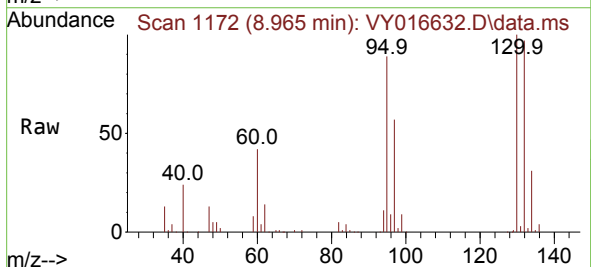
Instrument :  
MSVOA\_Y  
ClientSampleId :

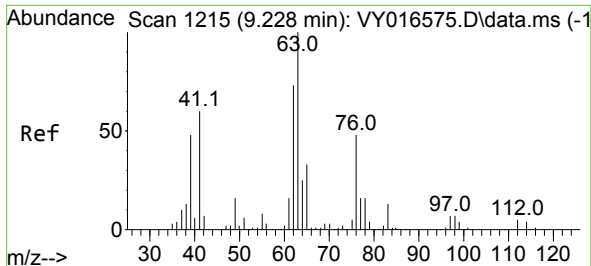
Tgt Ion: 43 Resp: 83184  
Ion Ratio Lower Upper  
43 100  
61 33.8 21.1 31.7#  
87 16.5 9.8 14.8#



#44  
Trichloroethene  
Concen: 55.329 ug/l  
RT: 8.965 min Scan# 1172  
Delta R.T. 0.012 min  
Lab File: VY016632.D  
Acq: 07 Dec 2023 18:23

Tgt Ion:130 Resp: 110160  
Ion Ratio Lower Upper  
130 100  
95 89.1 0.0 196.0

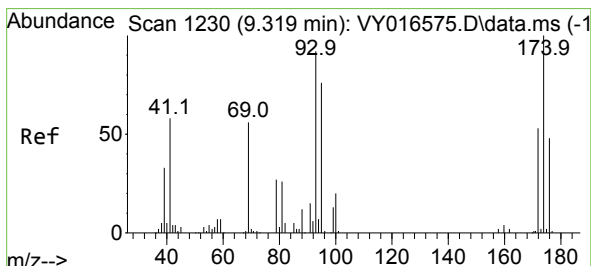
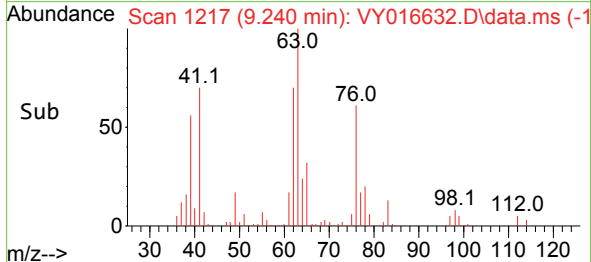
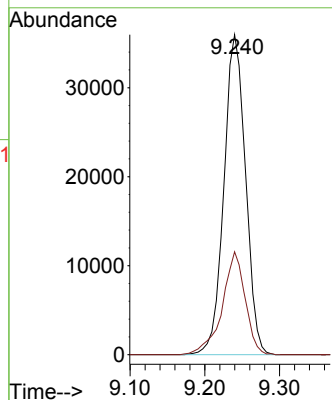
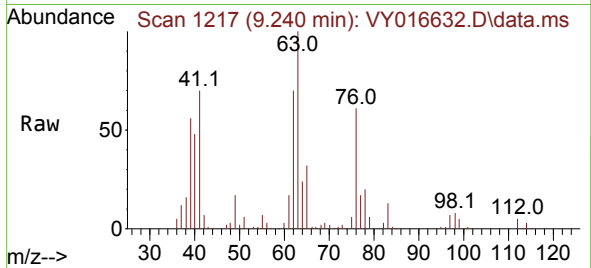




#45  
1,2-Dichloropropane  
Concen: 45.523 ug/l  
RT: 9.240 min Scan# 11  
Delta R.T. 0.012 min  
Lab File: VY016632.D  
Acq: 07 Dec 2023 18:23

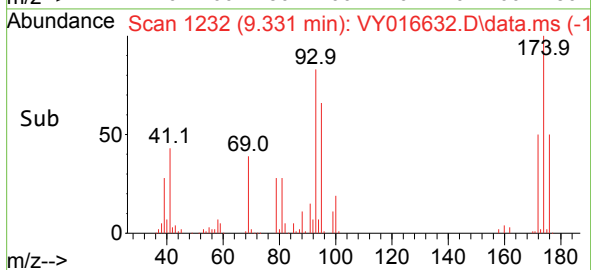
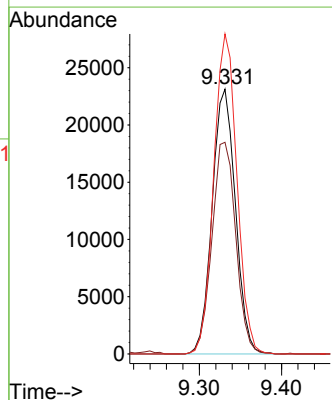
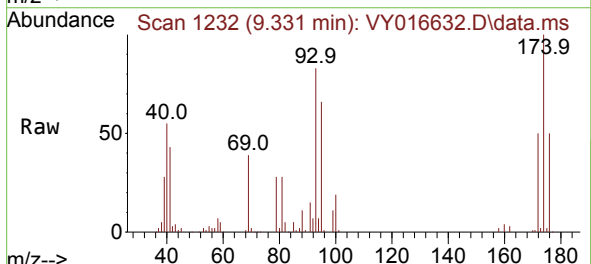
Instrument :  
MSVOA\_Y  
ClientSampleId :

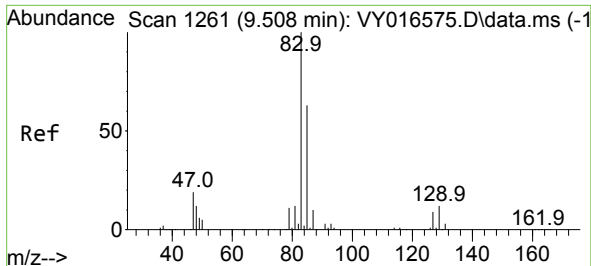
Tgt Ion: 63 Resp: 72357  
Ion Ratio Lower Upper  
63 100  
65 32.2 23.8 35.6



#46  
Dibromomethane  
Concen: 52.256 ug/l  
RT: 9.331 min Scan# 1232  
Delta R.T. 0.012 min  
Lab File: VY016632.D  
Acq: 07 Dec 2023 18:23

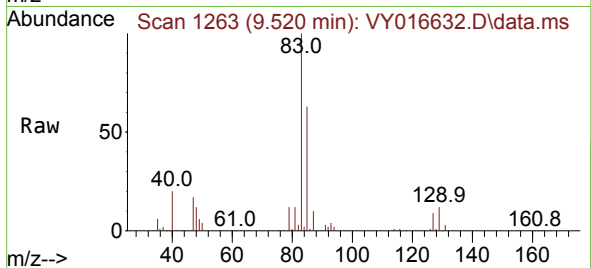
Tgt Ion: 93 Resp: 45534  
Ion Ratio Lower Upper  
93 100  
95 81.9 66.6 100.0  
174 120.1 84.8 127.2



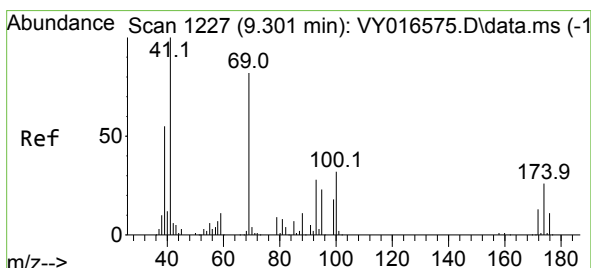
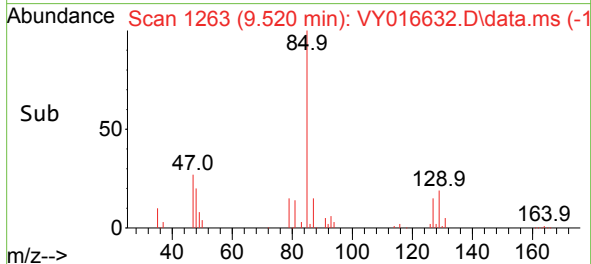
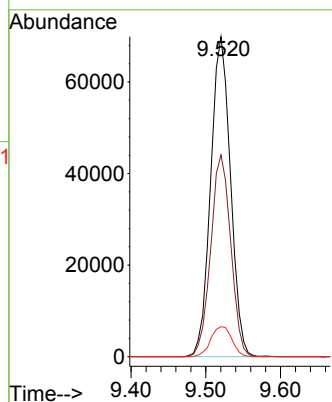


#47  
Bromodichloromethane  
Concen: 55.487 ug/l  
RT: 9.520 min Scan# 1263  
Delta R.T. 0.012 min  
Lab File: VY016632.D  
Acq: 07 Dec 2023 18:23

Instrument :  
MSVOA\_Y  
ClientSampleId :

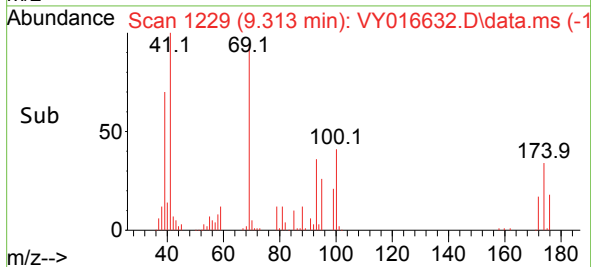
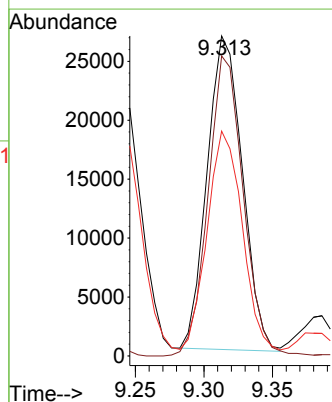
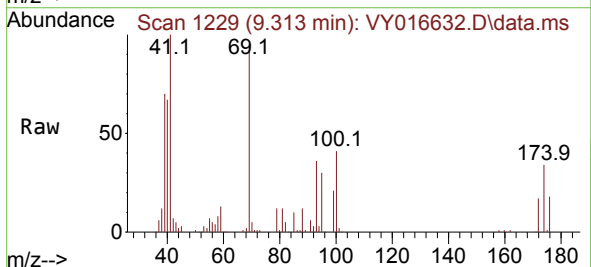


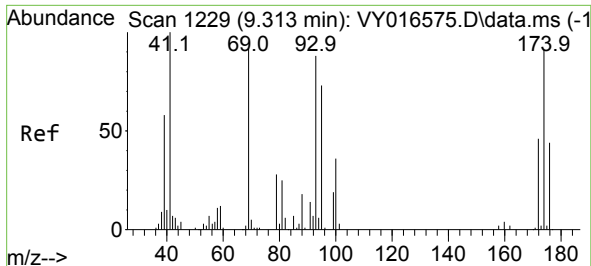
Tgt Ion: 83 Resp: 128719  
Ion Ratio Lower Upper  
83 100  
85 63.0 50.1 75.1  
127 9.3 7.1 10.7



#48  
Methyl methacrylate  
Concen: 43.624 ug/l  
RT: 9.313 min Scan# 1229  
Delta R.T. 0.012 min  
Lab File: VY016632.D  
Acq: 07 Dec 2023 18:23

Tgt Ion: 41 Resp: 47634  
Ion Ratio Lower Upper  
41 100  
69 95.8 64.5 96.7  
39 69.6 50.8 76.2





#49

1,4-Dioxane

Concen: 1040.287 ug/l

RT: 9.319 min Scan# 1229

Delta R.T. 0.006 min

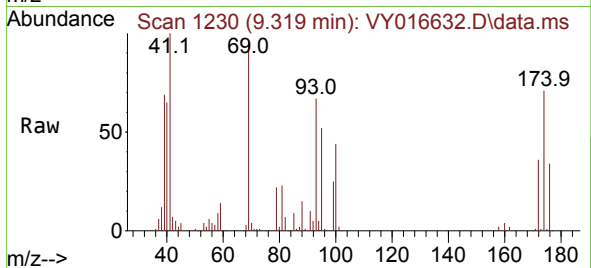
Lab File: VY016632.D

Acq: 07 Dec 2023 18:23

Instrument :

MSVOA\_Y

ClientSampleId :



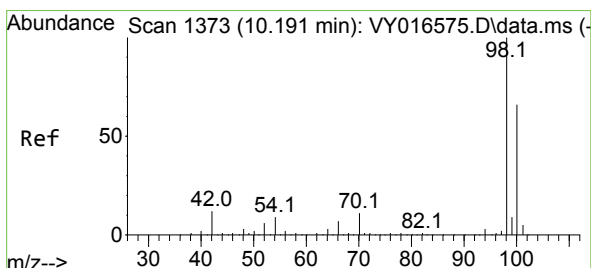
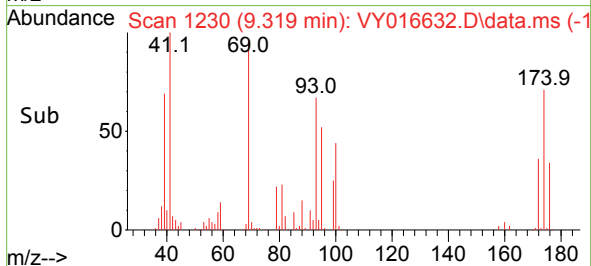
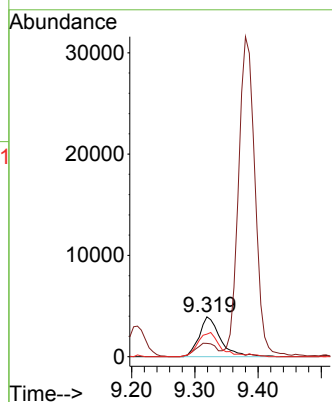
Tgt Ion: 88 Resp: 9175

Ion Ratio Lower Upper

88 100

43 31.8 0.0 0.0#

58 62.7 30.9 46.3#



#50

Toluene-d8

Concen: 57.826 ug/l

RT: 10.203 min Scan# 1375

Delta R.T. 0.012 min

Lab File: VY016632.D

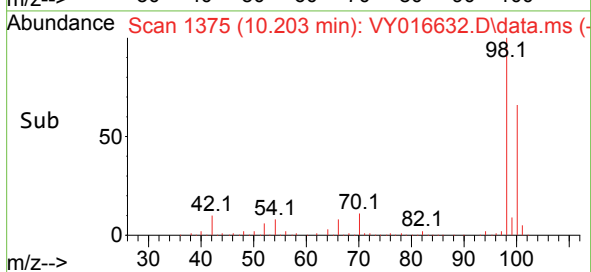
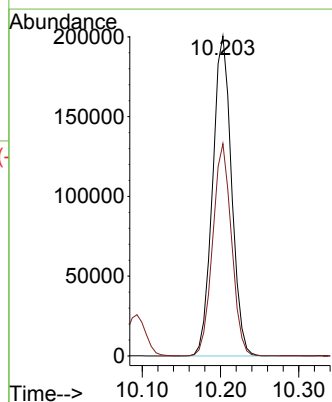
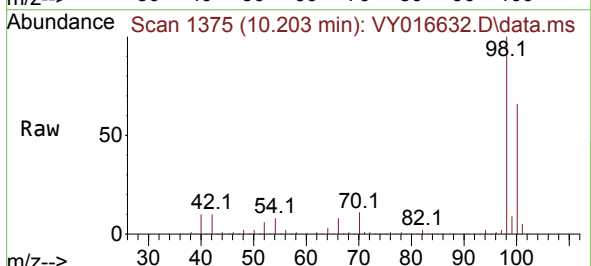
Acq: 07 Dec 2023 18:23

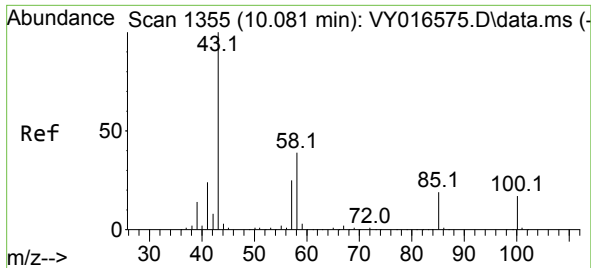
Tgt Ion: 98 Resp: 337036

Ion Ratio Lower Upper

98 100

100 65.7 50.1 75.1





#51

4-Methyl-2-Pentanone

Concen: 212.166 ug/l

RT: 10.093 min Scan# 1357

Delta R.T. 0.012 min

Lab File: VY016632.D

Acq: 07 Dec 2023 18:23

Instrument :

MSVOA\_Y

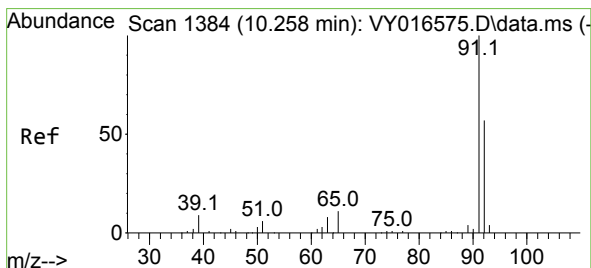
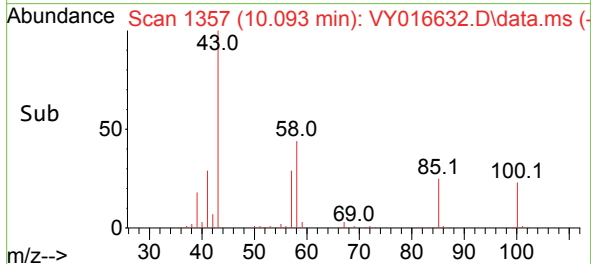
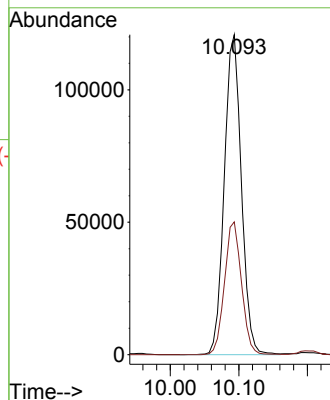
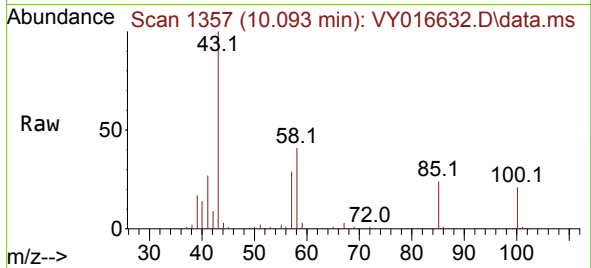
ClientSampleId :

Tgt Ion: 43 Resp: 208472

Ion Ratio Lower Upper

43 100

58 41.3 29.0 43.6



#52

Toluene

Concen: 54.439 ug/l

RT: 10.264 min Scan# 1385

Delta R.T. 0.006 min

Lab File: VY016632.D

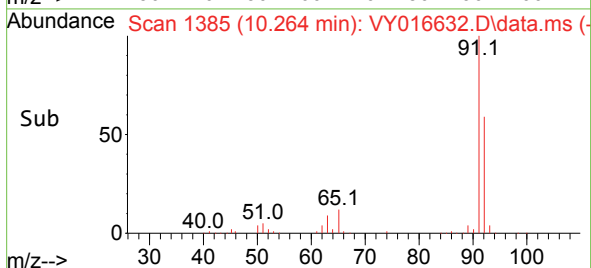
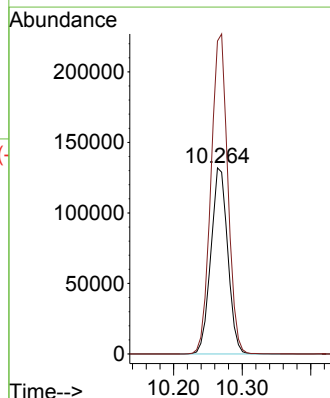
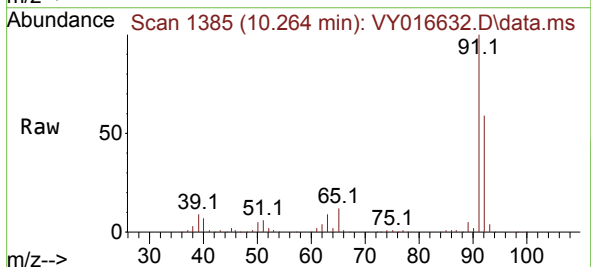
Acq: 07 Dec 2023 18:23

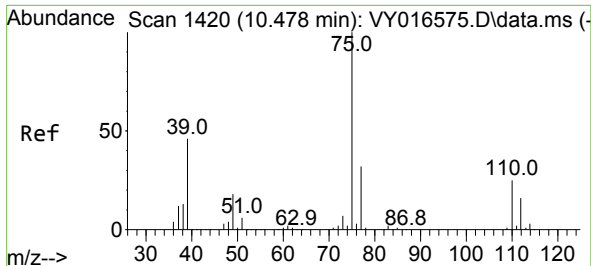
Tgt Ion: 92 Resp: 225257

Ion Ratio Lower Upper

92 100

91 171.8 143.8 215.6





#53

t-1,3-Dichloropropene

Concen: 54.610 ug/l

RT: 10.483 min Scan# 1420

Delta R.T. 0.006 min

Lab File: VY016632.D

Acq: 07 Dec 2023 18:23

Instrument :

MSVOA\_Y

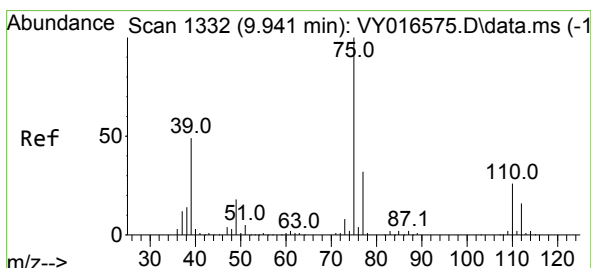
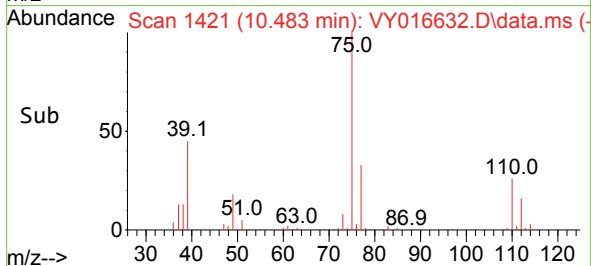
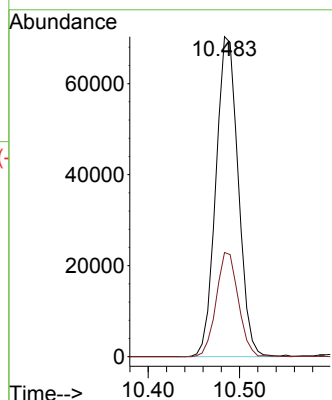
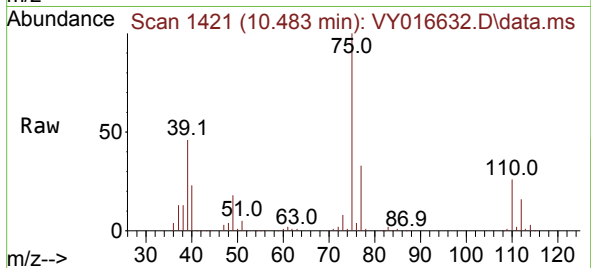
ClientSampleId :

Tgt Ion: 75 Resp: 119558

Ion Ratio Lower Upper

75 100

77 32.6 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 52.326 ug/l

RT: 9.953 min Scan# 1334

Delta R.T. 0.012 min

Lab File: VY016632.D

Acq: 07 Dec 2023 18:23

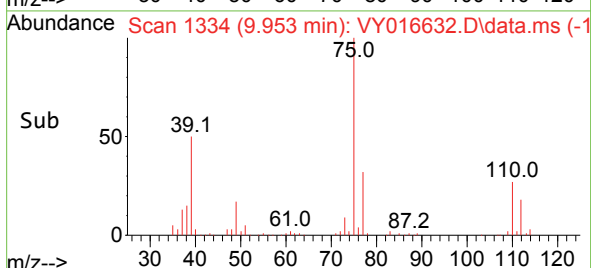
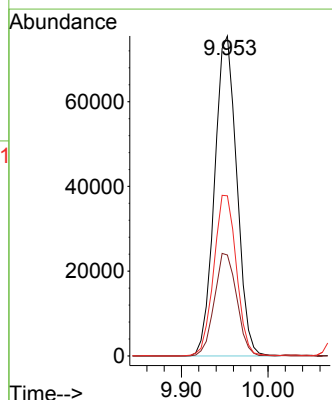
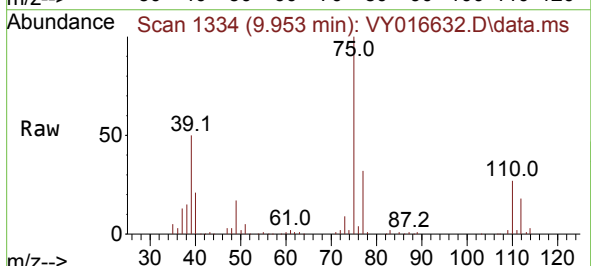
Tgt Ion: 75 Resp: 134541

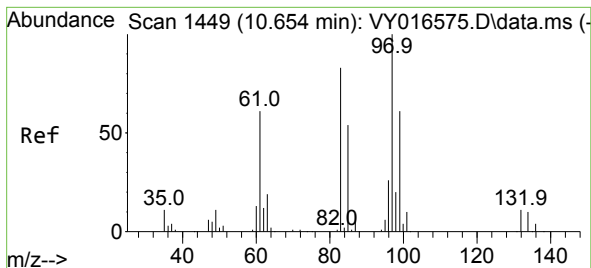
Ion Ratio Lower Upper

75 100

77 31.6 24.2 36.4

39 50.0 42.2 63.4





#55

1,1,2-Trichloroethane

Concen: 52.184 ug/l

RT: 10.666 min Scan# 1449

Delta R.T. 0.012 min

Lab File: VY016632.D

Acq: 07 Dec 2023 18:23

Instrument :

MSVOA\_Y

ClientSampleId :

Tgt Ion: 97 Resp: 63340

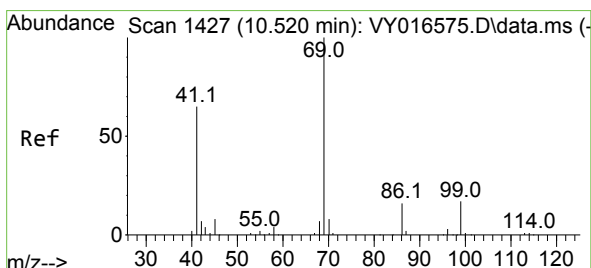
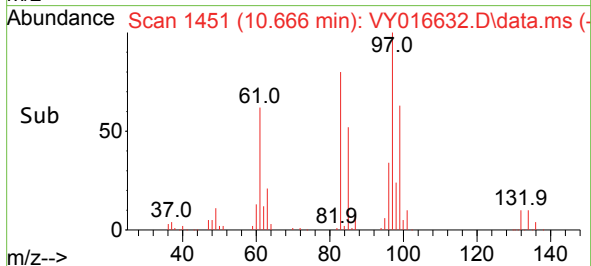
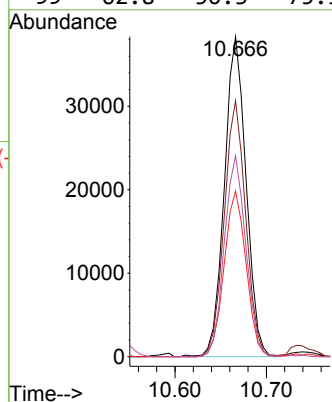
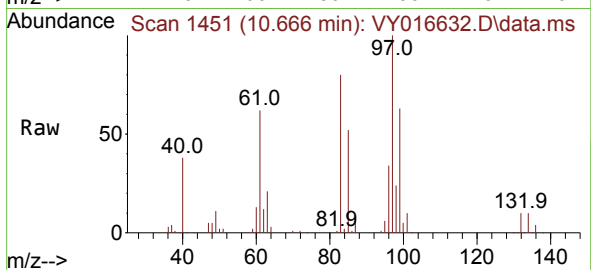
Ion Ratio Lower Upper

97 100

83 79.9 72.0 108.0

85 51.8 45.4 68.0

99 62.8 50.3 75.5



#56

Ethyl methacrylate

Concen: 50.944 ug/l

RT: 10.532 min Scan# 1429

Delta R.T. 0.012 min

Lab File: VY016632.D

Acq: 07 Dec 2023 18:23

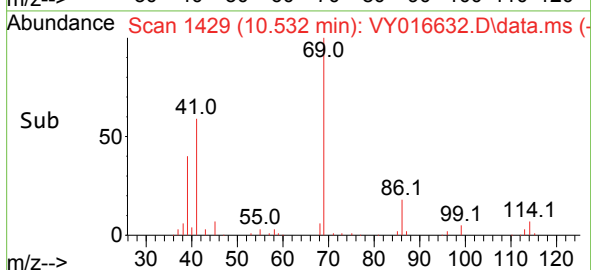
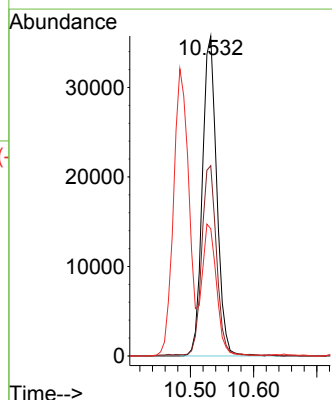
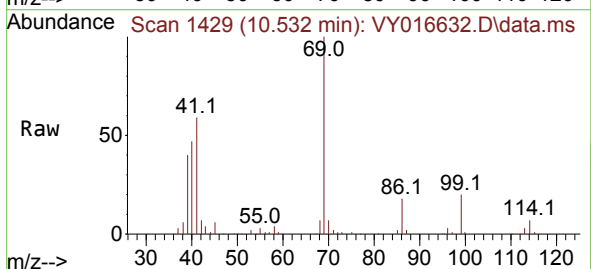
Tgt Ion: 69 Resp: 56680

Ion Ratio Lower Upper

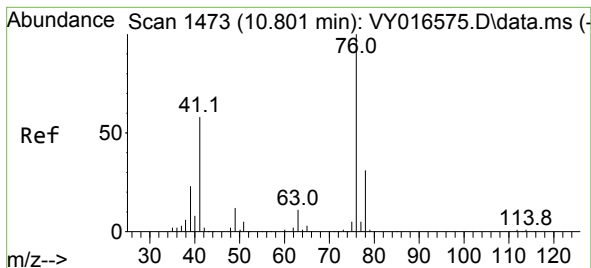
69 100

41 61.6 57.6 86.4

39 41.8 34.1 51.1







#57

1,3-Dichloropropane

Concen: 51.463 ug/l

RT: 10.813 min Scan# 1473

Delta R.T. 0.012 min

Lab File: VY016632.D

Acq: 07 Dec 2023 18:23

Instrument :

MSVOA\_Y

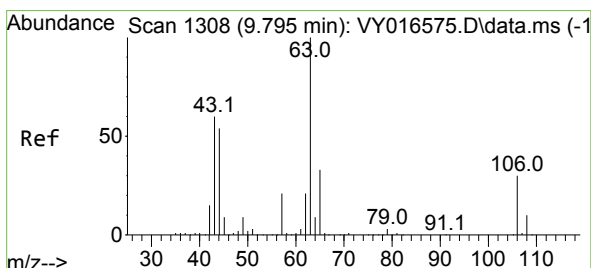
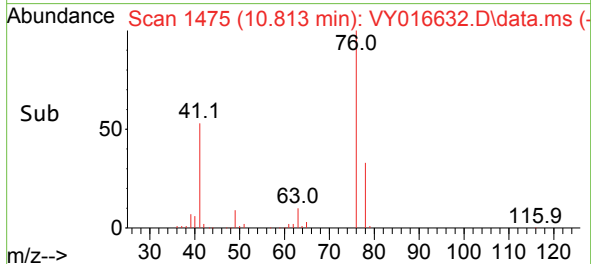
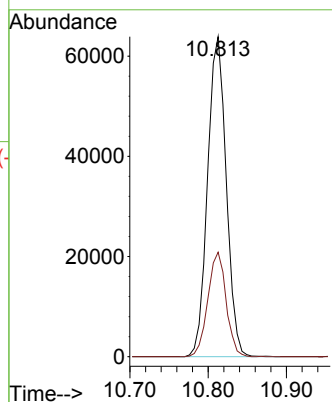
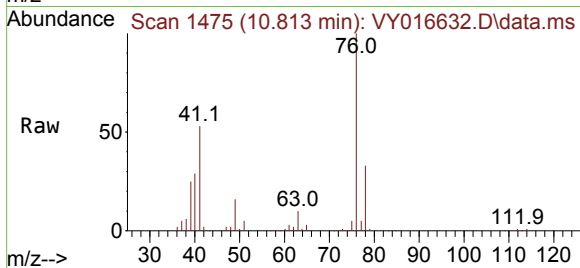
ClientSampleId :

Tgt Ion: 76 Resp: 105523

Ion Ratio Lower Upper

76 100

78 31.9 25.3 37.9



#58

2-Chloroethyl Vinyl ether

Concen: 217.738 ug/l

RT: 9.807 min Scan# 1310

Delta R.T. 0.012 min

Lab File: VY016632.D

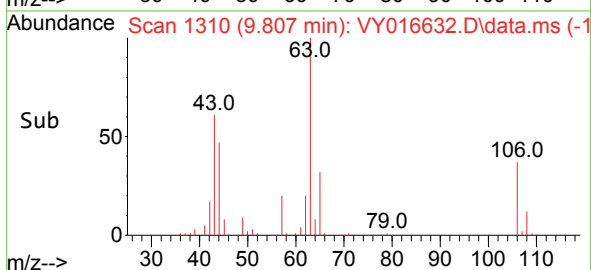
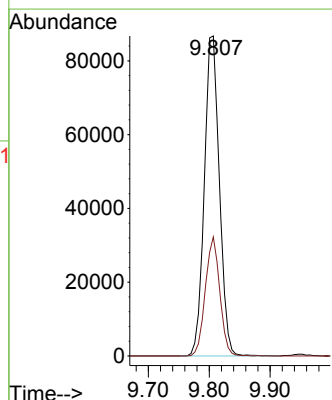
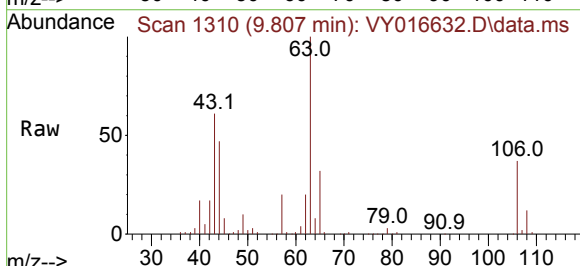
Acq: 07 Dec 2023 18:23

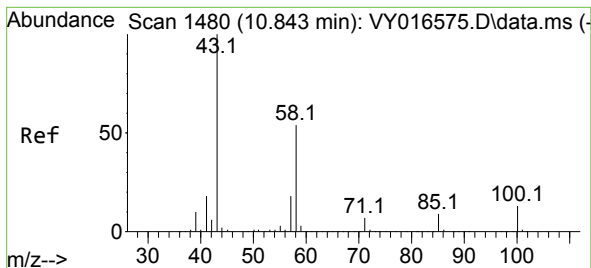
Tgt Ion: 63 Resp: 149292

Ion Ratio Lower Upper

63 100

106 35.6 21.2 31.8#

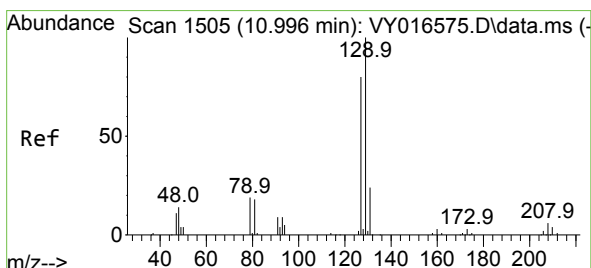
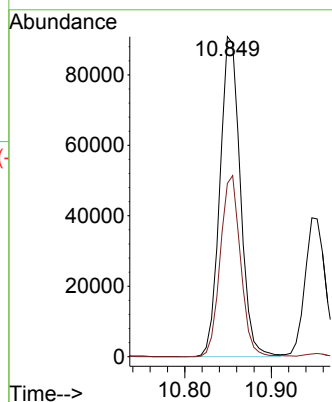
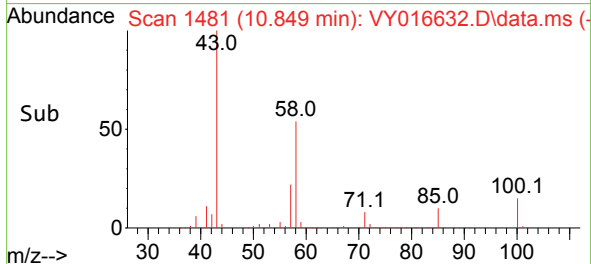
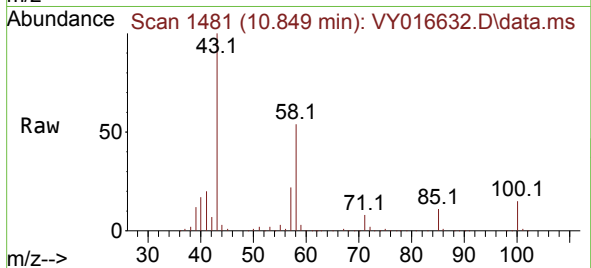




#59  
2-Hexanone  
Concen: 199.880 ug/l  
RT: 10.849 min Scan# 1480  
Delta R.T. 0.006 min  
Lab File: VY016632.D  
Acq: 07 Dec 2023 18:23

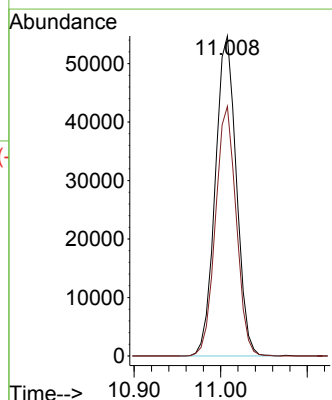
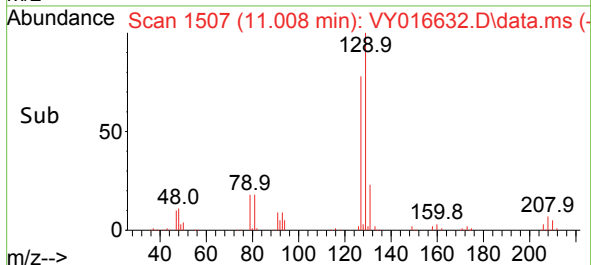
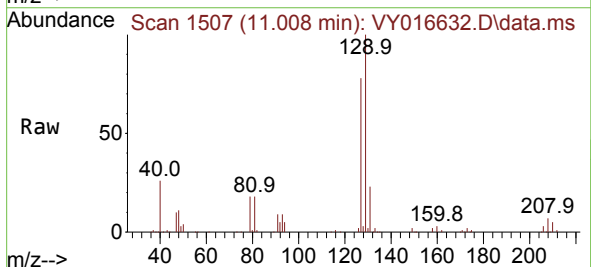
Instrument :  
MSVOA\_Y  
ClientSampleId :

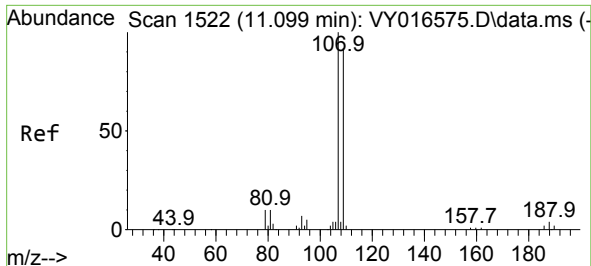
Tgt Ion: 43 Resp: 148573  
Ion Ratio Lower Upper  
43 100  
58 56.3 25.1 75.3



#60  
Dibromochloromethane  
Concen: 57.055 ug/l  
RT: 11.008 min Scan# 1507  
Delta R.T. 0.012 min  
Lab File: VY016632.D  
Acq: 07 Dec 2023 18:23

Tgt Ion:129 Resp: 92531  
Ion Ratio Lower Upper  
129 100  
127 76.7 38.5 115.5

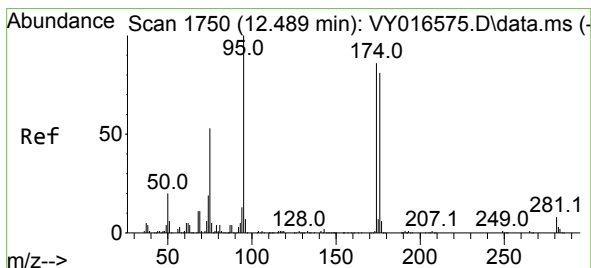
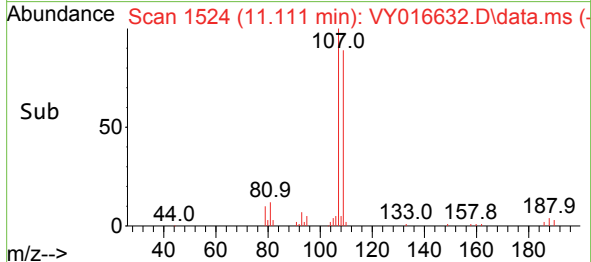
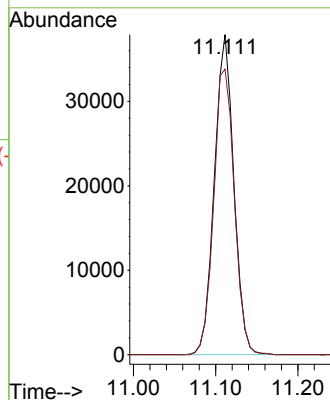
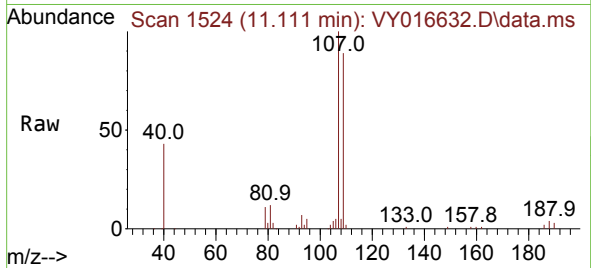




#61  
1,2-Dibromoethane  
Concen: 54.648 ug/l  
RT: 11.111 min Scan# 1524  
Delta R.T. 0.012 min  
Lab File: VY016632.D  
Acq: 07 Dec 2023 18:23

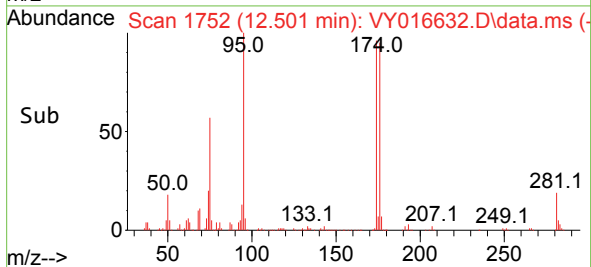
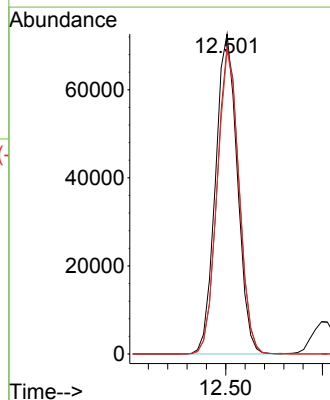
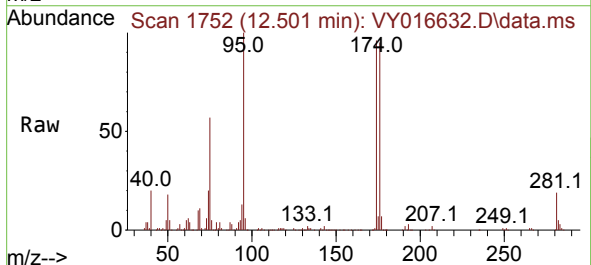
Instrument :  
MSVOA\_Y  
ClientSampleId :

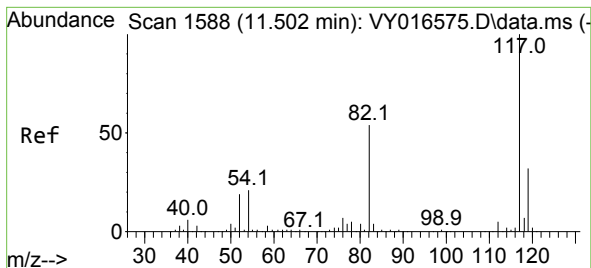
Tgt Ion:107 Resp: 62388  
Ion Ratio Lower Upper  
107 100  
109 94.5 75.6 113.4



#62  
4-Bromofluorobenzene  
Concen: 59.491 ug/l  
RT: 12.501 min Scan# 1752  
Delta R.T. 0.012 min  
Lab File: VY016632.D  
Acq: 07 Dec 2023 18:23

Tgt Ion: 95 Resp: 114026  
Ion Ratio Lower Upper  
95 100  
174 95.5 0.0 178.2  
176 94.6 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.514 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY016632.D

Acq: 07 Dec 2023 18:23

Instrument :

MSVOA\_Y

ClientSampleId :

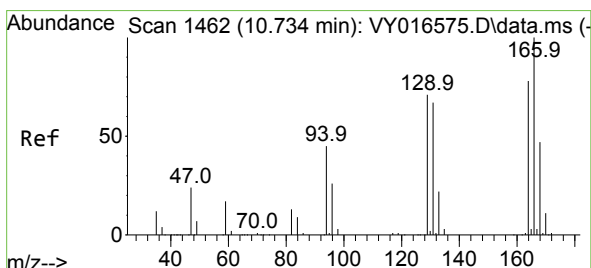
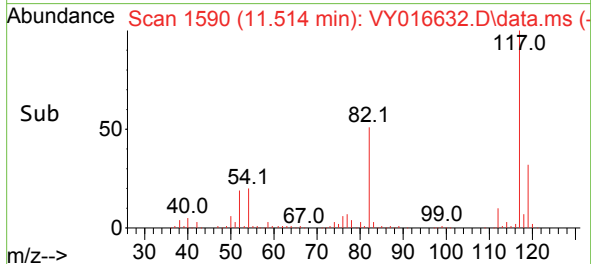
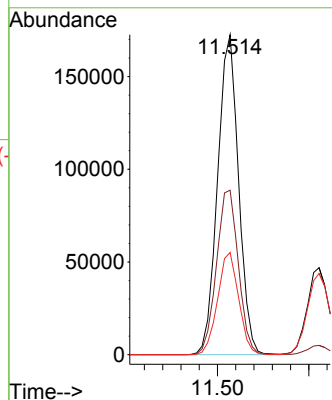
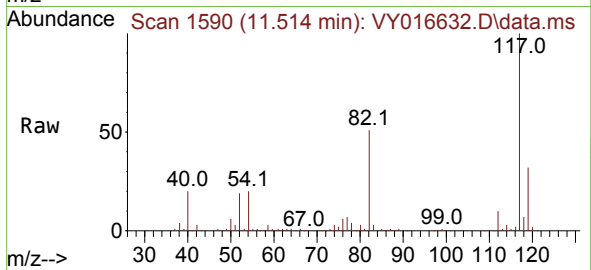
Tgt Ion:117 Resp: 275404

Ion Ratio Lower Upper

117 100

82 51.4 43.4 65.0

119 32.0 26.3 39.5



#64

Tetrachloroethene

Concen: 47.459 ug/l

RT: 10.739 min Scan# 1463

Delta R.T. 0.006 min

Lab File: VY016632.D

Acq: 07 Dec 2023 18:23

Tgt Ion:164 Resp: 119786

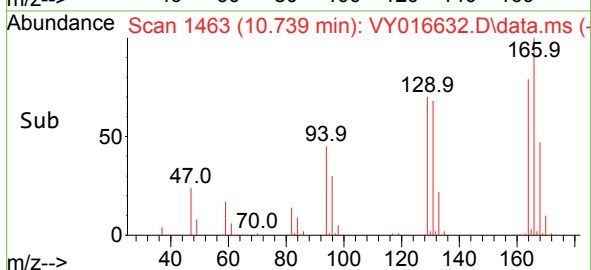
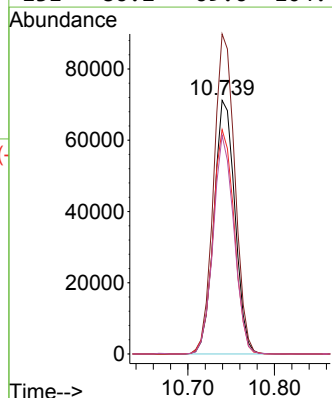
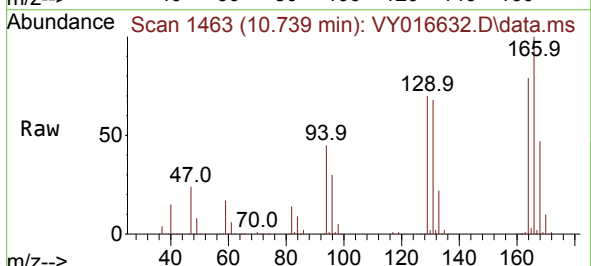
Ion Ratio Lower Upper

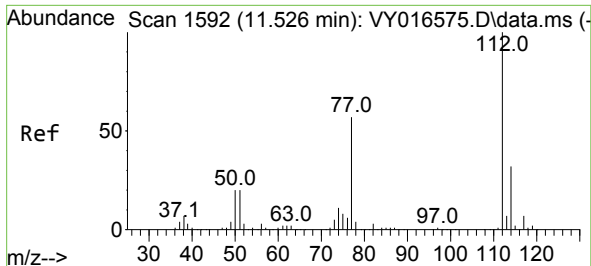
164 100

166 126.2 103.0 154.6

129 88.5 77.2 115.8

131 86.2 69.6 104.4

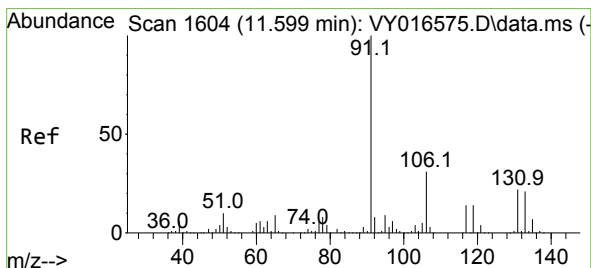
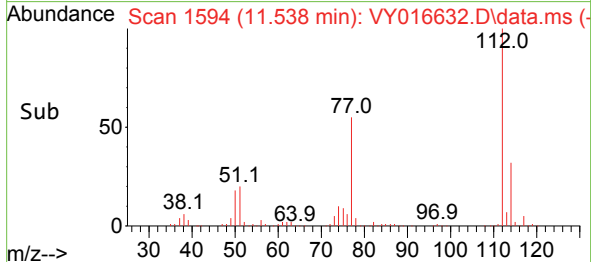
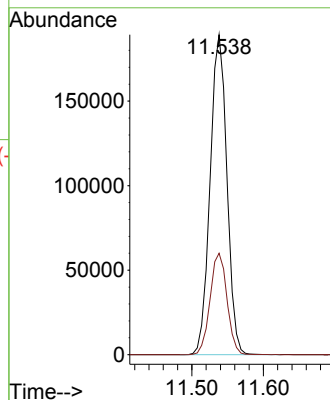
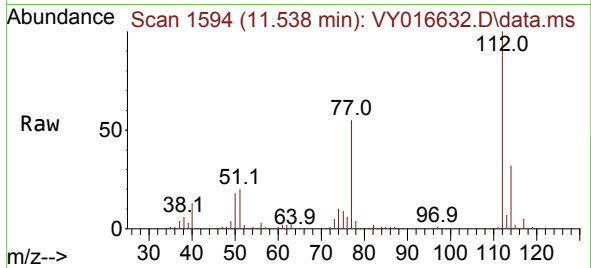




#65  
Chlorobenzene  
Concen: 55.341 ug/l  
RT: 11.538 min Scan# 11  
Delta R.T. 0.012 min  
Lab File: VY016632.D  
Acq: 07 Dec 2023 18:23

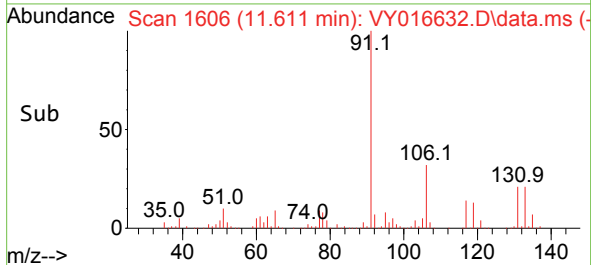
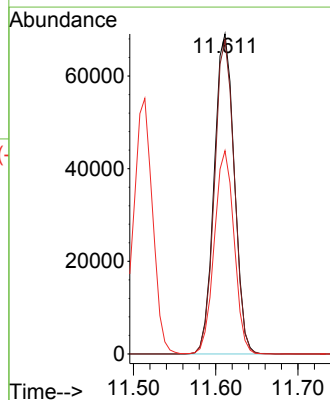
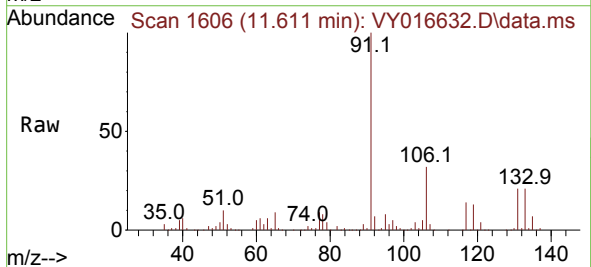
Instrument :  
MSVOA\_Y  
ClientSampleId :

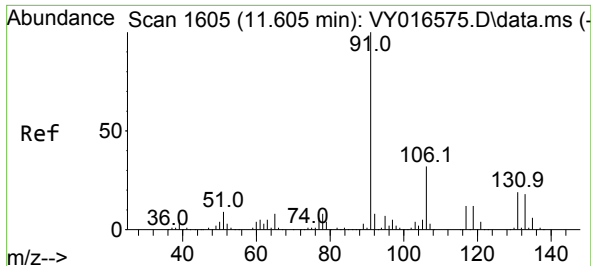
Tgt Ion:112 Resp: 308699  
Ion Ratio Lower Upper  
112 100  
114 31.7 25.5 38.3



#66  
1,1,1,2-Tetrachloroethane  
Concen: 53.720 ug/l  
RT: 11.611 min Scan# 1606  
Delta R.T. 0.012 min  
Lab File: VY016632.D  
Acq: 07 Dec 2023 18:23

Tgt Ion:131 Resp: 117120  
Ion Ratio Lower Upper  
131 100  
133 96.7 47.5 142.6  
119 62.7 31.6 94.7





#67

Ethyl Benzene

Concen: 52.416 ug/l

RT: 11.611 min Scan# 1606

Delta R.T. 0.006 min

Lab File: VY016632.D

Acq: 07 Dec 2023 18:23

Instrument :

MSVOA\_Y

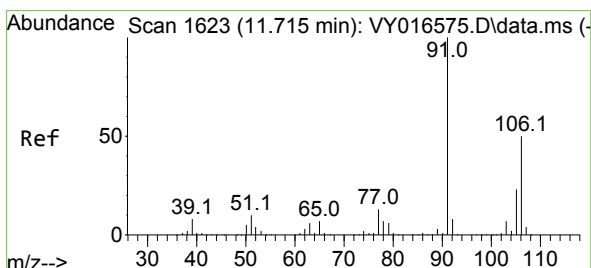
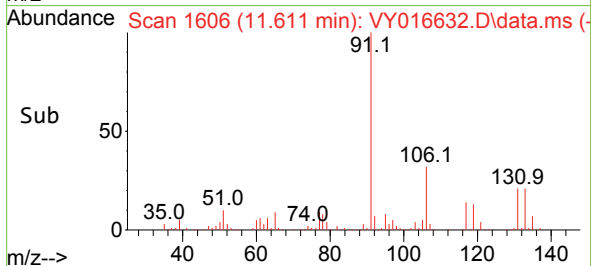
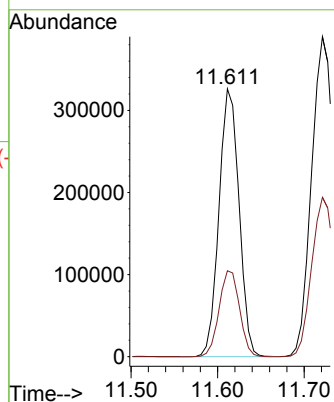
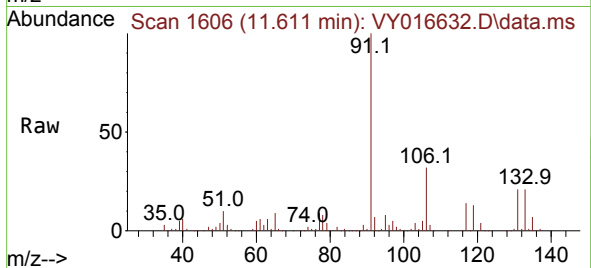
ClientSampleId :

Tgt Ion: 91 Resp: 524368

Ion Ratio Lower Upper

91 100

106 32.1 24.6 36.8



#68

m/p-Xylenes

Concen: 95.145 ug/l

RT: 11.721 min Scan# 1624

Delta R.T. 0.006 min

Lab File: VY016632.D

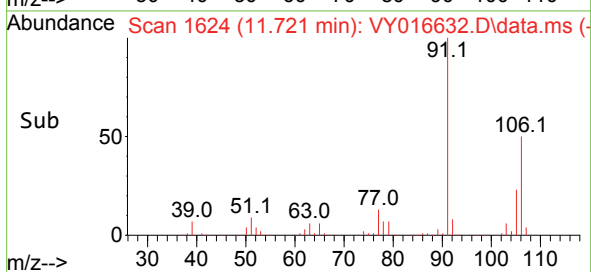
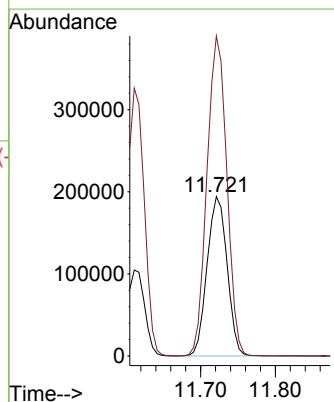
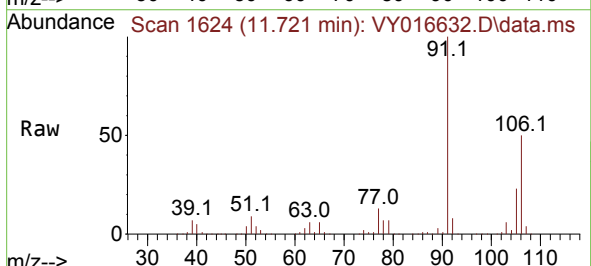
Acq: 07 Dec 2023 18:23

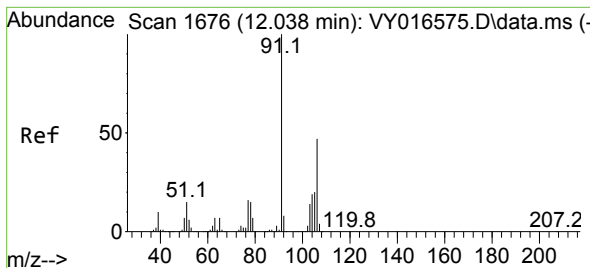
Tgt Ion:106 Resp: 361338

Ion Ratio Lower Upper

106 100

91 199.3 166.1 249.1





#69

o-Xylene

Concen: 46.644 ug/l

RT: 12.050 min Scan# 1

Delta R.T. 0.012 min

Lab File: VY016632.D

Acq: 07 Dec 2023 18:23

Instrument :

MSVOA\_Y

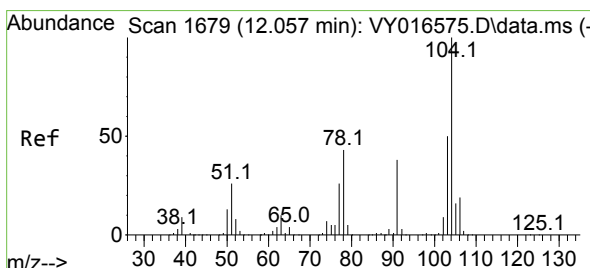
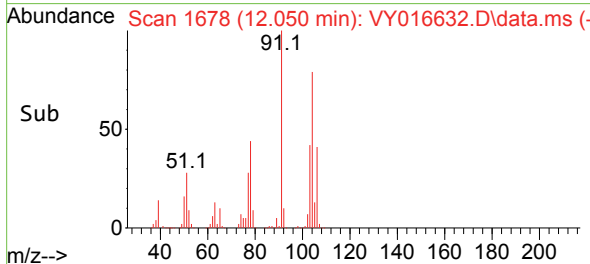
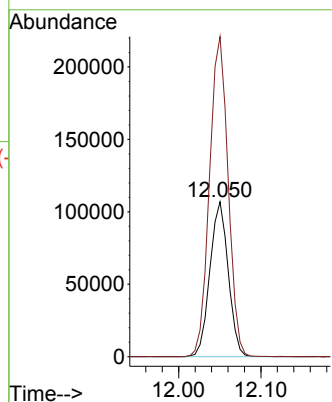
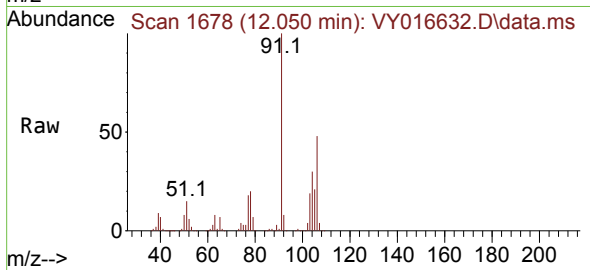
ClientSampleId :

Tgt Ion:106 Resp: 165367

Ion Ratio Lower Upper

106 100

91 210.0 108.1 324.3



#70

Styrene

Concen: 47.381 ug/l

RT: 12.062 min Scan# 1680

Delta R.T. 0.006 min

Lab File: VY016632.D

Acq: 07 Dec 2023 18:23

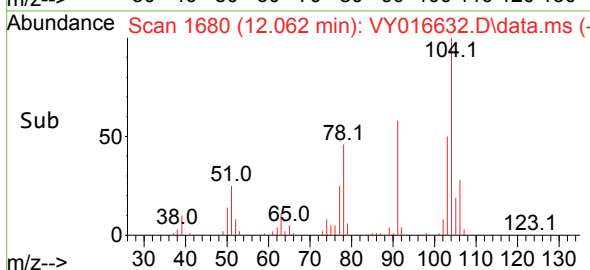
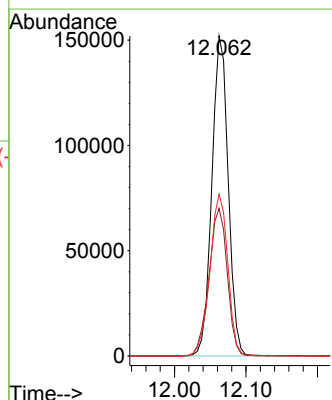
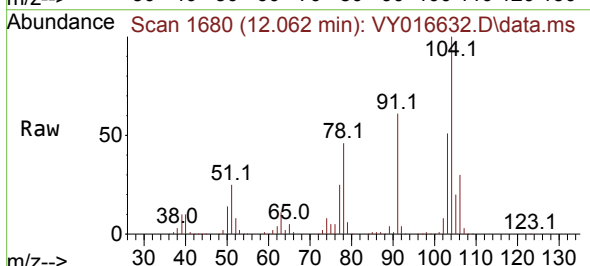
Tgt Ion:104 Resp: 241011

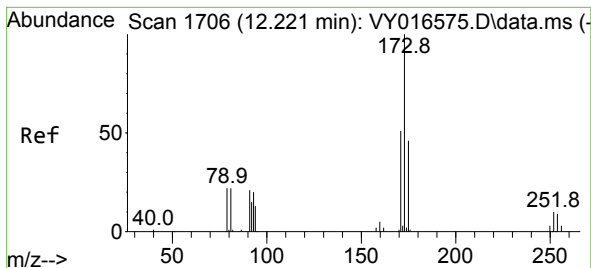
Ion Ratio Lower Upper

104 100

78 51.8 41.5 62.3

103 55.3 44.6 67.0





#71

Bromoform

Concen: 48.296 ug/l

RT: 12.227 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY016632.D

Acq: 07 Dec 2023 18:23

Instrument :

MSVOA\_Y

ClientSampleId :

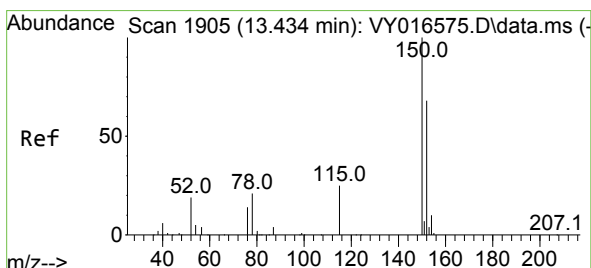
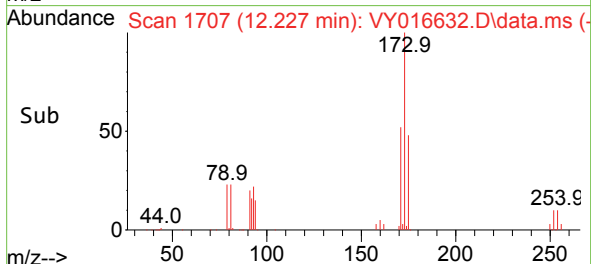
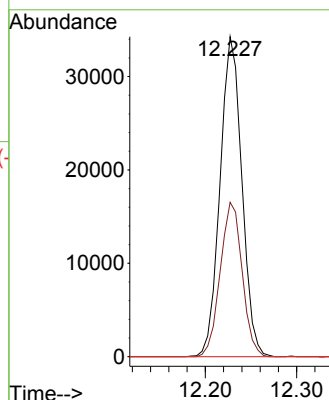
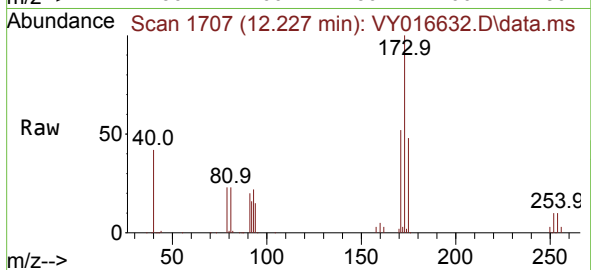
Tgt Ion:173 Resp: 56857

Ion Ratio Lower Upper

173 100

175 48.5 24.6 73.8

254 0.0 0.2 0.2#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.446 min Scan# 1907

Delta R.T. 0.012 min

Lab File: VY016632.D

Acq: 07 Dec 2023 18:23

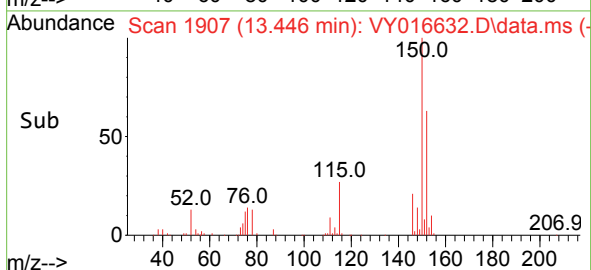
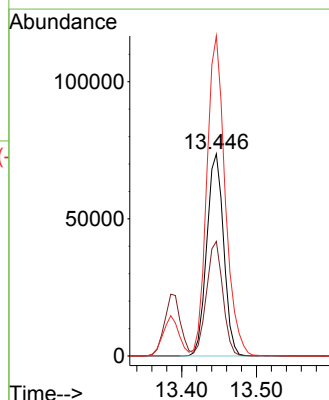
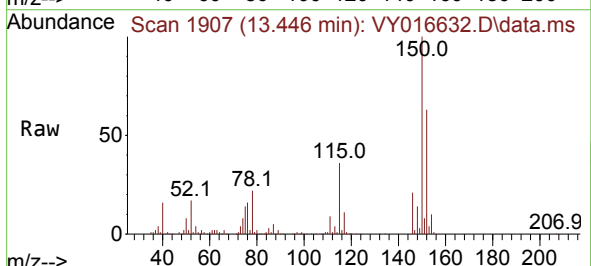
Tgt Ion:152 Resp: 115706

Ion Ratio Lower Upper

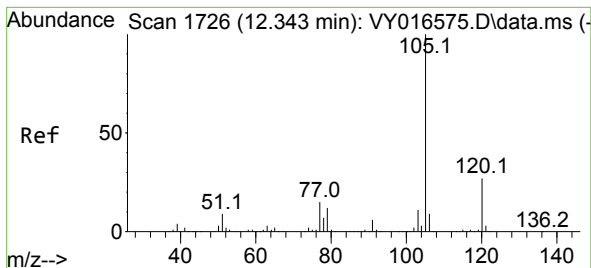
152 100

115 54.8 28.8 86.5

150 171.7 0.0 348.8







#73

Isopropylbenzene

Concen: 53.148 ug/l

RT: 12.349 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY016632.D

Acq: 07 Dec 2023 18:23

Instrument :

MSVOA\_Y

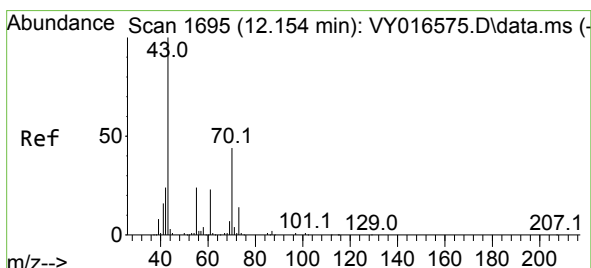
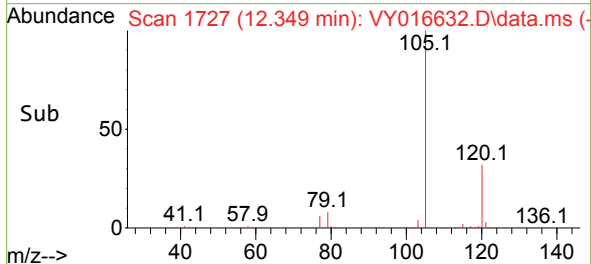
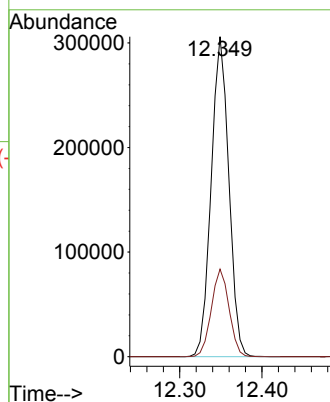
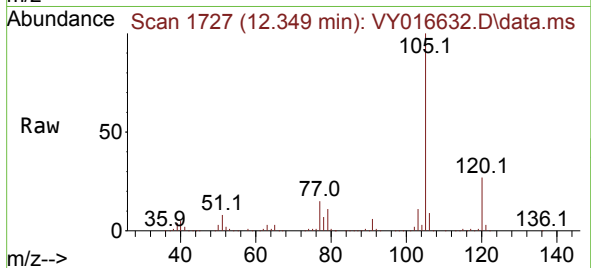
ClientSampleId :

Tgt Ion:105 Resp: 455359

Ion Ratio Lower Upper

105 100

120 27.5 13.3 39.9



#74

N-ethyl acetate

Concen: 39.777 ug/l

RT: 12.160 min Scan# 1696

Delta R.T. 0.006 min

Lab File: VY016632.D

Acq: 07 Dec 2023 18:23

Tgt Ion: 43 Resp: 67954

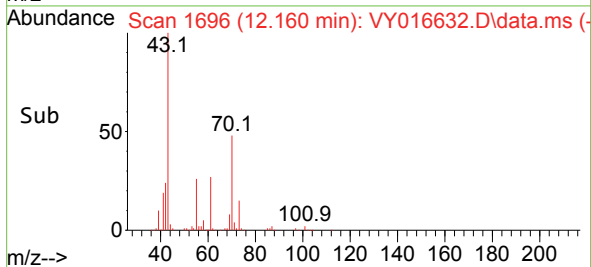
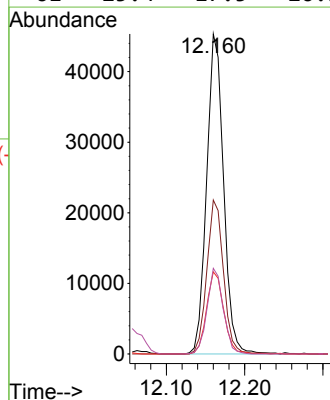
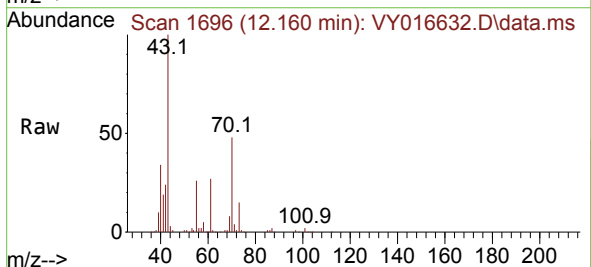
Ion Ratio Lower Upper

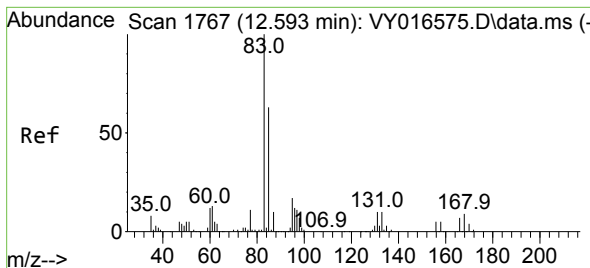
43 100

70 47.2 29.7 44.5#

55 26.1 18.3 27.5

61 25.4 17.5 26.3





#75

1,1,2,2-Tetrachloroethane

Concen: 43.548 ug/l

RT: 12.599 min Scan# 1768

Delta R.T. 0.006 min

Lab File: VY016632.D

Acq: 07 Dec 2023 18:23

Instrument :

MSVOA\_Y

ClientSampleId :

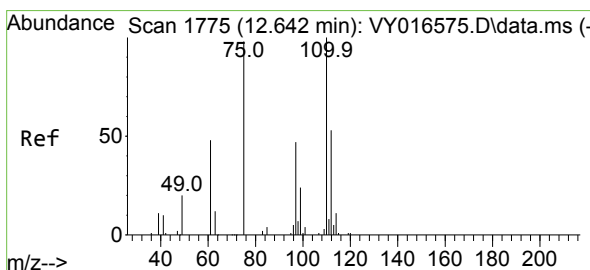
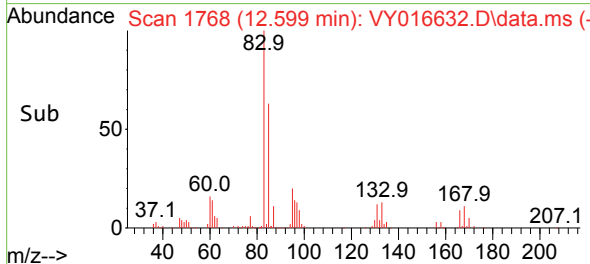
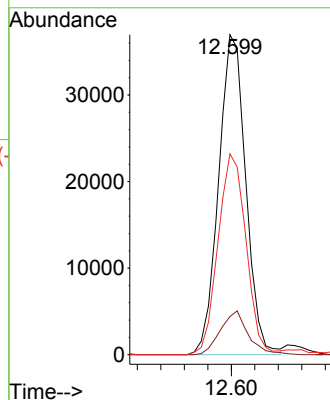
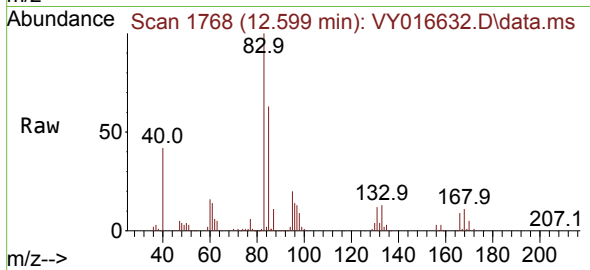
Tgt Ion: 83 Resp: 59344

Ion Ratio Lower Upper

83 100

131 14.0 5.4 16.2

85 64.7 31.8 95.4



#76

1,2,3-Trichloropropane

Concen: 83.497 ug/l

RT: 12.654 min Scan# 1777

Delta R.T. 0.012 min

Lab File: VY016632.D

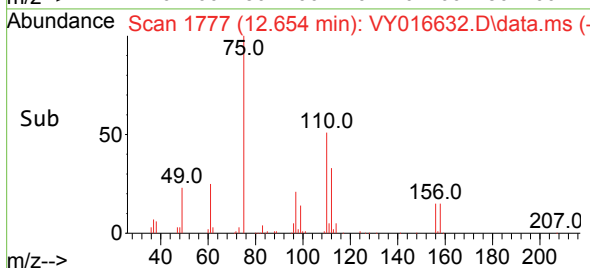
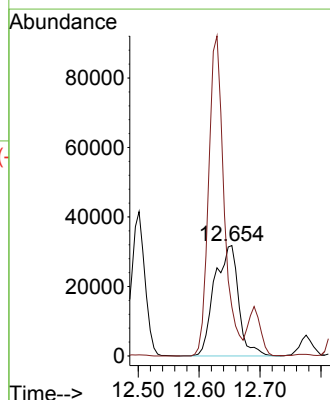
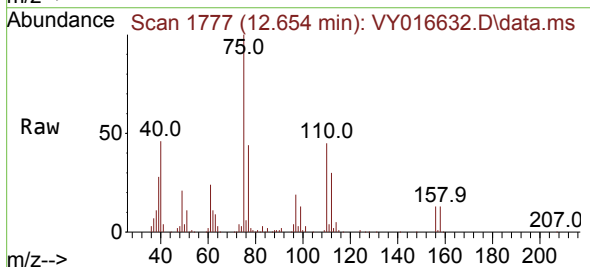
Acq: 07 Dec 2023 18:23

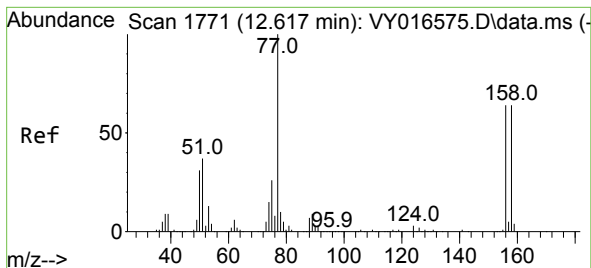
Tgt Ion: 75 Resp: 87272

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 56.442 ug/l

RT: 12.629 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY016632.D

Acq: 07 Dec 2023 18:23

Instrument :

MSVOA\_Y

ClientSampleId :

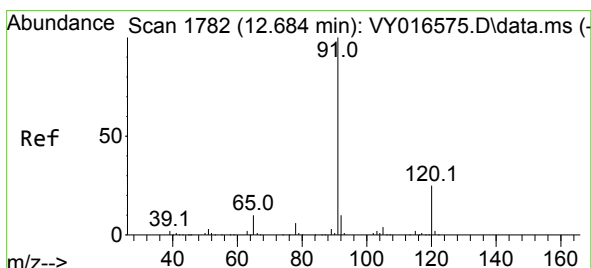
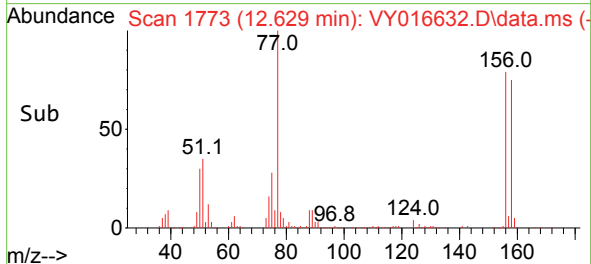
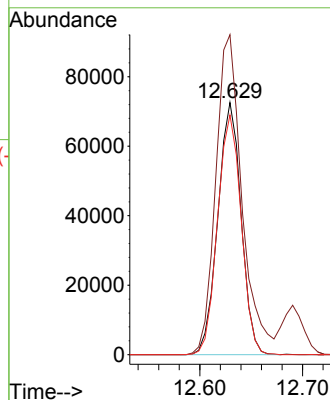
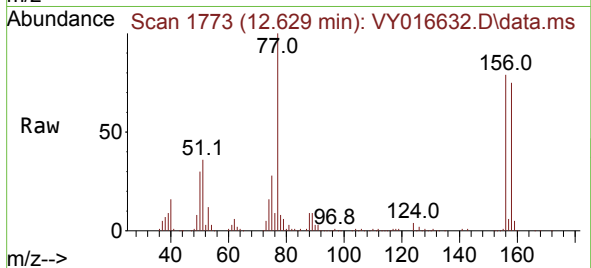
Tgt Ion:156 Resp: 113969

Ion Ratio Lower Upper

156 100

77 143.2 92.8 278.6

158 96.5 48.4 145.3



#78

n-propylbenzene

Concen: 50.073 ug/l

RT: 12.690 min Scan# 1783

Delta R.T. 0.006 min

Lab File: VY016632.D

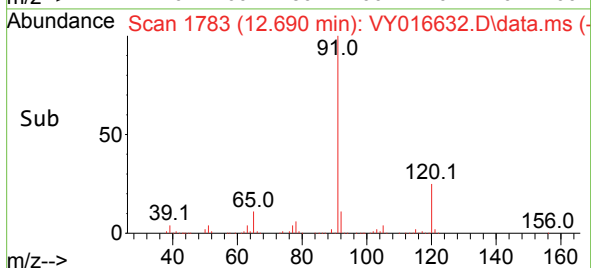
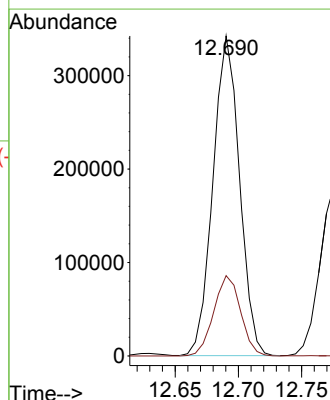
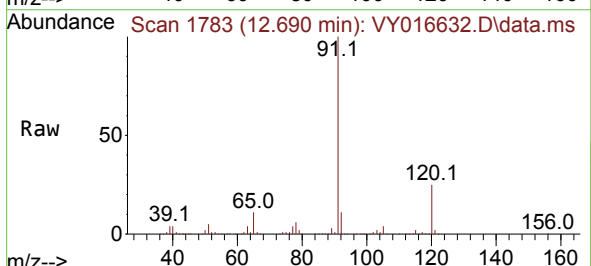
Acq: 07 Dec 2023 18:23

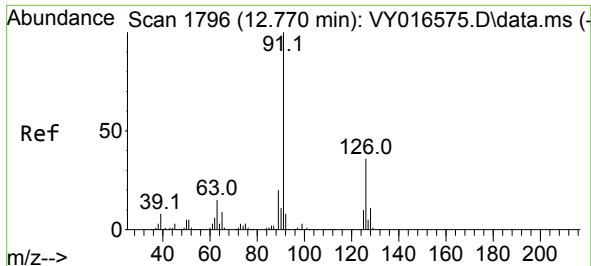
Tgt Ion: 91 Resp: 499342

Ion Ratio Lower Upper

91 100

120 25.3 11.5 34.4





#79

2-Chlorotoluene

Concen: 50.687 ug/l

RT: 12.776 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY016632.D

Acq: 07 Dec 2023 18:23

Instrument :

MSVOA\_Y

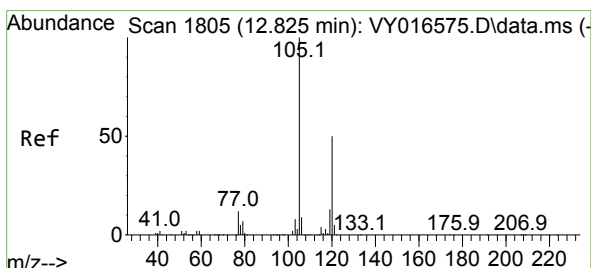
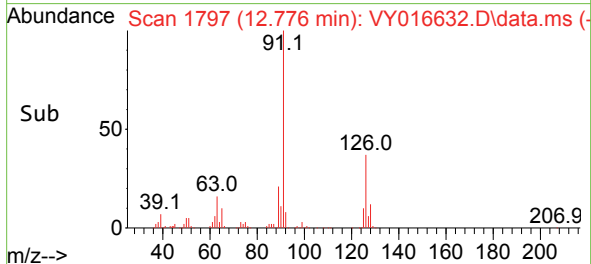
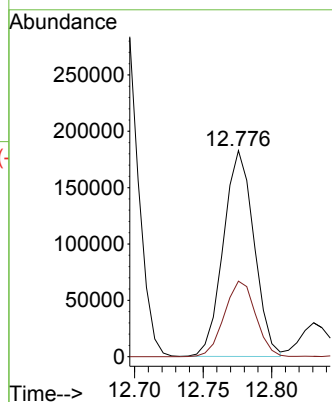
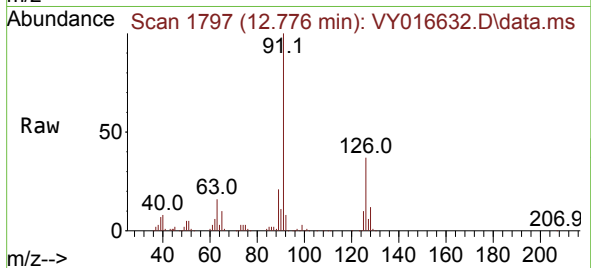
ClientSampleId :

Tgt Ion: 91 Resp: 284831

Ion Ratio Lower Upper

91 100

126 37.4 17.3 51.7



#80

1,3,5-Trimethylbenzene

Concen: 54.111 ug/l

RT: 12.831 min Scan# 1806

Delta R.T. 0.006 min

Lab File: VY016632.D

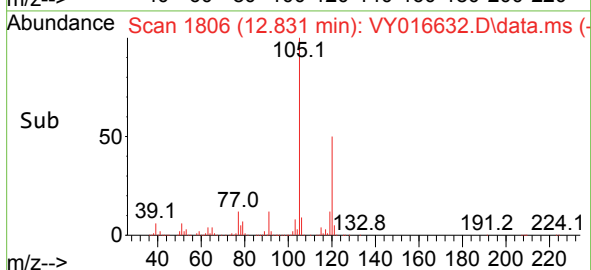
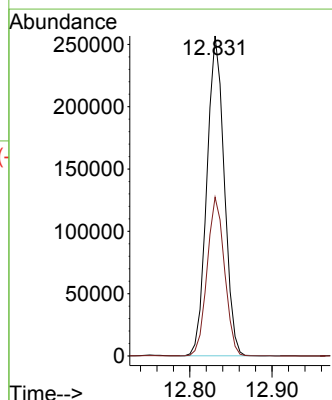
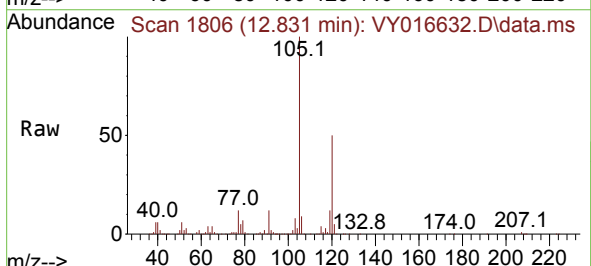
Acq: 07 Dec 2023 18:23

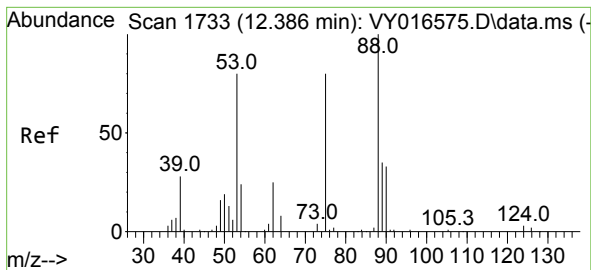
Tgt Ion:105 Resp: 376709

Ion Ratio Lower Upper

105 100

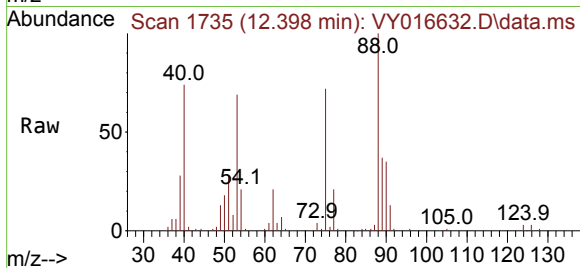
120 49.7 23.9 71.7



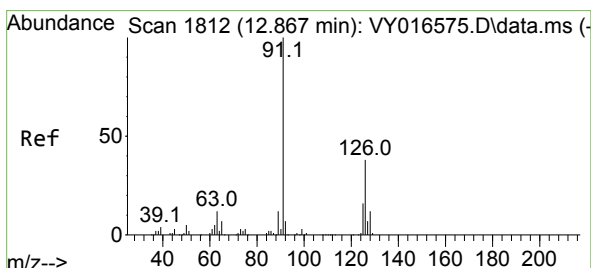
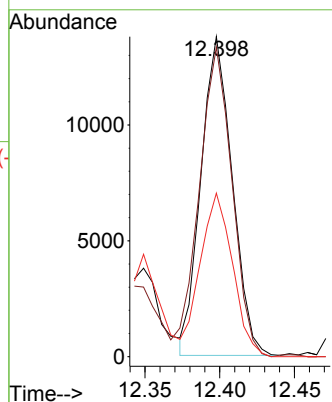
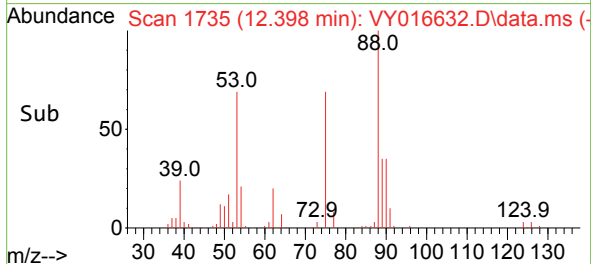


#81  
trans-1,4-Dichloro-2-butene  
Concen: 43.197 ug/l  
RT: 12.398 min Scan# 1735  
Delta R.T. 0.012 min  
Lab File: VY016632.D  
Acq: 07 Dec 2023 18:23

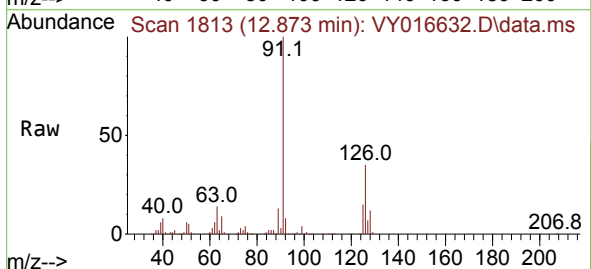
Instrument :  
MSVOA\_Y  
ClientSampleId :



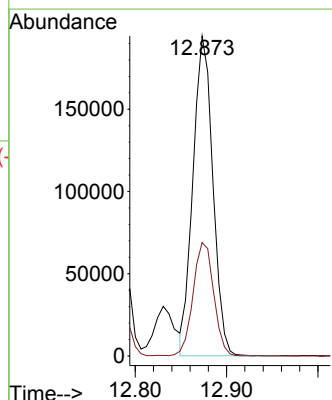
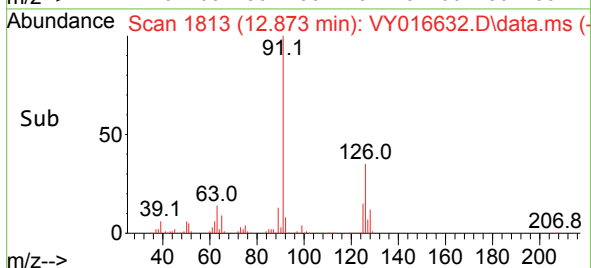
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 101.9 | 77.8  | 116.8 |
| 89      | 53.1  | 37.4  | 56.0  |

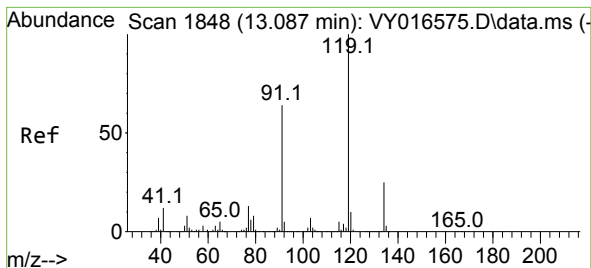


#82  
4-Chlorotoluene  
Concen: 50.529 ug/l  
RT: 12.873 min Scan# 1813  
Delta R.T. 0.006 min  
Lab File: VY016632.D  
Acq: 07 Dec 2023 18:23



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 36.8  | 17.2  | 51.6  |





#83

tert-Butylbenzene

Concen: 54.318 ug/l

RT: 13.093 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY016632.D

Acq: 07 Dec 2023 18:23

Instrument :

MSVOA\_Y

ClientSampleId :

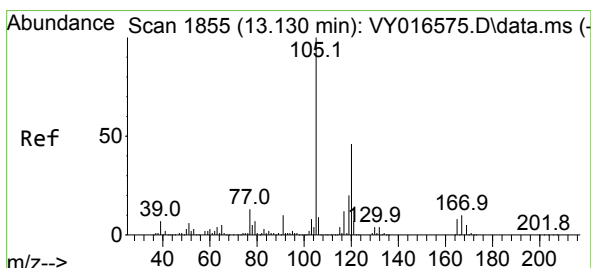
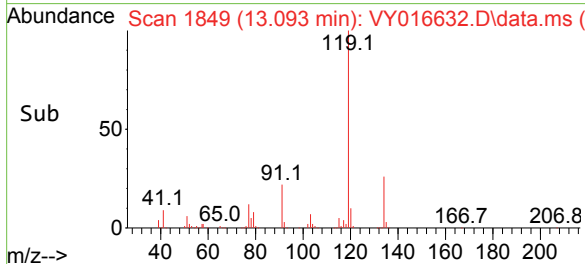
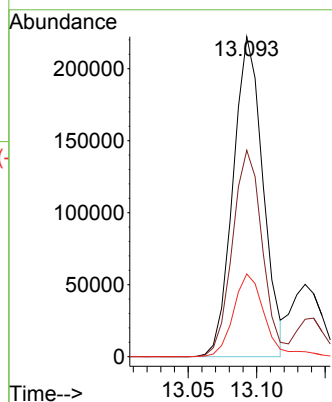
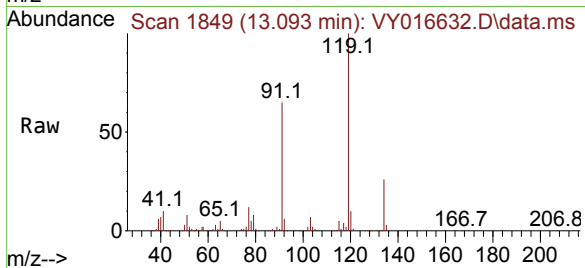
Tgt Ion:119 Resp: 337865

Ion Ratio Lower Upper

119 100

91 65.0 32.9 98.6

134 27.2 13.0 38.9



#84

1,2,4-Trimethylbenzene

Concen: 54.387 ug/l

RT: 13.141 min Scan# 1857

Delta R.T. 0.012 min

Lab File: VY016632.D

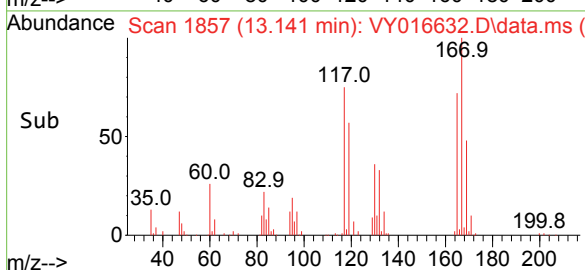
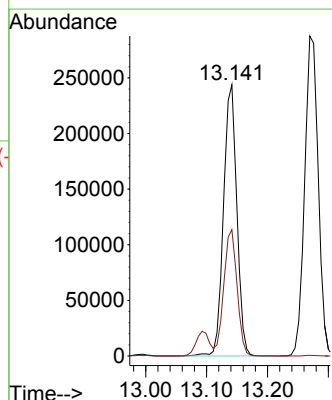
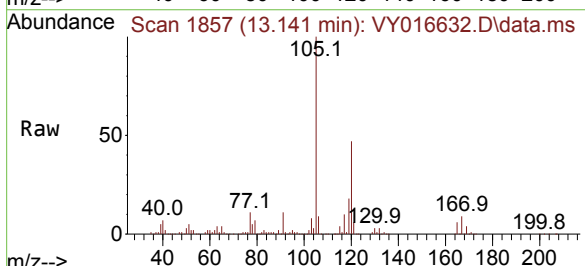
Acq: 07 Dec 2023 18:23

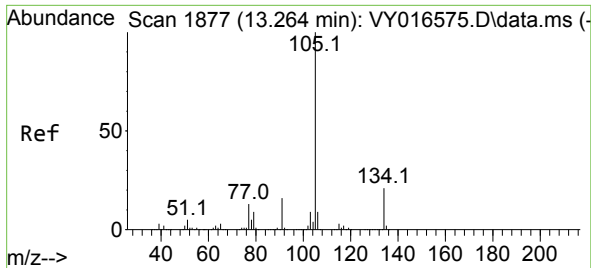
Tgt Ion:105 Resp: 369831

Ion Ratio Lower Upper

105 100

120 46.3 22.2 66.6

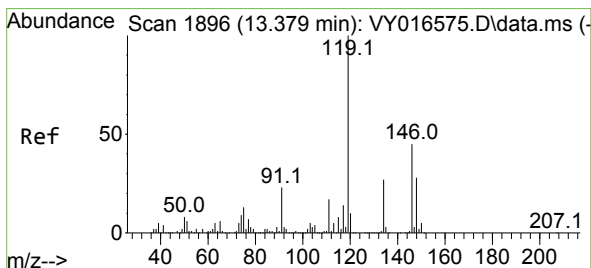
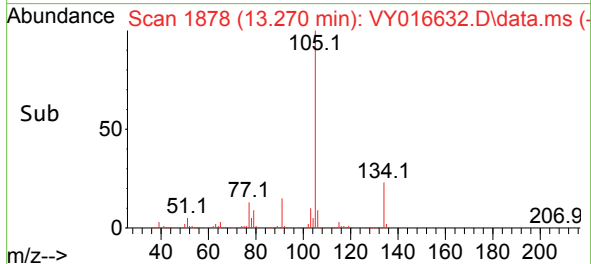
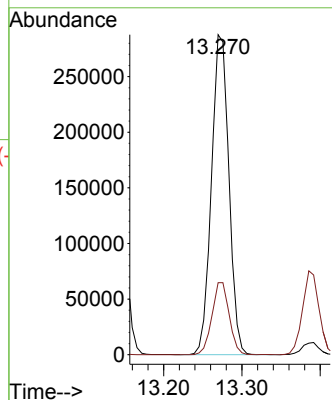
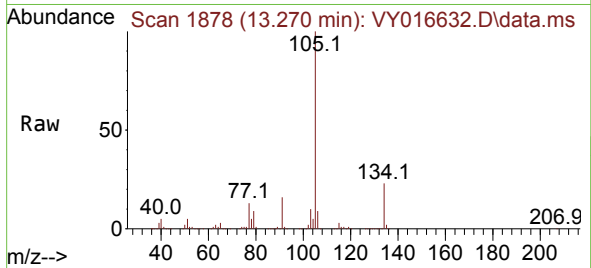




#85  
 sec-Butylbenzene  
 Concen: 50.828 ug/l  
 RT: 13.270 min Scan# 1877  
 Delta R.T. 0.006 min  
 Lab File: VY016632.D  
 Acq: 07 Dec 2023 18:23

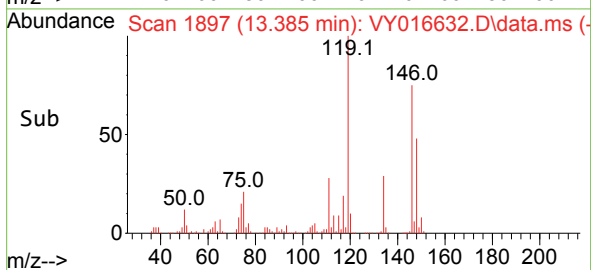
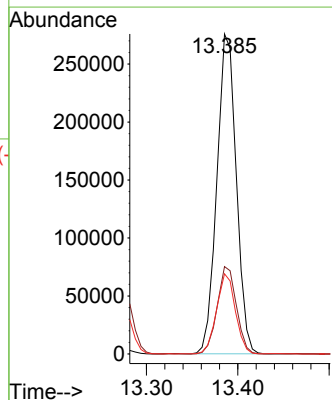
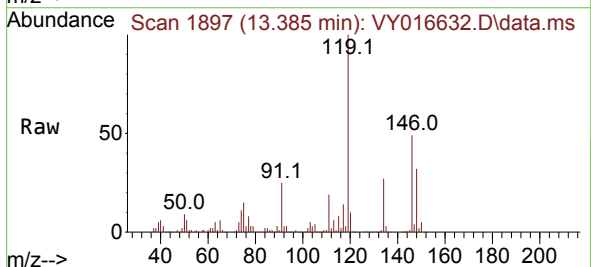
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

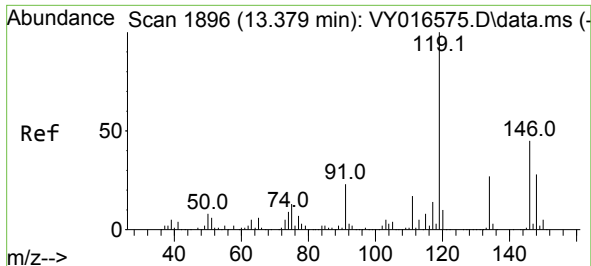
Tgt Ion:105 Resp: 444041  
 Ion Ratio Lower Upper  
 105 100  
 134 22.3 10.2 30.6



#86  
 p-Isopropyltoluene  
 Concen: 53.726 ug/l  
 RT: 13.385 min Scan# 1897  
 Delta R.T. 0.006 min  
 Lab File: VY016632.D  
 Acq: 07 Dec 2023 18:23

Tgt Ion:119 Resp: 407429  
 Ion Ratio Lower Upper  
 119 100  
 134 27.1 13.3 39.8  
 91 24.2 12.4 37.4





#87

1,3-Dichlorobenzene

Concen: 53.931 ug/l

RT: 13.385 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY016632.D

Acq: 07 Dec 2023 18:23

Instrument :

MSVOA\_Y

ClientSampleId :

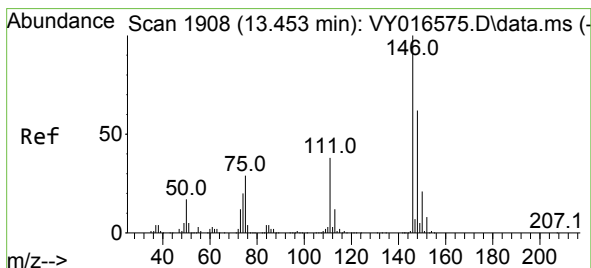
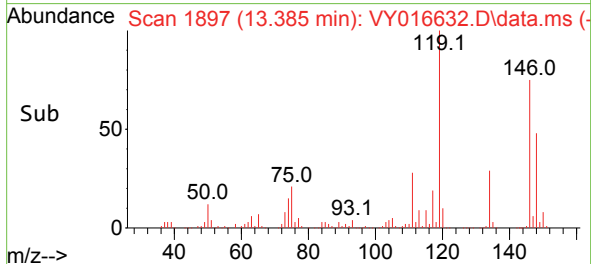
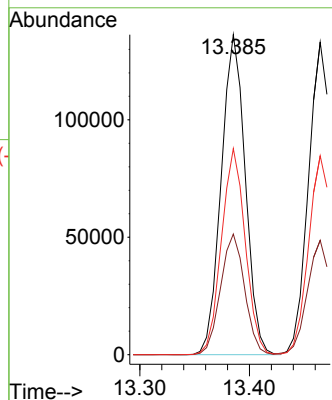
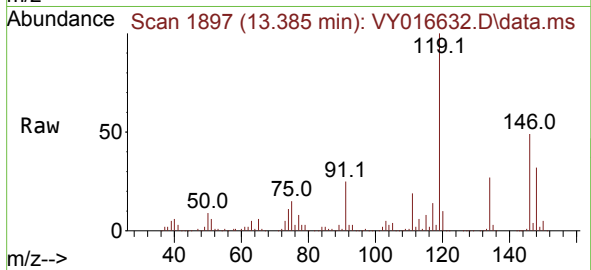
Tgt Ion:146 Resp: 207881

Ion Ratio Lower Upper

146 100

111 37.7 19.4 58.2

148 63.7 31.9 95.5



#88

1,4-Dichlorobenzene

Concen: 53.673 ug/l

RT: 13.465 min Scan# 1910

Delta R.T. 0.012 min

Lab File: VY016632.D

Acq: 07 Dec 2023 18:23

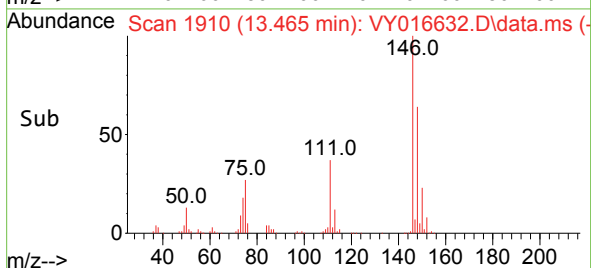
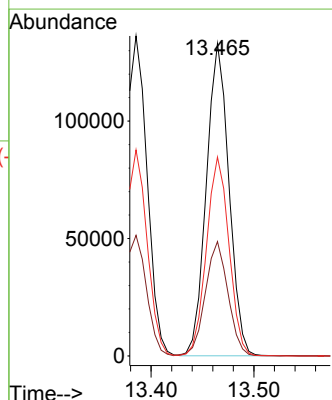
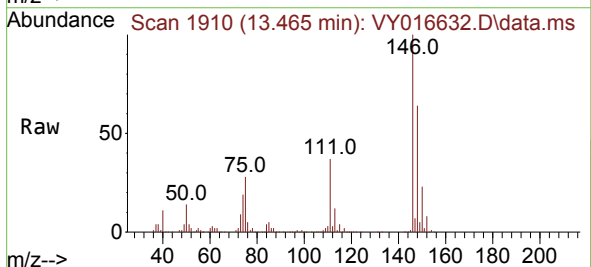
Tgt Ion:146 Resp: 203039

Ion Ratio Lower Upper

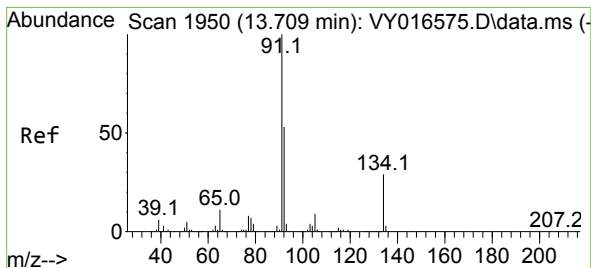
146 100

111 36.7 18.9 56.7

148 63.6 32.1 96.5







#89

n-Butylbenzene

Concen: 50.274 ug/l

RT: 13.715 min Scan# 1951

Delta R.T. 0.006 min

Lab File: VY016632.D

Acq: 07 Dec 2023 18:23

Instrument :

MSVOA\_Y

ClientSampleId :

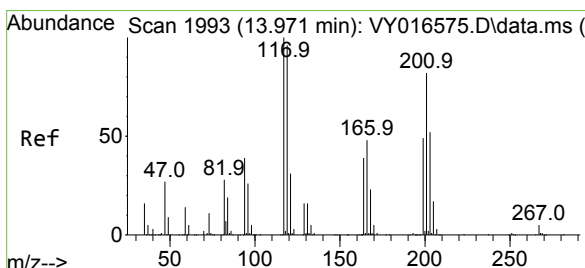
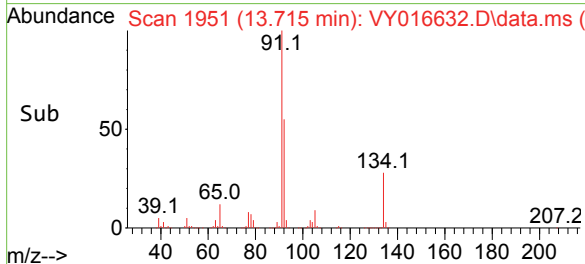
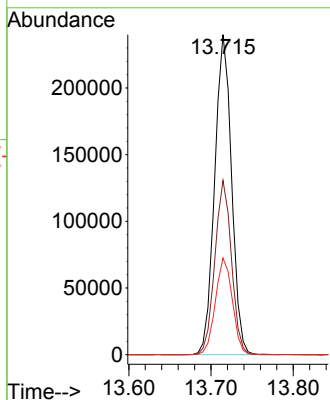
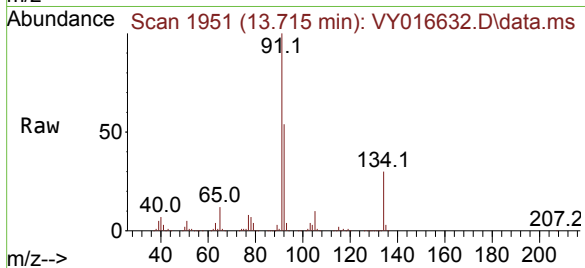
Tgt Ion: 91 Resp: 342861

Ion Ratio Lower Upper

91 100

92 53.5 25.4 76.0

134 30.3 12.6 37.6



#90

Hexachloroethane

Concen: 49.808 ug/l

RT: 13.983 min Scan# 1995

Delta R.T. 0.012 min

Lab File: VY016632.D

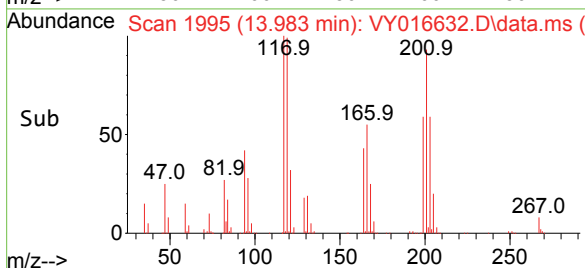
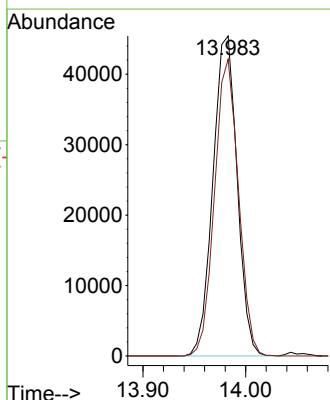
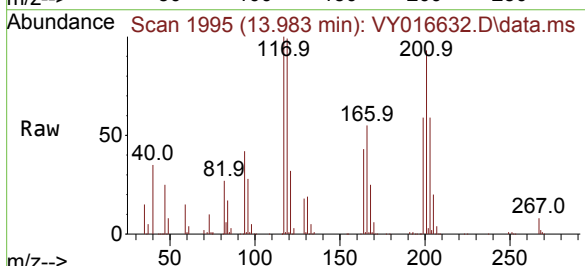
Acq: 07 Dec 2023 18:23

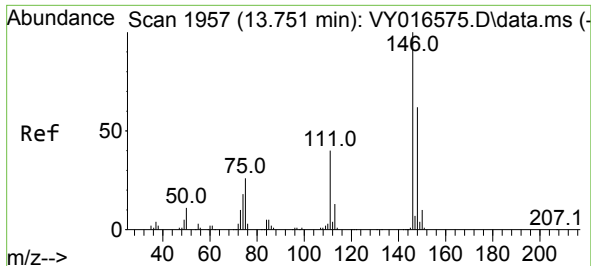
Tgt Ion: 117 Resp: 74320

Ion Ratio Lower Upper

117 100

201 91.5 41.6 124.8

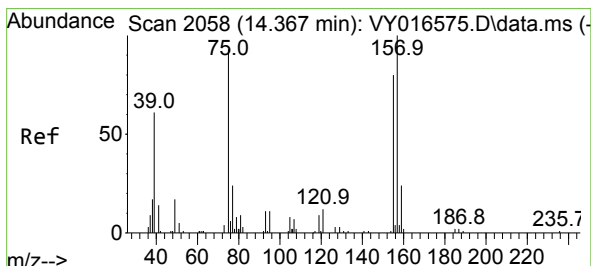
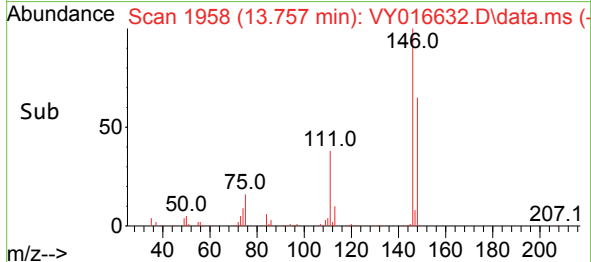
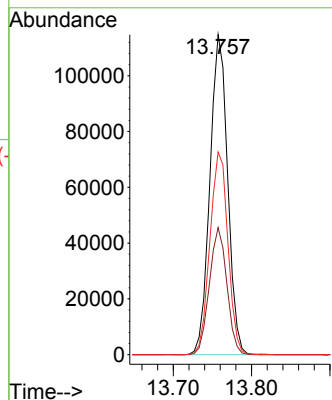
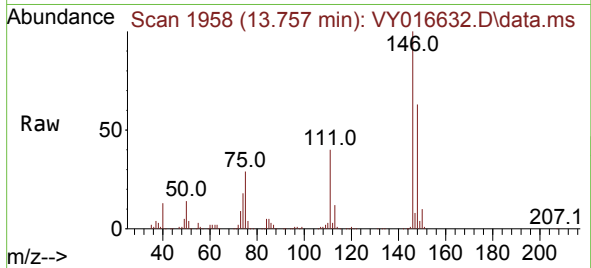




#91  
 1,2-Dichlorobenzene  
 Concen: 54.437 ug/l  
 RT: 13.757 min Scan# 1957  
 Delta R.T. 0.006 min  
 Lab File: VY016632.D  
 Acq: 07 Dec 2023 18:23

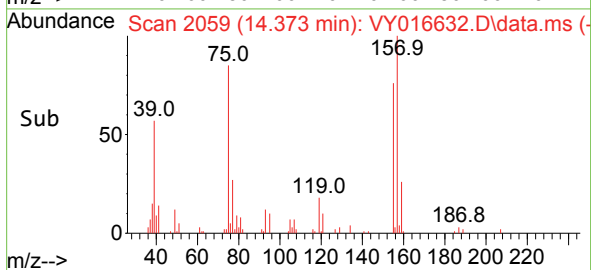
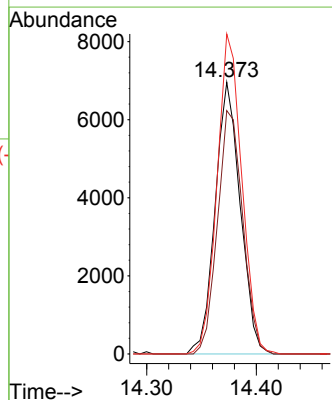
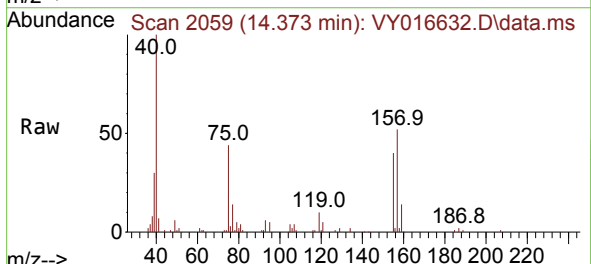
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

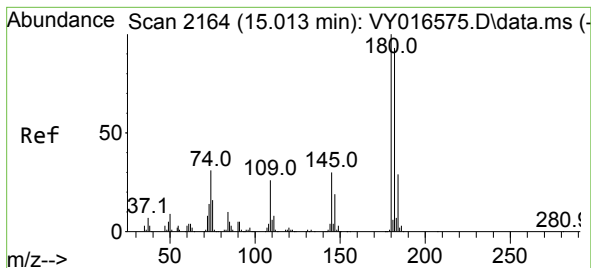
Tgt Ion:146 Resp: 180153  
 Ion Ratio Lower Upper  
 146 100  
 111 39.1 19.7 59.0  
 148 64.3 32.0 96.2



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 50.846 ug/l  
 RT: 14.373 min Scan# 2059  
 Delta R.T. 0.006 min  
 Lab File: VY016632.D  
 Acq: 07 Dec 2023 18:23

Tgt Ion: 75 Resp: 11088  
 Ion Ratio Lower Upper  
 75 100  
 155 89.8 41.5 124.6  
 157 116.2 51.8 155.5





#93

1,2,4-Trichlorobenzene

Concen: 57.843 ug/l

RT: 15.025 min Scan# 2166

Delta R.T. 0.012 min

Lab File: VY016632.D

Acq: 07 Dec 2023 18:23

Instrument :

MSVOA\_Y

ClientSampleId :

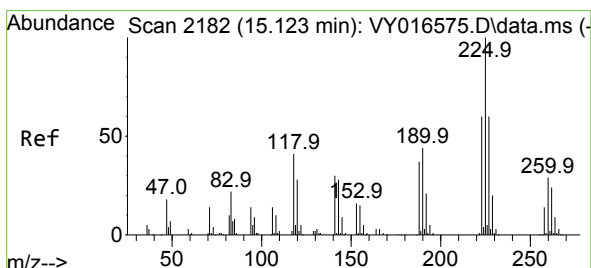
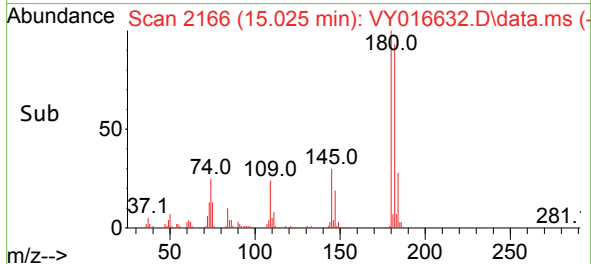
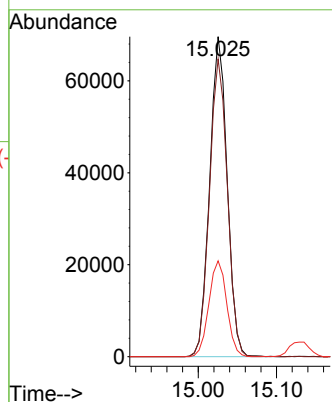
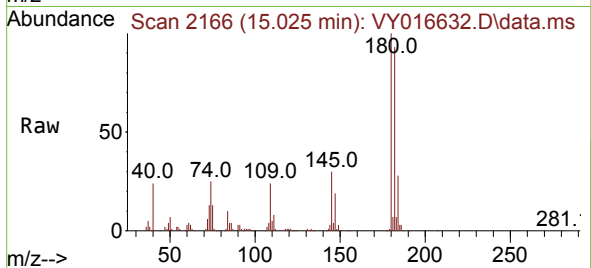
Tgt Ion:180 Resp: 108018

Ion Ratio Lower Upper

180 100

182 95.1 47.0 141.2

145 30.6 14.5 43.5



#94

Hexachlorobutadiene

Concen: 55.810 ug/l

RT: 15.129 min Scan# 2183

Delta R.T. 0.006 min

Lab File: VY016632.D

Acq: 07 Dec 2023 18:23

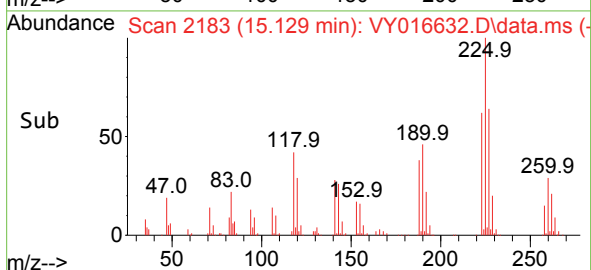
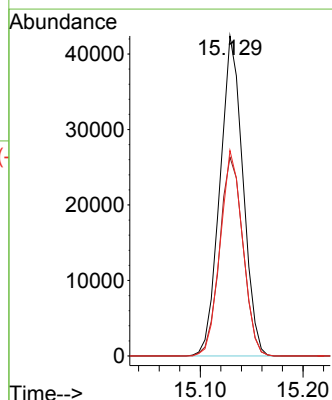
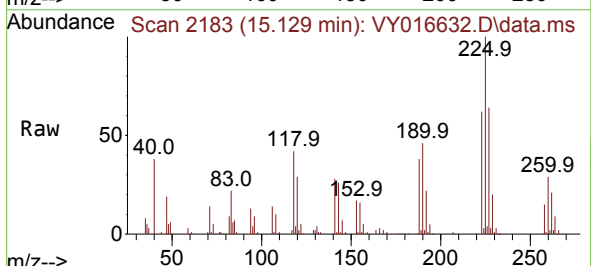
Tgt Ion:225 Resp: 65848

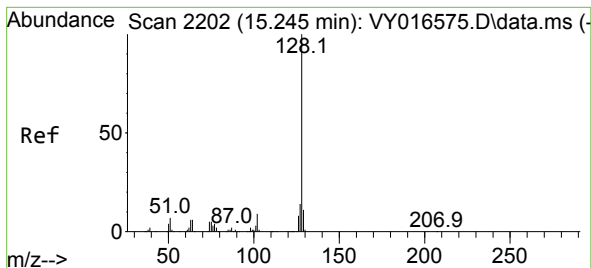
Ion Ratio Lower Upper

225 100

223 63.2 31.9 95.9

227 62.7 33.0 98.9





#95

Naphthalene

Concen: 58.291 ug/l

RT: 15.257 min Scan# 2202

Delta R.T. 0.012 min

Lab File: VY016632.D

Acq: 07 Dec 2023 18:23

Instrument :

MSVOA\_Y

ClientSampleId :

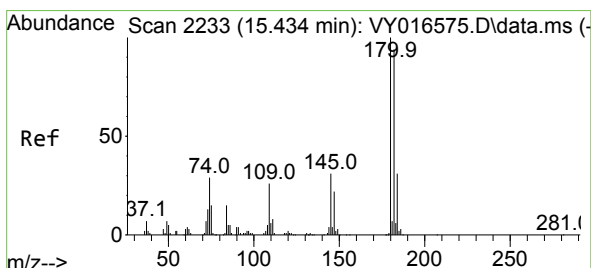
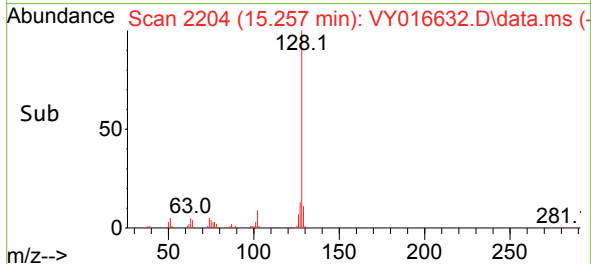
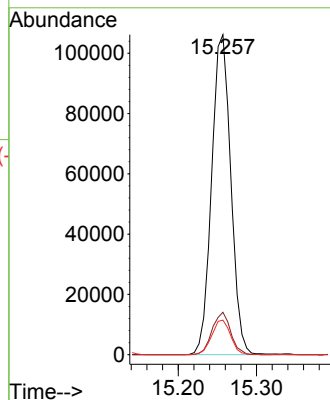
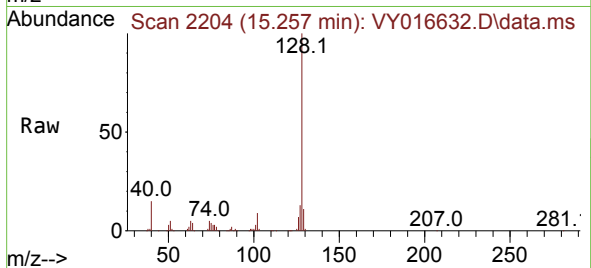
Tgt Ion:128 Resp: 180643

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: 59.180 ug/l

RT: 15.446 min Scan# 2235

Delta R.T. 0.012 min

Lab File: VY016632.D

Acq: 07 Dec 2023 18:23

Tgt Ion:180 Resp: 88285

Ion Ratio Lower Upper

180 100

182 97.3 47.3 141.8

145 31.7 15.4 46.2

