

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY031224\  
 Data File : VY017637.D  
 Acq On : 12 Mar 2024 11:00  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Mar 13 04:07:18 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y022324S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Feb 24 04:41:20 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 139710   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 229190   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.496 | 117  | 204207   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 97449    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.143  | 65    | 65572    | 49.523   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 99.040% |
| 35) Dibromofluoromethane    | 7.722  | 113   | 72260    | 45.245   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 90.500% |
| 50) Toluene-d8              | 10.185 | 98    | 264824   | 47.426   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 94.860% |
| 62) 4-Bromofluorobenzene    | 12.489 | 95    | 84620    | 48.220   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 96.440% |

|                              |       |     |        |         |        |     |
|------------------------------|-------|-----|--------|---------|--------|-----|
| Target Compounds             |       |     |        |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.906 | 85  | 36152  | 35.079  | ug/l   | 97  |
| 3) Chloromethane             | 2.113 | 50  | 84529  | 44.890  | ug/l   | 98  |
| 4) Vinyl Chloride            | 2.253 | 62  | 113744 | 47.085  | ug/l   | 99  |
| 5) Bromomethane              | 2.650 | 94  | 95752  | 48.639  | ug/l   | 96  |
| 6) Chloroethane              | 2.796 | 64  | 79745  | 52.329  | ug/l   | 98  |
| 7) Trichlorofluoromethane    | 3.125 | 101 | 97698  | 39.681  | ug/l   | 96  |
| 8) Diethyl Ether             | 3.527 | 74  | 33076  | 45.804  | ug/l   | 98  |
| 9) 1,1,2-Trichlorotrifluo... | 3.899 | 101 | 59126  | 41.751  | ug/l   | 99  |
| 10) Methyl Iodide            | 4.094 | 142 | 75936  | 47.779  | ug/l   | 100 |
| 11) Tert butyl alcohol       | 4.954 | 59  | 22157  | 197.000 | ug/l # | 81  |
| 12) 1,1-Dichloroethene       | 3.869 | 96  | 56461  | 42.780  | ug/l   | 98  |
| 13) Acrolein                 | 3.729 | 56  | 22567  | 152.066 | ug/l   | 99  |
| 14) Allyl chloride           | 4.479 | 41  | 75106  | 47.097  | ug/l   | 99  |
| 15) Acrylonitrile            | 5.161 | 53  | 71984  | 242.493 | ug/l   | 100 |
| 16) Acetone                  | 3.948 | 43  | 67203  | 261.677 | ug/l   | 91  |
| 17) Carbon Disulfide         | 4.192 | 76  | 169654 | 42.827  | ug/l   | 99  |
| 18) Methyl Acetate           | 4.479 | 43  | 32866  | 52.750  | ug/l   | 99  |
| 19) Methyl tert-butyl Ether  | 5.216 | 73  | 149988 | 48.758  | ug/l   | 98  |
| 20) Methylene Chloride       | 4.716 | 84  | 73058  | 48.225  | ug/l   | 97  |
| 21) trans-1,2-Dichloroethene | 5.216 | 96  | 69098  | 44.715  | ug/l   | 98  |
| 22) Diisopropyl ether        | 6.118 | 45  | 185195 | 50.326  | ug/l   | 96  |
| 23) Vinyl Acetate            | 6.058 | 43  | 558984 | 254.916 | ug/l   | 99  |
| 24) 1,1-Dichloroethane       | 6.015 | 63  | 117483 | 46.731  | ug/l   | 98  |
| 25) 2-Butanone               | 6.984 | 43  | 94979  | 259.508 | ug/l   | 97  |
| 26) 2,2-Dichloropropane      | 6.984 | 77  | 98885  | 46.782  | ug/l   | 99  |
| 27) cis-1,2-Dichloroethene   | 6.984 | 96  | 81320  | 46.870  | ug/l   | 99  |
| 28) Bromochloromethane       | 7.332 | 49  | 54044  | 54.583  | ug/l   | 96  |
| 29) Tetrahydrofuran          | 7.350 | 42  | 56224  | 254.839 | ug/l   | 97  |
| 30) Chloroform               | 7.508 | 83  | 124987 | 46.696  | ug/l   | 99  |
| 31) Cyclohexane              | 7.789 | 56  | 94701  | 43.949  | ug/l   | 98  |
| 32) 1,1,1-Trichloroethane    | 7.704 | 97  | 104430 | 44.939  | ug/l   | 97  |
| 36) 1,1-Dichloropropene      | 7.917 | 75  | 93936  | 43.594  | ug/l   | 99  |
| 37) Ethyl Acetate            | 7.076 | 43  | 39175  | 46.031  | ug/l   | 99  |
| 38) Carbon Tetrachloride     | 7.905 | 117 | 92438  | 42.804  | ug/l   | 94  |
| 39) Methylcyclohexane        | 9.191 | 83  | 111475 | 43.047  | ug/l   | 99  |
| 40) Benzene                  | 8.161 | 78  | 279993 | 43.755  | ug/l   | 99  |

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 Acq On : 12 Mar 2024 11:00  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Mar 13 04:07:18 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y022324S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Feb 24 04:41:20 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.344  | 41   | 52286    | 122.428 | ug/l # | 35       |
| 42) 1,2-Dichloroethane        | 8.240  | 62   | 72531    | 46.455  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.277  | 43   | 73861    | 49.387  | ug/l   | 98       |
| 44) Trichloroethene           | 8.941  | 130  | 78009    | 42.294  | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 9.222  | 63   | 69172    | 45.435  | ug/l   | 98       |
| 46) Dibromomethane            | 9.307  | 93   | 40332    | 46.289  | ug/l   | 97       |
| 47) Bromodichloromethane      | 9.502  | 83   | 96215    | 45.479  | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.295  | 41   | 34313    | 49.567  | ug/l   | 97       |
| 49) 1,4-Dioxane               | 9.307  | 88   | 8512     | 863.225 | ug/l # | 99       |
| 51) 4-Methyl-2-Pentanone      | 10.075 | 43   | 206443   | 247.679 | ug/l   | 100      |
| 52) Toluene                   | 10.252 | 92   | 181056   | 44.881  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.471 | 75   | 91794    | 46.747  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 9.935  | 75   | 108199   | 45.347  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 10.648 | 97   | 54592    | 44.129  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.514 | 69   | 68132    | 45.033  | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 10.794 | 76   | 91179    | 45.332  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.789  | 63   | 200504   | 280.872 | ug/l   | 100      |
| 59) 2-Hexanone                | 10.837 | 43   | 149138   | 260.494 | ug/l   | 99       |
| 60) Dibromochloromethane      | 10.990 | 129  | 66068    | 45.144  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.093 | 107  | 51235    | 44.942  | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.727 | 164  | 83693    | 42.700  | ug/l   | 98       |
| 65) Chlorobenzene             | 11.520 | 112  | 187964   | 43.365  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.593 | 131  | 70600    | 43.478  | ug/l   | 100      |
| 67) Ethyl Benzene             | 11.599 | 91   | 341993   | 44.990  | ug/l   | 97       |
| 68) m/p-Xylenes               | 11.709 | 106  | 270693   | 90.625  | ug/l   | 99       |
| 69) o-Xylene                  | 12.032 | 106  | 124127   | 44.793  | ug/l   | 99       |
| 70) Styrene                   | 12.050 | 104  | 208774   | 45.388  | ug/l   | 99       |
| 71) Bromoform                 | 12.215 | 173  | 40380    | 44.875  | ug/l # | 95       |
| 73) Isopropylbenzene          | 12.337 | 105  | 327801   | 45.278  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.148 | 43   | 64049    | 50.160  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 12.587 | 83   | 55763    | 44.853  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.636 | 75   | 75291    | 81.315  | ug/l # | 100      |
| 77) Bromobenzene              | 12.611 | 156  | 76297    | 43.517  | ug/l   | 99       |
| 78) n-propylbenzene           | 12.678 | 91   | 399944   | 46.039  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.764 | 91   | 217550   | 44.730  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.819 | 105  | 263457   | 45.421  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.386 | 75   | 18687    | 46.374  | ug/l   | 99       |
| 82) 4-Chlorotoluene           | 12.861 | 91   | 228318   | 45.896  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 13.081 | 119  | 227011   | 44.570  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.123 | 105  | 259059   | 45.240  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.257 | 105  | 352210   | 45.230  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.373 | 119  | 291538   | 45.734  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.373 | 146  | 153130   | 43.513  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.453 | 146  | 150427   | 43.967  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.703 | 91   | 267459   | 45.987  | ug/l   | 98       |
| 90) Hexachloroethane          | 13.965 | 117  | 55444    | 43.384  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 13.745 | 146  | 131519   | 44.183  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.361 | 75   | 7815     | 44.714  | ug/l   | 96       |
| 93) 1,2,4-Trichlorobenzene    | 15.013 | 180  | 67942    | 43.211  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.117 | 225  | 38800    | 39.969  | ug/l   | 98       |
| 95) Naphthalene               | 15.239 | 128  | 120331   | 40.319  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.428 | 180  | 57744    | 42.810  | ug/l   | 99       |

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Data File : VY017637.D  
Acq On : 12 Mar 2024 11:00  
Operator : SY/MD  
Sample : VSTDCCC050  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 2 Sample Multiplier: 1

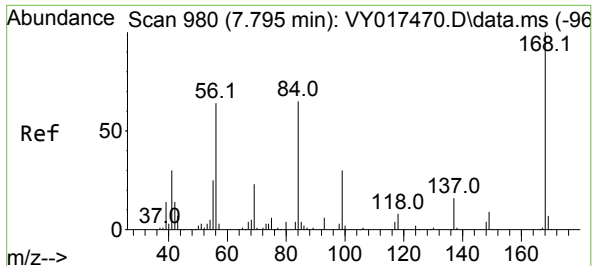
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

Quant Time: Mar 13 04:07:18 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y022324S.M  
Quant Title : SW846 8260  
QLast Update : Sat Feb 24 04:41:20 2024  
Response via : Initial Calibration

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

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

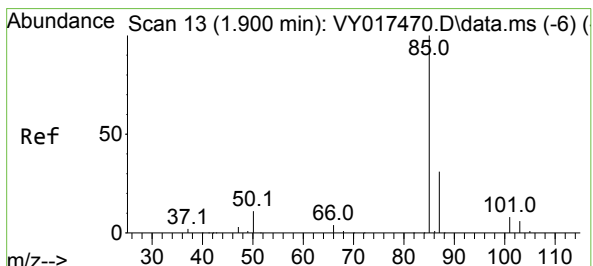
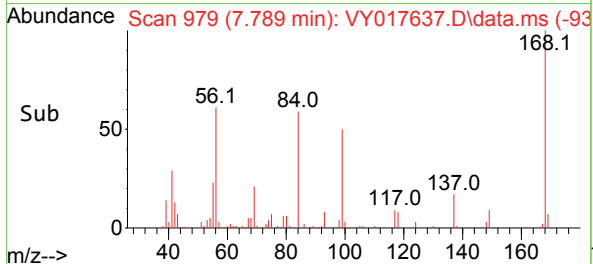
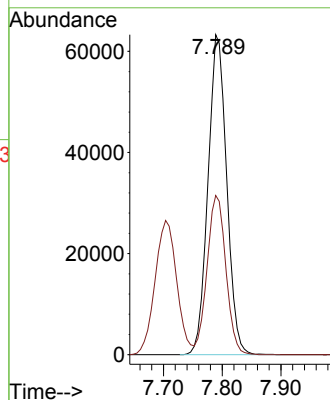
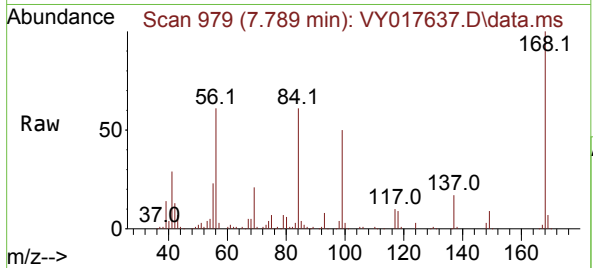




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY017637.D  
Acq: 12 Mar 2024 11:00

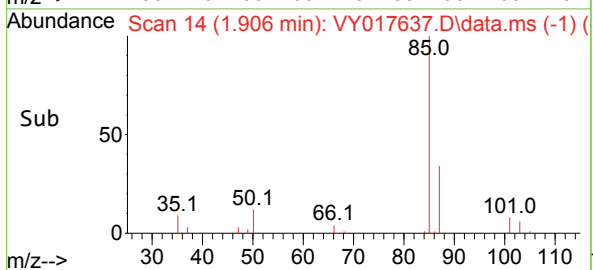
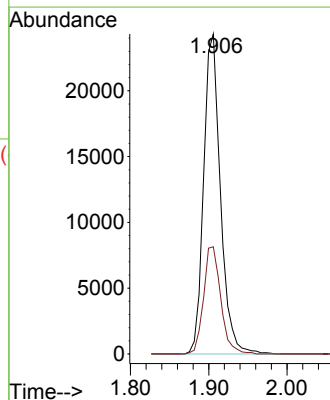
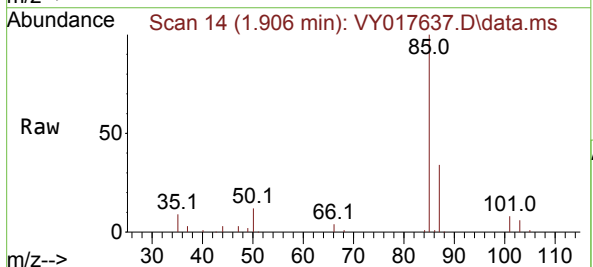
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

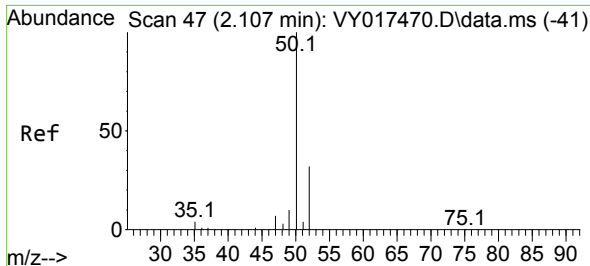
Tgt Ion:168 Resp: 139710  
Ion Ratio Lower Upper  
168 100  
99 49.8 39.1 58.7



#2  
Dichlorodifluoromethane  
Concen: 35.079 ug/l  
RT: 1.906 min Scan# 14  
Delta R.T. 0.006 min  
Lab File: VY017637.D  
Acq: 12 Mar 2024 11:00

Tgt Ion: 85 Resp: 36152  
Ion Ratio Lower Upper  
85 100  
87 33.5 16.0 48.0

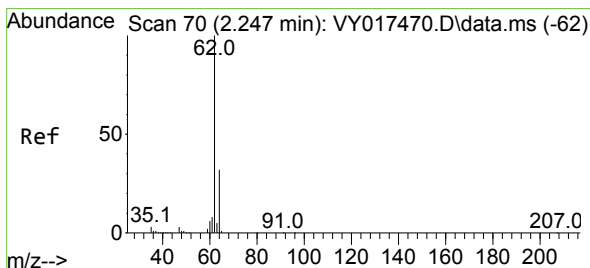
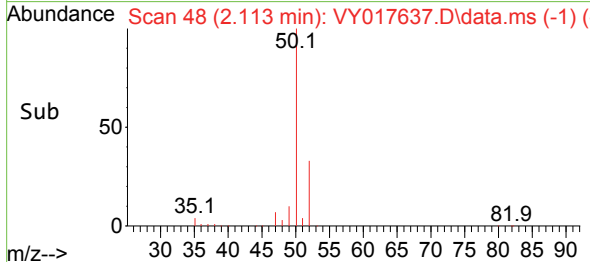
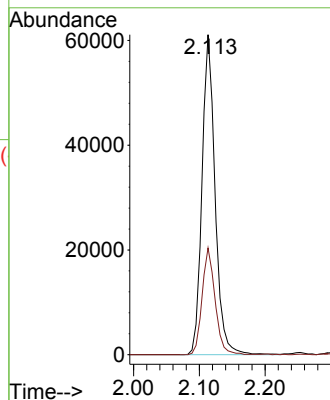
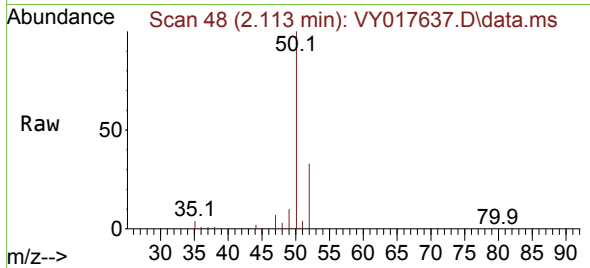




#3  
Chloromethane  
Concen: 44.890 ug/l  
RT: 2.113 min Scan# 41  
Delta R.T. 0.006 min  
Lab File: VY017637.D  
Acq: 12 Mar 2024 11:00

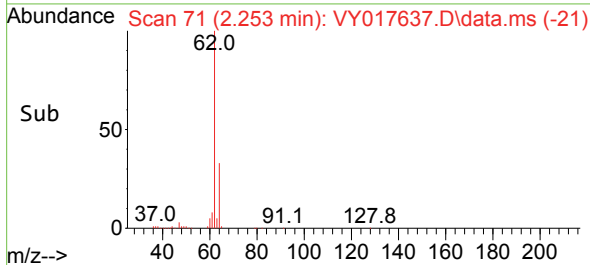
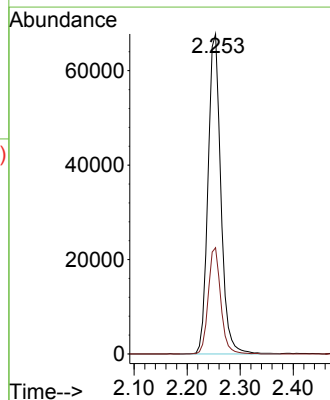
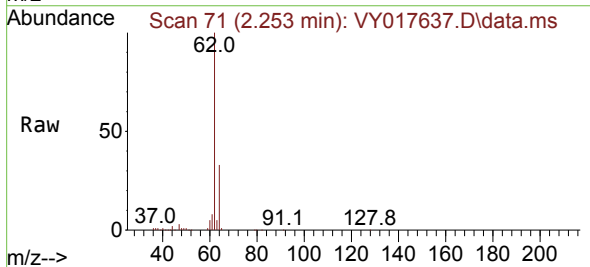
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

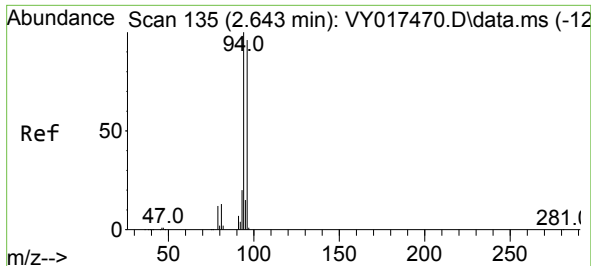
Tgt Ion: 50 Resp: 84529  
Ion Ratio Lower Upper  
50 100  
52 33.4 25.6 38.4



#4  
Vinyl Chloride  
Concen: 47.085 ug/l  
RT: 2.253 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VY017637.D  
Acq: 12 Mar 2024 11:00

Tgt Ion: 62 Resp: 113744  
Ion Ratio Lower Upper  
62 100  
64 33.2 26.1 39.1

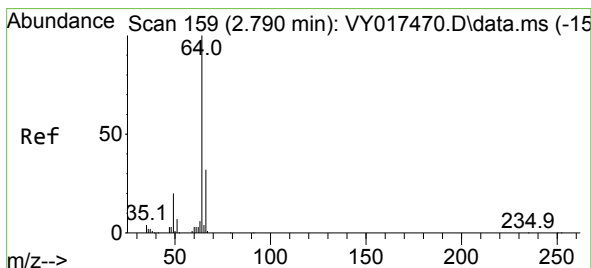
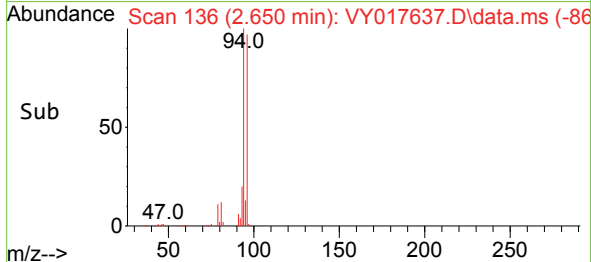
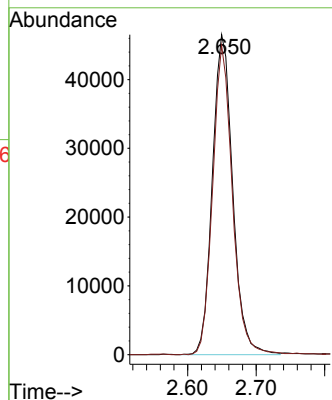
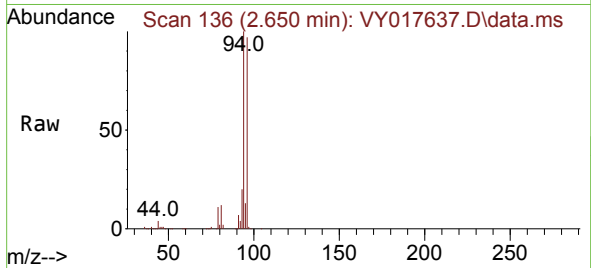




#5  
Bromomethane  
Concen: 48.639 ug/l  
RT: 2.650 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY017637.D  
Acq: 12 Mar 2024 11:00

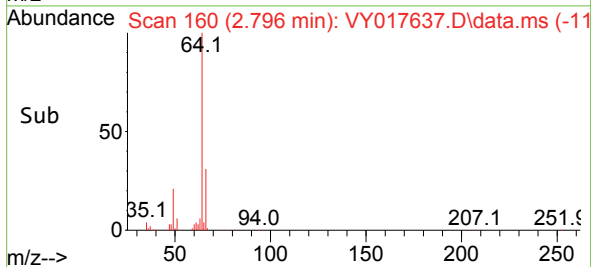
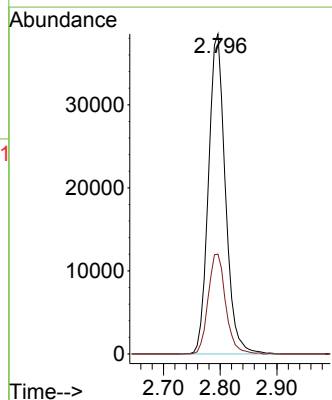
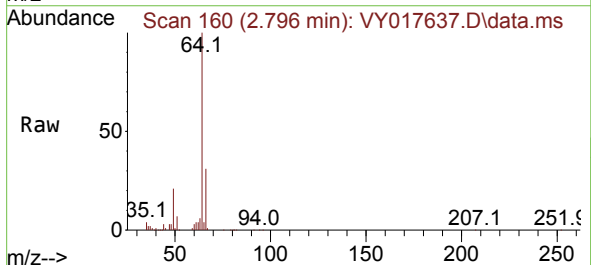
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

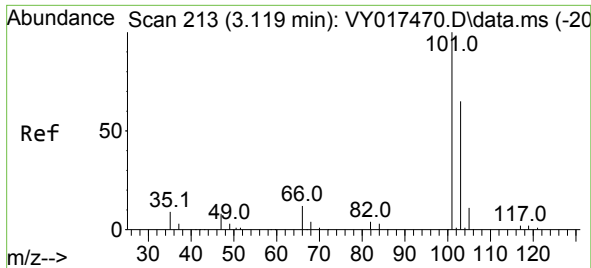
Tgt Ion: 94 Resp: 95752  
Ion Ratio Lower Upper  
94 100  
96 96.6 74.1 111.1



#6  
Chloroethane  
Concen: 52.329 ug/l  
RT: 2.796 min Scan# 160  
Delta R.T. 0.006 min  
Lab File: VY017637.D  
Acq: 12 Mar 2024 11:00

Tgt Ion: 64 Resp: 79745  
Ion Ratio Lower Upper  
64 100  
66 31.2 26.1 39.1

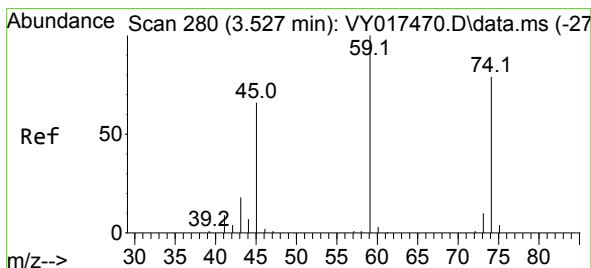
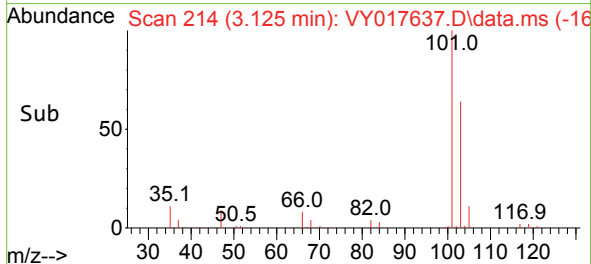
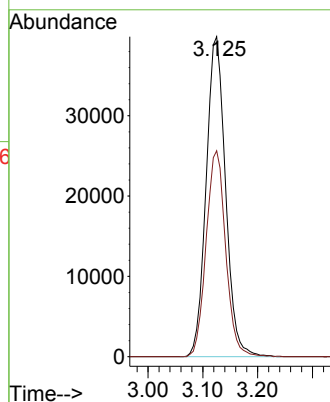
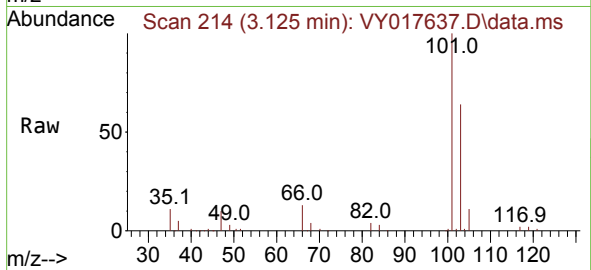




#7  
 Trichlorofluoromethane  
 Concen: 39.681 ug/l  
 RT: 3.125 min Scan# 213  
 Delta R.T. 0.006 min  
 Lab File: VY017637.D  
 Acq: 12 Mar 2024 11:00

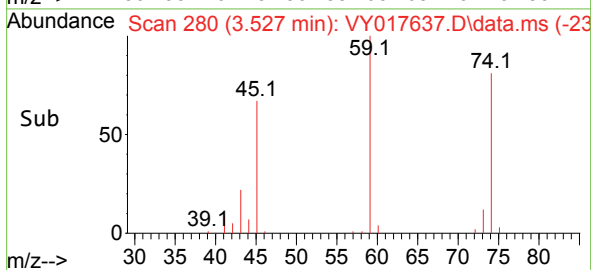
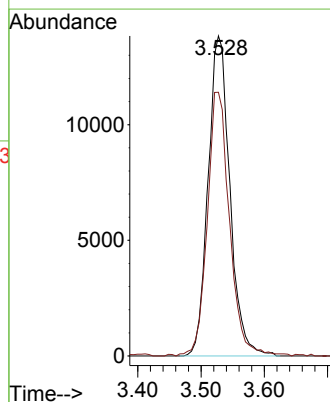
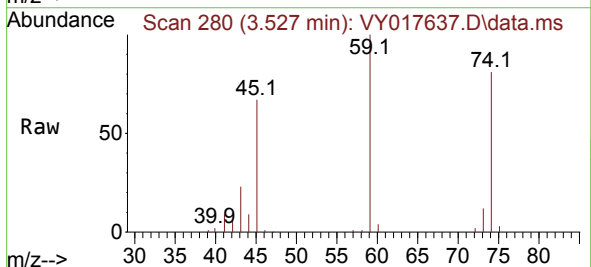
Instrument :  
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 ClientSampleId :  
 VSTDCCC050

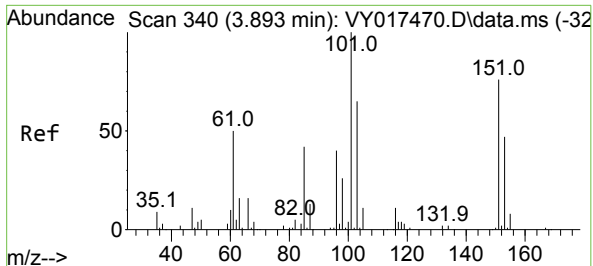
Tgt Ion:101 Resp: 97698  
 Ion Ratio Lower Upper  
 101 100  
 103 64.3 49.3 73.9



#8  
 Diethyl Ether  
 Concen: 45.804 ug/l  
 RT: 3.527 min Scan# 280  
 Delta R.T. 0.000 min  
 Lab File: VY017637.D  
 Acq: 12 Mar 2024 11:00

Tgt Ion: 74 Resp: 33076  
 Ion Ratio Lower Upper  
 74 100  
 45 84.3 41.3 124.1

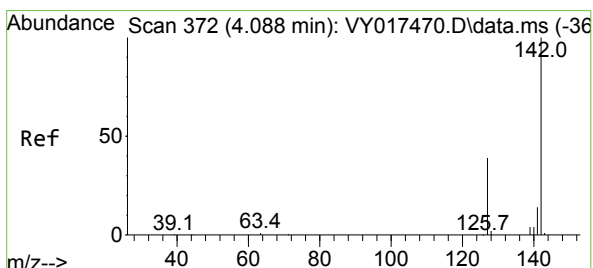
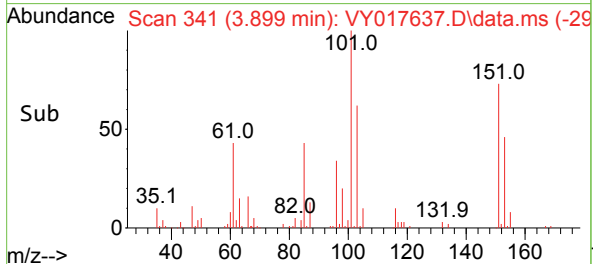
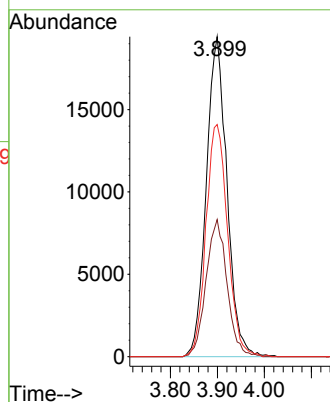
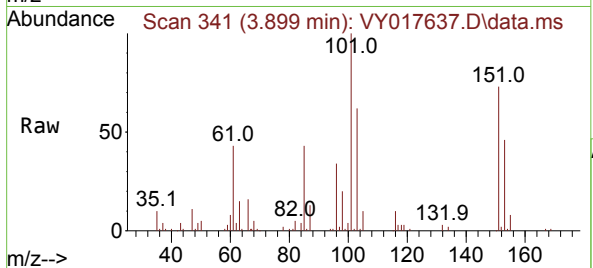




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 41.751 ug/l  
RT: 3.899 min Scan# 341  
Delta R.T. 0.006 min  
Lab File: VY017637.D  
Acq: 12 Mar 2024 11:00

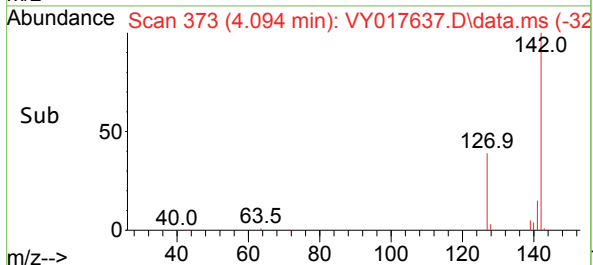
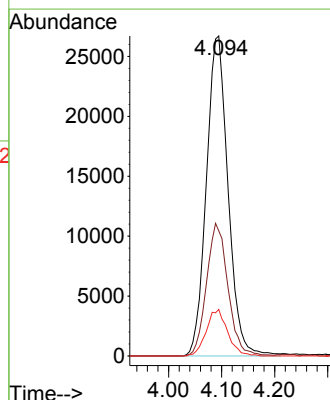
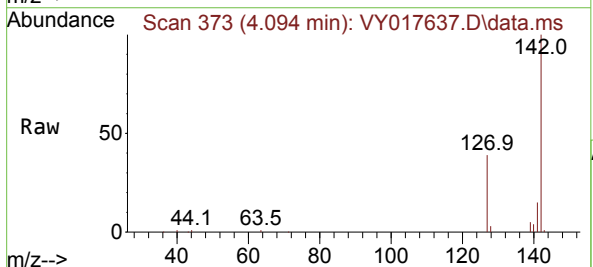
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

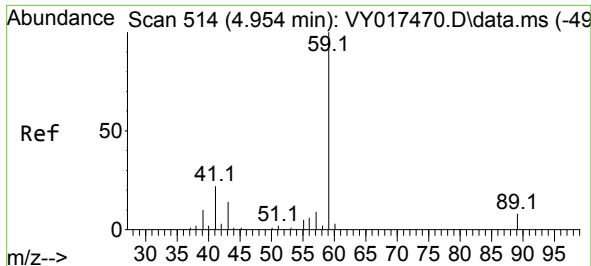
Tgt Ion:101 Resp: 59126  
Ion Ratio Lower Upper  
101 100  
85 43.7 34.5 51.7  
151 76.0 61.7 92.5



#10  
Methyl Iodide  
Concen: 47.779 ug/l  
RT: 4.094 min Scan# 373  
Delta R.T. 0.006 min  
Lab File: VY017637.D  
Acq: 12 Mar 2024 11:00

Tgt Ion:142 Resp: 75936  
Ion Ratio Lower Upper  
142 100  
127 40.9 32.8 49.2  
141 14.3 11.4 17.2

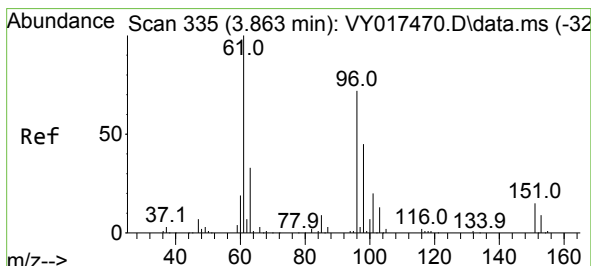
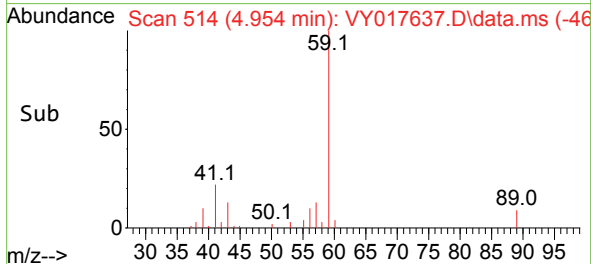
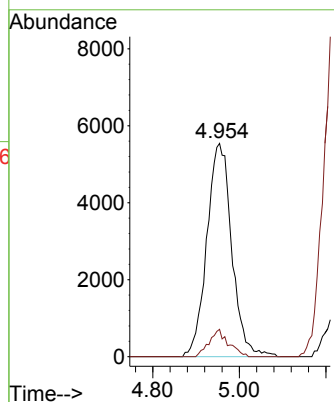
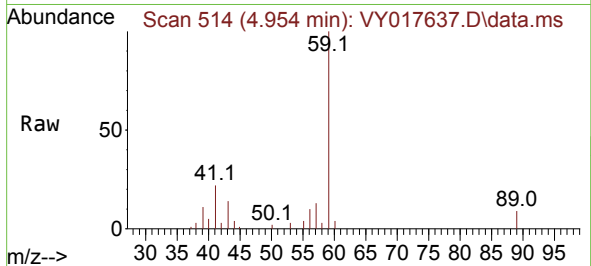




#11  
Tert butyl alcohol  
Concen: 197.000 ug/l  
RT: 4.954 min Scan# 514  
Delta R.T. 0.000 min  
Lab File: VY017637.D  
Acq: 12 Mar 2024 11:00

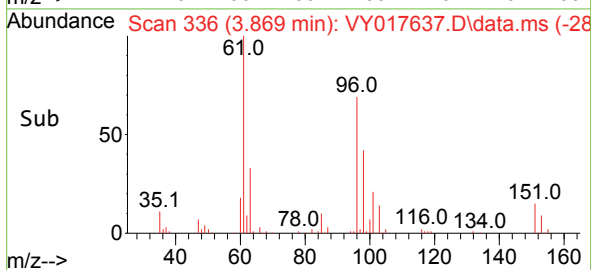
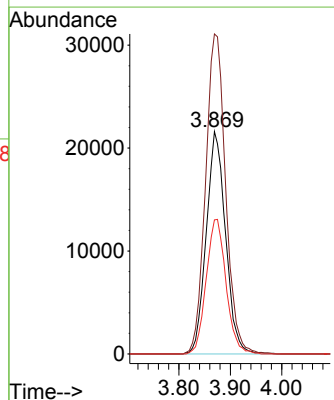
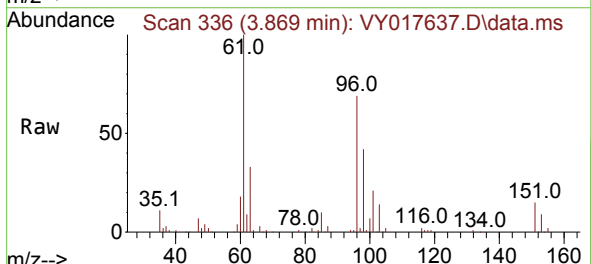
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

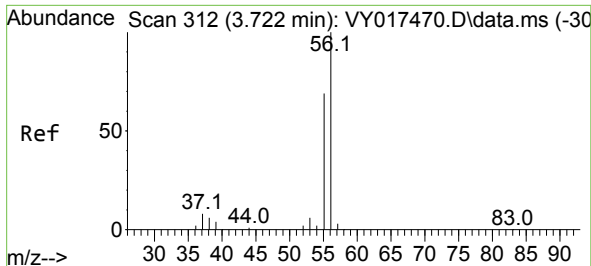
Tgt Ion: 59 Resp: 22157  
Ion Ratio Lower Upper  
59 100  
57 9.9 3.0 4.6#



#12  
1,1-Dichloroethene  
Concen: 42.780 ug/l  
RT: 3.869 min Scan# 336  
Delta R.T. 0.006 min  
Lab File: VY017637.D  
Acq: 12 Mar 2024 11:00

Tgt Ion: 96 Resp: 56461  
Ion Ratio Lower Upper  
96 100  
61 143.9 114.6 171.8  
98 60.3 50.8 76.2

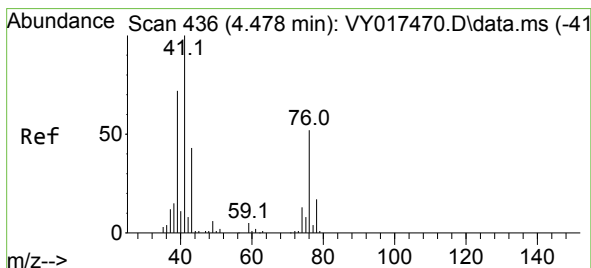
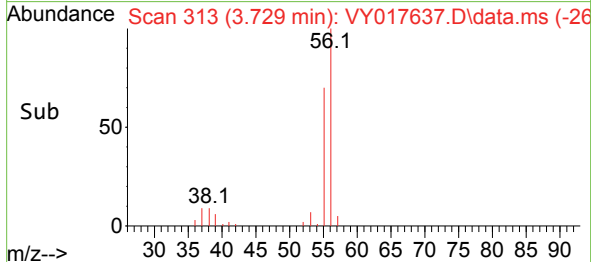
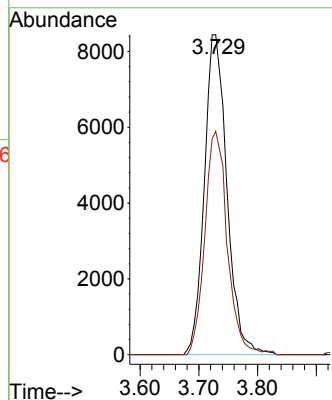
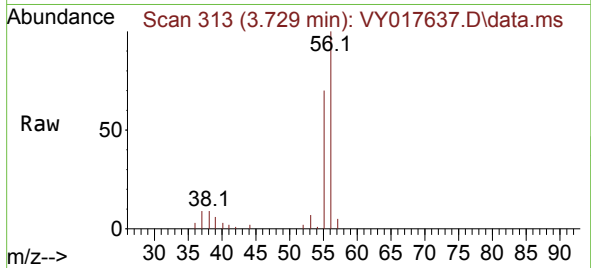




#13  
Acrolein  
Concen: 152.066 ug/l  
RT: 3.729 min Scan# 312  
Delta R.T. 0.006 min  
Lab File: VY017637.D  
Acq: 12 Mar 2024 11:00

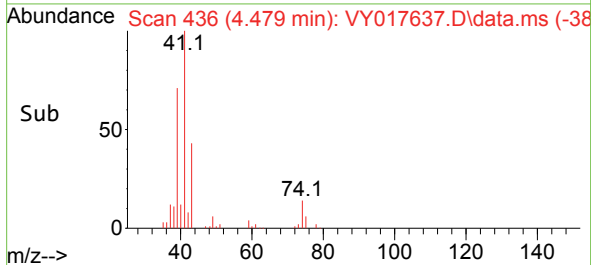
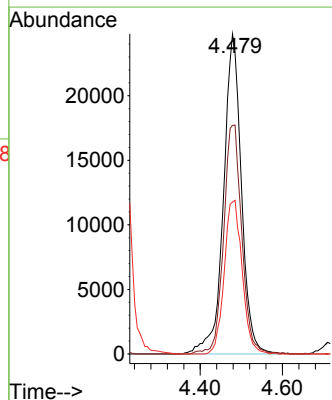
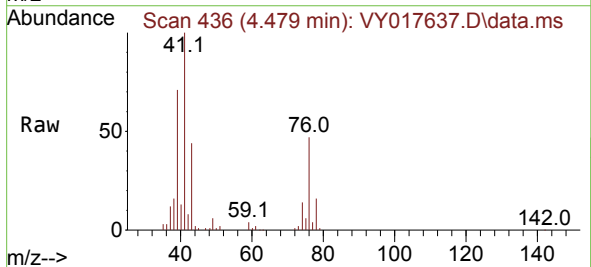
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

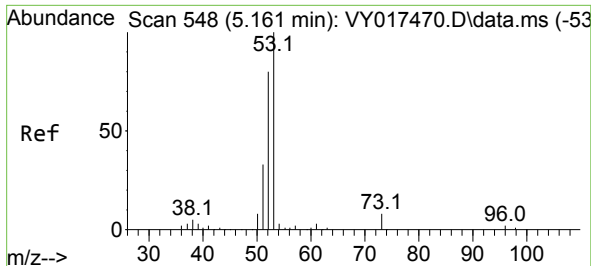
Tgt Ion: 56 Resp: 22567  
Ion Ratio Lower Upper  
56 100  
55 69.0 55.7 83.5



#14  
Allyl chloride  
Concen: 47.097 ug/l  
RT: 4.479 min Scan# 436  
Delta R.T. 0.000 min  
Lab File: VY017637.D  
Acq: 12 Mar 2024 11:00

Tgt Ion: 41 Resp: 75106  
Ion Ratio Lower Upper  
41 100  
39 72.4 58.3 87.5  
76 47.8 39.0 58.6

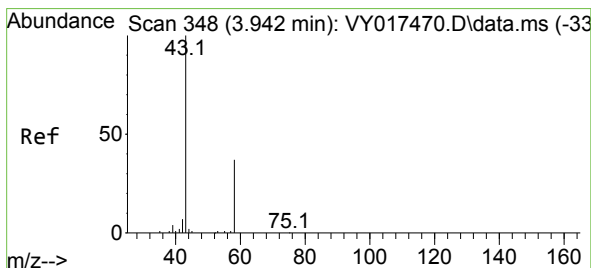
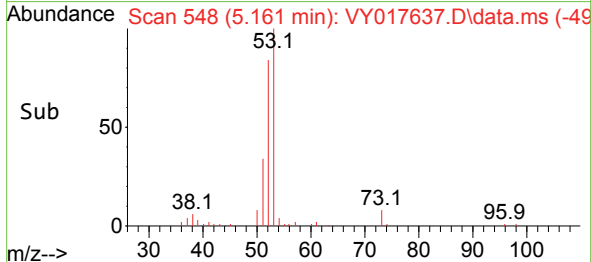
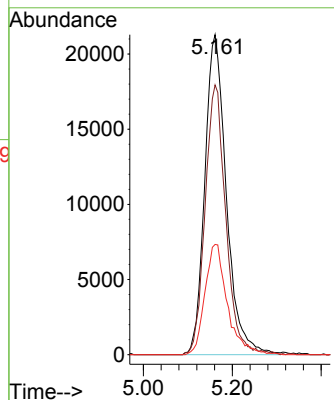
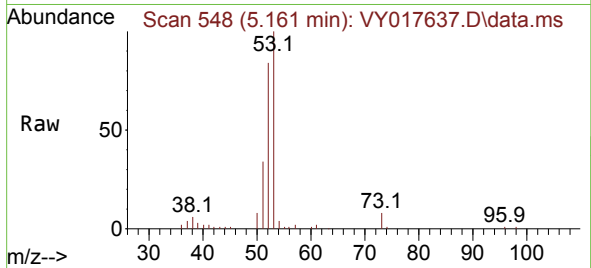




#15  
Acrylonitrile  
Concen: 242.493 ug/l  
RT: 5.161 min Scan# 54  
Delta R.T. 0.000 min  
Lab File: VY017637.D  
Acq: 12 Mar 2024 11:00

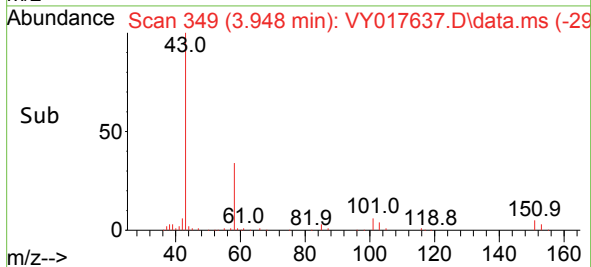
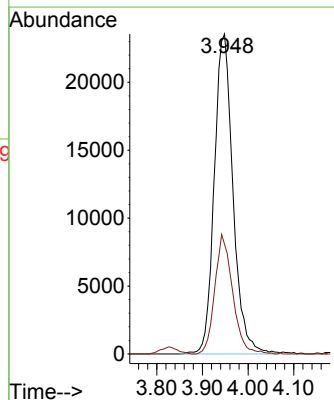
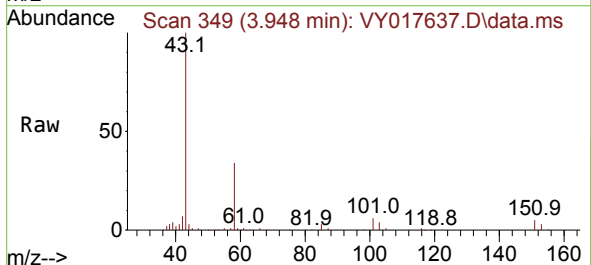
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

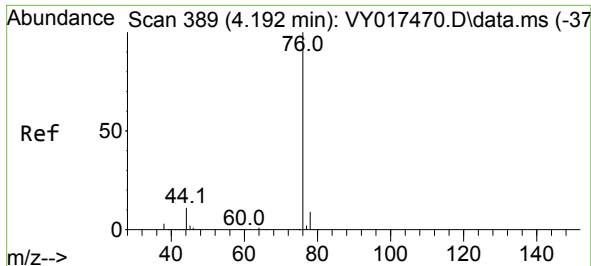
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 53 | Resp: | 71984       |
| Ion         | Ratio | Lower Upper |
| 53          | 100   |             |
| 52          | 80.8  | 64.7 97.1   |
| 51          | 35.8  | 28.4 42.6   |



#16  
Acetone  
Concen: 261.677 ug/l  
RT: 3.948 min Scan# 349  
Delta R.T. 0.006 min  
Lab File: VY017637.D  
Acq: 12 Mar 2024 11:00

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 43 | Resp: | 67203       |
| Ion         | Ratio | Lower Upper |
| 43          | 100   |             |
| 58          | 34.0  | 31.7 47.5   |

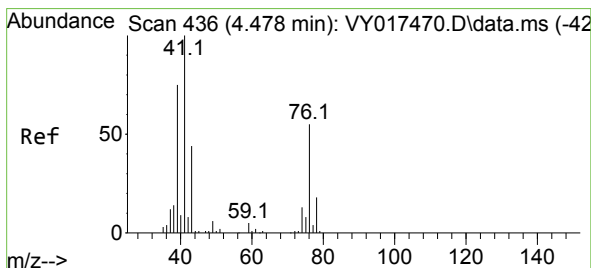
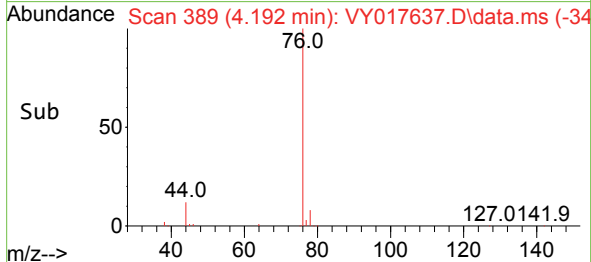
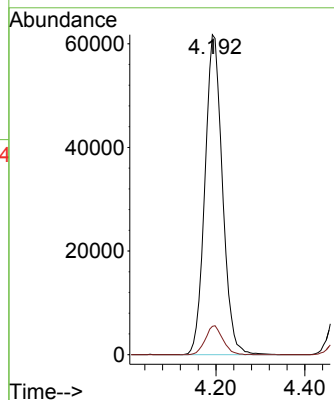
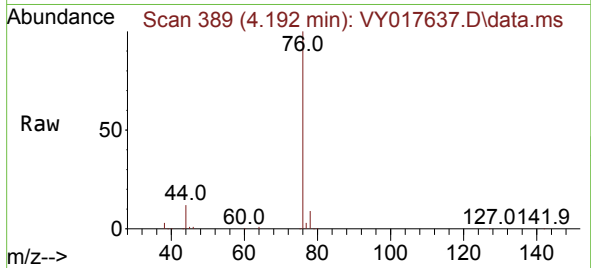




#17  
Carbon Disulfide  
Concen: 42.827 ug/l  
RT: 4.192 min Scan# 389  
Delta R.T. 0.000 min  
Lab File: VY017637.D  
Acq: 12 Mar 2024 11:00

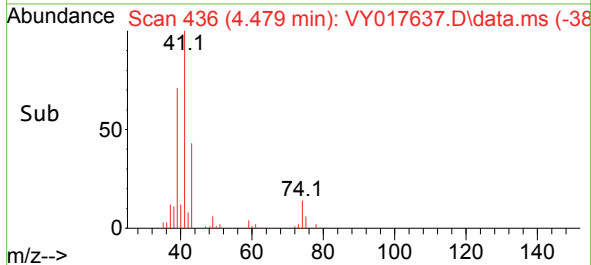
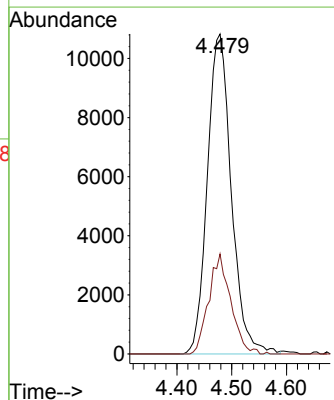
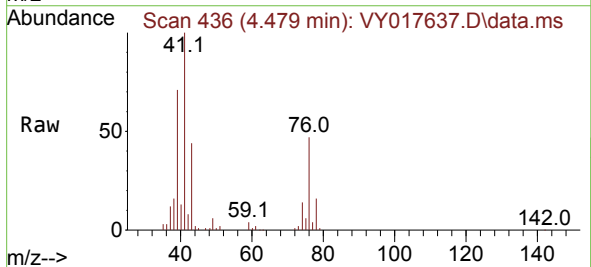
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

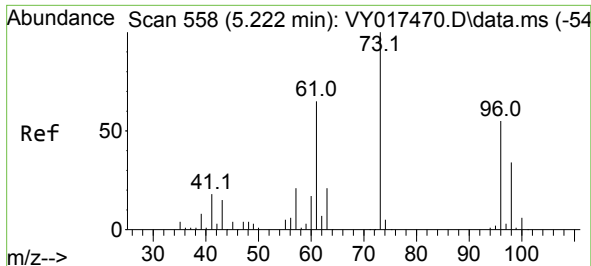
Tgt Ion: 76 Resp: 169654  
Ion Ratio Lower Upper  
76 100  
78 8.8 6.8 10.2



#18  
Methyl Acetate  
Concen: 52.750 ug/l  
RT: 4.479 min Scan# 436  
Delta R.T. 0.000 min  
Lab File: VY017637.D  
Acq: 12 Mar 2024 11:00

Tgt Ion: 43 Resp: 32866  
Ion Ratio Lower Upper  
43 100  
74 28.6 23.3 34.9

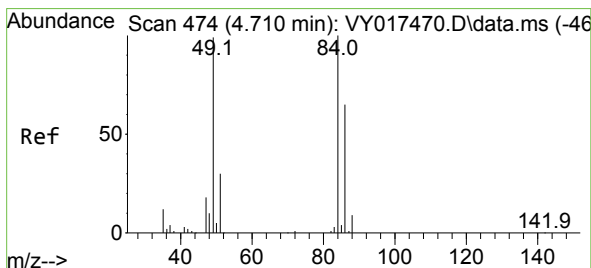
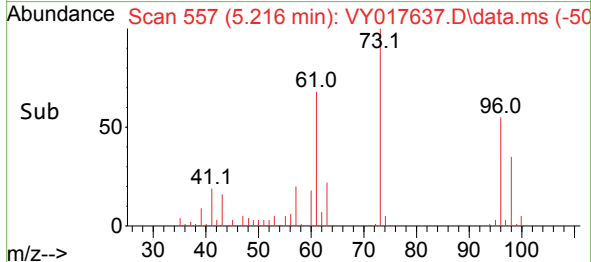
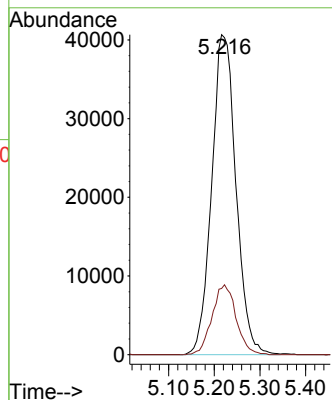
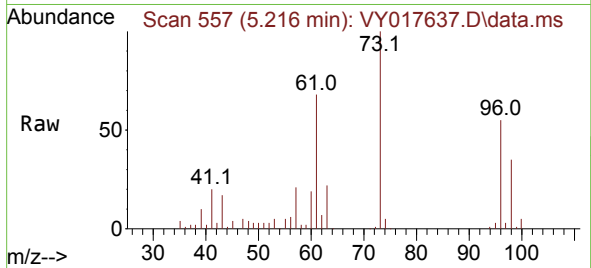




#19  
Methyl tert-butyl Ether  
Concen: 48.758 ug/l  
RT: 5.216 min Scan# 51  
Delta R.T. -0.006 min  
Lab File: VY017637.D  
Acq: 12 Mar 2024 11:00

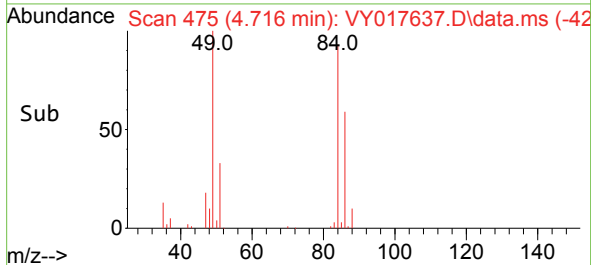
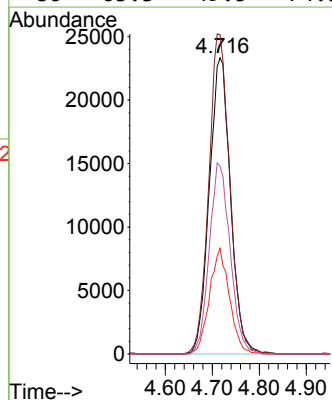
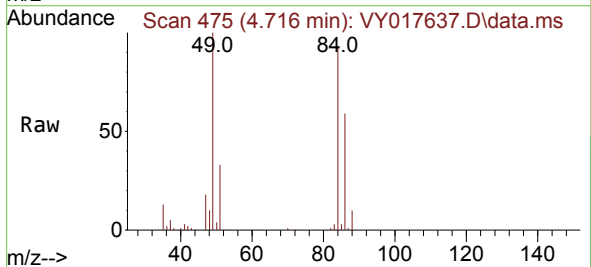
Instrument :  
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ClientSampleId :  
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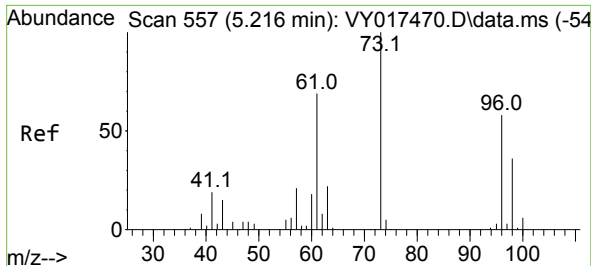
Tgt Ion: 73 Resp: 149988  
Ion Ratio Lower Upper  
73 100  
57 20.7 17.3 25.9



#20  
Methylene Chloride  
Concen: 48.225 ug/l  
RT: 4.716 min Scan# 475  
Delta R.T. 0.006 min  
Lab File: VY017637.D  
Acq: 12 Mar 2024 11:00

Tgt Ion: 84 Resp: 73058  
Ion Ratio Lower Upper  
84 100  
49 107.8 84.4 126.6  
51 35.7 26.0 39.0  
86 63.3 49.5 74.3

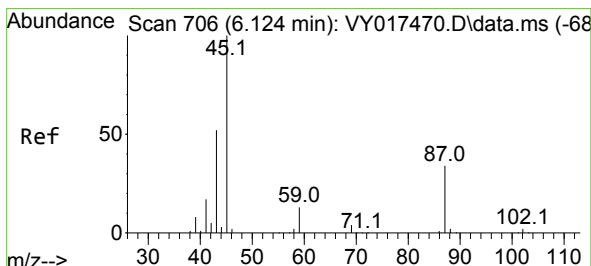
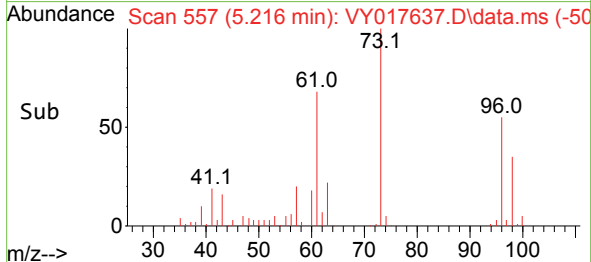
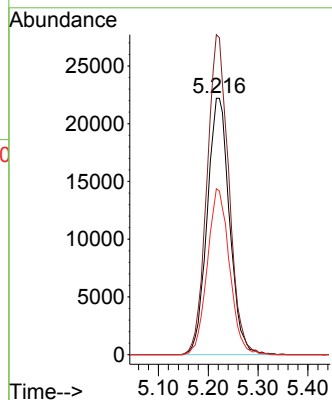
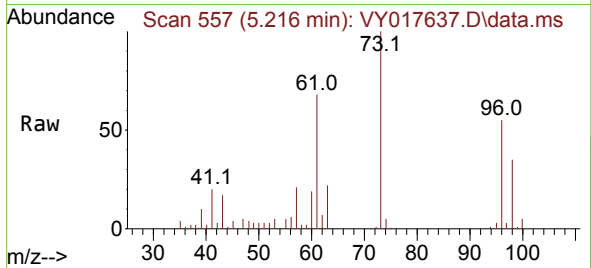




#21  
trans-1,2-Dichloroethene  
Concen: 44.715 ug/l  
RT: 5.216 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: VY017637.D  
Acq: 12 Mar 2024 11:00

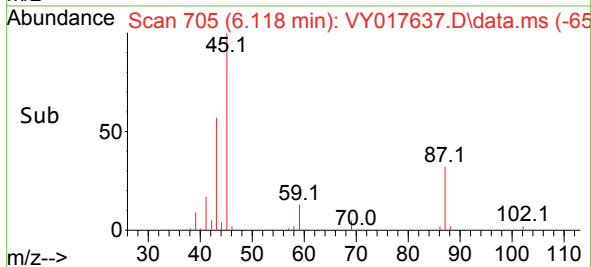
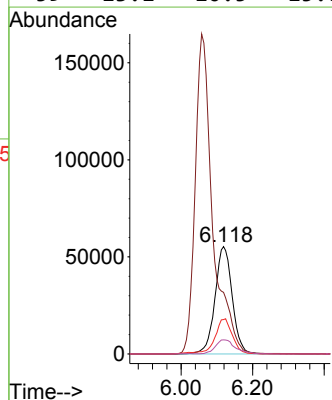
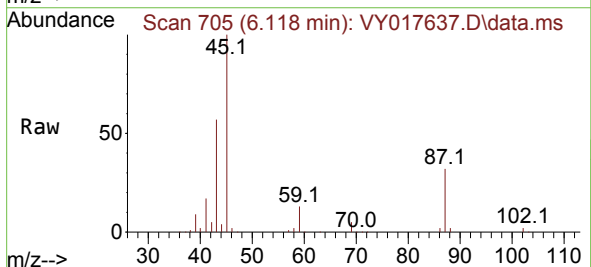
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

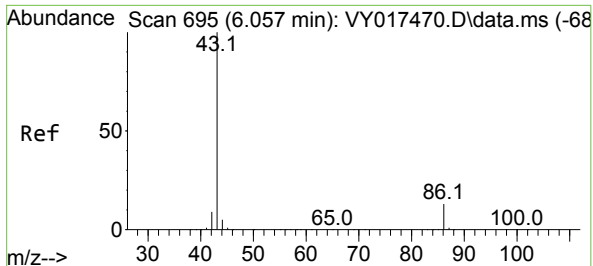
Tgt Ion: 96 Resp: 69098  
Ion Ratio Lower Upper  
96 100  
61 124.8 97.5 146.3  
98 64.7 50.5 75.7



#22  
Diisopropyl ether  
Concen: 50.326 ug/l  
RT: 6.118 min Scan# 705  
Delta R.T. -0.006 min  
Lab File: VY017637.D  
Acq: 12 Mar 2024 11:00

Tgt Ion: 45 Resp: 185195  
Ion Ratio Lower Upper  
45 100  
43 56.9 42.2 63.2  
87 32.0 25.0 37.6  
59 13.1 10.5 15.7

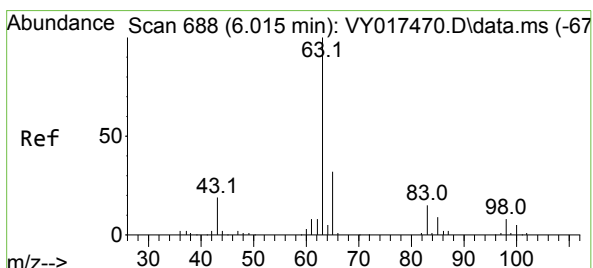
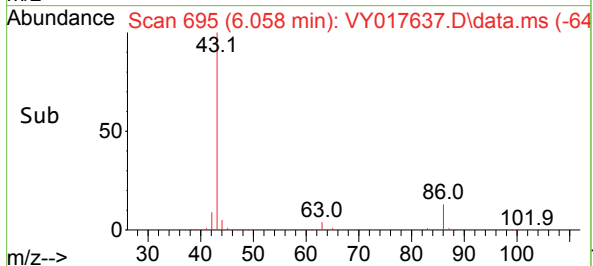
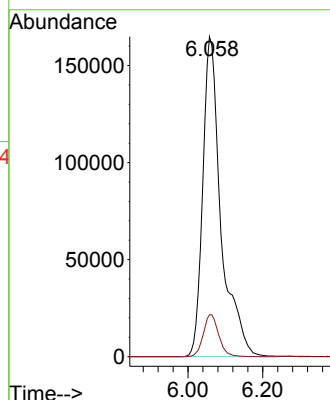
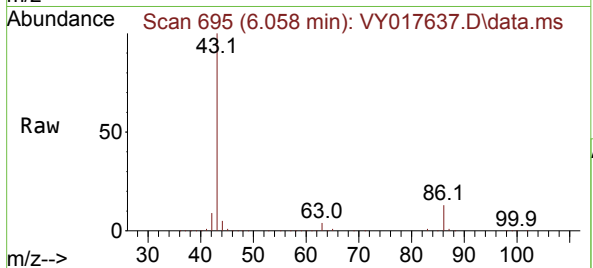




#23  
 Vinyl Acetate  
 Concen: 254.916 ug/l  
 RT: 6.058 min Scan# 695  
 Delta R.T. 0.000 min  
 Lab File: VY017637.D  
 Acq: 12 Mar 2024 11:00

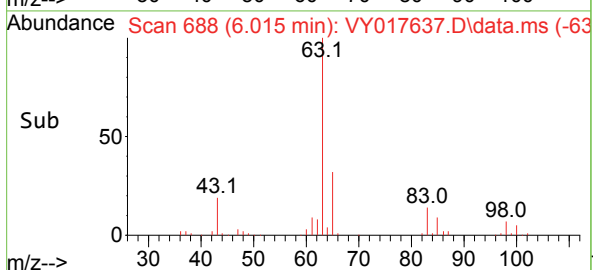
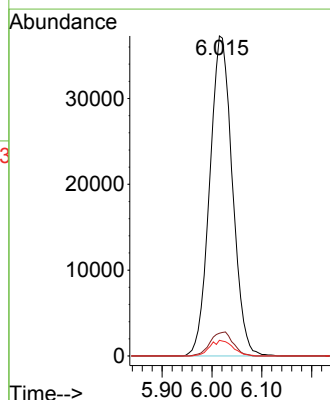
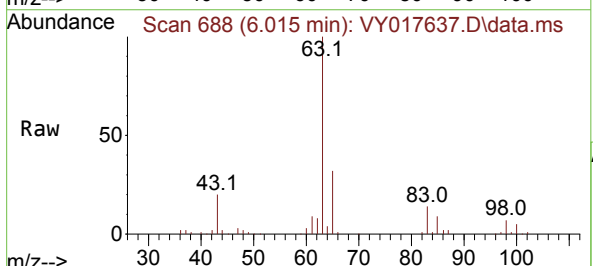
Instrument :  
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 ClientSampleId :  
 VSTDCCC050

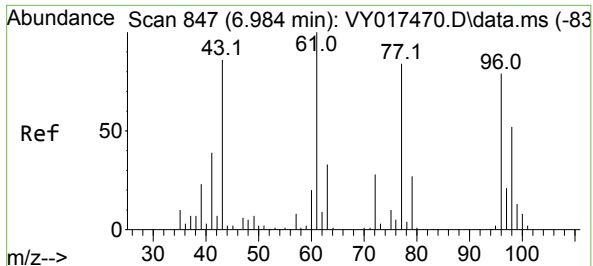
Tgt Ion: 43 Resp: 558984  
 Ion Ratio Lower Upper  
 43 100  
 86 13.1 10.6 16.0



#24  
 1,1-Dichloroethane  
 Concen: 46.731 ug/l  
 RT: 6.015 min Scan# 688  
 Delta R.T. 0.000 min  
 Lab File: VY017637.D  
 Acq: 12 Mar 2024 11:00

Tgt Ion: 63 Resp: 117483  
 Ion Ratio Lower Upper  
 63 100  
 98 7.1 4.0 12.2  
 100 4.9 2.6 8.0





#25

2-Butanone

Concen: 259.508 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY017637.D

Acq: 12 Mar 2024 11:00

Instrument :

MSVOA\_Y

ClientSampleId :

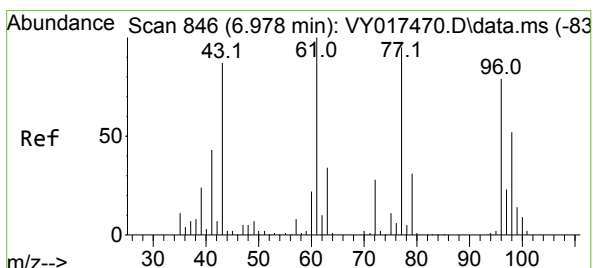
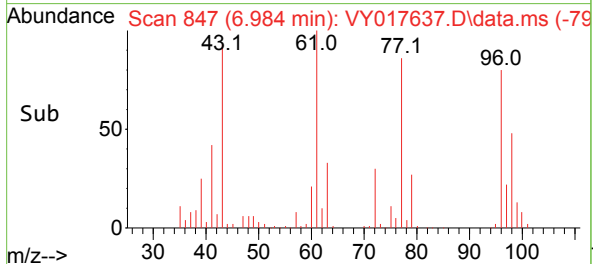
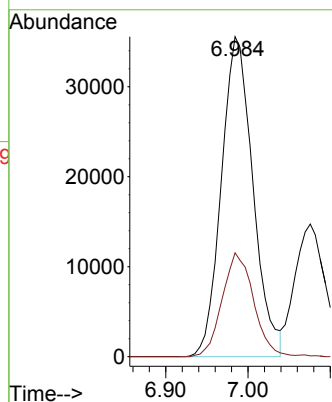
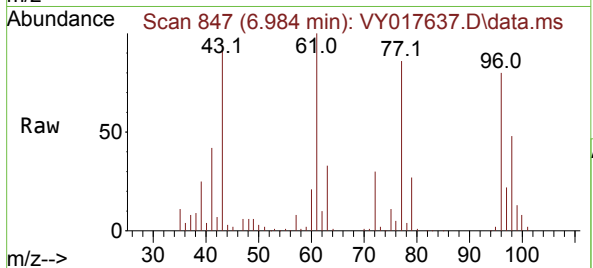
VSTDCCC050

Tgt Ion: 43 Resp: 94979

Ion Ratio Lower Upper

43 100

72 32.5 27.3 40.9



#26

2,2-Dichloropropane

Concen: 46.782 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.006 min

Lab File: VY017637.D

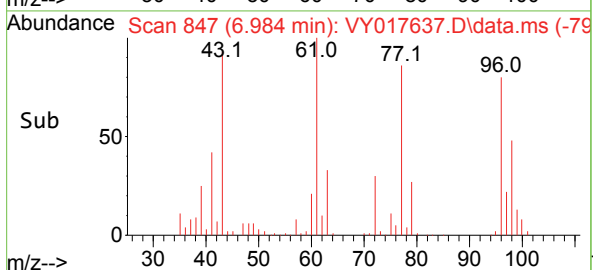
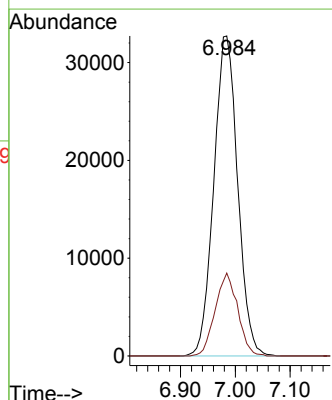
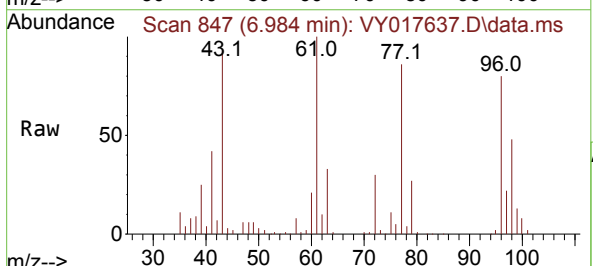
Acq: 12 Mar 2024 11:00

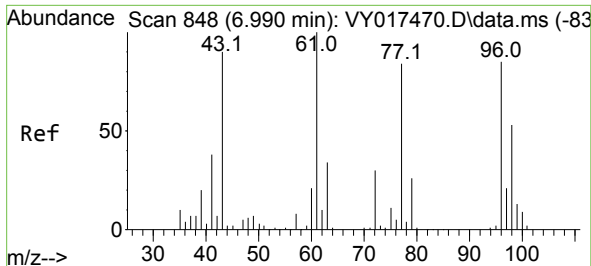
Tgt Ion: 77 Resp: 98885

Ion Ratio Lower Upper

77 100

97 24.5 12.0 36.1





#27

cis-1,2-Dichloroethene

Concen: 46.870 ug/l

RT: 6.984 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY017637.D

Acq: 12 Mar 2024 11:00

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

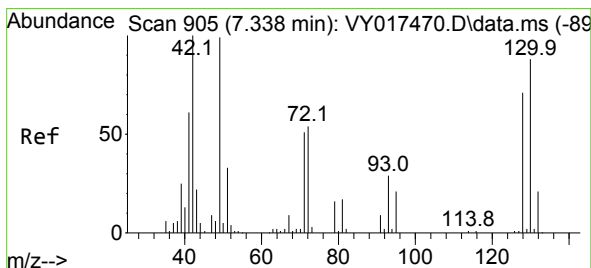
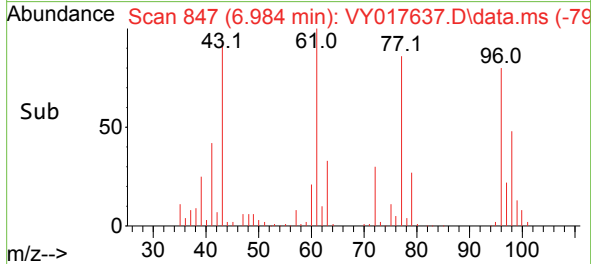
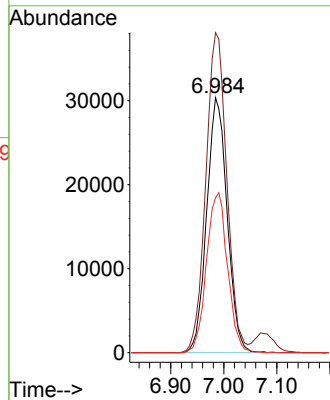
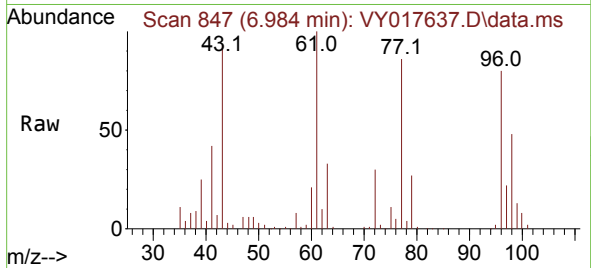
Tgt Ion: 96 Resp: 81320

Ion Ratio Lower Upper

96 100

61 128.8 0.0 256.2

98 64.5 0.0 130.0



#28

Bromochloromethane

Concen: 54.583 ug/l

RT: 7.332 min Scan# 904

Delta R.T. -0.006 min

Lab File: VY017637.D

Acq: 12 Mar 2024 11:00

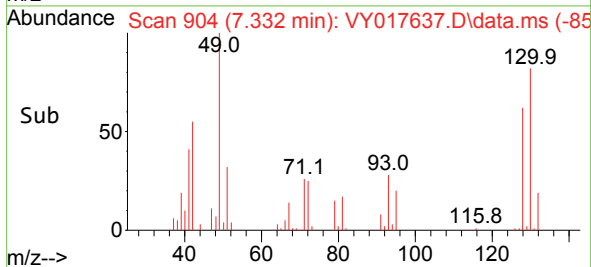
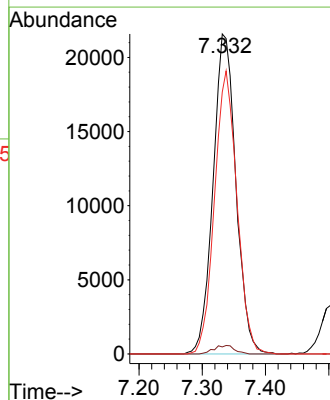
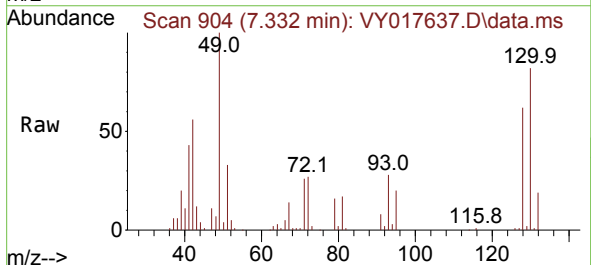
Tgt Ion: 49 Resp: 54044

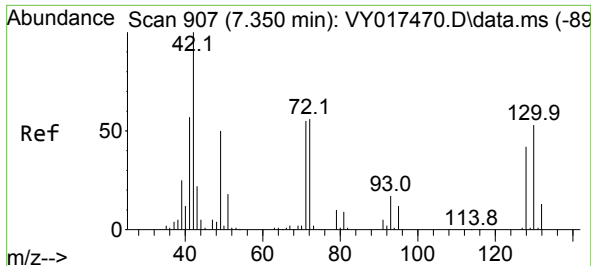
Ion Ratio Lower Upper

49 100

129 2.4 0.0 4.6

130 86.8 72.7 109.1





#29

Tetrahydrofuran

Concen: 254.839 ug/l

RT: 7.350 min Scan# 907

Delta R.T. 0.000 min

Lab File: VY017637.D

Acq: 12 Mar 2024 11:00

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

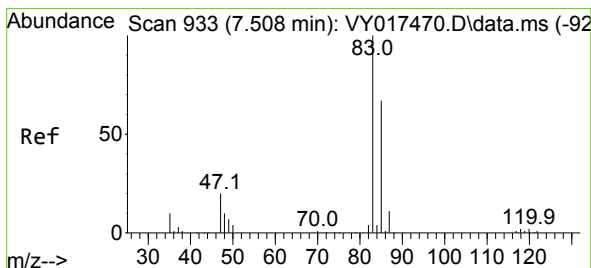
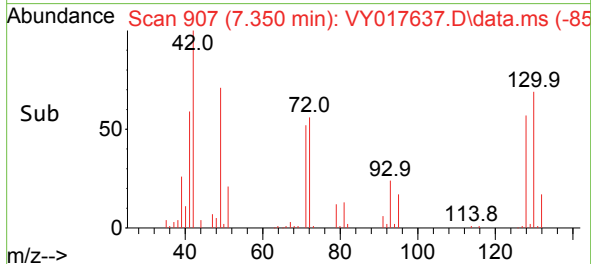
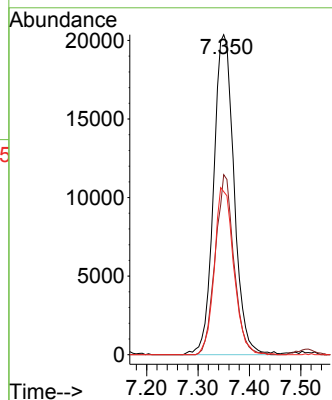
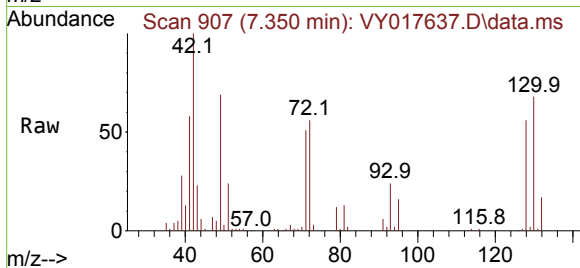
Tgt Ion: 42 Resp: 56224

Ion Ratio Lower Upper

42 100

72 51.5 43.0 64.4

71 49.5 40.8 61.2



#30

Chloroform

Concen: 46.696 ug/l

RT: 7.508 min Scan# 933

Delta R.T. 0.000 min

Lab File: VY017637.D

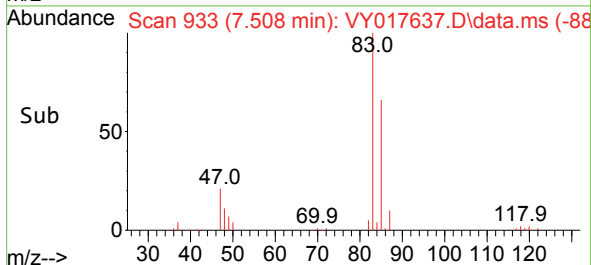
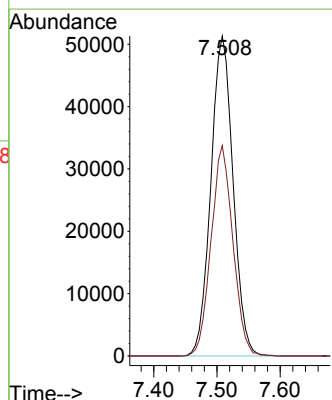
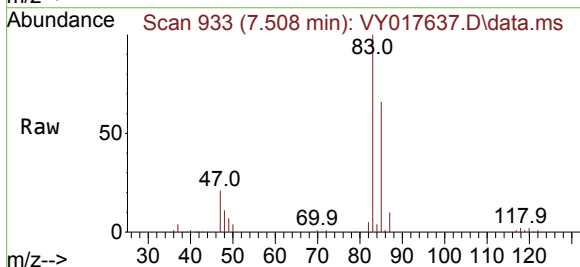
Acq: 12 Mar 2024 11:00

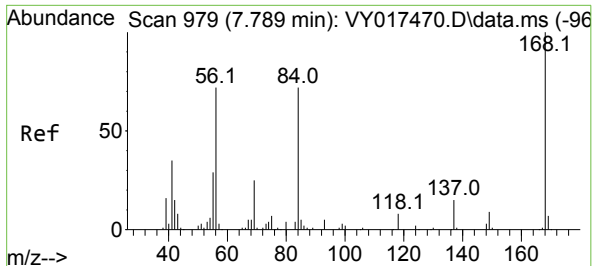
Tgt Ion: 83 Resp: 124987

Ion Ratio Lower Upper

83 100

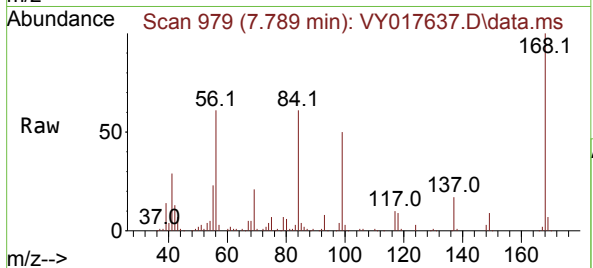
85 65.7 52.2 78.4



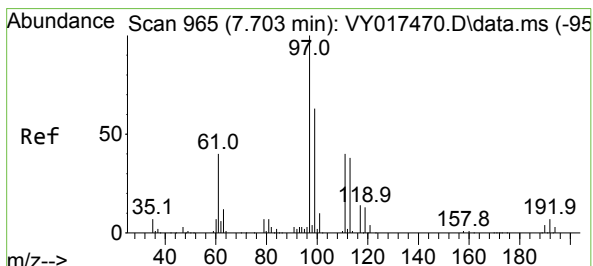
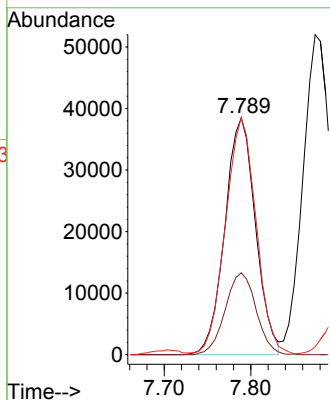
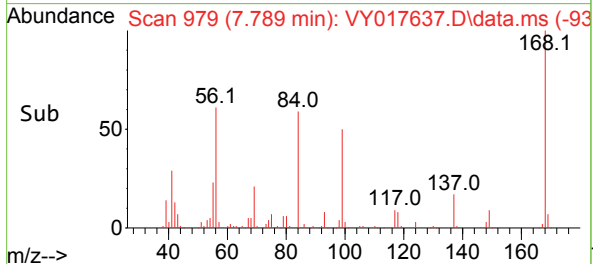


#31  
Cyclohexane  
Concen: 43.949 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY017637.D  
Acq: 12 Mar 2024 11:00

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

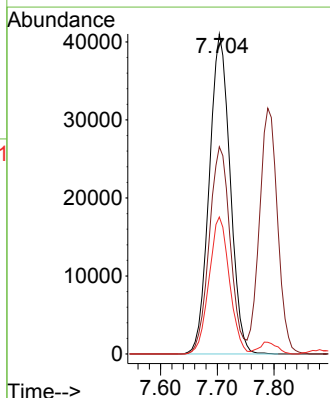
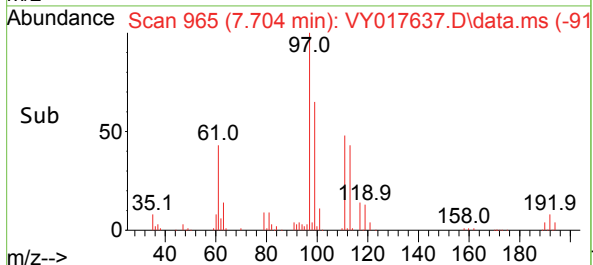
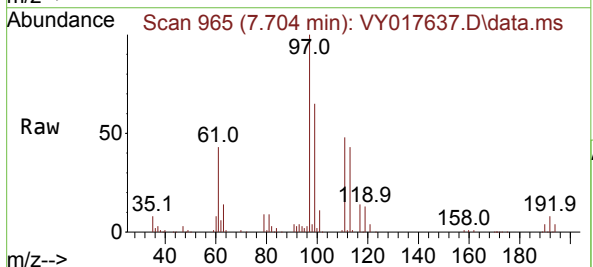


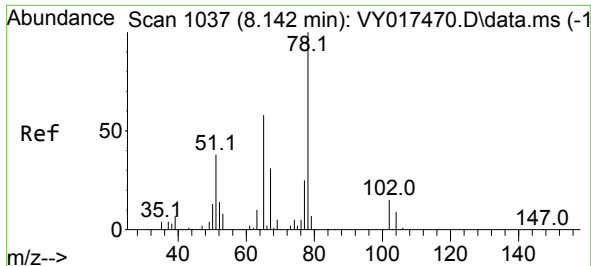
Tgt Ion: 56 Resp: 94701  
Ion Ratio Lower Upper  
56 100  
69 34.6 28.7 43.1  
84 98.6 77.7 116.5



#32  
1,1,1-Trichloroethane  
Concen: 44.939 ug/l  
RT: 7.704 min Scan# 965  
Delta R.T. 0.000 min  
Lab File: VY017637.D  
Acq: 12 Mar 2024 11:00

Tgt Ion: 97 Resp: 104430  
Ion Ratio Lower Upper  
97 100  
99 65.6 50.3 75.5  
61 42.1 32.6 48.8





#33

1,2-Dichloroethane-d4

Concen: 49.523 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VY017637.D

Acq: 12 Mar 2024 11:00

Instrument :

MSVOA\_Y

ClientSampleId :

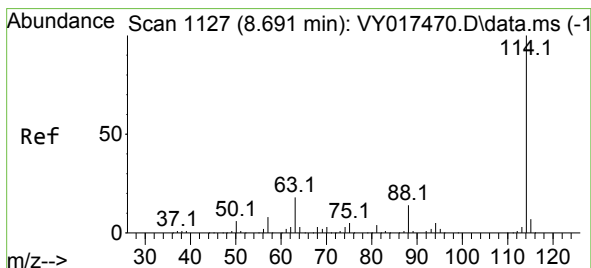
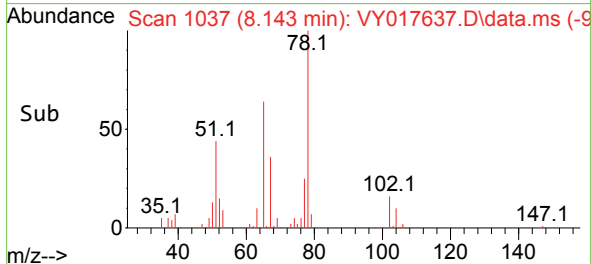
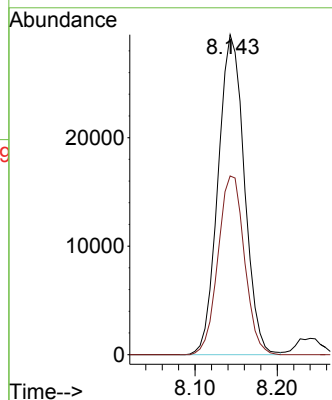
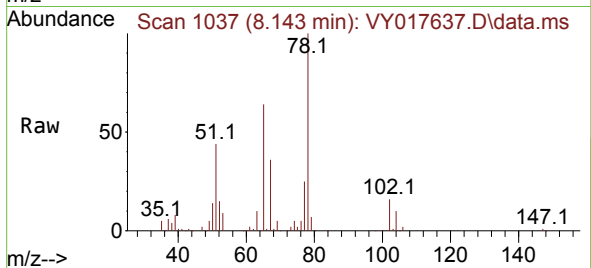
VSTDCCC050

Tgt Ion: 65 Resp: 65572

Ion Ratio Lower Upper

65 100

67 56.2 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY017637.D

Acq: 12 Mar 2024 11:00

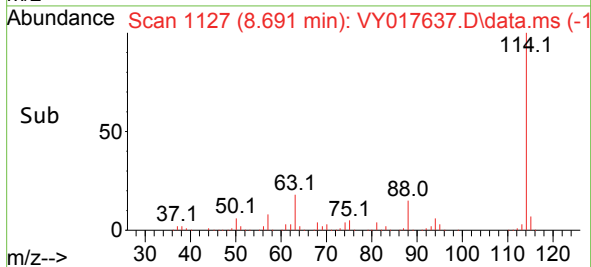
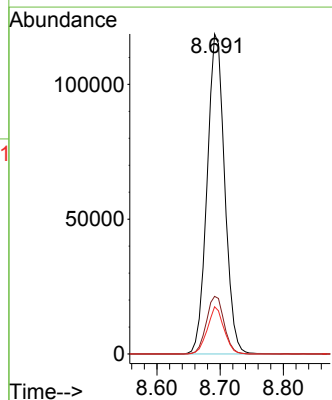
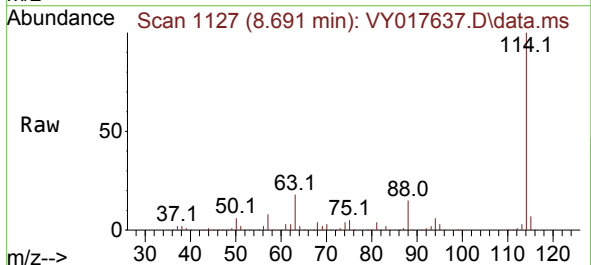
Tgt Ion: 114 Resp: 229190

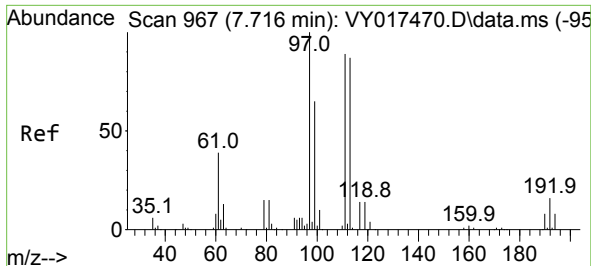
Ion Ratio Lower Upper

114 100

63 18.0 0.0 35.0

88 14.8 0.0 27.2

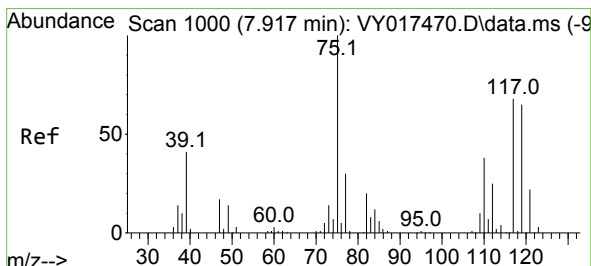
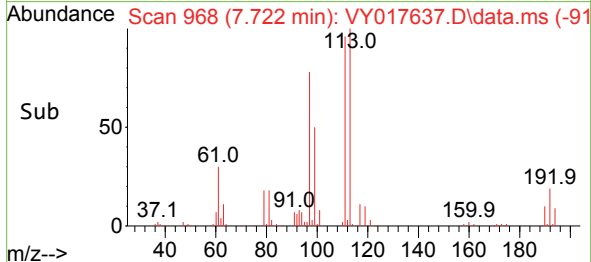
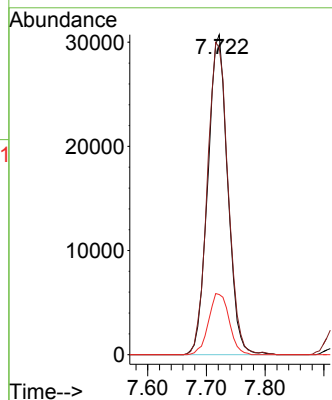
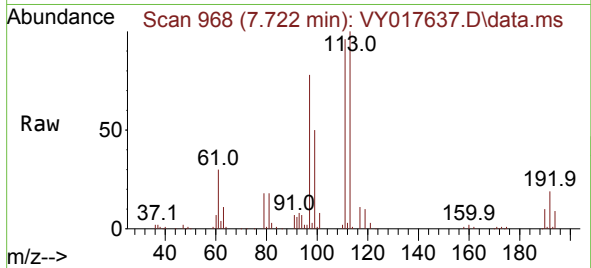




#35  
Dibromofluoromethane  
Concen: 45.245 ug/l  
RT: 7.722 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY017637.D  
Acq: 12 Mar 2024 11:00

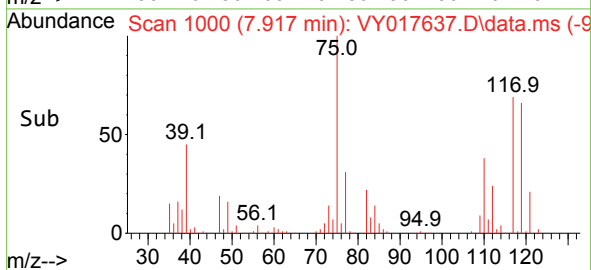
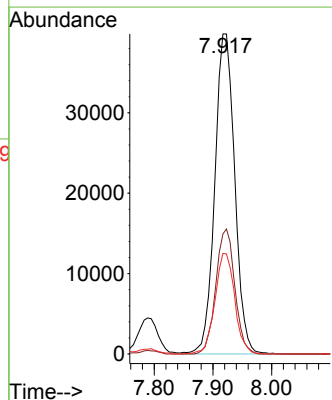
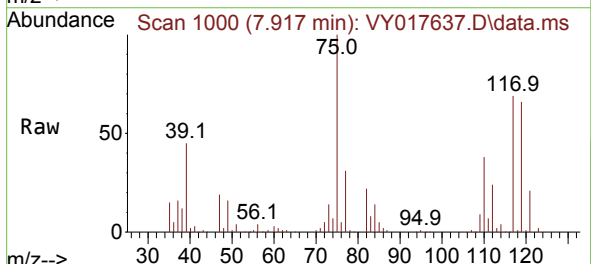
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

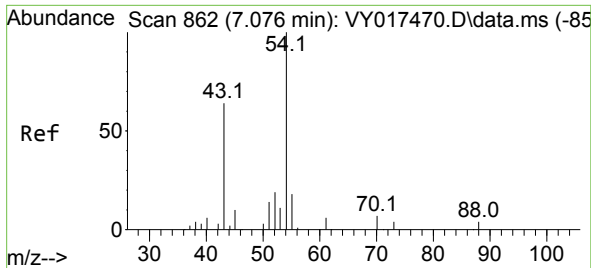
Tgt Ion:113 Resp: 72260  
Ion Ratio Lower Upper  
113 100  
111 102.0 82.2 123.4  
192 19.8 15.9 23.9



#36  
1,1-Dichloropropene  
Concen: 43.594 ug/l  
RT: 7.917 min Scan# 1000  
Delta R.T. 0.000 min  
Lab File: VY017637.D  
Acq: 12 Mar 2024 11:00

Tgt Ion: 75 Resp: 93936  
Ion Ratio Lower Upper  
75 100  
110 37.1 19.0 57.0  
77 31.2 25.3 37.9

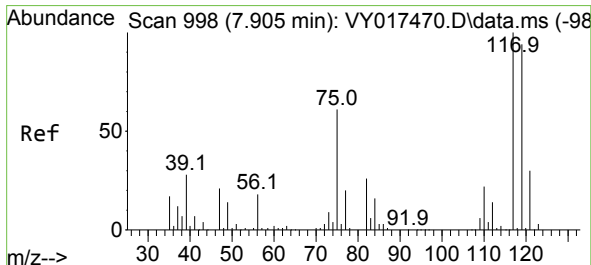
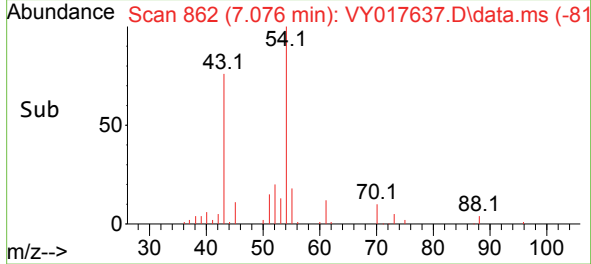
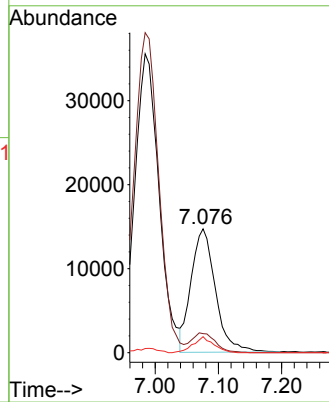
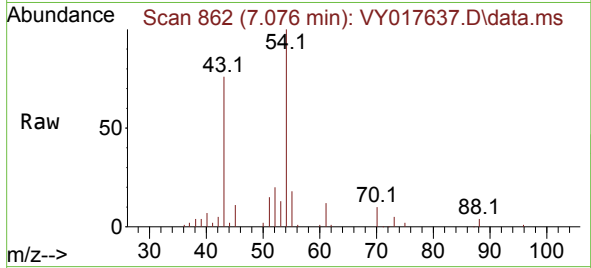




#37  
Ethyl Acetate  
Concen: 46.031 ug/l  
RT: 7.076 min Scan# 862  
Delta R.T. 0.000 min  
Lab File: VY017637.D  
Acq: 12 Mar 2024 11:00

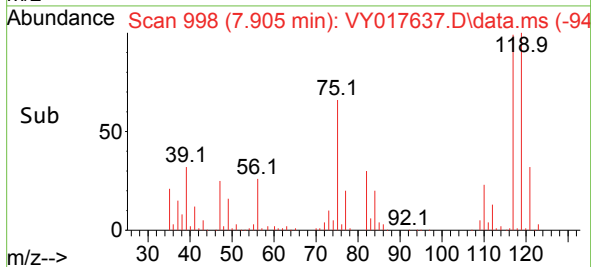
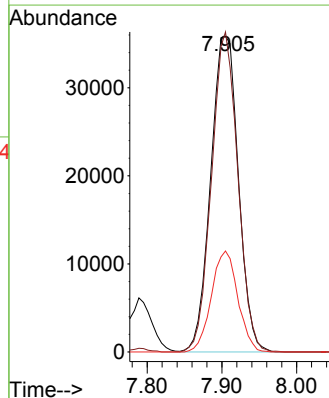
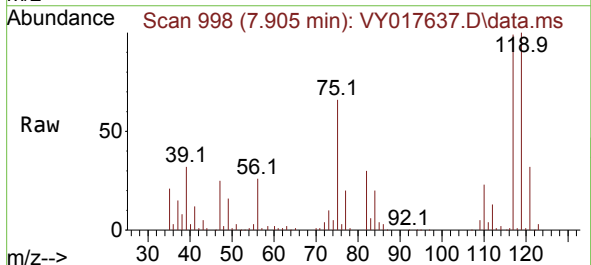
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

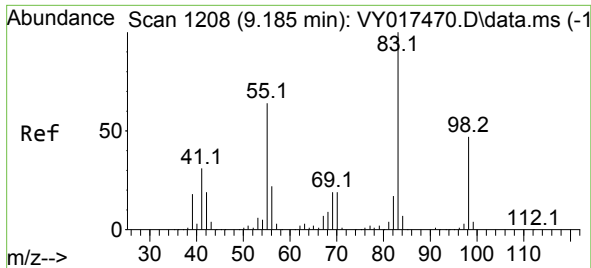
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 43    | Resp: | 39175 |
| Ion Ratio | Lower | Upper |       |
| 43        | 100   |       |       |
| 61        | 15.9  | 12.6  | 19.0  |
| 70        | 10.8  | 7.8   | 11.8  |



#38  
Carbon Tetrachloride  
Concen: 42.804 ug/l  
RT: 7.905 min Scan# 998  
Delta R.T. 0.000 min  
Lab File: VY017637.D  
Acq: 12 Mar 2024 11:00

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 117   | Resp: | 92438 |
| Ion Ratio | Lower | Upper |       |
| 117       | 100   |       |       |
| 119       | 101.4 | 75.8  | 113.6 |
| 121       | 32.0  | 24.0  | 36.0  |

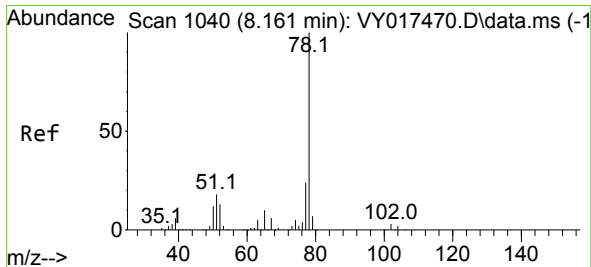
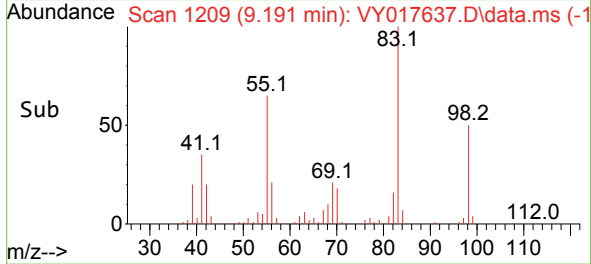
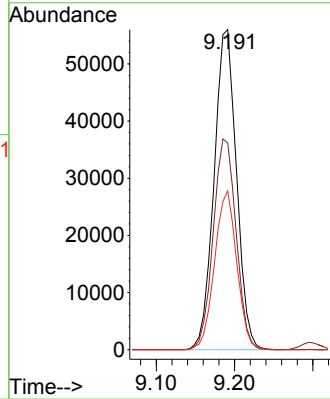
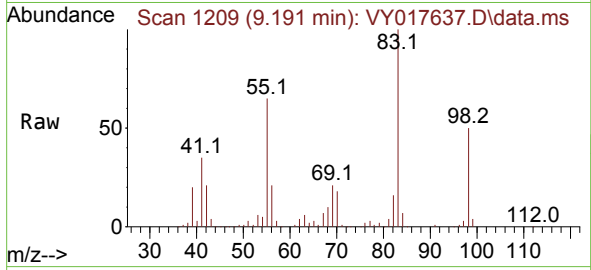




#39  
Methylcyclohexane  
Concen: 43.047 ug/l  
RT: 9.191 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY017637.D  
Acq: 12 Mar 2024 11:00

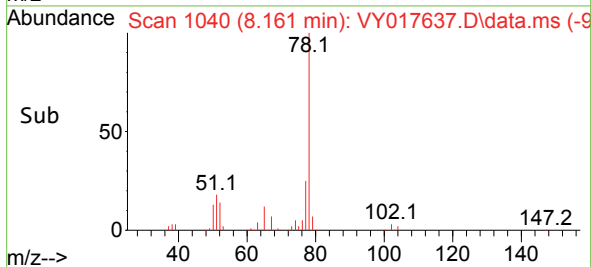
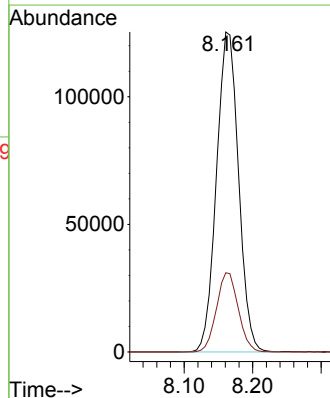
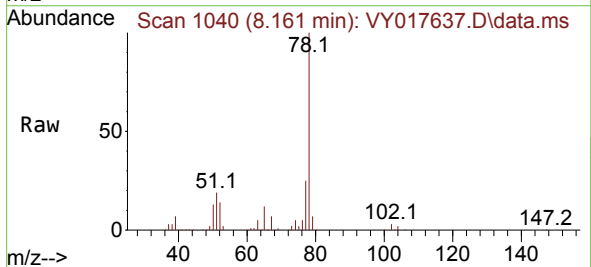
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

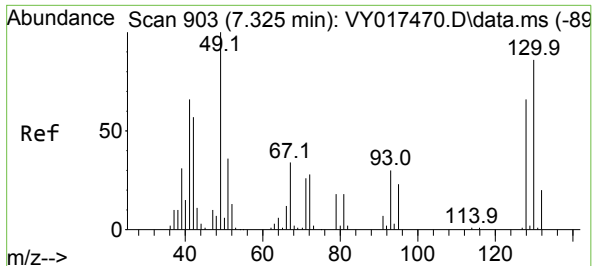
Tgt Ion: 83 Resp: 111475  
Ion Ratio Lower Upper  
83 100  
55 64.6 51.5 77.3  
98 49.6 40.5 60.7



#40  
Benzene  
Concen: 43.755 ug/l  
RT: 8.161 min Scan# 1040  
Delta R.T. 0.000 min  
Lab File: VY017637.D  
Acq: 12 Mar 2024 11:00

Tgt Ion: 78 Resp: 279993  
Ion Ratio Lower Upper  
78 100  
77 24.8 19.5 29.3

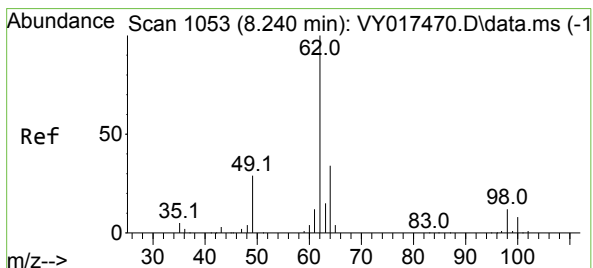
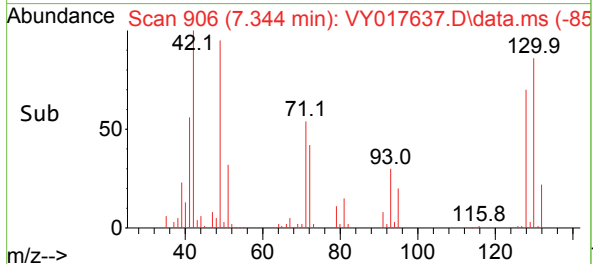
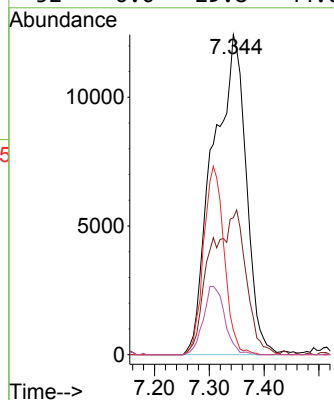
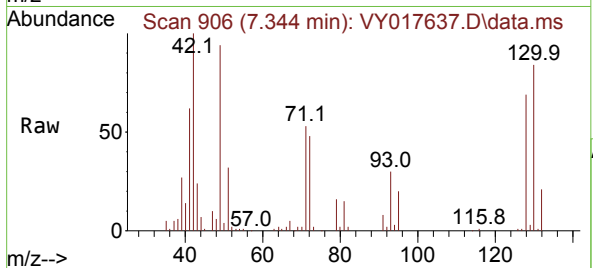




#41  
Methacrylonitrile  
Concen: 122.428 ug/l  
RT: 7.344 min Scan# 906  
Delta R.T. 0.018 min  
Lab File: VY017637.D  
Acq: 12 Mar 2024 11:00

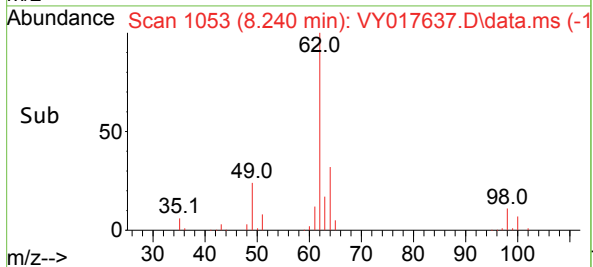
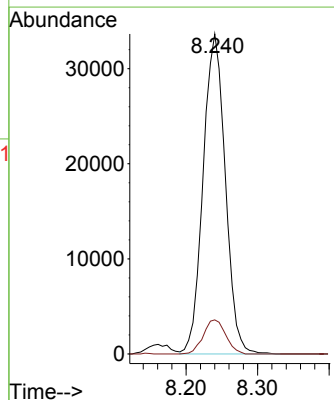
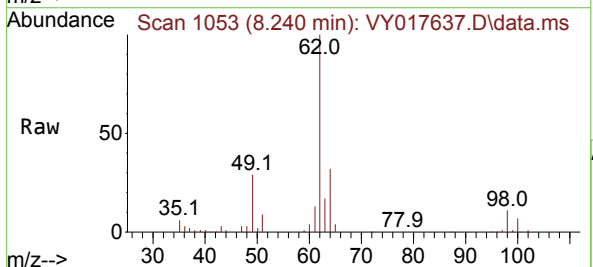
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

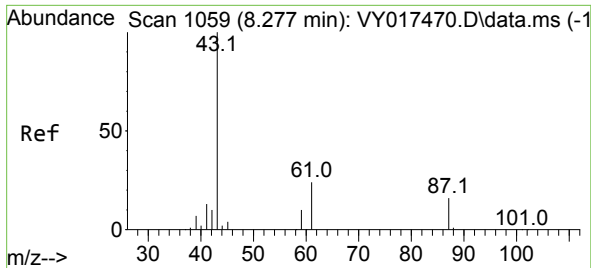
Tgt Ion: 41 Resp: 52286  
Ion Ratio Lower Upper  
41 100  
39 48.4 48.0 72.0  
67 0.0 75.1 112.7#  
52 0.0 29.8 44.6#



#42  
1,2-Dichloroethane  
Concen: 46.455 ug/l  
RT: 8.240 min Scan# 1053  
Delta R.T. 0.000 min  
Lab File: VY017637.D  
Acq: 12 Mar 2024 11:00

Tgt Ion: 62 Resp: 72531  
Ion Ratio Lower Upper  
62 100  
98 10.8 0.0 22.0

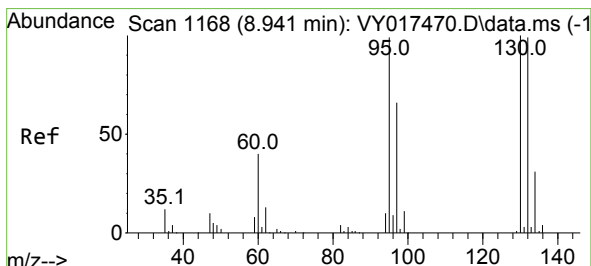
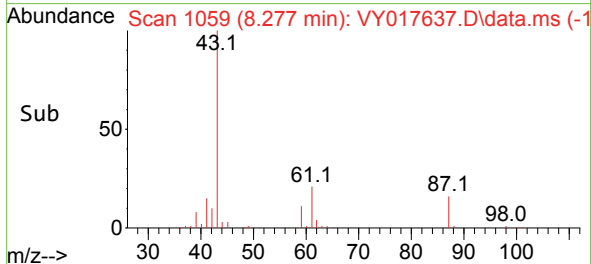
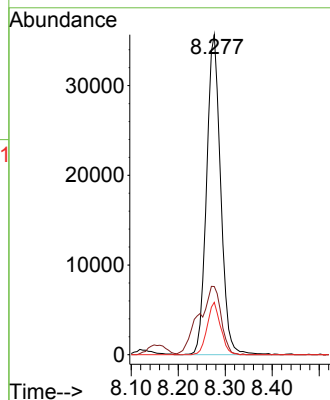
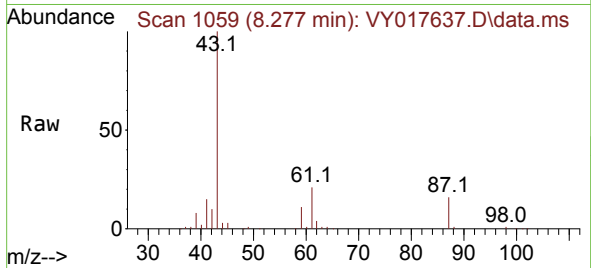




#43  
Isopropyl Acetate  
Concen: 49.387 ug/l  
RT: 8.277 min Scan# 1059  
Delta R.T. 0.000 min  
Lab File: VY017637.D  
Acq: 12 Mar 2024 11:00

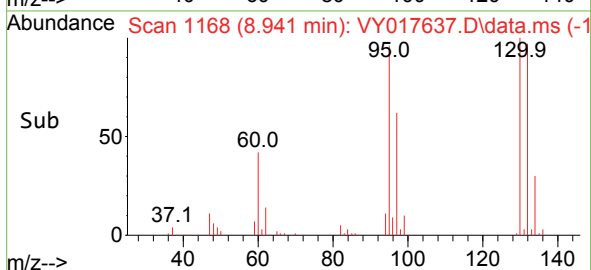
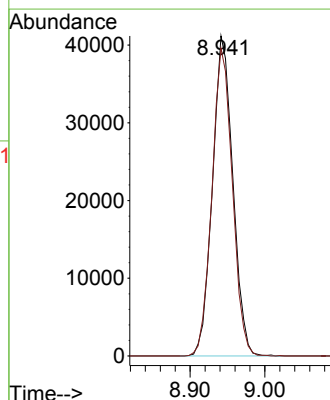
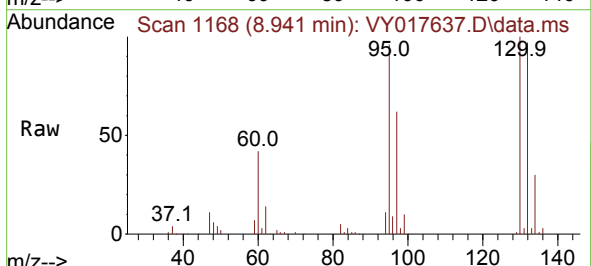
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

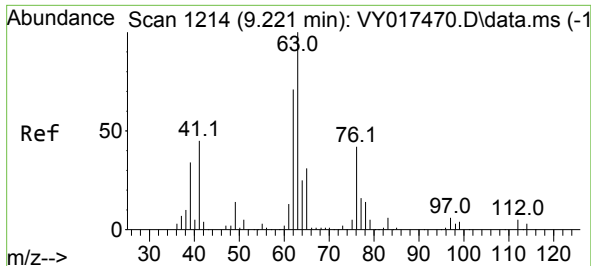
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 73861 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 33.8  | 27.9  | 41.9  |
| 87       | 15.6  | 13.1  | 19.7  |



#44  
Trichloroethene  
Concen: 42.294 ug/l  
RT: 8.941 min Scan# 1168  
Delta R.T. 0.000 min  
Lab File: VY017637.D  
Acq: 12 Mar 2024 11:00

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 130   | Resp: | 78009 |
| Ion      | Ratio | Lower | Upper |
| 130      | 100   |       |       |
| 95       | 96.2  | 0.0   | 188.0 |





#45

1,2-Dichloropropane

Concen: 45.435 ug/l

RT: 9.222 min Scan# 1214

Delta R.T. 0.000 min

Lab File: VY017637.D

Acq: 12 Mar 2024 11:00

Instrument :

MSVOA\_Y

ClientSampleId :

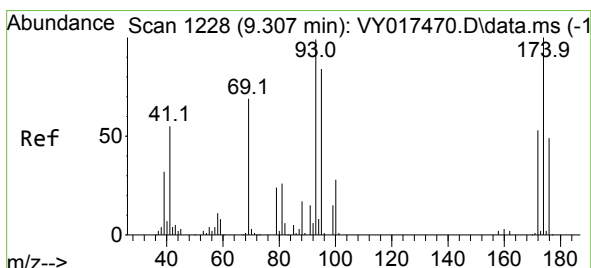
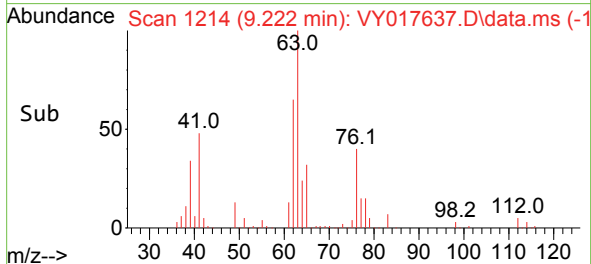
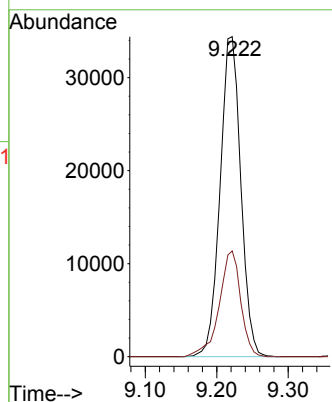
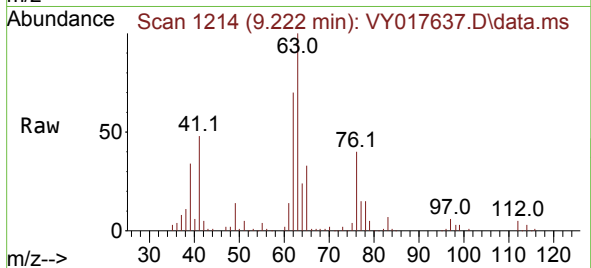
VSTDCCC050

Tgt Ion: 63 Resp: 69172

Ion Ratio Lower Upper

63 100

65 33.1 25.4 38.2



#46

Dibromomethane

Concen: 46.289 ug/l

RT: 9.307 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VY017637.D

Acq: 12 Mar 2024 11:00

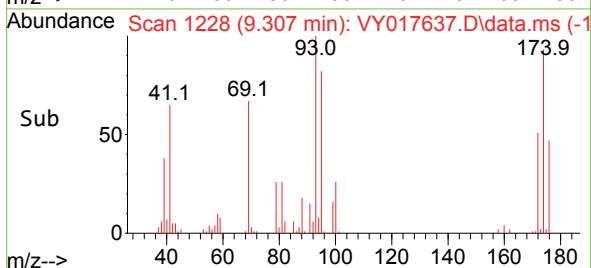
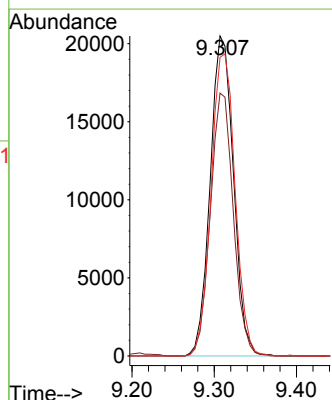
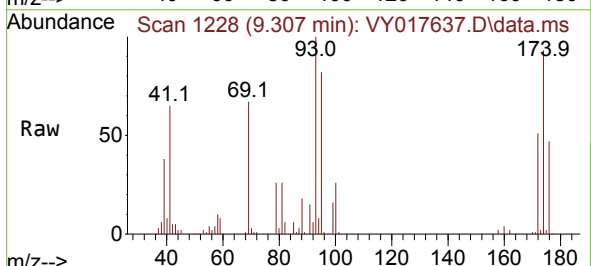
Tgt Ion: 93 Resp: 40332

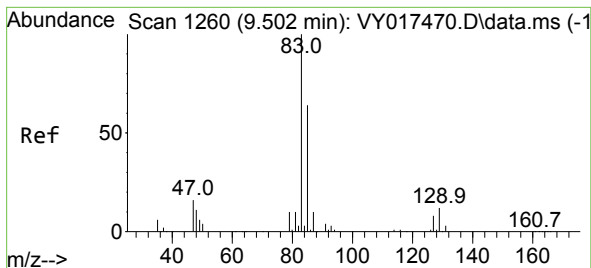
Ion Ratio Lower Upper

93 100

95 81.0 66.2 99.4

174 97.2 80.9 121.3





#47

Bromodichloromethane

Concen: 45.479 ug/l

RT: 9.502 min Scan# 1260

Delta R.T. 0.000 min

Lab File: VY017637.D

Acq: 12 Mar 2024 11:00

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

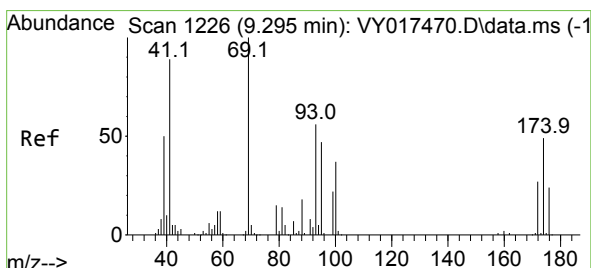
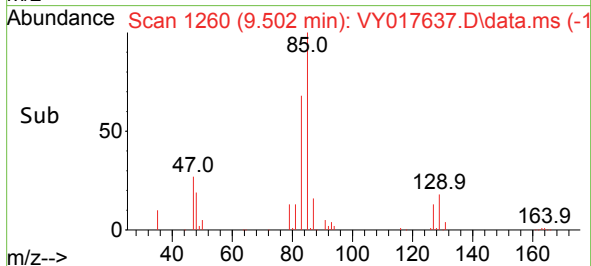
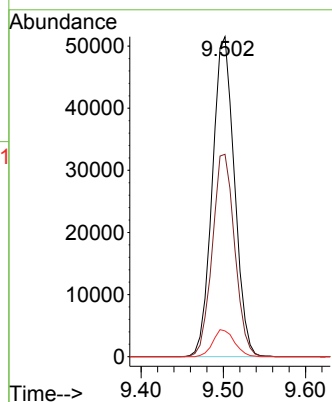
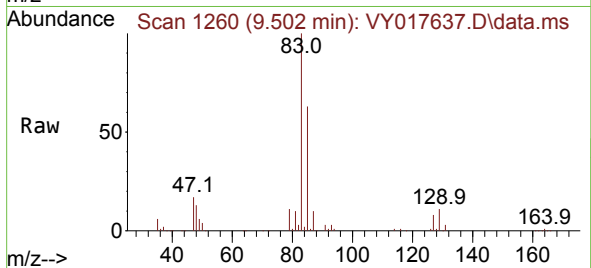
Tgt Ion: 83 Resp: 96215

Ion Ratio Lower Upper

83 100

85 63.2 50.1 75.1

127 8.0 7.4 11.0



#48

Methyl methacrylate

Concen: 49.567 ug/l

RT: 9.295 min Scan# 1226

Delta R.T. 0.000 min

Lab File: VY017637.D

Acq: 12 Mar 2024 11:00

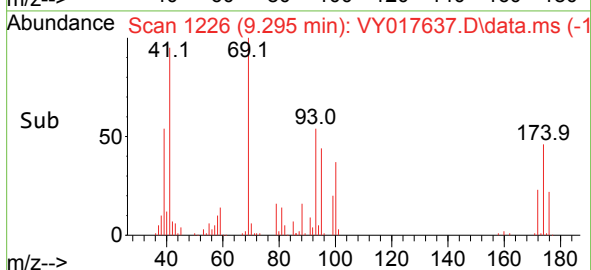
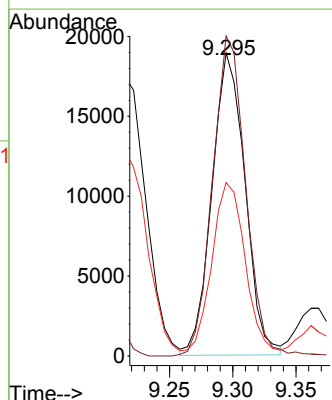
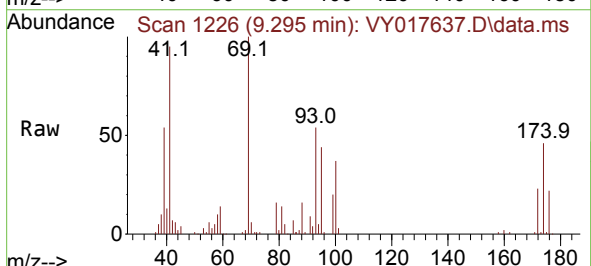
Tgt Ion: 41 Resp: 34313

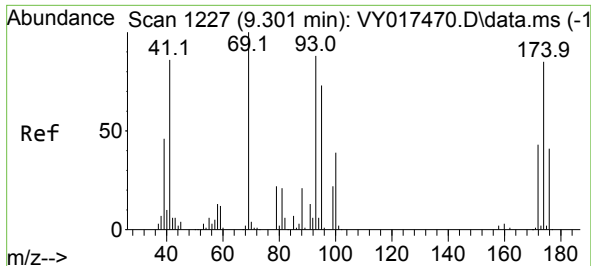
Ion Ratio Lower Upper

41 100

69 105.8 84.1 126.1

39 58.9 43.6 65.4





#49

1,4-Dioxane

Concen: 863.225 ug/l

RT: 9.307 min Scan# 1227

Delta R.T. 0.006 min

Lab File: VY017637.D

Acq: 12 Mar 2024 11:00

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

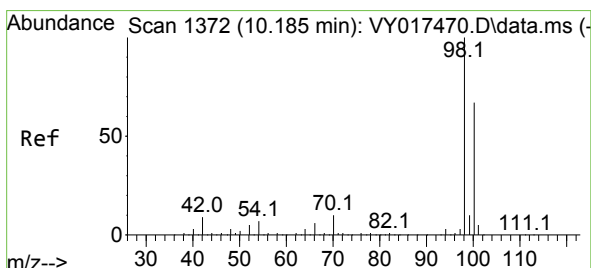
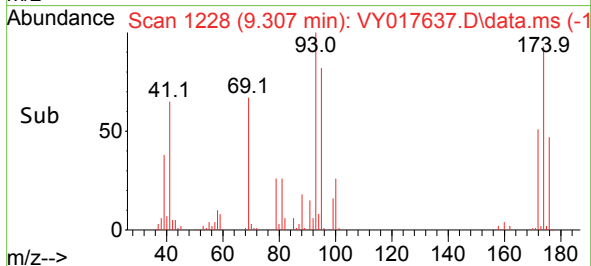
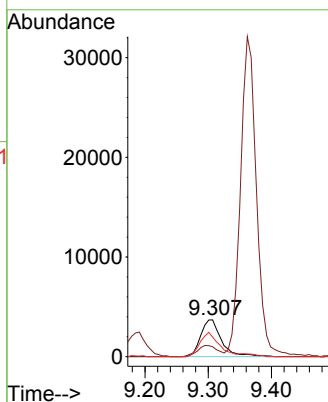
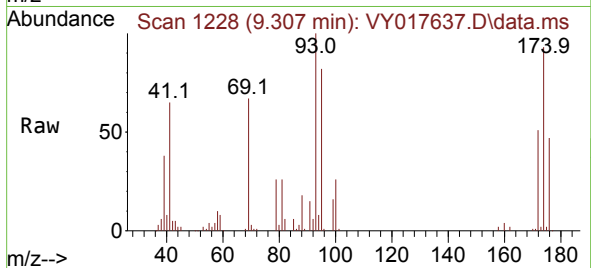
Tgt Ion: 88 Resp: 8512

Ion Ratio Lower Upper

88 100

43 29.0 0.0 0.0#

58 61.2 49.3 73.9



#50

Toluene-d8

Concen: 47.426 ug/l

RT: 10.185 min Scan# 1372

Delta R.T. 0.000 min

Lab File: VY017637.D

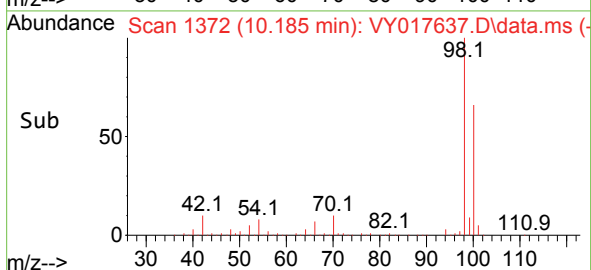
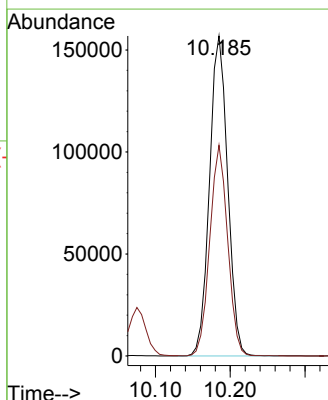
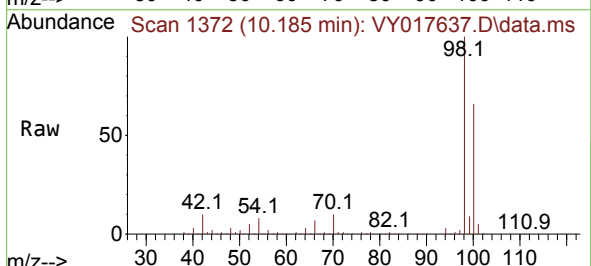
Acq: 12 Mar 2024 11:00

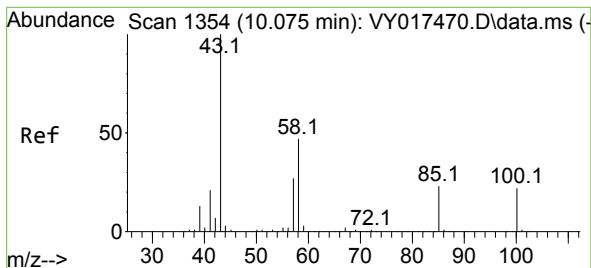
Tgt Ion: 98 Resp: 264824

Ion Ratio Lower Upper

98 100

100 64.8 52.0 78.0

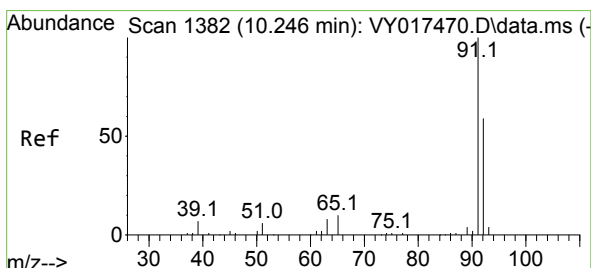
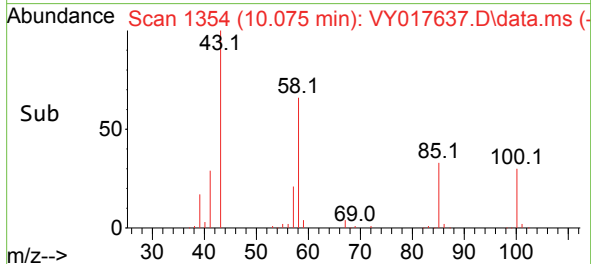
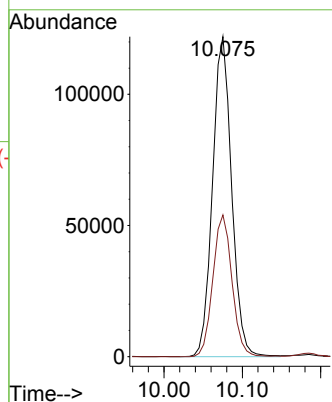
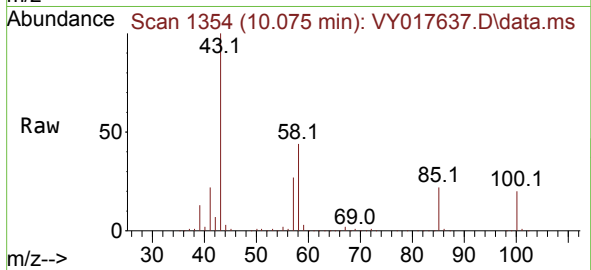




#51  
4-Methyl-2-Pentanone  
Concen: 247.679 ug/l  
RT: 10.075 min Scan# 1354  
Delta R.T. 0.000 min  
Lab File: VY017637.D  
Acq: 12 Mar 2024 11:00

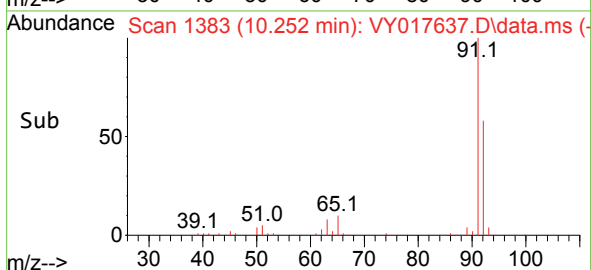
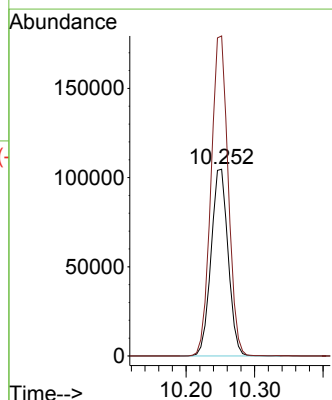
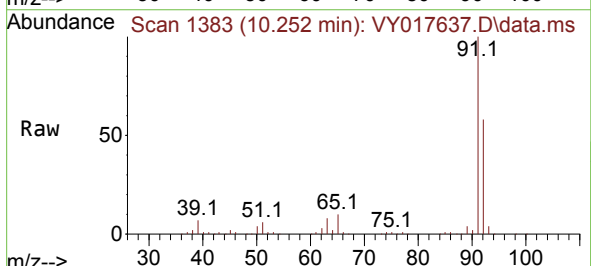
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

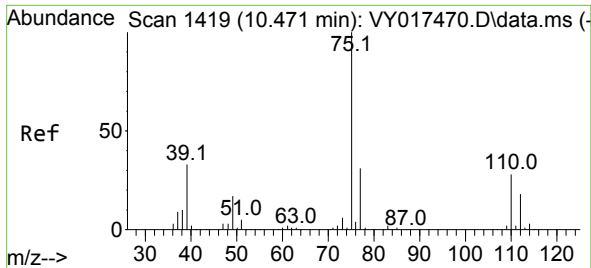
Tgt Ion: 43 Resp: 206443  
Ion Ratio Lower Upper  
43 100  
58 44.5 35.7 53.5



#52  
Toluene  
Concen: 44.881 ug/l  
RT: 10.252 min Scan# 1383  
Delta R.T. 0.006 min  
Lab File: VY017637.D  
Acq: 12 Mar 2024 11:00

Tgt Ion: 92 Resp: 181056  
Ion Ratio Lower Upper  
92 100  
91 172.7 139.0 208.6

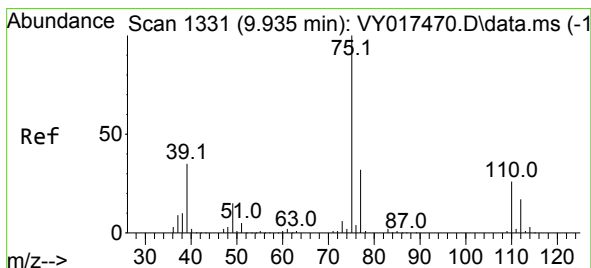
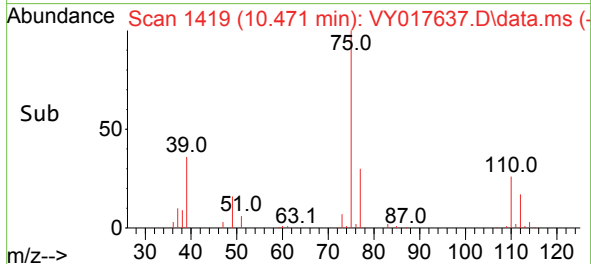
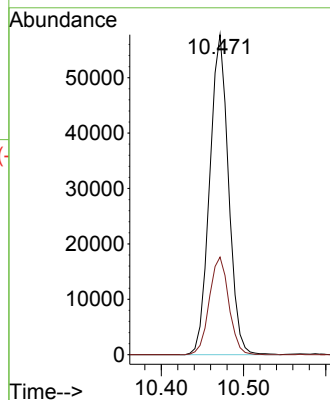
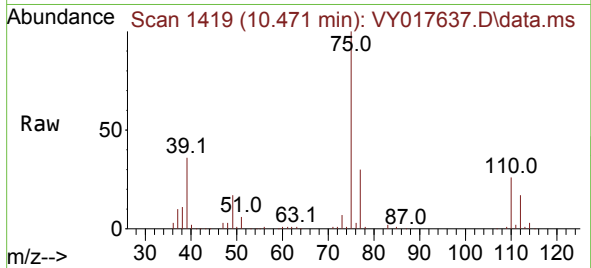




#53  
t-1,3-Dichloropropene  
Concen: 46.747 ug/l  
RT: 10.471 min Scan# 1419  
Delta R.T. 0.000 min  
Lab File: VY017637.D  
Acq: 12 Mar 2024 11:00

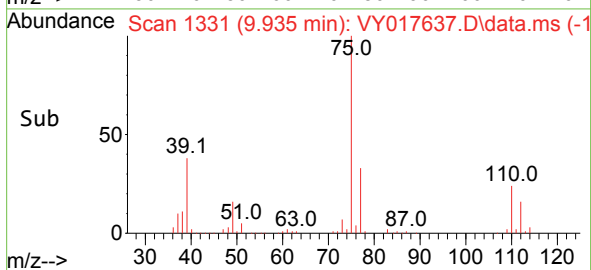
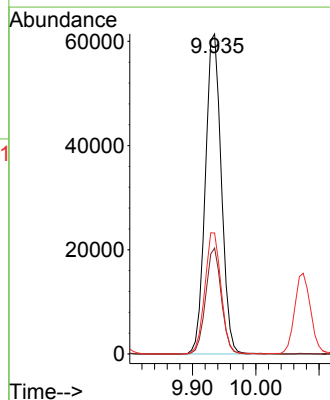
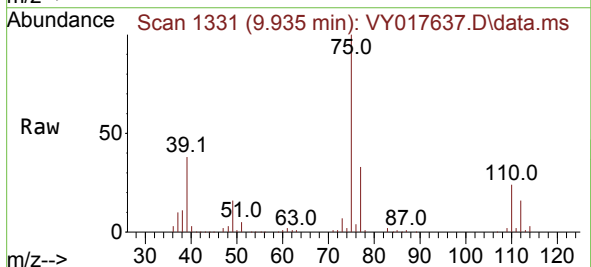
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

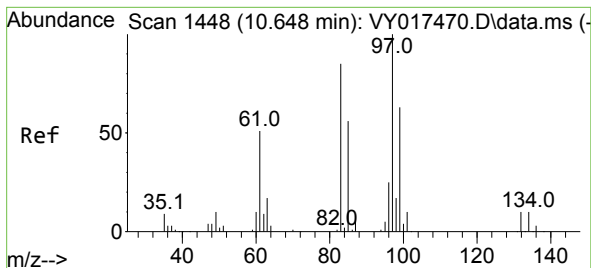
Tgt Ion: 75 Resp: 91794  
Ion Ratio Lower Upper  
75 100  
77 30.5 24.1 36.1



#54  
cis-1,3-Dichloropropene  
Concen: 45.347 ug/l  
RT: 9.935 min Scan# 1331  
Delta R.T. 0.000 min  
Lab File: VY017637.D  
Acq: 12 Mar 2024 11:00

Tgt Ion: 75 Resp: 108199  
Ion Ratio Lower Upper  
75 100  
77 33.1 25.4 38.0  
39 37.8 29.8 44.6





#55

1,1,2-Trichloroethane

Concen: 44.129 ug/l

RT: 10.648 min Scan# 1448

Delta R.T. 0.000 min

Lab File: VY017637.D

Acq: 12 Mar 2024 11:00

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 54592

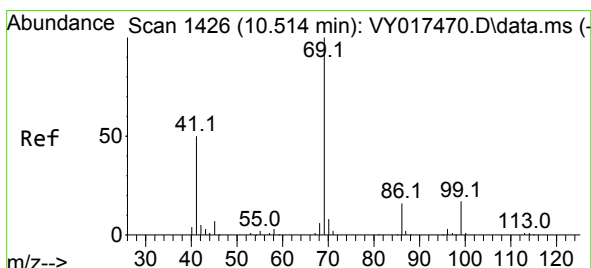
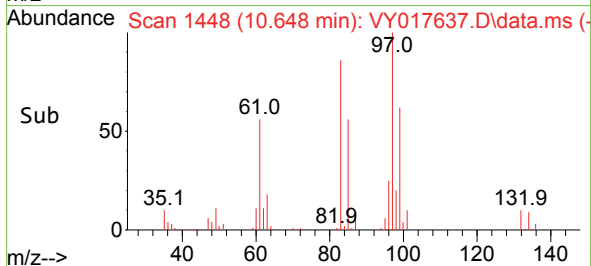
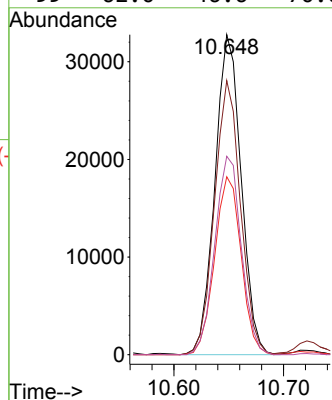
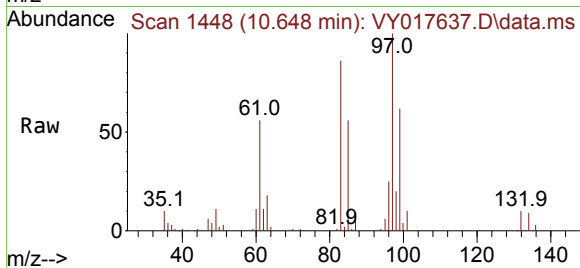
Ion Ratio Lower Upper

97 100

83 85.6 67.5 101.3

85 55.6 42.9 64.3

99 62.0 46.6 70.0



#56

Ethyl methacrylate

Concen: 45.033 ug/l

RT: 10.514 min Scan# 1426

Delta R.T. 0.000 min

Lab File: VY017637.D

Acq: 12 Mar 2024 11:00

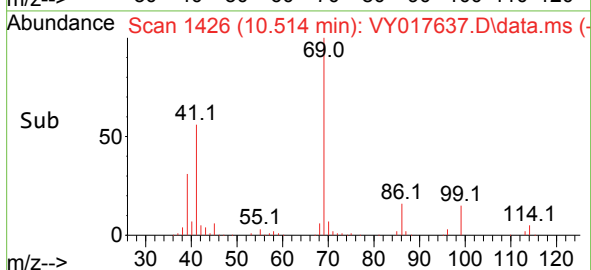
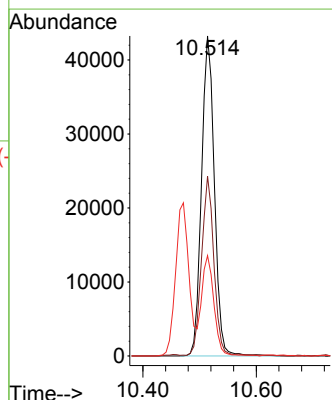
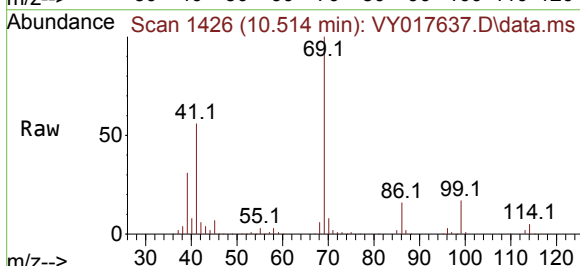
Tgt Ion: 69 Resp: 68132

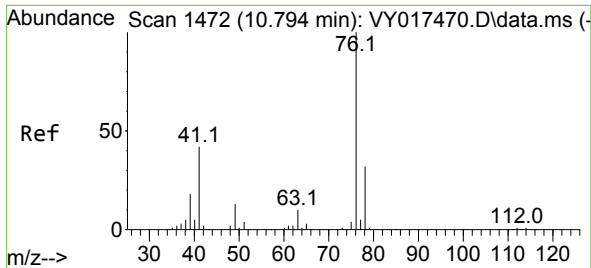
Ion Ratio Lower Upper

69 100

41 53.7 42.3 63.5

39 29.5 22.9 34.3





#57

1,3-Dichloropropane

Concen: 45.332 ug/l

RT: 10.794 min Scan# 1472

Delta R.T. 0.000 min

Lab File: VY017637.D

Acq: 12 Mar 2024 11:00

Instrument :

MSVOA\_Y

ClientSampleId :

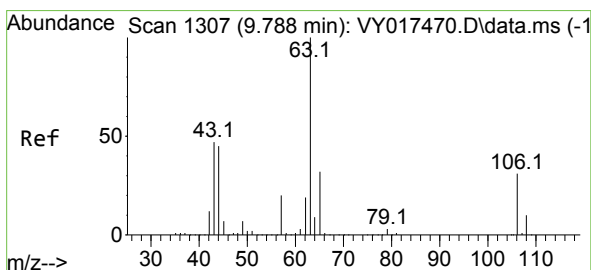
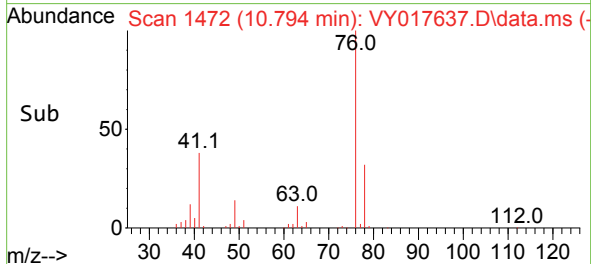
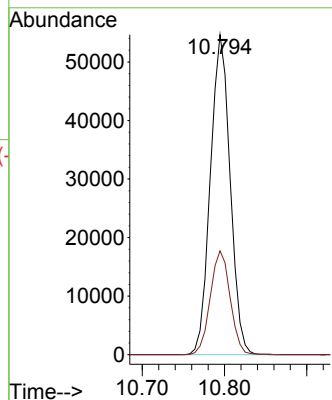
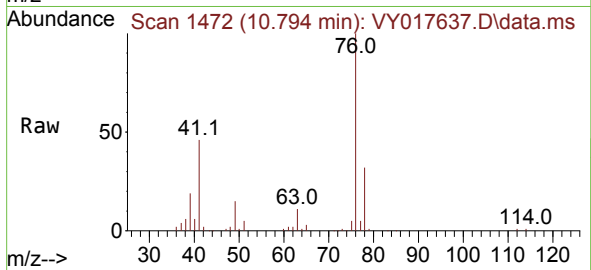
VSTDCCC050

Tgt Ion: 76 Resp: 91179

Ion Ratio Lower Upper

76 100

78 32.6 26.2 39.4



#58

2-Chloroethyl Vinyl ether

Concen: 280.872 ug/l

RT: 9.789 min Scan# 1307

Delta R.T. 0.000 min

Lab File: VY017637.D

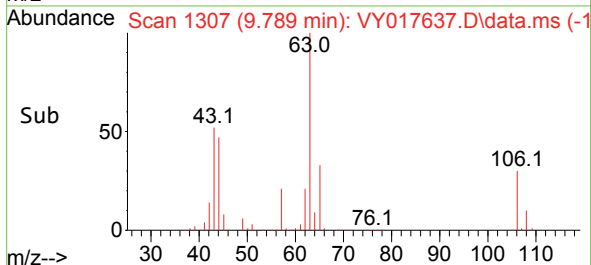
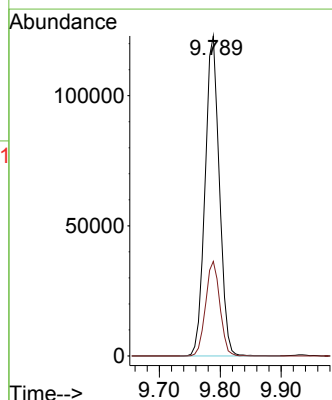
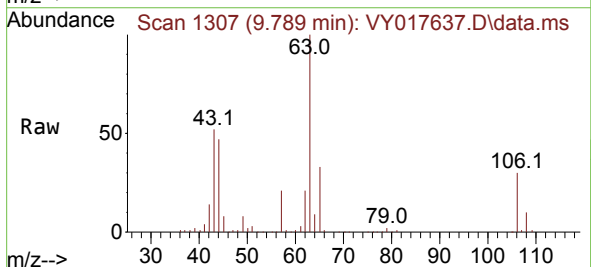
Acq: 12 Mar 2024 11:00

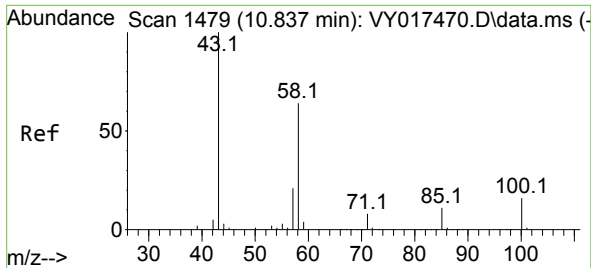
Tgt Ion: 63 Resp: 200504

Ion Ratio Lower Upper

63 100

106 29.5 23.7 35.5

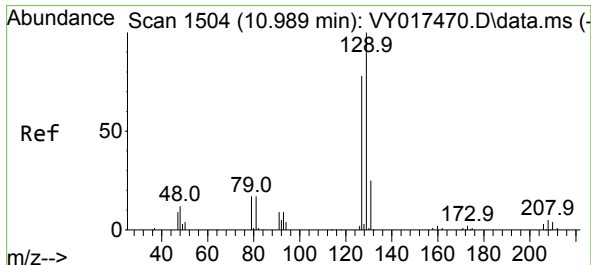
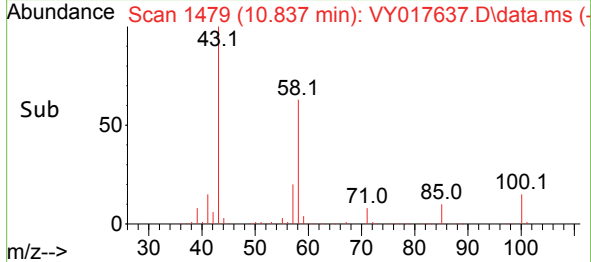
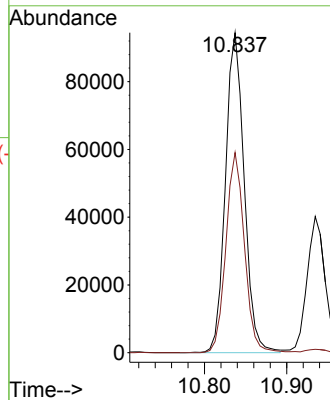
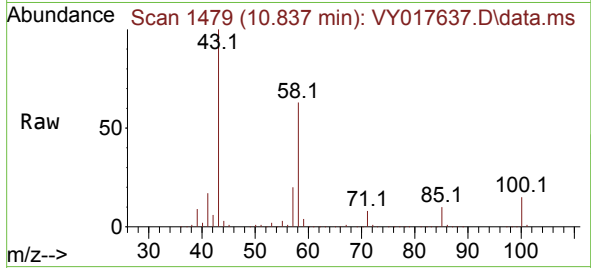




#59  
2-Hexanone  
Concen: 260.494 ug/l  
RT: 10.837 min Scan# 1479  
Delta R.T. 0.000 min  
Lab File: VY017637.D  
Acq: 12 Mar 2024 11:00

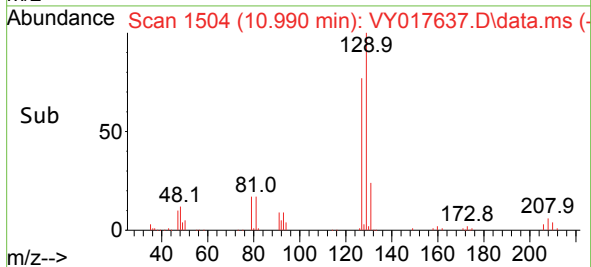
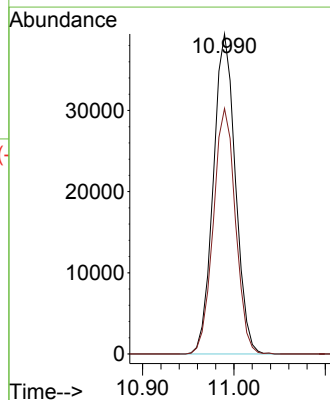
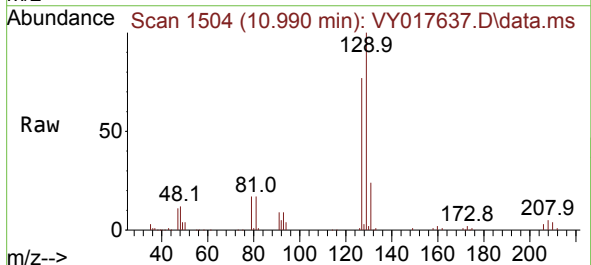
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

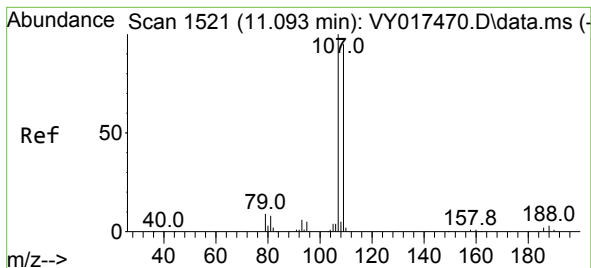
Tgt Ion: 43 Resp: 149138  
Ion Ratio Lower Upper  
43 100  
58 61.9 31.4 94.0



#60  
Dibromochloromethane  
Concen: 45.144 ug/l  
RT: 10.990 min Scan# 1504  
Delta R.T. 0.000 min  
Lab File: VY017637.D  
Acq: 12 Mar 2024 11:00

Tgt Ion: 129 Resp: 66068  
Ion Ratio Lower Upper  
129 100  
127 77.0 39.0 117.0

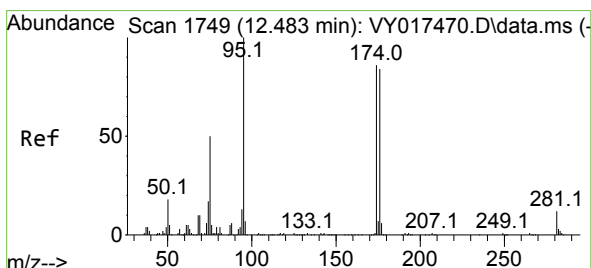
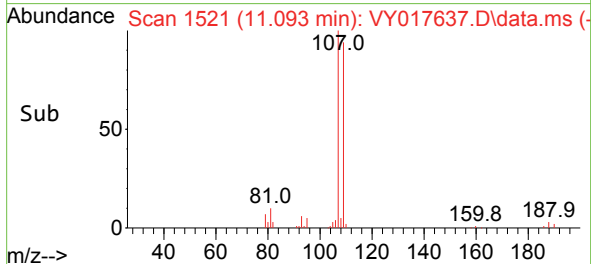
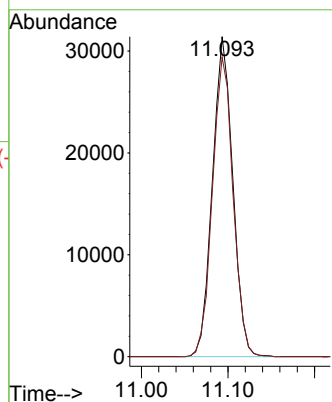
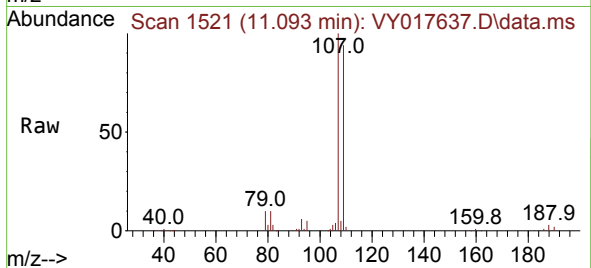




#61  
1,2-Dibromoethane  
Concen: 44.942 ug/l  
RT: 11.093 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VY017637.D  
Acq: 12 Mar 2024 11:00

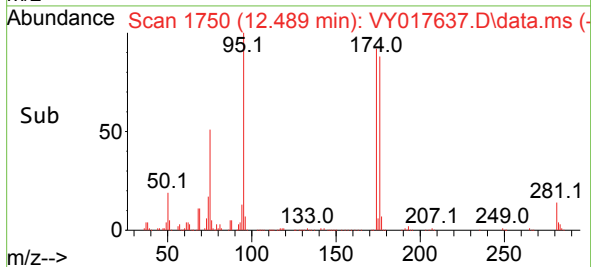
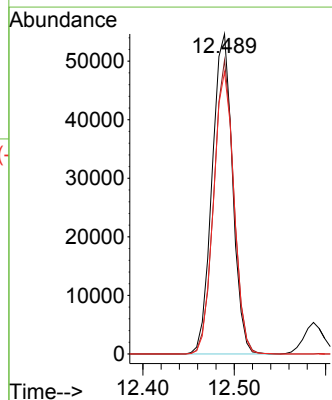
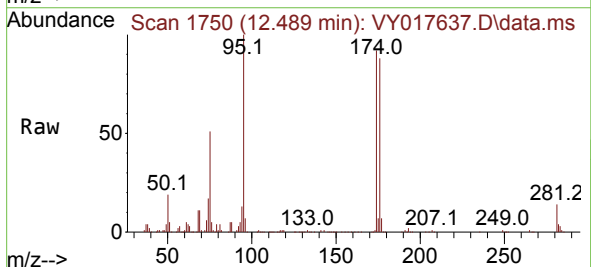
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

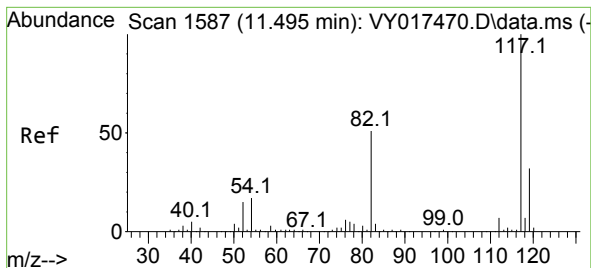
Tgt Ion:107 Resp: 51235  
Ion Ratio Lower Upper  
107 100  
109 95.3 75.9 113.9



#62  
4-Bromofluorobenzene  
Concen: 48.220 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. 0.006 min  
Lab File: VY017637.D  
Acq: 12 Mar 2024 11:00

Tgt Ion: 95 Resp: 84620  
Ion Ratio Lower Upper  
95 100  
174 89.8 0.0 175.6  
176 88.3 0.0 171.4

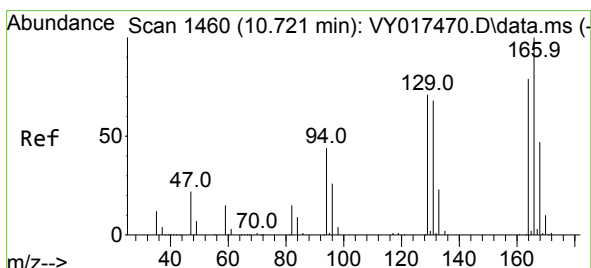
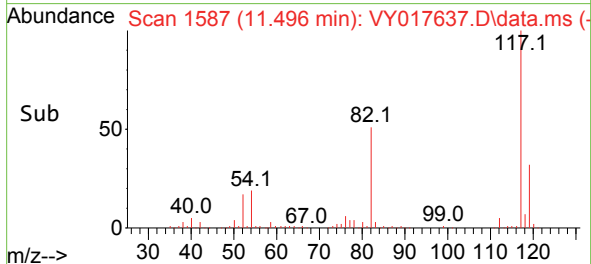
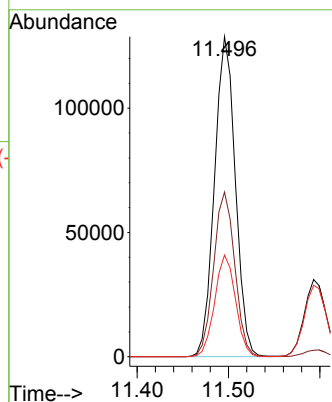
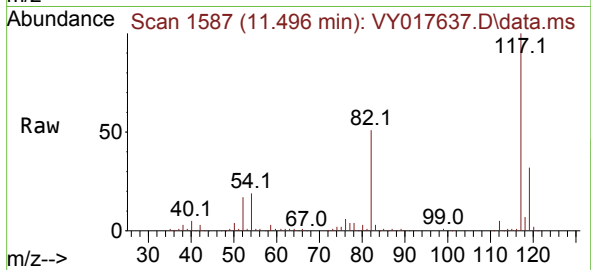




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY017637.D  
Acq: 12 Mar 2024 11:00

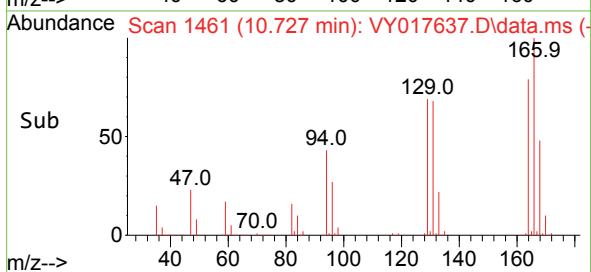
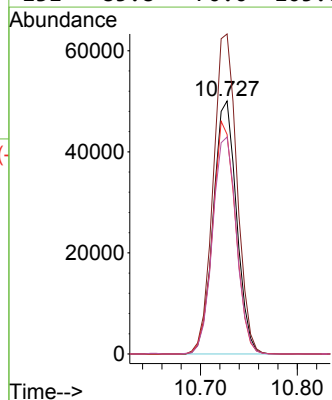
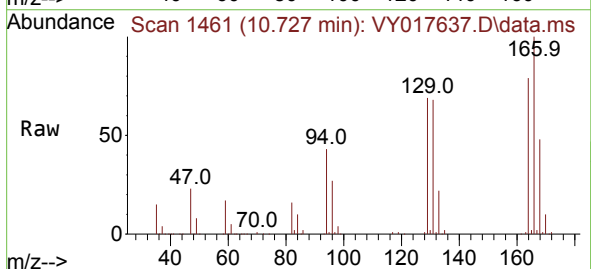
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

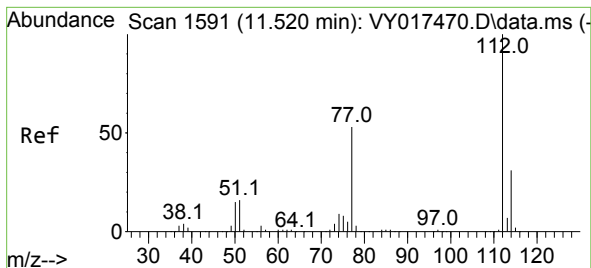
Tgt Ion:117 Resp: 204207  
Ion Ratio Lower Upper  
117 100  
82 51.5 42.4 63.6  
119 31.8 25.9 38.9



#64  
Tetrachloroethene  
Concen: 42.700 ug/l  
RT: 10.727 min Scan# 1461  
Delta R.T. 0.006 min  
Lab File: VY017637.D  
Acq: 12 Mar 2024 11:00

Tgt Ion:164 Resp: 83693  
Ion Ratio Lower Upper  
164 100  
166 126.5 102.6 154.0  
129 86.8 72.0 108.0  
131 85.8 70.0 105.0





#65

Chlorobenzene

Concen: 43.365 ug/l

RT: 11.520 min Scan# 1591

Delta R.T. 0.000 min

Lab File: VY017637.D

Acq: 12 Mar 2024 11:00

Instrument :

MSVOA\_Y

ClientSampleId :

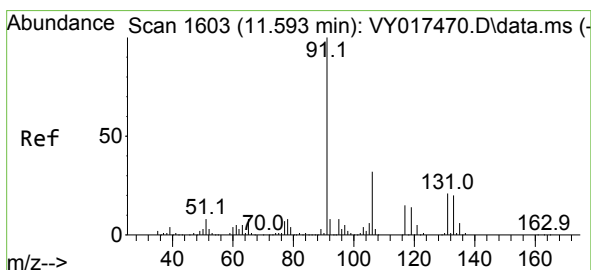
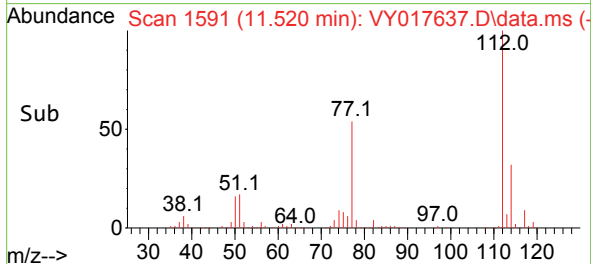
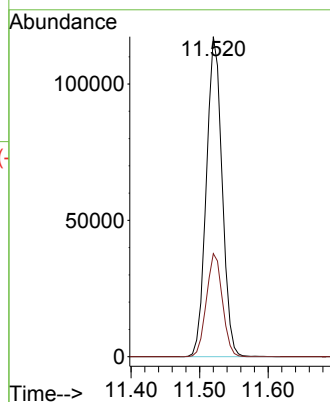
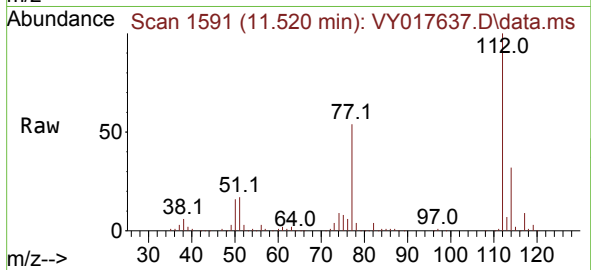
VSTDCCC050

Tgt Ion:112 Resp: 187964

Ion Ratio Lower Upper

112 100

114 32.2 26.4 39.6



#66

1,1,1,2-Tetrachloroethane

Concen: 43.478 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. 0.000 min

Lab File: VY017637.D

Acq: 12 Mar 2024 11:00

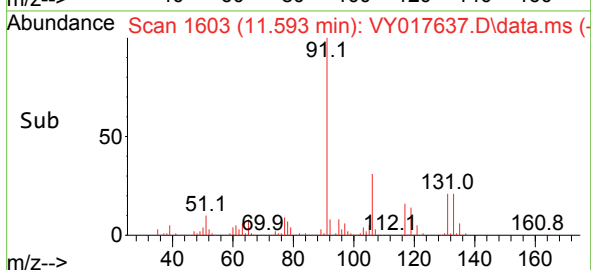
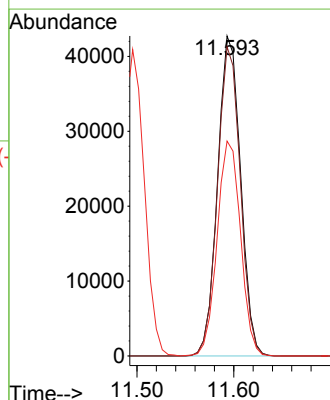
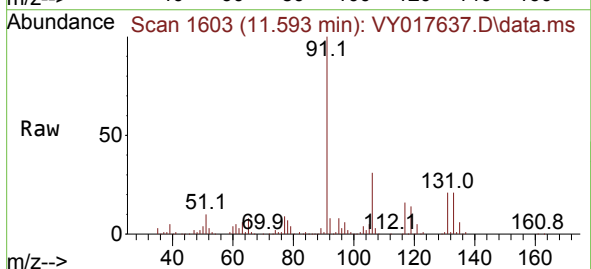
Tgt Ion:131 Resp: 70600

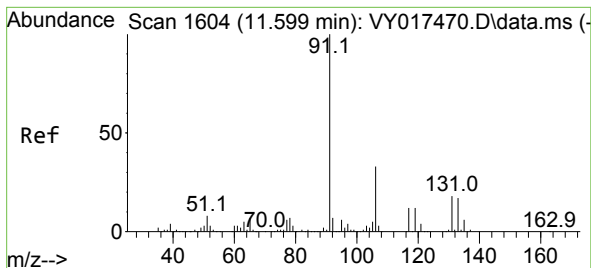
Ion Ratio Lower Upper

131 100

133 95.8 47.8 143.3

119 68.4 34.1 102.2





#67

Ethyl Benzene

Concen: 44.990 ug/l

RT: 11.599 min Scan# 1604

Delta R.T. 0.000 min

Lab File: VY017637.D

Acq: 12 Mar 2024 11:00

Instrument :

MSVOA\_Y

ClientSampleId :

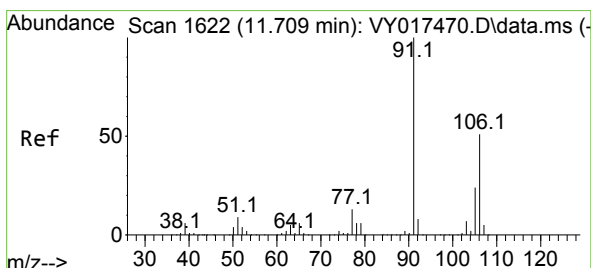
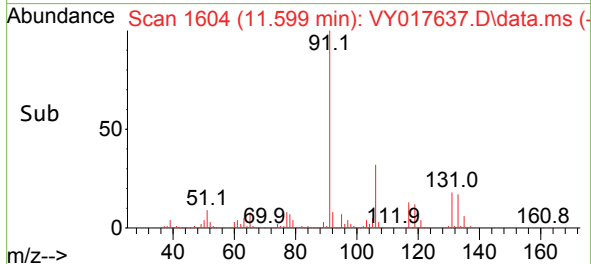
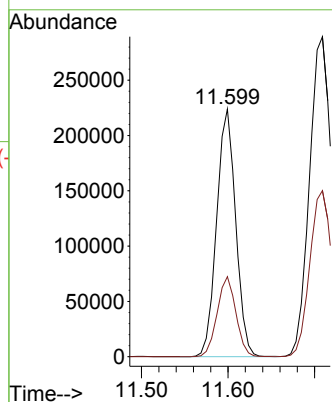
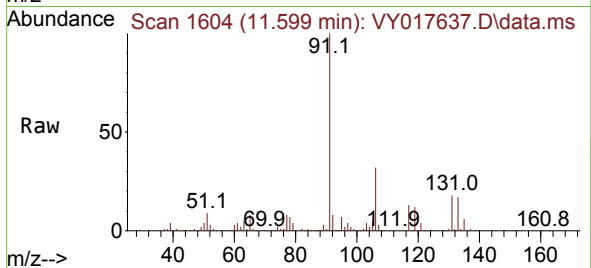
VSTDCCC050

Tgt Ion: 91 Resp: 341993

Ion Ratio Lower Upper

91 100

106 32.3 24.5 36.7



#68

m/p-Xylenes

Concen: 90.625 ug/l

RT: 11.709 min Scan# 1622

Delta R.T. 0.000 min

Lab File: VY017637.D

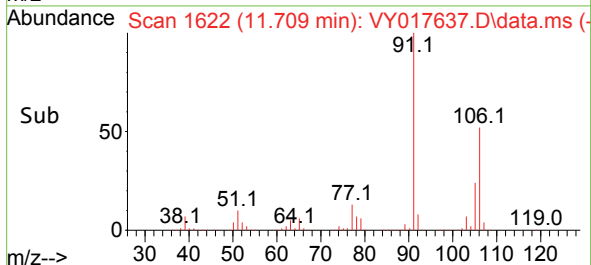
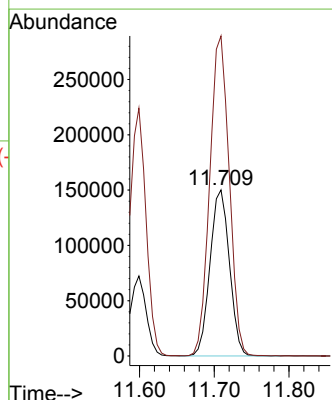
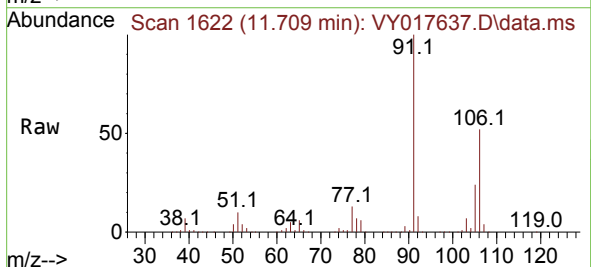
Acq: 12 Mar 2024 11:00

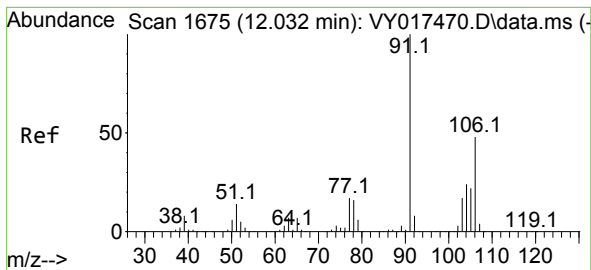
Tgt Ion: 106 Resp: 270693

Ion Ratio Lower Upper

106 100

91 193.9 156.0 234.0

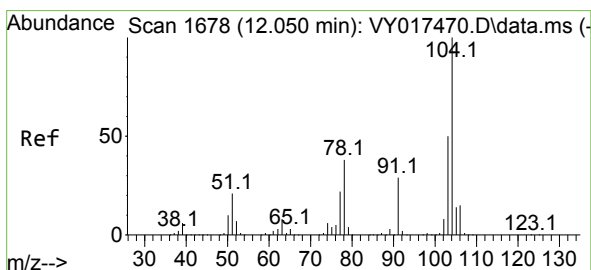
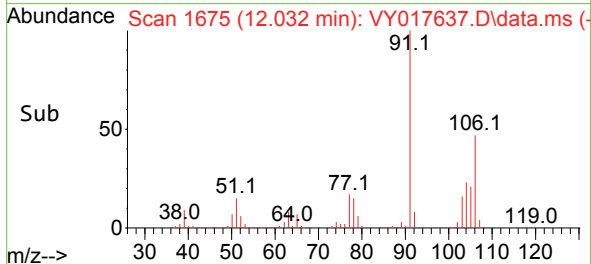
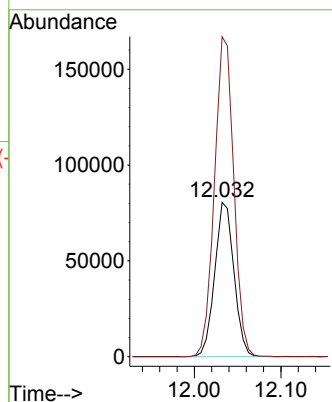
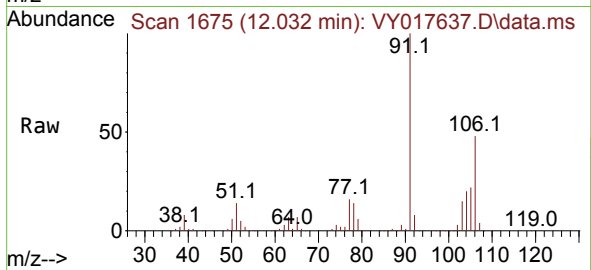




#69  
o-Xylene  
Concen: 44.793 ug/l  
RT: 12.032 min Scan# 1675  
Delta R.T. 0.000 min  
Lab File: VY017637.D  
Acq: 12 Mar 2024 11:00

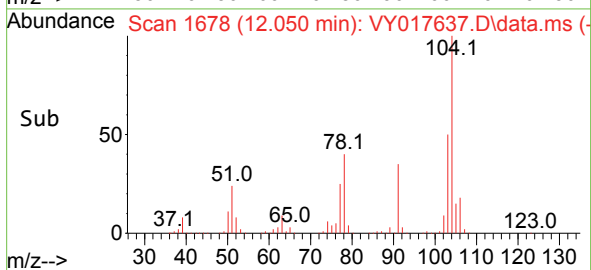
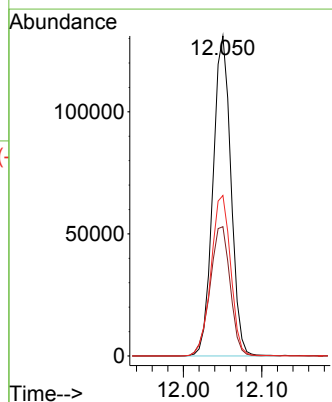
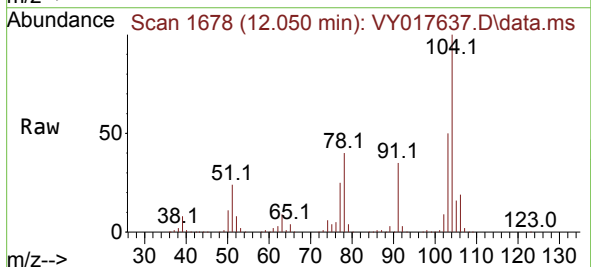
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

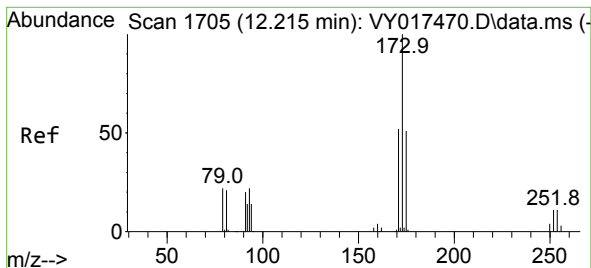
Tgt Ion:106 Resp: 124127  
Ion Ratio Lower Upper  
106 100  
91 208.7 103.6 310.8



#70  
Styrene  
Concen: 45.388 ug/l  
RT: 12.050 min Scan# 1678  
Delta R.T. 0.000 min  
Lab File: VY017637.D  
Acq: 12 Mar 2024 11:00

Tgt Ion:104 Resp: 208774  
Ion Ratio Lower Upper  
104 100  
78 45.3 37.0 55.4  
103 55.0 44.2 66.2





#71

Bromoform

Concen: 44.875 ug/l

RT: 12.215 min Scan# 1705

Delta R.T. 0.000 min

Lab File: VY017637.D

Acq: 12 Mar 2024 11:00

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

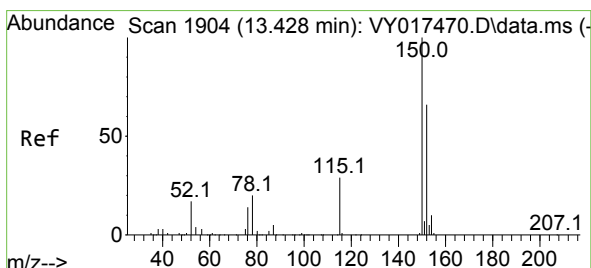
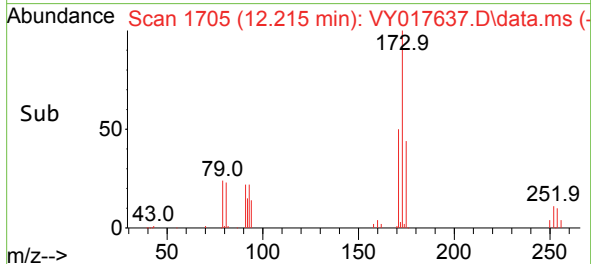
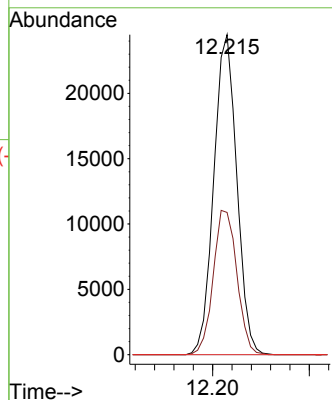
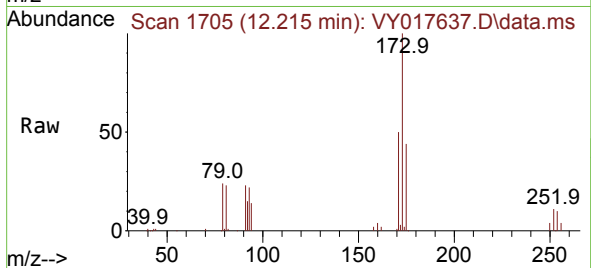
Tgt Ion:173 Resp: 40380

Ion Ratio Lower Upper

173 100

175 46.4 25.1 75.3

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY017637.D

Acq: 12 Mar 2024 11:00

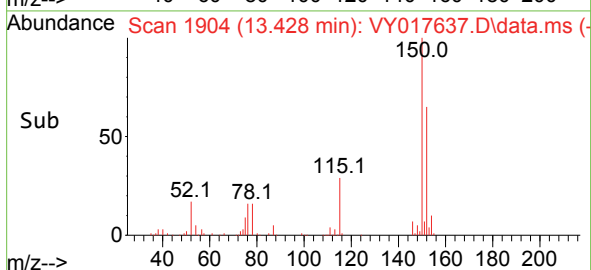
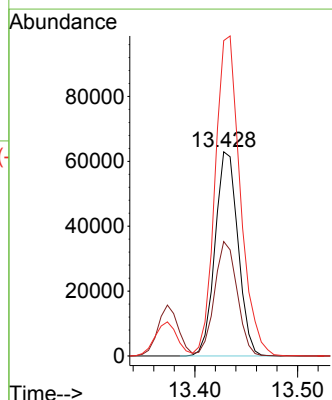
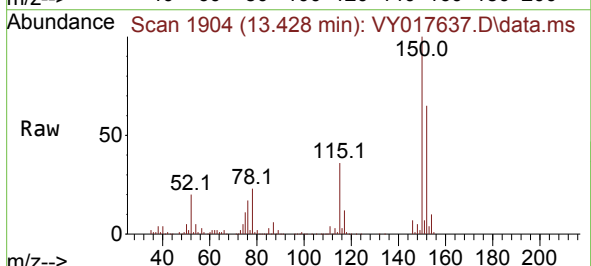
Tgt Ion:152 Resp: 97449

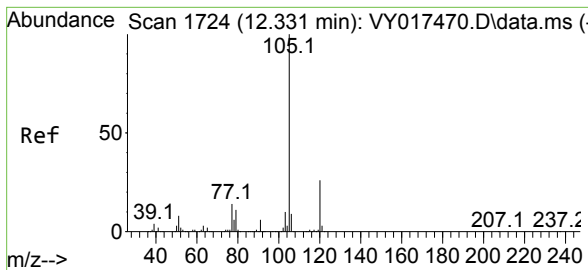
Ion Ratio Lower Upper

152 100

115 55.5 28.2 84.7

150 171.9 0.0 345.6

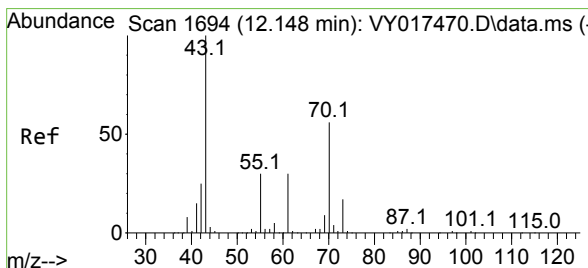
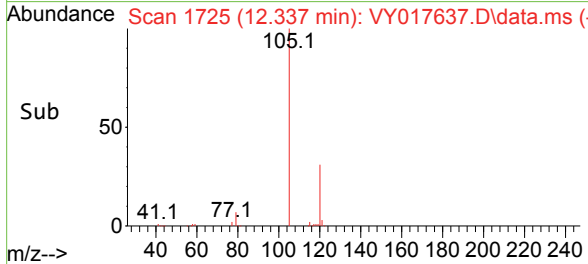
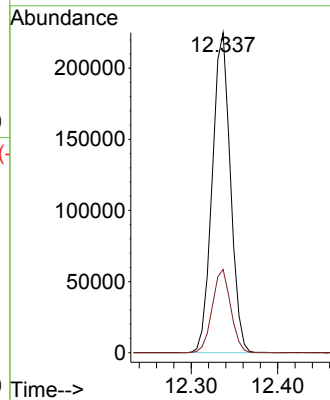
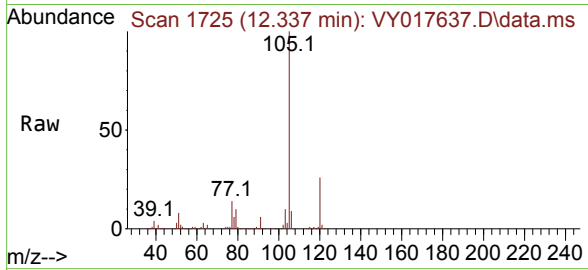




#73  
Isopropylbenzene  
Concen: 45.278 ug/l  
RT: 12.337 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY017637.D  
Acq: 12 Mar 2024 11:00

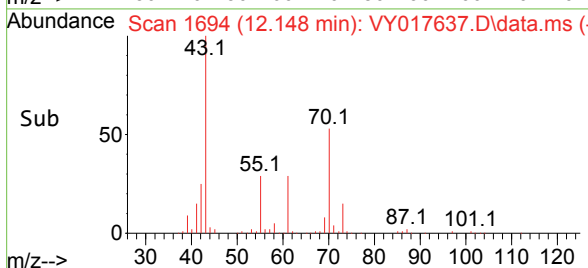
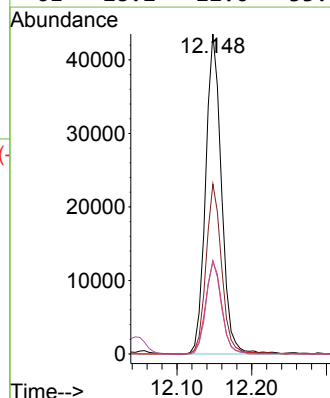
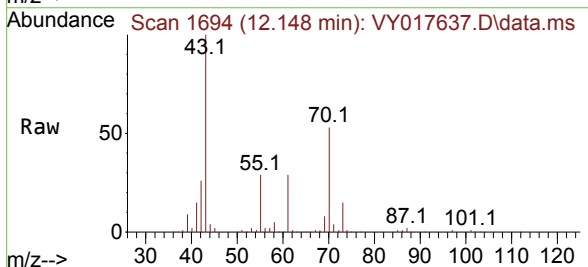
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

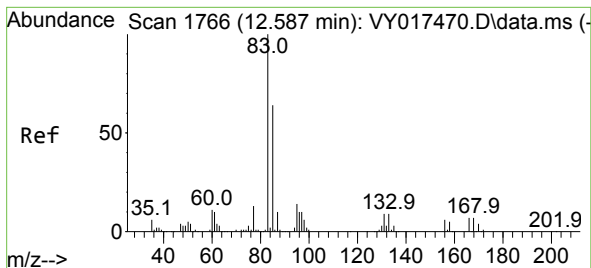
Tgt Ion:105 Resp: 327801  
Ion Ratio Lower Upper  
105 100  
120 26.4 13.4 40.1



#74  
N-ethyl acetate  
Concen: 50.160 ug/l  
RT: 12.148 min Scan# 1694  
Delta R.T. 0.000 min  
Lab File: VY017637.D  
Acq: 12 Mar 2024 11:00

Tgt Ion: 43 Resp: 64049  
Ion Ratio Lower Upper  
43 100  
70 52.2 41.4 62.2  
55 29.6 23.3 34.9  
61 28.2 22.6 33.8

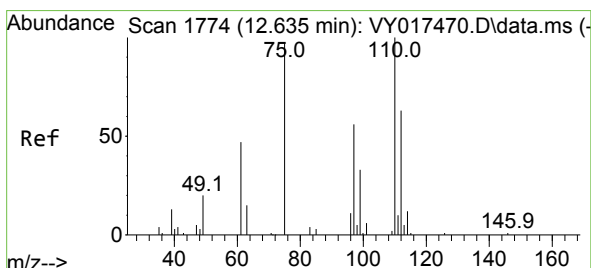
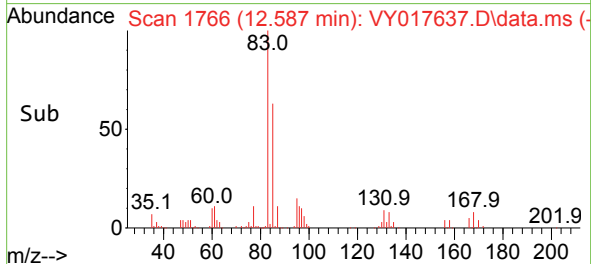
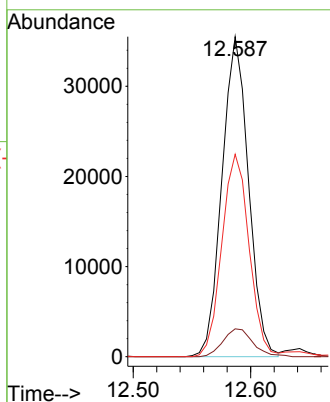
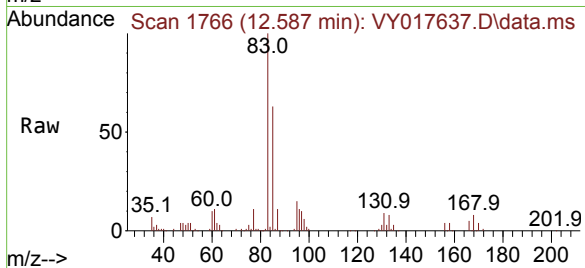




#75  
1,1,2,2-Tetrachloroethane  
Concen: 44.853 ug/l  
RT: 12.587 min Scan# 1766  
Delta R.T. 0.000 min  
Lab File: VY017637.D  
Acq: 12 Mar 2024 11:00

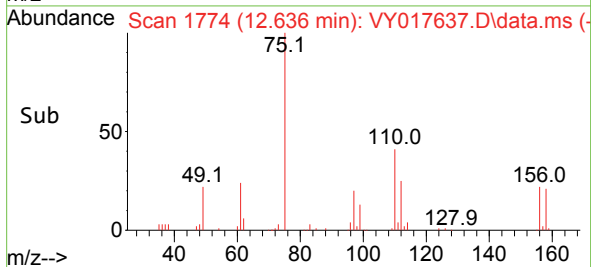
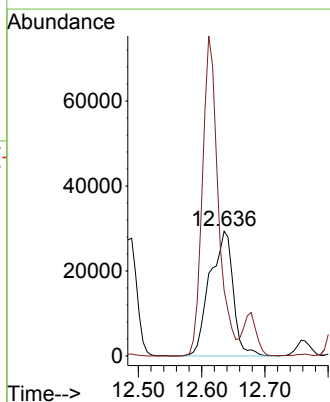
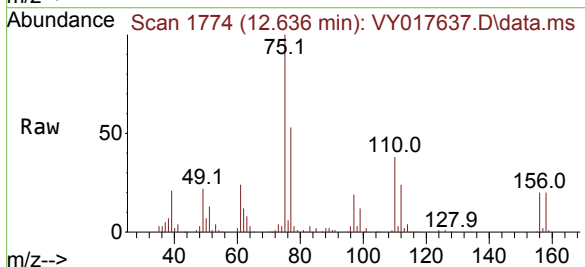
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

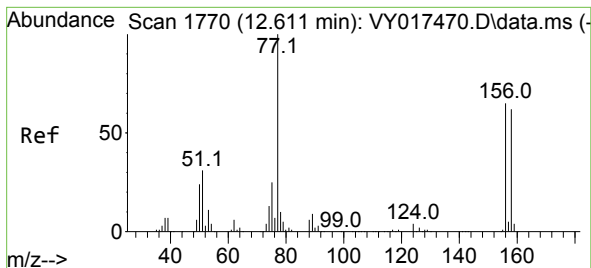
Tgt Ion: 83 Resp: 55763  
Ion Ratio Lower Upper  
83 100  
131 9.8 5.0 14.9  
85 64.8 32.0 96.0



#76  
1,2,3-Trichloropropane  
Concen: 81.315 ug/l  
RT: 12.636 min Scan# 1774  
Delta R.T. 0.000 min  
Lab File: VY017637.D  
Acq: 12 Mar 2024 11:00

Tgt Ion: 75 Resp: 75291  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 43.517 ug/l

RT: 12.611 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY017637.D

Acq: 12 Mar 2024 11:00

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

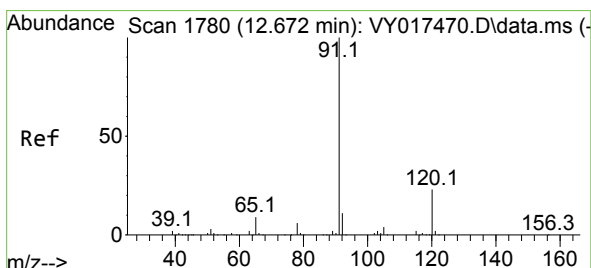
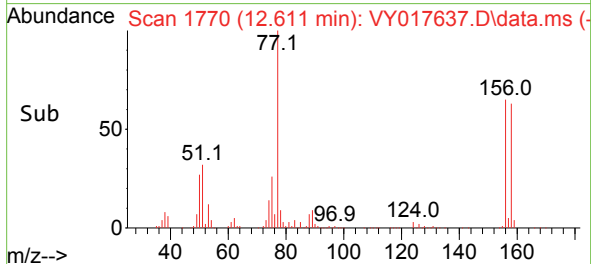
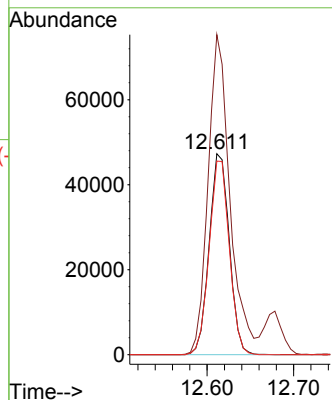
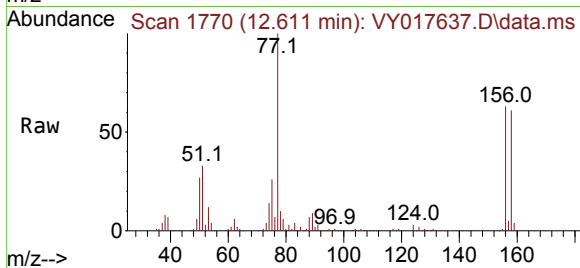
Tgt Ion:156 Resp: 76297

Ion Ratio Lower Upper

156 100

77 172.5 87.1 261.3

158 96.8 48.6 145.9



#78

n-propylbenzene

Concen: 46.039 ug/l

RT: 12.678 min Scan# 1781

Delta R.T. 0.006 min

Lab File: VY017637.D

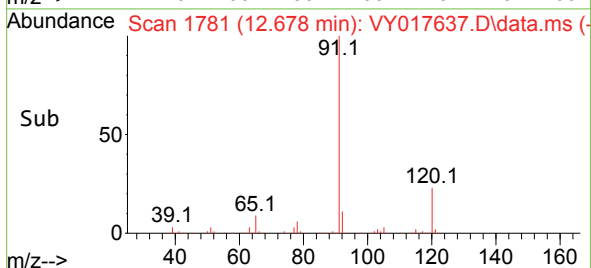
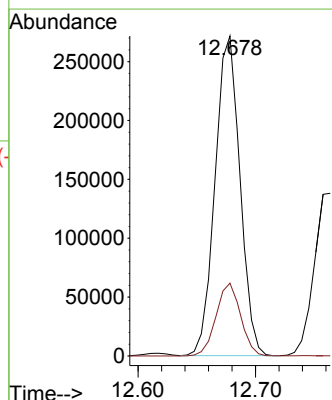
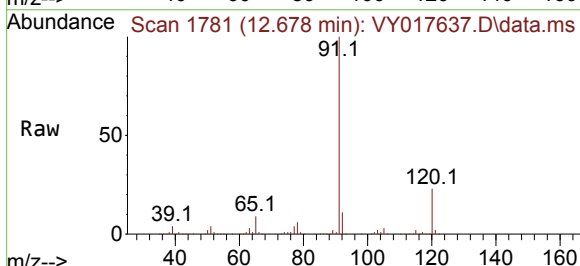
Acq: 12 Mar 2024 11:00

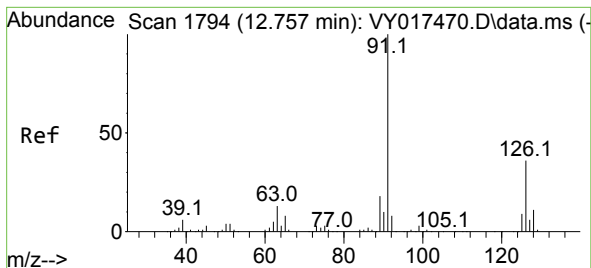
Tgt Ion: 91 Resp: 399944

Ion Ratio Lower Upper

91 100

120 22.5 11.5 34.4

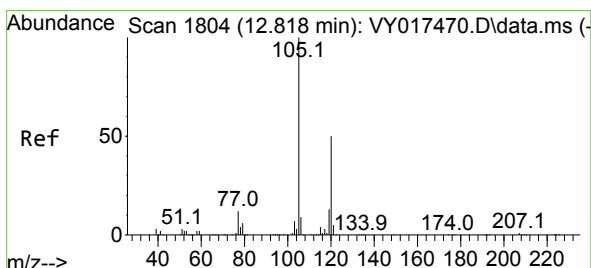
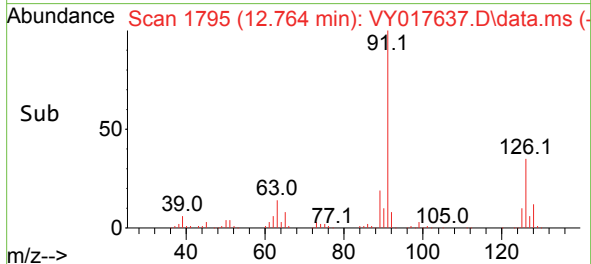
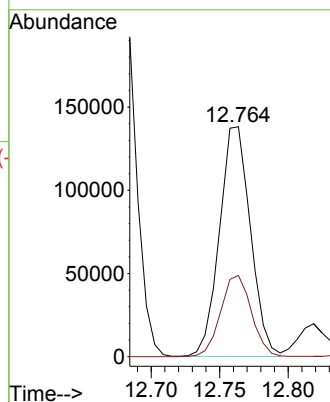
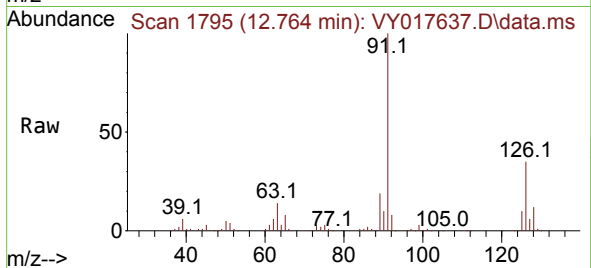




#79  
2-Chlorotoluene  
Concen: 44.730 ug/l  
RT: 12.764 min Scan# 1795  
Delta R.T. 0.006 min  
Lab File: VY017637.D  
Acq: 12 Mar 2024 11:00

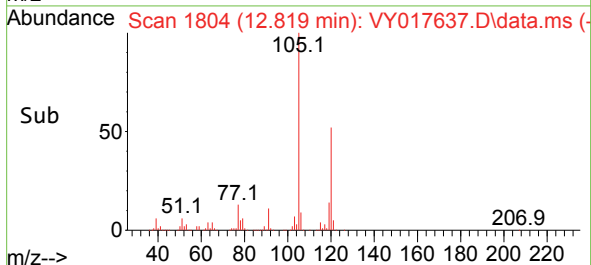
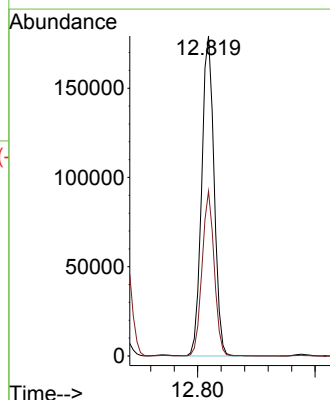
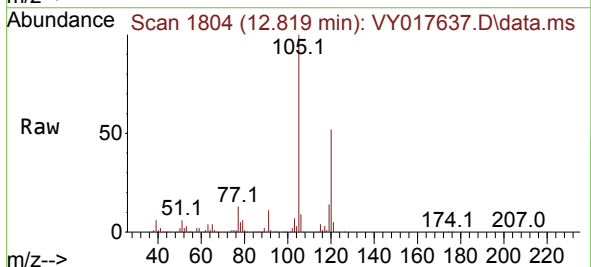
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

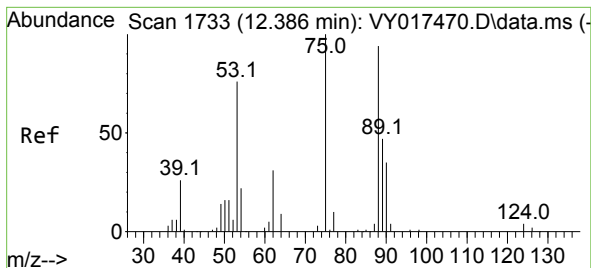
Tgt Ion: 91 Resp: 217550  
Ion Ratio Lower Upper  
91 100  
126 35.1 17.8 53.5



#80  
1,3,5-Trimethylbenzene  
Concen: 45.421 ug/l  
RT: 12.819 min Scan# 1804  
Delta R.T. 0.000 min  
Lab File: VY017637.D  
Acq: 12 Mar 2024 11:00

Tgt Ion: 105 Resp: 263457  
Ion Ratio Lower Upper  
105 100  
120 50.4 25.1 75.2

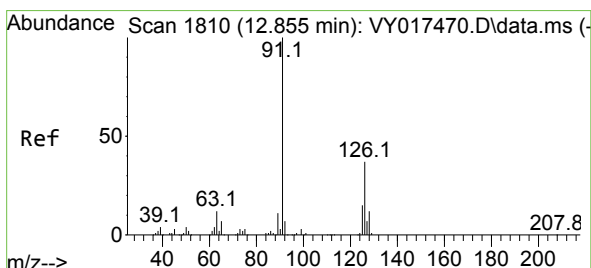
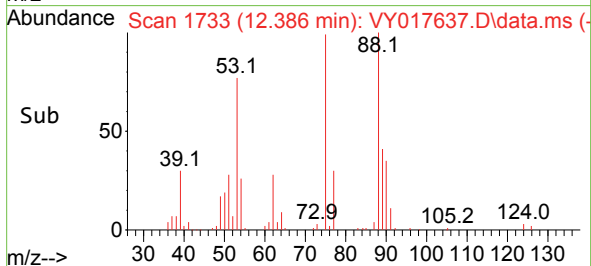
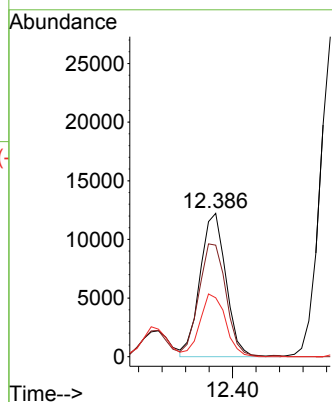
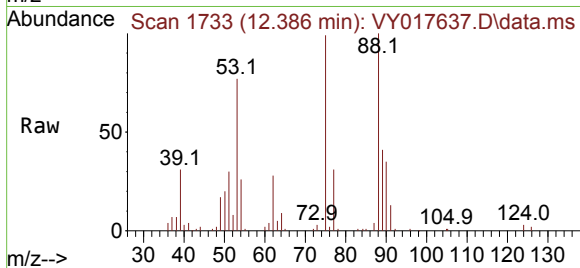




#81  
trans-1,4-Dichloro-2-butene  
Concen: 46.374 ug/l  
RT: 12.386 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY017637.D  
Acq: 12 Mar 2024 11:00

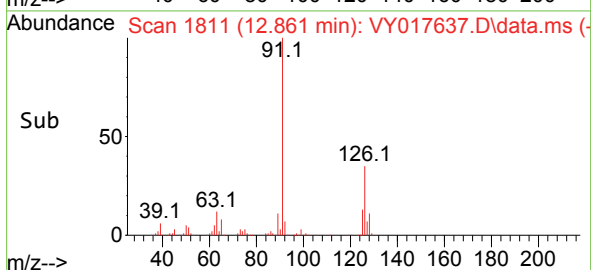
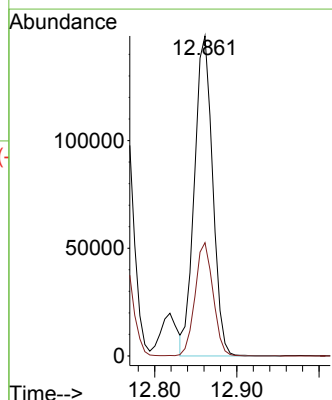
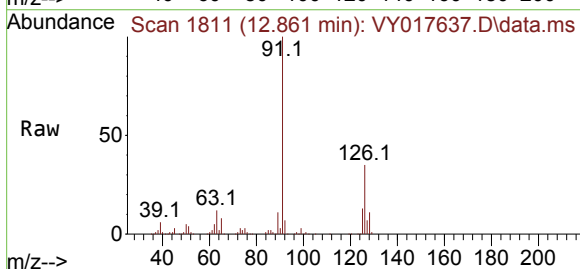
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

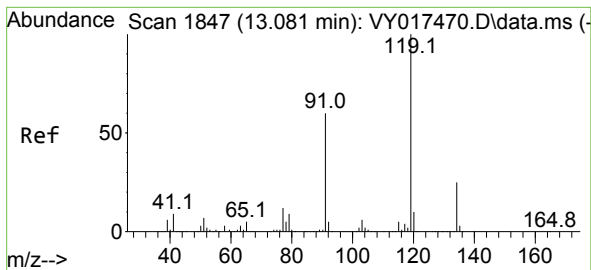
Tgt Ion: 75 Resp: 18687  
Ion Ratio Lower Upper  
75 100  
53 82.6 66.8 100.2  
89 43.4 35.8 53.6



#82  
4-Chlorotoluene  
Concen: 45.896 ug/l  
RT: 12.861 min Scan# 1811  
Delta R.T. 0.006 min  
Lab File: VY017637.D  
Acq: 12 Mar 2024 11:00

Tgt Ion: 91 Resp: 228318  
Ion Ratio Lower Upper  
91 100  
126 35.1 17.6 52.9





#83

tert-Butylbenzene

Concen: 44.570 ug/l

RT: 13.081 min Scan# 119

Delta R.T. 0.000 min

Lab File: VY017637.D

Acq: 12 Mar 2024 11:00

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

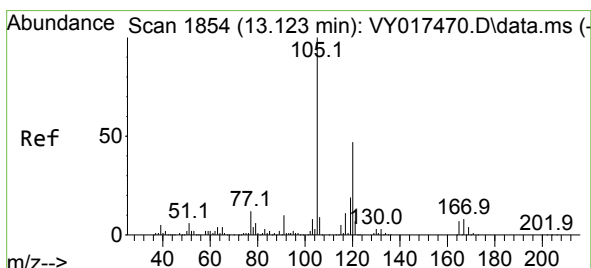
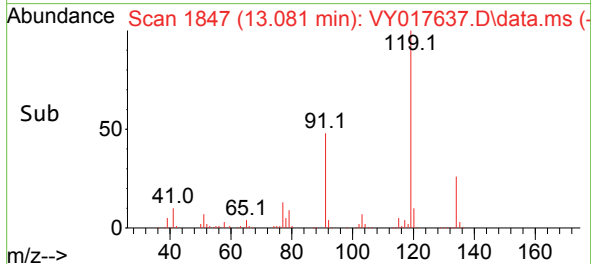
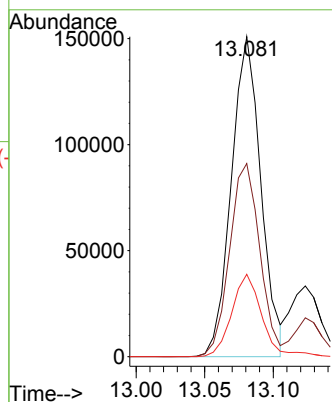
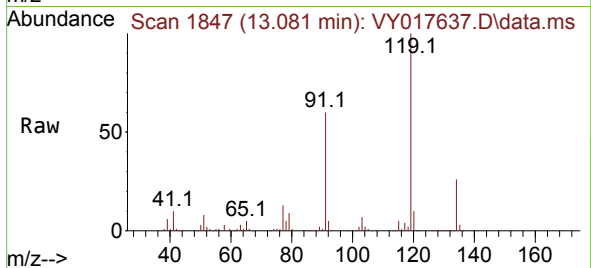
Tgt Ion:119 Resp: 227011

Ion Ratio Lower Upper

119 100

91 61.6 31.3 93.8

134 26.2 13.4 40.1



#84

1,2,4-Trimethylbenzene

Concen: 45.240 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. 0.000 min

Lab File: VY017637.D

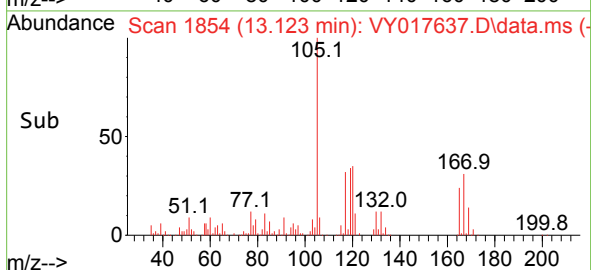
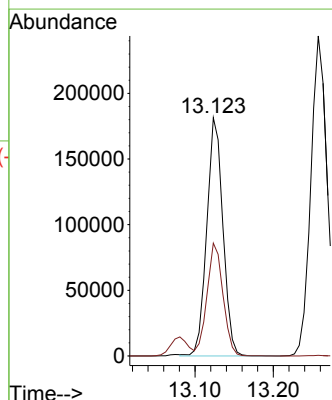
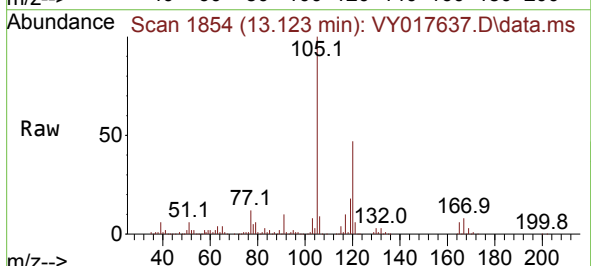
Acq: 12 Mar 2024 11:00

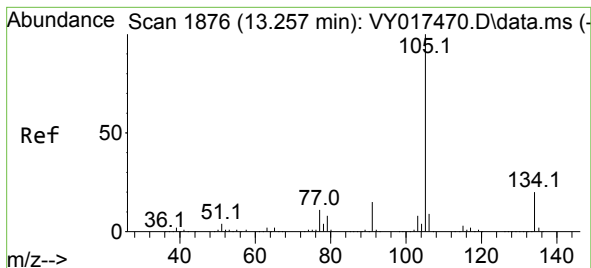
Tgt Ion:105 Resp: 259059

Ion Ratio Lower Upper

105 100

120 46.9 23.2 69.6





#85

sec-Butylbenzene

Concen: 45.230 ug/l

RT: 13.257 min Scan# 1876

Delta R.T. 0.000 min

Lab File: VY017637.D

Acq: 12 Mar 2024 11:00

Instrument :

MSVOA\_Y

ClientSampleId :

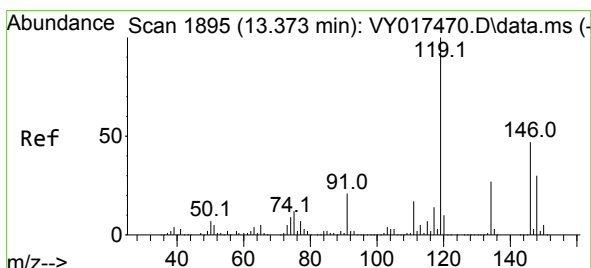
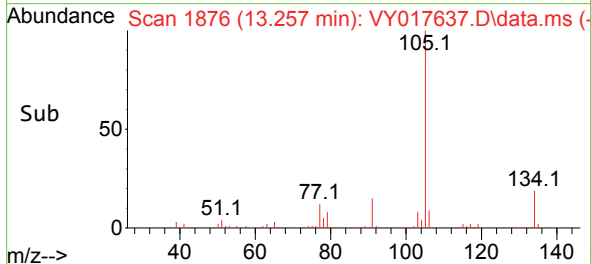
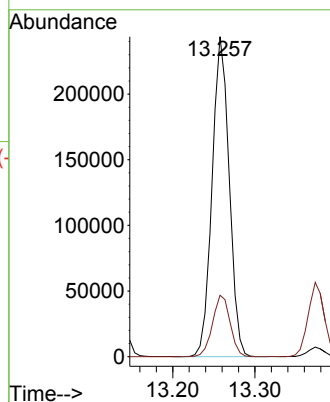
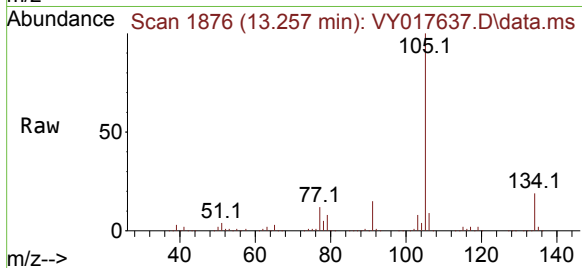
VSTDCCC050

Tgt Ion:105 Resp: 352210

Ion Ratio Lower Upper

105 100

134 19.7 10.1 30.1



#86

p-Isopropyltoluene

Concen: 45.734 ug/l

RT: 13.373 min Scan# 1895

Delta R.T. 0.000 min

Lab File: VY017637.D

Acq: 12 Mar 2024 11:00

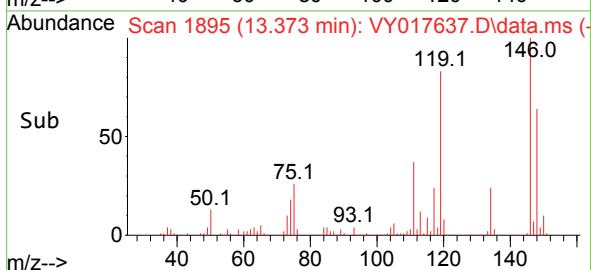
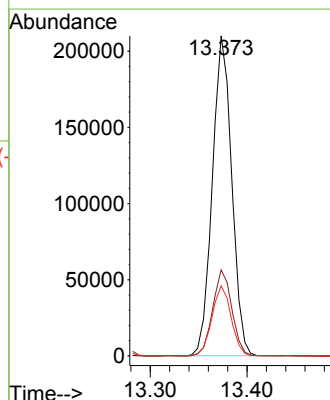
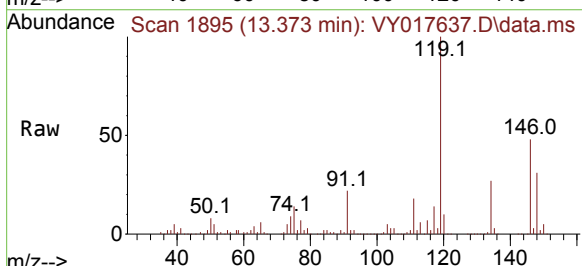
Tgt Ion:119 Resp: 291538

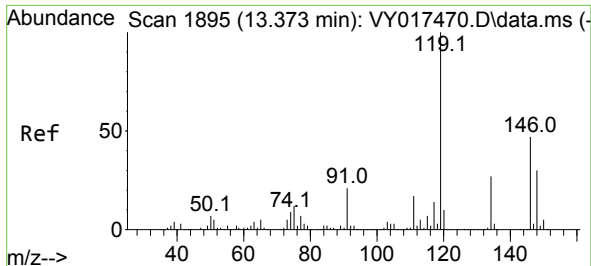
Ion Ratio Lower Upper

119 100

134 26.6 13.1 39.3

91 21.7 10.7 32.1





#87

1,3-Dichlorobenzene

Concen: 43.513 ug/l

RT: 13.373 min Scan# 1895

Delta R.T. 0.000 min

Lab File: VY017637.D

Acq: 12 Mar 2024 11:00

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

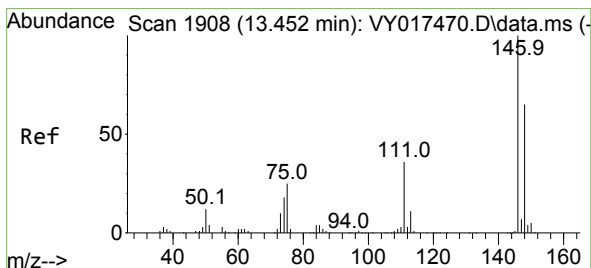
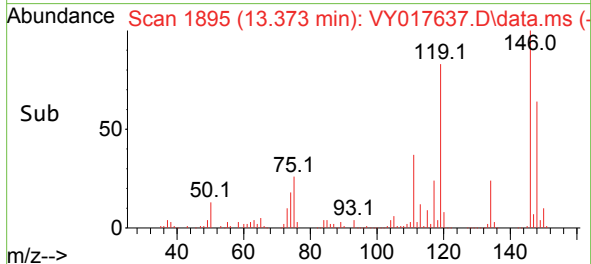
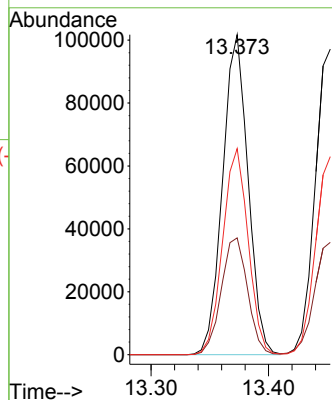
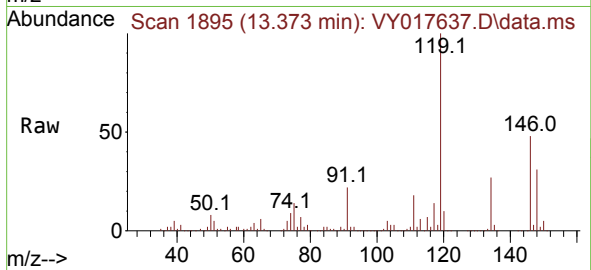
Tgt Ion:146 Resp: 153130

Ion Ratio Lower Upper

146 100

111 37.9 19.0 57.0

148 64.5 31.7 95.1



#88

1,4-Dichlorobenzene

Concen: 43.967 ug/l

RT: 13.453 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VY017637.D

Acq: 12 Mar 2024 11:00

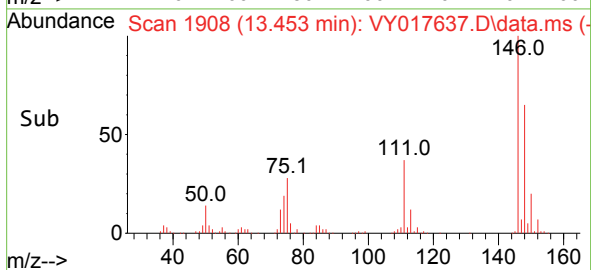
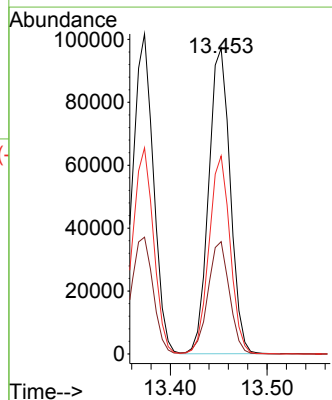
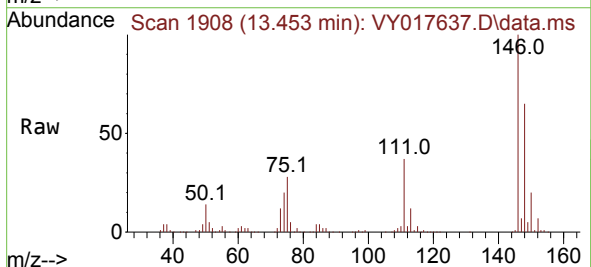
Tgt Ion:146 Resp: 150427

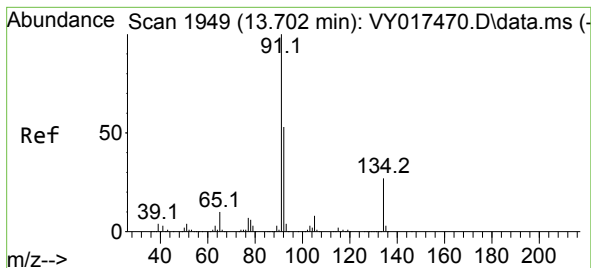
Ion Ratio Lower Upper

146 100

111 36.9 18.4 55.4

148 63.8 32.4 97.2





#89

n-Butylbenzene

Concen: 45.987 ug/l

RT: 13.703 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VY017637.D

Acq: 12 Mar 2024 11:00

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

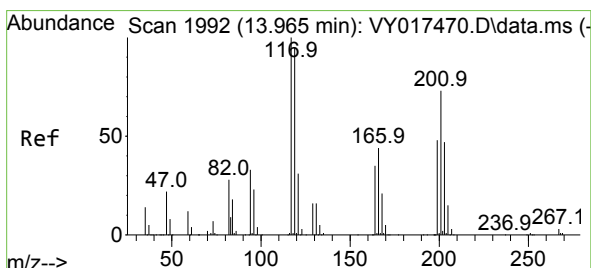
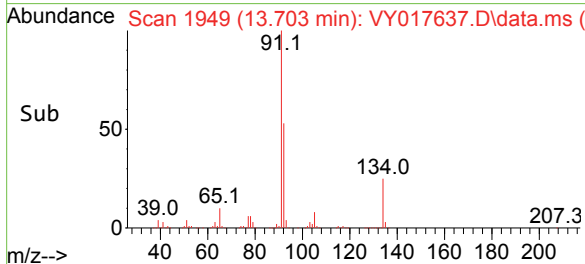
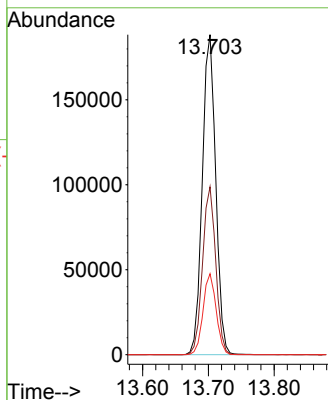
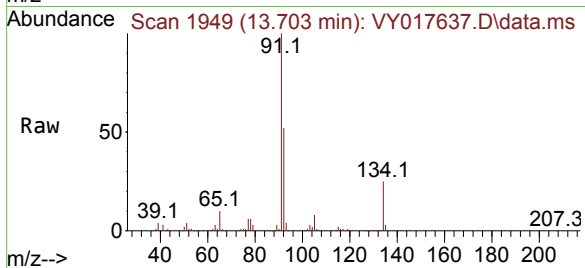
Tgt Ion: 91 Resp: 267459

Ion Ratio Lower Upper

91 100

92 51.7 26.6 79.7

134 24.8 12.9 38.7



#90

Hexachloroethane

Concen: 43.384 ug/l

RT: 13.965 min Scan# 1992

Delta R.T. 0.000 min

Lab File: VY017637.D

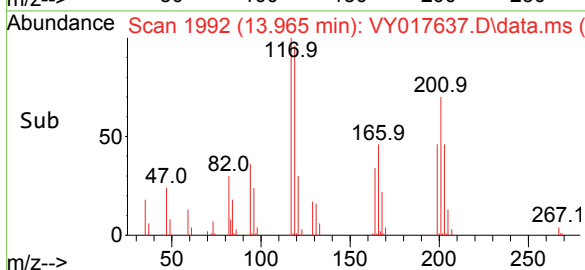
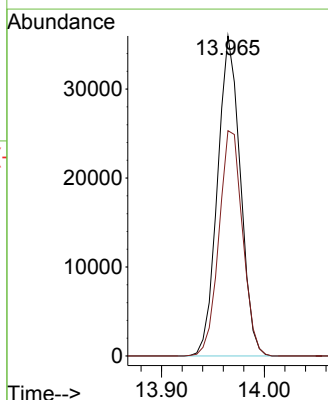
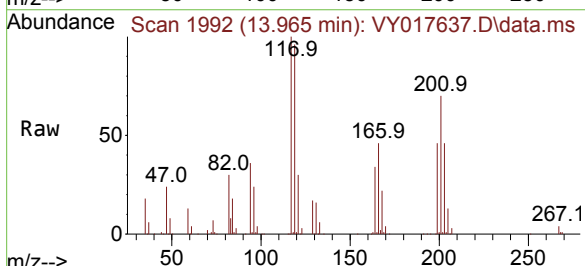
Acq: 12 Mar 2024 11:00

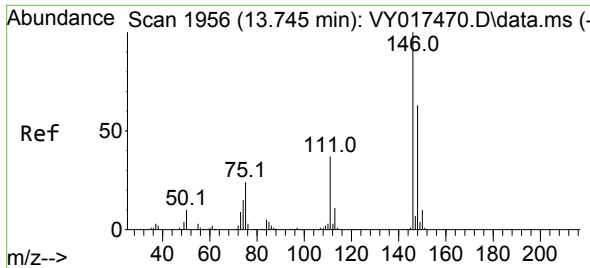
Tgt Ion: 117 Resp: 55444

Ion Ratio Lower Upper

117 100

201 72.9 37.4 112.2

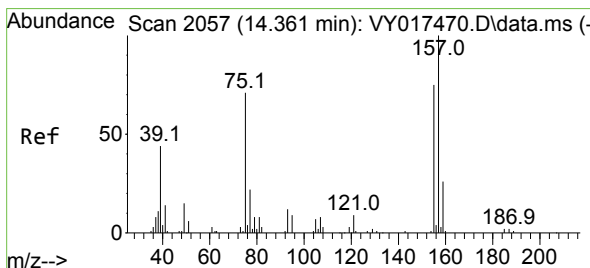
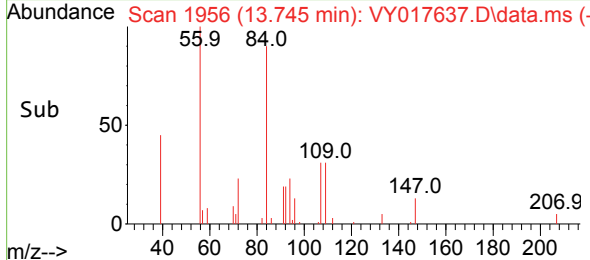
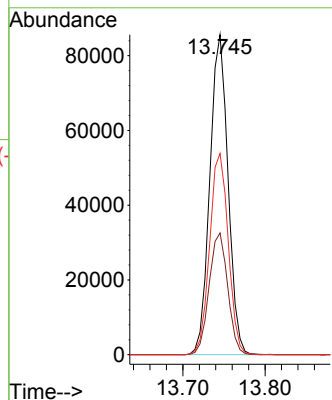
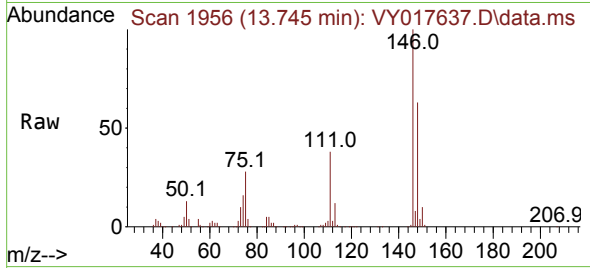




#91  
1,2-Dichlorobenzene  
Concen: 44.183 ug/l  
RT: 13.745 min Scan# 1956  
Delta R.T. 0.000 min  
Lab File: VY017637.D  
Acq: 12 Mar 2024 11:00

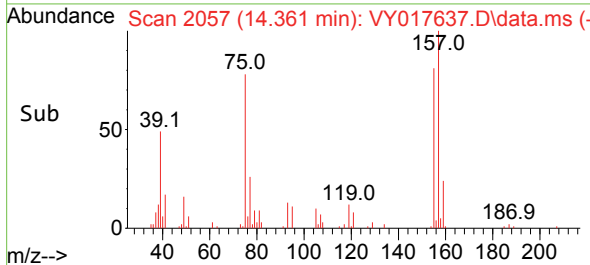
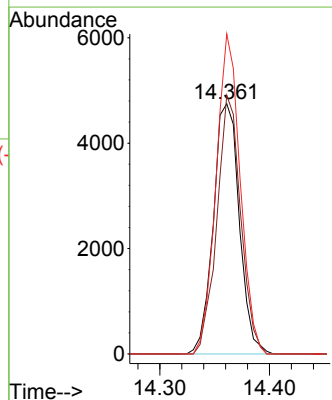
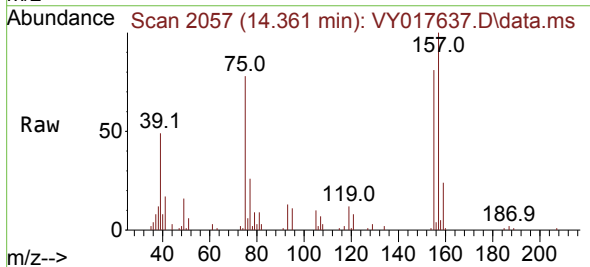
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

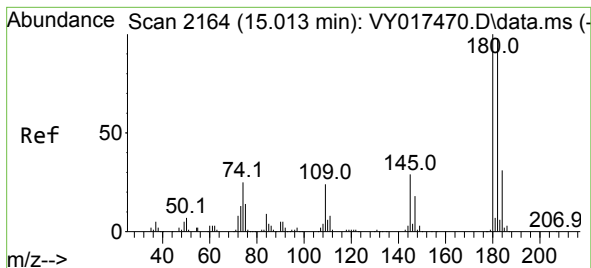
Tgt Ion:146 Resp: 131519  
Ion Ratio Lower Upper  
146 100  
111 39.0 19.9 59.7  
148 64.3 31.8 95.4



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 44.714 ug/l  
RT: 14.361 min Scan# 2057  
Delta R.T. 0.000 min  
Lab File: VY017637.D  
Acq: 12 Mar 2024 11:00

Tgt Ion: 75 Resp: 7815  
Ion Ratio Lower Upper  
75 100  
155 94.8 48.6 145.8  
157 118.8 62.7 188.2





#93

1,2,4-Trichlorobenzene

Concen: 43.211 ug/l

RT: 15.013 min Scan# 2164

Delta R.T. 0.000 min

Lab File: VY017637.D

Acq: 12 Mar 2024 11:00

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

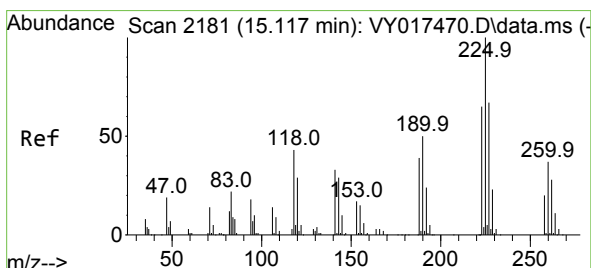
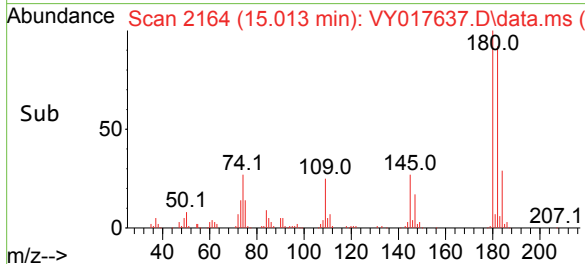
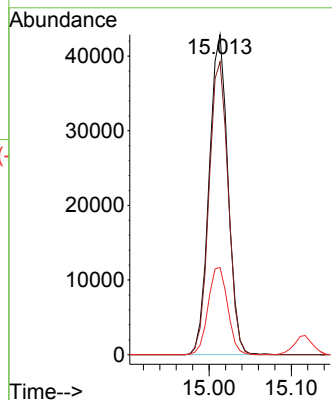
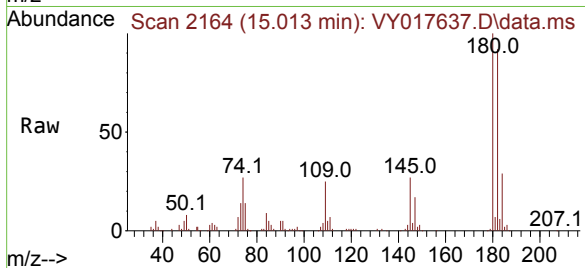
Tgt Ion:180 Resp: 67942

Ion Ratio Lower Upper

180 100

182 93.4 47.9 143.8

145 28.4 14.2 42.6



#94

Hexachlorobutadiene

Concen: 39.969 ug/l

RT: 15.117 min Scan# 2181

Delta R.T. 0.000 min

Lab File: VY017637.D

Acq: 12 Mar 2024 11:00

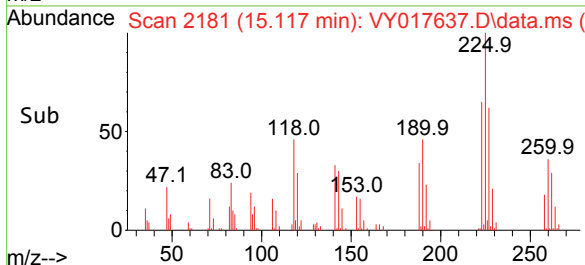
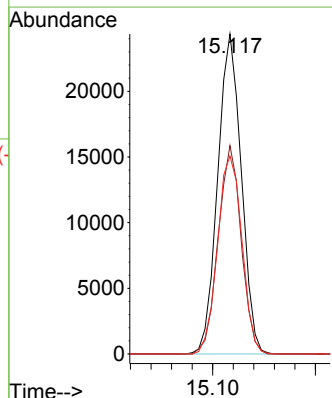
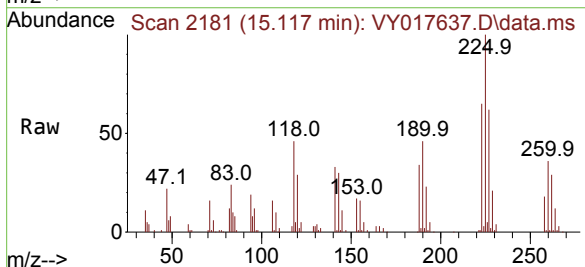
Tgt Ion:225 Resp: 38800

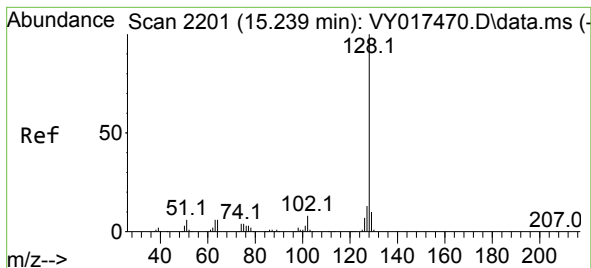
Ion Ratio Lower Upper

225 100

223 63.4 30.4 91.2

227 63.9 31.9 95.9





#95

Naphthalene

Concen: 40.319 ug/l

RT: 15.239 min Scan# 2201

Delta R.T. -0.000 min

Lab File: VY017637.D

Acq: 12 Mar 2024 11:00

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

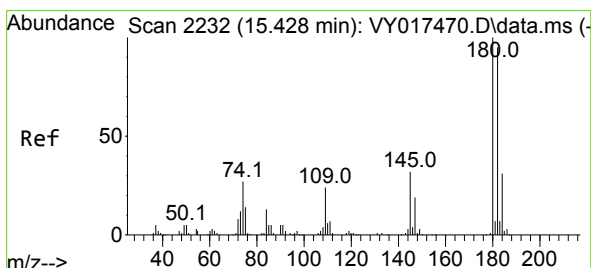
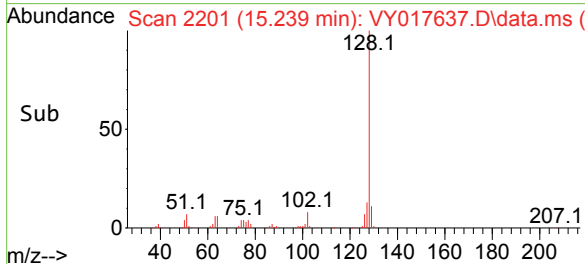
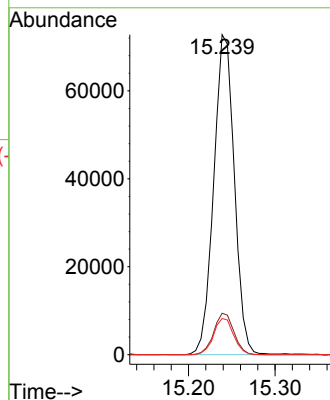
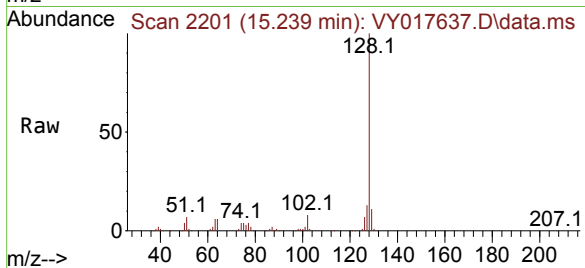
Tgt Ion:128 Resp: 120331

Ion Ratio Lower Upper

128 100

127 12.7 10.6 16.0

129 11.0 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 42.810 ug/l

RT: 15.428 min Scan# 2232

Delta R.T. 0.000 min

Lab File: VY017637.D

Acq: 12 Mar 2024 11:00

Tgt Ion:180 Resp: 57744

Ion Ratio Lower Upper

180 100

182 94.8 47.6 142.9

145 29.6 15.4 46.1

