

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY071723\  
 Data File : VY014663.D  
 Acq On : 17 Jul 2023 11:00  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Jul 18 06:06:09 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y071323S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 14 02:09:50 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.783  | 168  | 307698   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.685  | 114  | 507929   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.490 | 117  | 451443   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.422 | 152  | 223671   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.137  | 65    | 175142   | 49.950   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 99.900% |
| 35) Dibromofluoromethane    | 7.710  | 113   | 161637   | 49.991   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 99.980% |
| 50) Toluene-d8              | 10.179 | 98    | 570379   | 47.848   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 95.700% |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 220294   | 48.195   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 96.400% |

|                              |       |     |         |         |        |    |
|------------------------------|-------|-----|---------|---------|--------|----|
| Target Compounds             |       |     |         |         | Qvalue |    |
| 2) Dichlorodifluoromethane   | 1.900 | 85  | 112940  | 45.052  | ug/l   | 93 |
| 3) Chloromethane             | 2.107 | 50  | 142106  | 50.429  | ug/l   | 99 |
| 4) Vinyl Chloride            | 2.247 | 62  | 160741  | 51.039  | ug/l   | 97 |
| 5) Bromomethane              | 2.638 | 94  | 113229  | 54.404  | ug/l   | 97 |
| 6) Chloroethane              | 2.784 | 64  | 103816  | 52.773  | ug/l   | 97 |
| 7) Trichlorofluoromethane    | 3.113 | 101 | 259737  | 49.106  | ug/l   | 97 |
| 8) Diethyl Ether             | 3.522 | 74  | 102987  | 52.331  | ug/l   | 89 |
| 9) 1,1,2-Trichlorotrifluo... | 3.887 | 101 | 159070  | 49.065  | ug/l   | 95 |
| 10) Methyl Iodide            | 4.076 | 142 | 180924  | 52.518  | ug/l   | 96 |
| 11) Tert butyl alcohol       | 4.942 | 59  | 206224  | 290.485 | ug/l # | 85 |
| 12) 1,1-Dichloroethene       | 3.863 | 96  | 148560  | 49.029  | ug/l   | 95 |
| 13) Acrolein                 | 3.723 | 56  | 82642   | 225.501 | ug/l   | 98 |
| 14) Allyl chloride           | 4.466 | 41  | 264667  | 49.195  | ug/l   | 95 |
| 15) Acrylonitrile            | 5.149 | 53  | 326653  | 300.999 | ug/l   | 97 |
| 16) Acetone                  | 3.942 | 43  | 325646  | 293.080 | ug/l   | 91 |
| 17) Carbon Disulfide         | 4.186 | 76  | 402266  | 46.371  | ug/l   | 98 |
| 18) Methyl Acetate           | 4.466 | 43  | 260867  | 61.180  | ug/l   | 93 |
| 19) Methyl tert-butyl Ether  | 5.210 | 73  | 537134  | 54.572  | ug/l   | 99 |
| 20) Methylene Chloride       | 4.704 | 84  | 190171  | 52.933  | ug/l   | 88 |
| 21) trans-1,2-Dichloroethene | 5.210 | 96  | 169721  | 49.357  | ug/l   | 98 |
| 22) Diisopropyl ether        | 6.113 | 45  | 560807  | 51.271  | ug/l   | 92 |
| 23) Vinyl Acetate            | 6.052 | 43  | 1768210 | 270.135 | ug/l   | 96 |
| 24) 1,1-Dichloroethane       | 6.009 | 63  | 318064  | 50.820  | ug/l   | 97 |
| 25) 2-Butanone               | 6.978 | 43  | 491382  | 302.286 | ug/l   | 97 |
| 26) 2,2-Dichloropropane      | 6.972 | 77  | 295779  | 49.588  | ug/l   | 99 |
| 27) cis-1,2-Dichloroethene   | 6.978 | 96  | 207286  | 51.789  | ug/l   | 97 |
| 28) Bromochloromethane       | 7.326 | 49  | 138233  | 51.284  | ug/l   | 94 |
| 29) Tetrahydrofuran          | 7.338 | 42  | 304133  | 303.847 | ug/l   | 93 |
| 30) Chloroform               | 7.496 | 83  | 331918  | 51.429  | ug/l   | 98 |
| 31) Cyclohexane              | 7.777 | 56  | 258426  | 44.399  | ug/l   | 93 |
| 32) 1,1,1-Trichloroethane    | 7.698 | 97  | 290926  | 50.085  | ug/l   | 99 |
| 36) 1,1-Dichloropropene      | 7.911 | 75  | 238015  | 49.224  | ug/l   | 99 |
| 37) Ethyl Acetate            | 7.064 | 43  | 195643  | 58.767  | ug/l # | 95 |
| 38) Carbon Tetrachloride     | 7.893 | 117 | 259136  | 50.698  | ug/l   | 99 |
| 39) Methylcyclohexane        | 9.179 | 83  | 297310  | 47.195  | ug/l   | 96 |
| 40) Benzene                  | 8.155 | 78  | 697370  | 50.710  | ug/l   | 98 |

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 Quant Title : SW846 8260  
 QLast Update : Fri Jul 14 02:09:50 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units | Dev(Min) |
|-------------------------------|--------|------|----------|----------|-------|----------|
| 41) Methacrylonitrile         | 7.338  | 41   | 273838   | 159.917  | ug/l  | # 28     |
| 42) 1,2-Dichloroethane        | 8.234  | 62   | 232102   | 53.297   | ug/l  | 94       |
| 43) Isopropyl Acetate         | 8.265  | 43   | 359272   | 56.652   | ug/l  | 97       |
| 44) Trichloroethene           | 8.935  | 130  | 196338   | 51.027   | ug/l  | 100      |
| 45) 1,2-Dichloropropane       | 9.210  | 63   | 183254   | 51.032   | ug/l  | 97       |
| 46) Dibromomethane            | 9.301  | 93   | 116390   | 53.427   | ug/l  | 97       |
| 47) Bromodichloromethane      | 9.490  | 83   | 268710   | 52.335   | ug/l  | 97       |
| 48) Methyl methacrylate       | 9.289  | 41   | 162506   | 56.948   | ug/l  | 93       |
| 49) 1,4-Dioxane               | 9.289  | 88   | 44190    | 1244.023 | ug/l  | # 46     |
| 51) 4-Methyl-2-Pentanone      | 10.069 | 43   | 996079   | 299.151  | ug/l  | 94       |
| 52) Toluene                   | 10.240 | 92   | 444829   | 50.549   | ug/l  | 94       |
| 53) t-1,3-Dichloropropene     | 10.459 | 75   | 295020   | 52.530   | ug/l  | 99       |
| 54) cis-1,3-Dichloropropene   | 9.923  | 75   | 316801   | 51.871   | ug/l  | 96       |
| 55) 1,1,2-Trichloroethane     | 10.642 | 97   | 165594   | 54.570   | ug/l  | 97       |
| 56) Ethyl methacrylate        | 10.508 | 69   | 259186   | 55.941   | ug/l  | 91       |
| 57) 1,3-Dichloropropane       | 10.789 | 76   | 281348   | 53.754   | ug/l  | 98       |
| 58) 2-Chloroethyl Vinyl ether | 9.777  | 63   | 595315   | 275.760  | ug/l  | 94       |
| 59) 2-Hexanone                | 10.825 | 43   | 732563   | 301.691  | ug/l  | 92       |
| 60) Dibromochloromethane      | 10.984 | 129  | 202454   | 54.415   | ug/l  | 99       |
| 61) 1,2-Dibromoethane         | 11.087 | 107  | 165552   | 54.687   | ug/l  | 100      |
| 64) Tetrachloroethene         | 10.715 | 164  | 185947   | 51.214   | ug/l  | 97       |
| 65) Chlorobenzene             | 11.514 | 112  | 490728   | 51.011   | ug/l  | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.587 | 131  | 192050   | 52.947   | ug/l  | 98       |
| 67) Ethyl Benzene             | 11.593 | 91   | 868945   | 50.028   | ug/l  | 97       |
| 68) m/p-Xylenes               | 11.703 | 106  | 664736   | 100.258  | ug/l  | 96       |
| 69) o-Xylene                  | 12.026 | 106  | 327754   | 50.752   | ug/l  | 99       |
| 70) Styrene                   | 12.044 | 104  | 560076   | 51.457   | ug/l  | 98       |
| 71) Bromoform                 | 12.203 | 173  | 141145   | 57.408   | ug/l  | 98       |
| 73) Isopropylbenzene          | 12.325 | 105  | 853183   | 48.716   | ug/l  | 99       |
| 74) N-amyl acetate            | 12.142 | 43   | 316452   | 53.950   | ug/l  | 93       |
| 75) 1,1,2,2-Tetrachloroethane | 12.581 | 83   | 217228   | 54.391   | ug/l  | 99       |
| 76) 1,2,3-Trichloropropane    | 12.630 | 75   | 287449   | 101.755  | ug/l  | # 100    |
| 77) Bromobenzene              | 12.605 | 156  | 208827   | 52.236   | ug/l  | 95       |
| 78) n-propylbenzene           | 12.666 | 91   | 1024228  | 48.532   | ug/l  | 99       |
| 79) 2-Chlorotoluene           | 12.752 | 91   | 596795   | 49.097   | ug/l  | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.813 | 105  | 718924   | 49.153   | ug/l  | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.374 | 75   | 81229    | 55.674   | ug/l  | 93       |
| 82) 4-Chlorotoluene           | 12.855 | 91   | 619517   | 49.486   | ug/l  | 100      |
| 83) tert-Butylbenzene         | 13.075 | 119  | 635956   | 49.016   | ug/l  | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.117 | 105  | 716760   | 49.934   | ug/l  | 100      |
| 85) sec-Butylbenzene          | 13.252 | 105  | 934892   | 49.120   | ug/l  | 100      |
| 86) p-Isopropyltoluene        | 13.367 | 119  | 778729   | 50.112   | ug/l  | 99       |
| 87) 1,3-Dichlorobenzene       | 13.367 | 146  | 398475   | 51.214   | ug/l  | 99       |
| 88) 1,4-Dichlorobenzene       | 13.447 | 146  | 401170   | 51.453   | ug/l  | 99       |
| 89) n-Butylbenzene            | 13.697 | 91   | 738527   | 48.849   | ug/l  | 95       |
| 90) Hexachloroethane          | 13.959 | 117  | 159966   | 50.117   | ug/l  | 90       |
| 91) 1,2-Dichlorobenzene       | 13.739 | 146  | 368576   | 51.704   | ug/l  | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.355 | 75   | 44250    | 57.935   | ug/l  | 92       |
| 93) 1,2,4-Trichlorobenzene    | 15.007 | 180  | 240423   | 53.130   | ug/l  | 99       |
| 94) Hexachlorobutadiene       | 15.111 | 225  | 127791   | 51.389   | ug/l  | 98       |
| 95) Naphthalene               | 15.233 | 128  | 599054   | 56.822   | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.422 | 180  | 215488   | 53.581   | ug/l  | 98       |

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Quant Title : SW846 8260  
QLast Update : Fri Jul 14 02:09:50 2023  
Response via : Initial Calibration

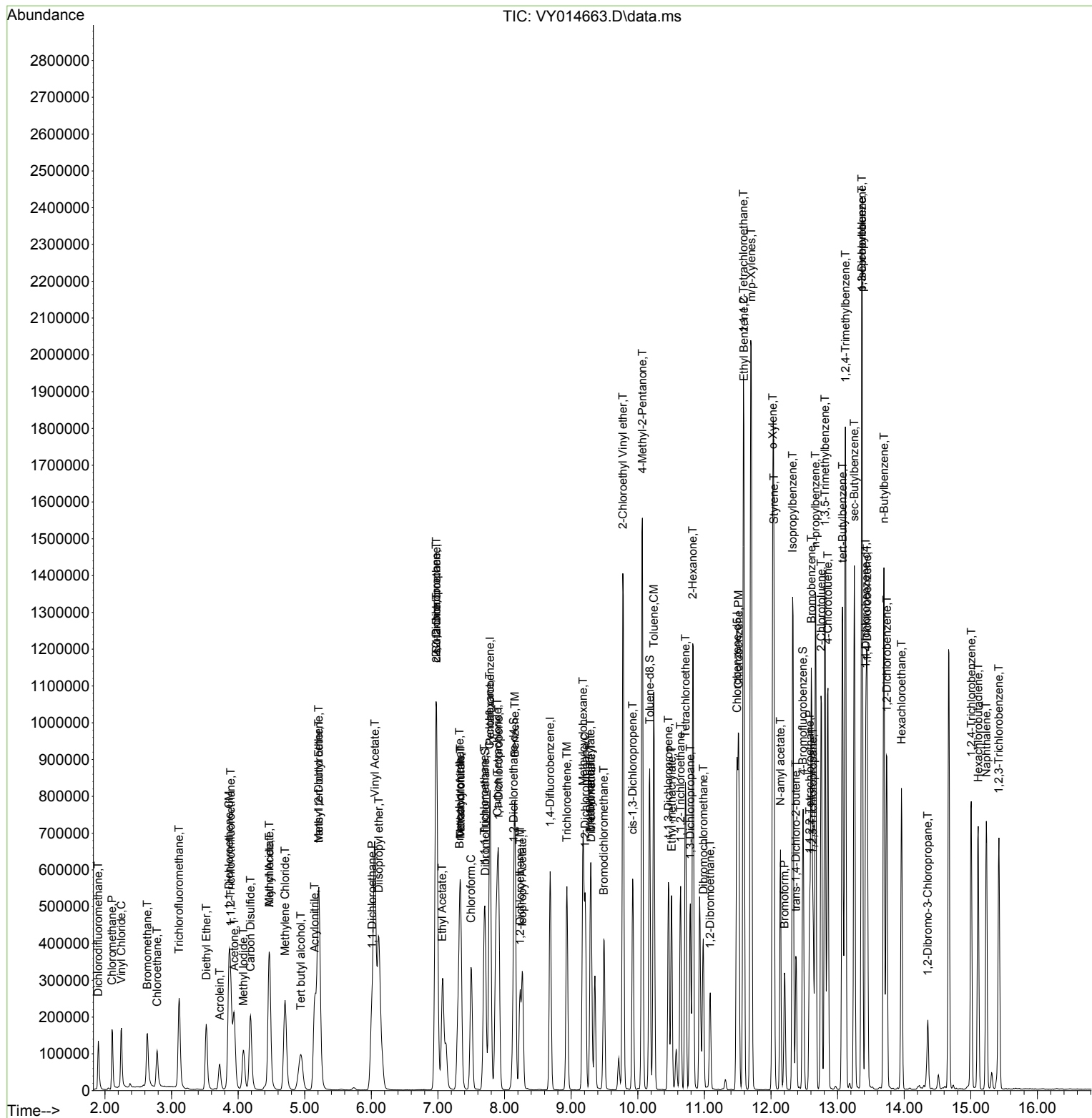
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

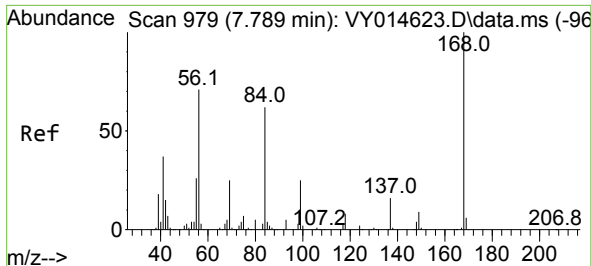
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QLast Update : Fri Jul 14 02:09:50 2023  
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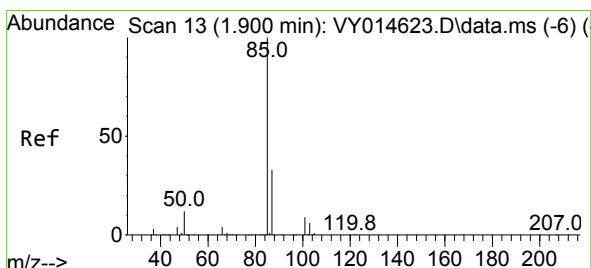
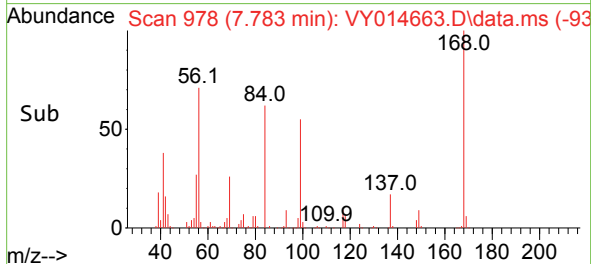
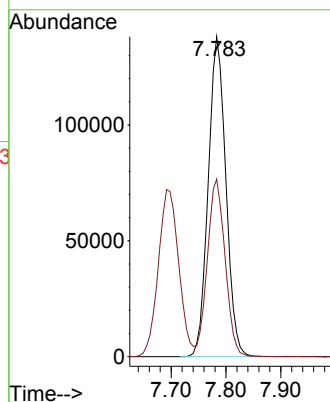
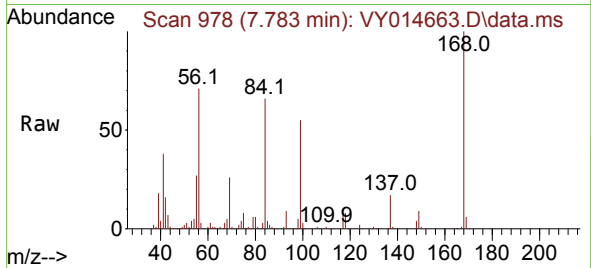




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY014663.D  
Acq: 17 Jul 2023 11:00

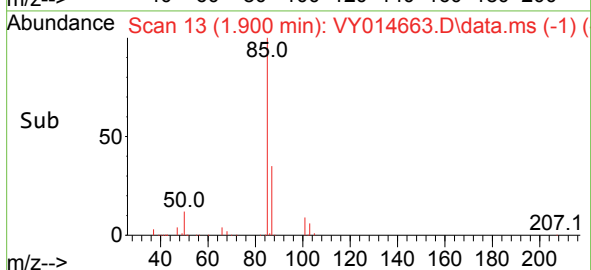
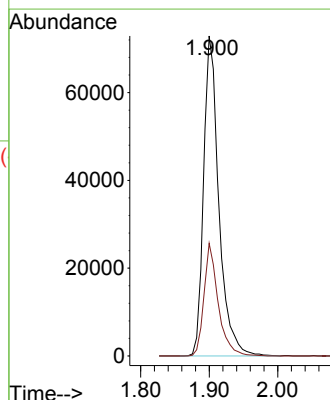
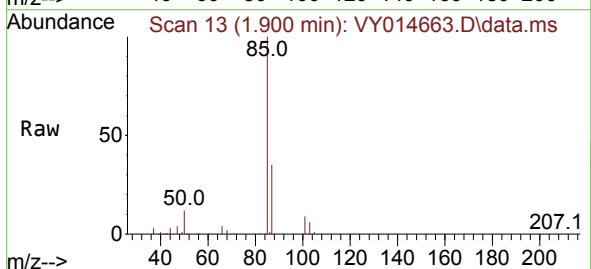
Instrument :  
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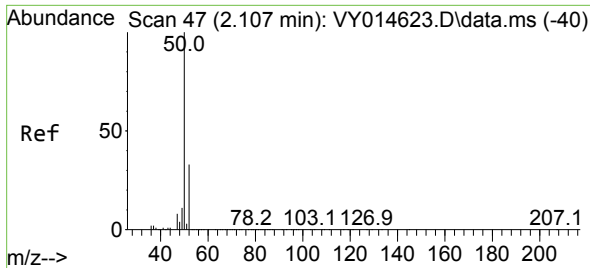
Tgt Ion:168 Resp: 307698  
Ion Ratio Lower Upper  
168 100  
99 55.4 43.4 65.0



#2  
Dichlorodifluoromethane  
Concen: 45.052 ug/l  
RT: 1.900 min Scan# 13  
Delta R.T. -0.000 min  
Lab File: VY014663.D  
Acq: 17 Jul 2023 11:00

Tgt Ion: 85 Resp: 112940  
Ion Ratio Lower Upper  
85 100  
87 35.2 15.6 46.8

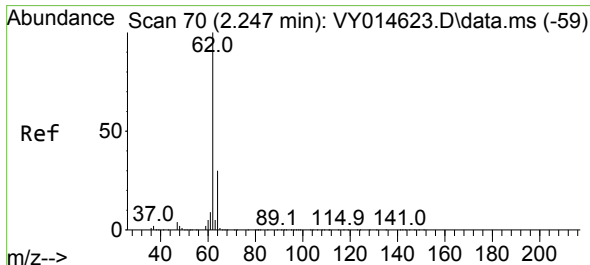
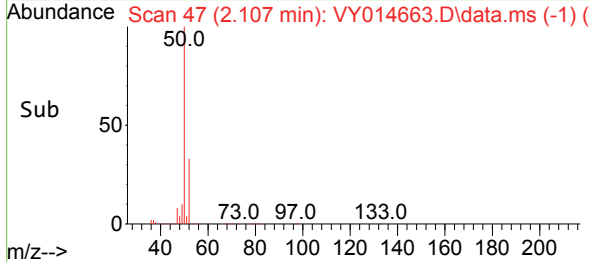
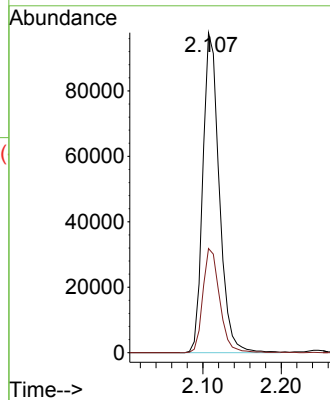
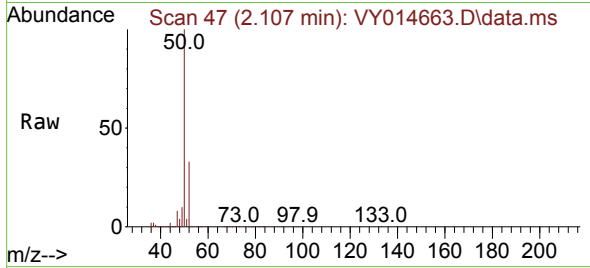




#3  
Chloromethane  
Concen: 50.429 ug/l  
RT: 2.107 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VY014663.D  
Acq: 17 Jul 2023 11:00

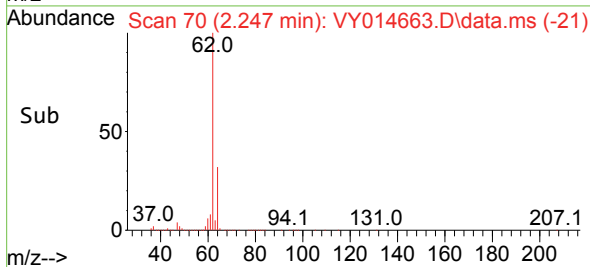
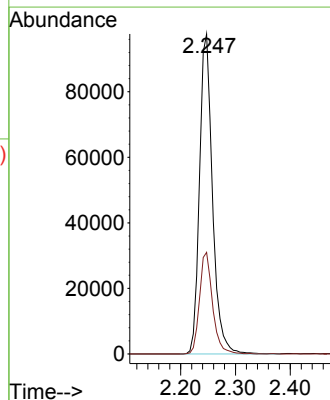
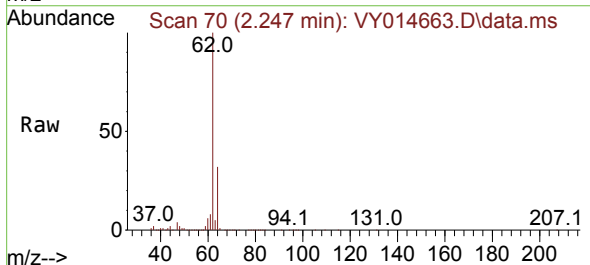
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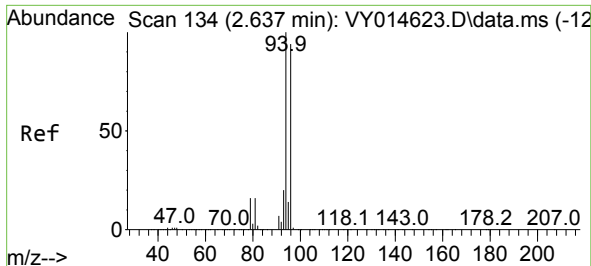
Tgt Ion: 50 Resp: 142106  
Ion Ratio Lower Upper  
50 100  
52 32.6 25.4 38.2



#4  
Vinyl Chloride  
Concen: 51.039 ug/l  
RT: 2.247 min Scan# 70  
Delta R.T. 0.000 min  
Lab File: VY014663.D  
Acq: 17 Jul 2023 11:00

Tgt Ion: 62 Resp: 160741  
Ion Ratio Lower Upper  
62 100  
64 31.8 24.3 36.5

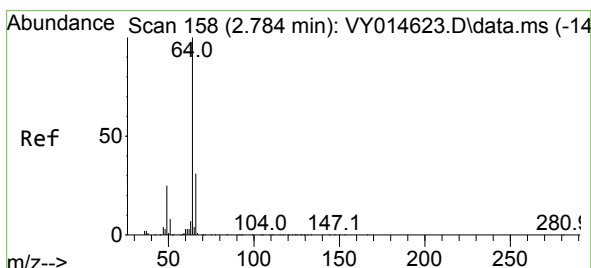
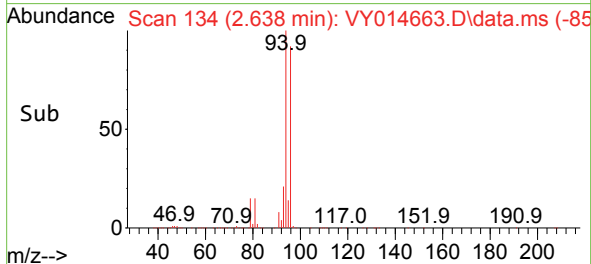
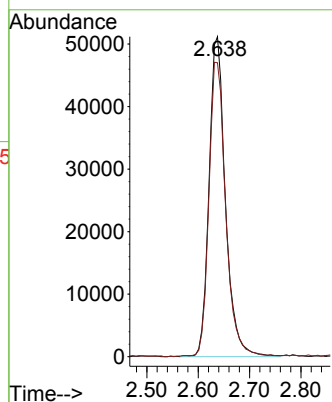
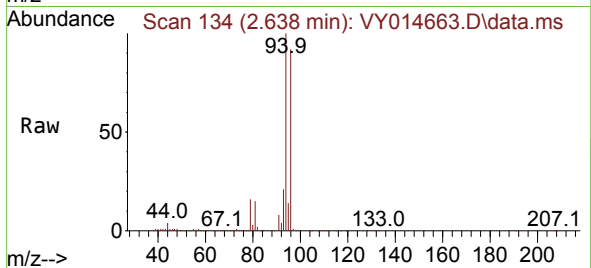




#5  
Bromomethane  
Concen: 54.404 ug/l  
RT: 2.638 min Scan# 11  
Delta R.T. 0.001 min  
Lab File: VY014663.D  
Acq: 17 Jul 2023 11:00

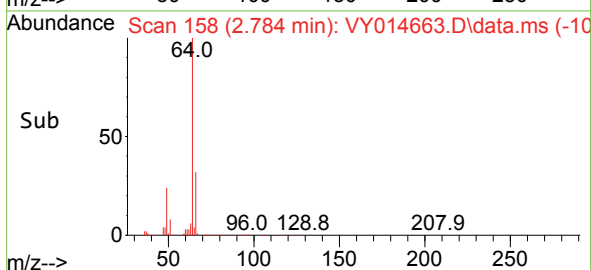
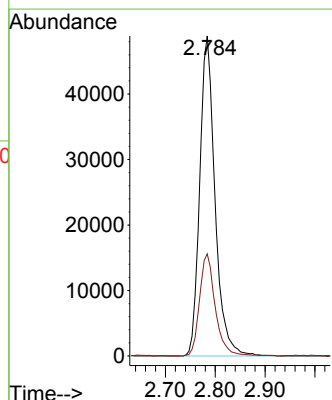
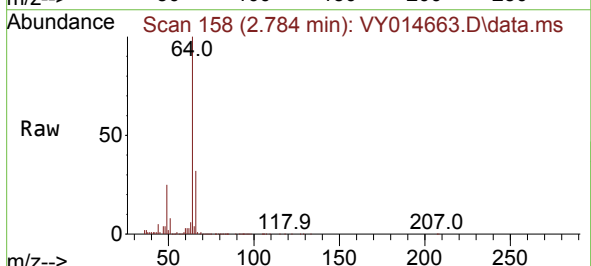
Instrument :  
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VSTDCCC050

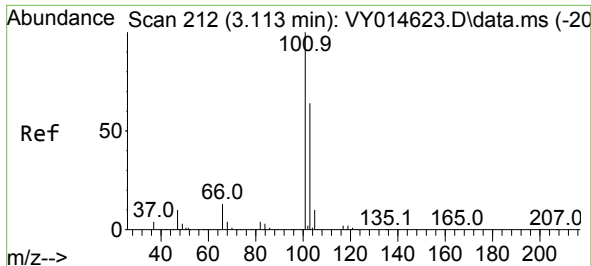
Tgt Ion: 94 Resp: 113229  
Ion Ratio Lower Upper  
94 100  
96 91.7 75.8 113.6



#6  
Chloroethane  
Concen: 52.773 ug/l  
RT: 2.784 min Scan# 158  
Delta R.T. -0.000 min  
Lab File: VY014663.D  
Acq: 17 Jul 2023 11:00

Tgt Ion: 64 Resp: 103816  
Ion Ratio Lower Upper  
64 100  
66 31.9 24.4 36.6

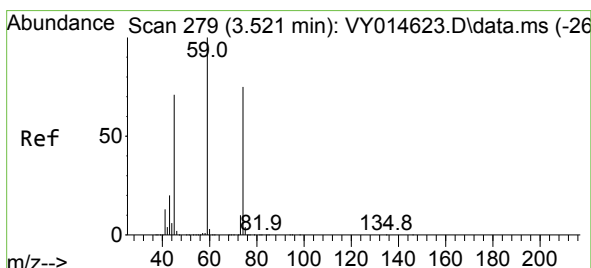
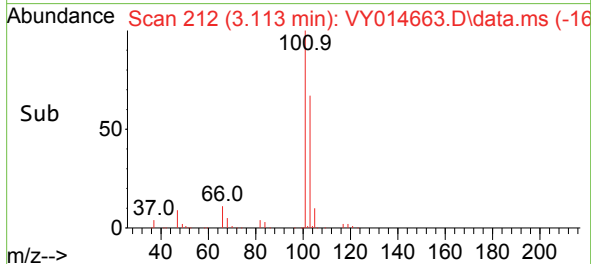
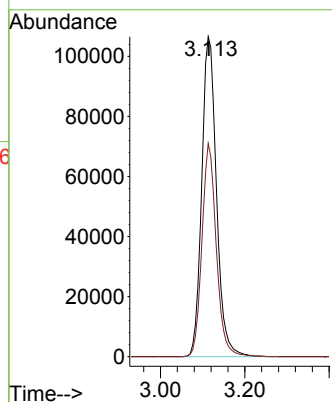
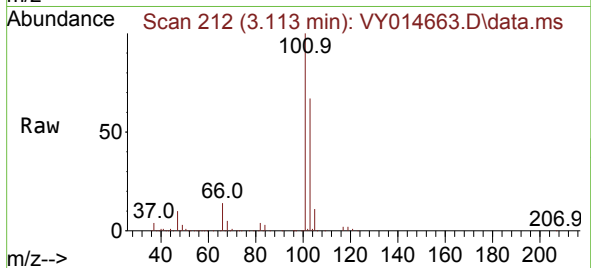




#7  
Trichlorofluoromethane  
Concen: 49.106 ug/l  
RT: 3.113 min Scan# 212  
Delta R.T. 0.000 min  
Lab File: VY014663.D  
Acq: 17 Jul 2023 11:00

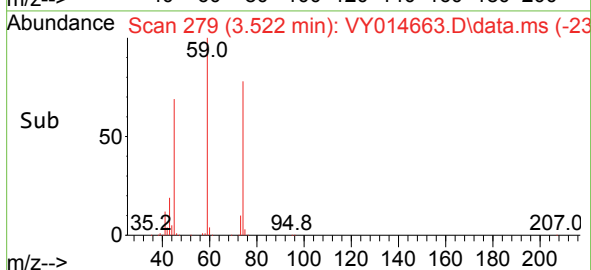
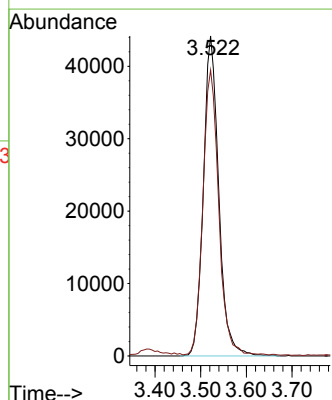
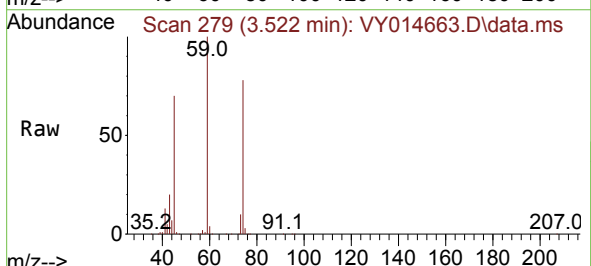
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

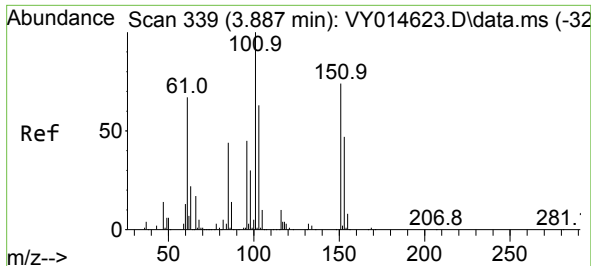
Tgt Ion:101 Resp: 259737  
Ion Ratio Lower Upper  
101 100  
103 66.6 51.4 77.0



#8  
Diethyl Ether  
Concen: 52.331 ug/l  
RT: 3.522 min Scan# 279  
Delta R.T. 0.001 min  
Lab File: VY014663.D  
Acq: 17 Jul 2023 11:00

Tgt Ion: 74 Resp: 102987  
Ion Ratio Lower Upper  
74 100  
45 91.3 51.5 154.5

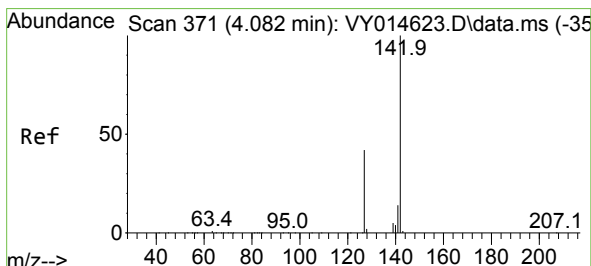
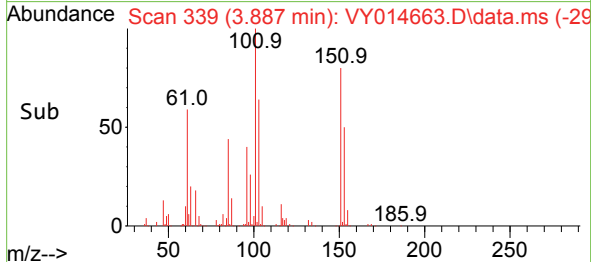
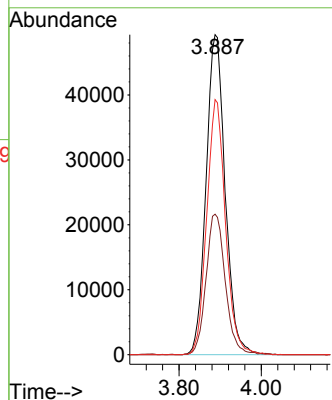
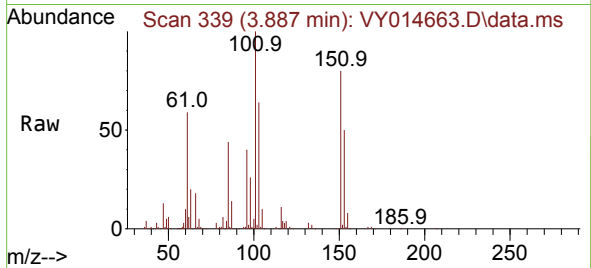




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 49.065 ug/l  
RT: 3.887 min Scan# 311  
Delta R.T. 0.000 min  
Lab File: VY014663.D  
Acq: 17 Jul 2023 11:00

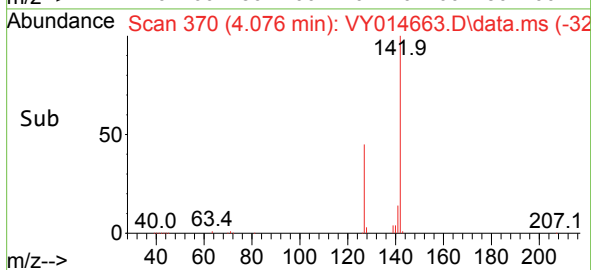
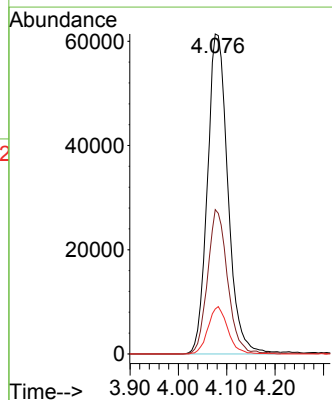
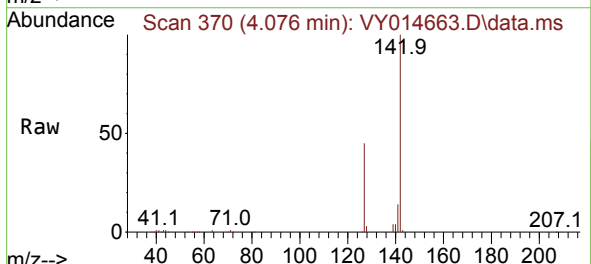
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

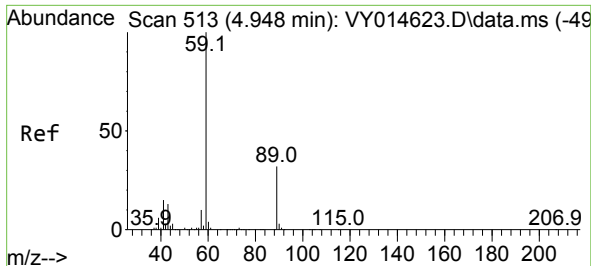
Tgt Ion:101 Resp: 159070  
Ion Ratio Lower Upper  
101 100  
85 44.3 36.6 55.0  
151 78.3 67.0 100.6



#10  
Methyl Iodide  
Concen: 52.518 ug/l  
RT: 4.076 min Scan# 370  
Delta R.T. -0.006 min  
Lab File: VY014663.D  
Acq: 17 Jul 2023 11:00

Tgt Ion:142 Resp: 180924  
Ion Ratio Lower Upper  
142 100  
127 43.9 37.6 56.4  
141 14.3 11.8 17.8

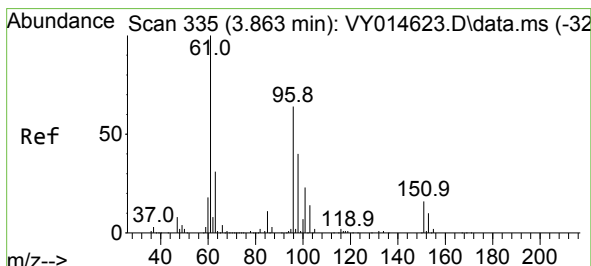
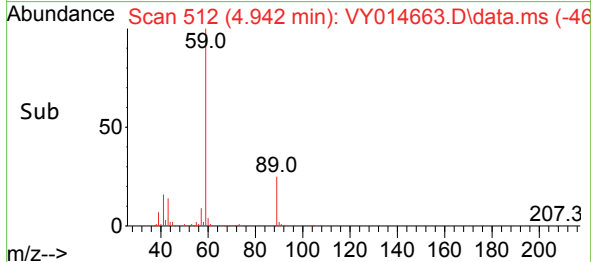
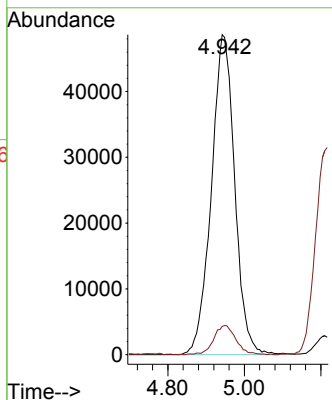
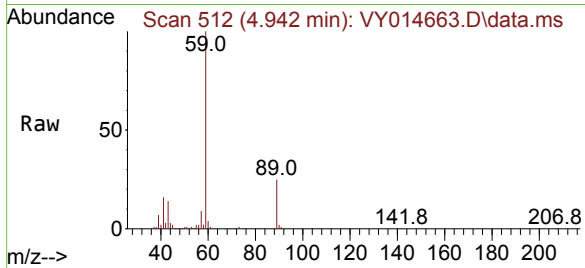




#11  
Tert butyl alcohol  
Concen: 290.485 ug/l  
RT: 4.942 min Scan# 513  
Delta R.T. -0.006 min  
Lab File: VY014663.D  
Acq: 17 Jul 2023 11:00

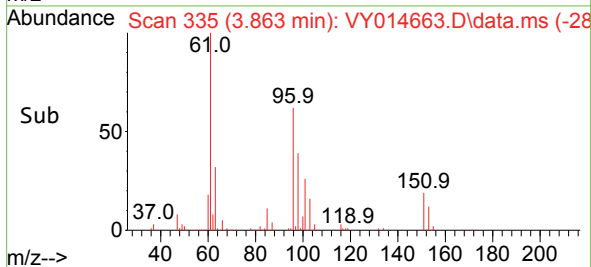
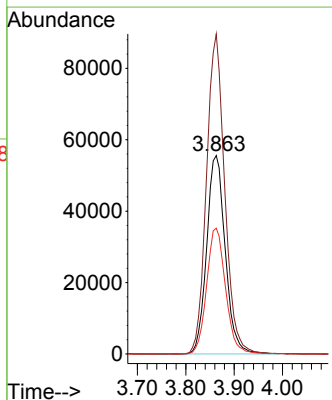
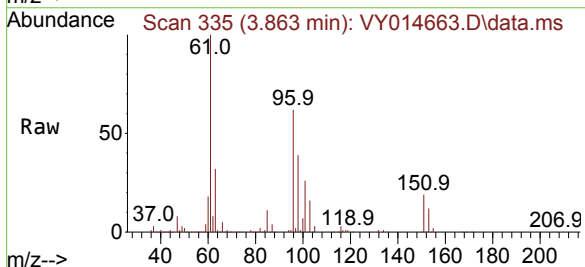
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

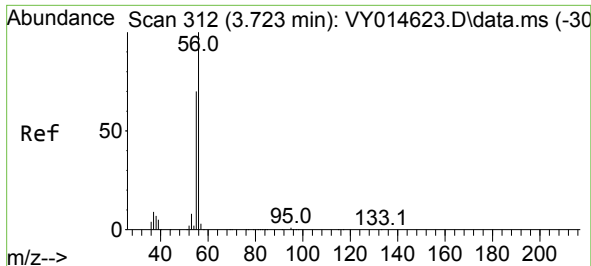
Tgt Ion: 59 Resp: 206224  
Ion Ratio Lower Upper  
59 100  
57 8.7 3.0 4.4#



#12  
1,1-Dichloroethene  
Concen: 49.029 ug/l  
RT: 3.863 min Scan# 335  
Delta R.T. -0.000 min  
Lab File: VY014663.D  
Acq: 17 Jul 2023 11:00

Tgt Ion: 96 Resp: 148560  
Ion Ratio Lower Upper  
96 100  
61 161.3 136.4 204.6  
98 63.4 49.4 74.2

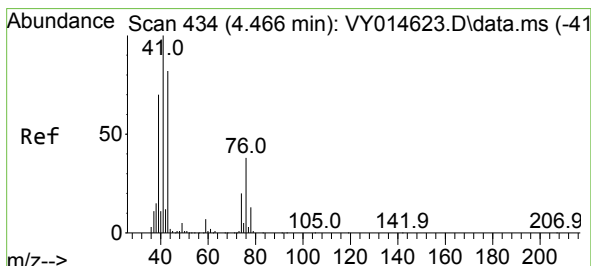
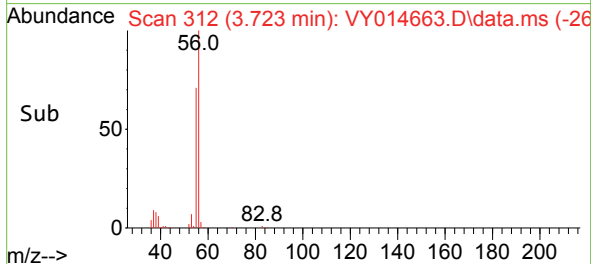
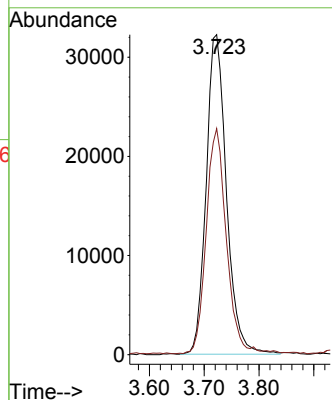
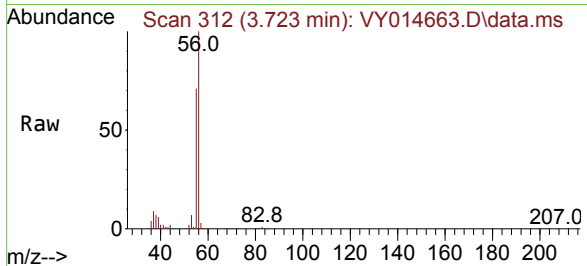




#13  
Acrolein  
Concen: 225.501 ug/l  
RT: 3.723 min Scan# 312  
Delta R.T. -0.000 min  
Lab File: VY014663.D  
Acq: 17 Jul 2023 11:00

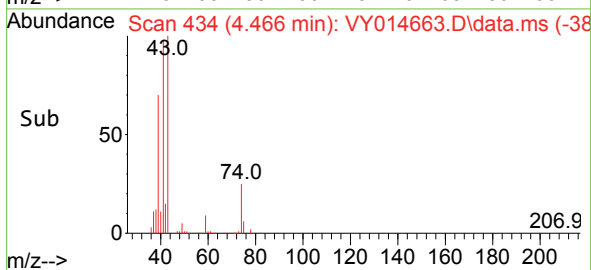
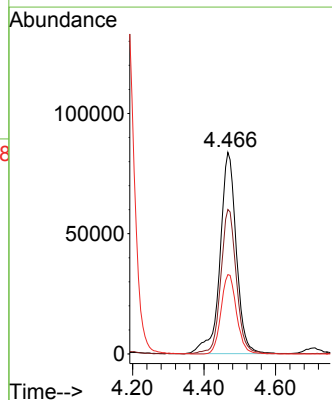
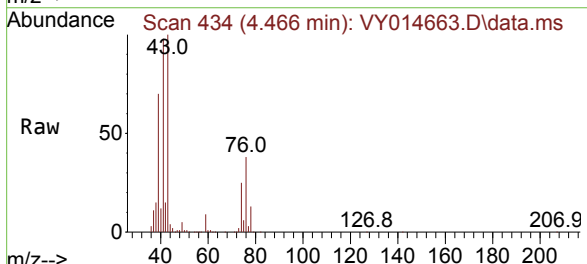
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

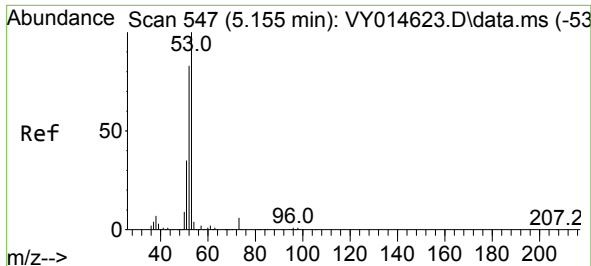
Tgt Ion: 56 Resp: 82642  
Ion Ratio Lower Upper  
56 100  
55 69.7 57.0 85.4



#14  
Allyl chloride  
Concen: 49.195 ug/l  
RT: 4.466 min Scan# 434  
Delta R.T. 0.000 min  
Lab File: VY014663.D  
Acq: 17 Jul 2023 11:00

Tgt Ion: 41 Resp: 264667  
Ion Ratio Lower Upper  
41 100  
39 68.8 58.0 87.0  
76 37.6 27.4 41.2

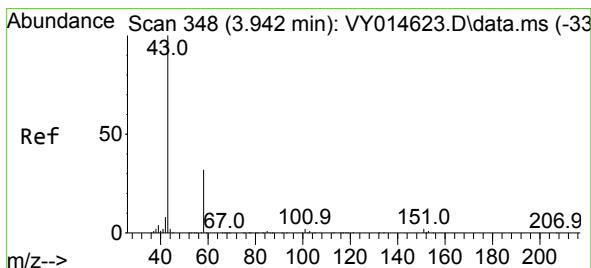
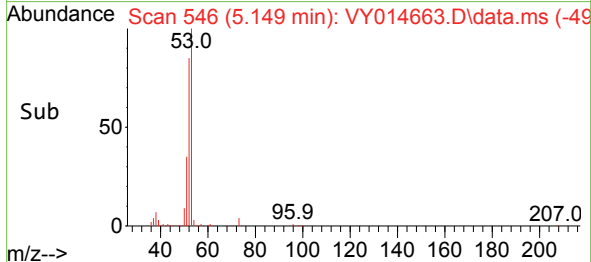
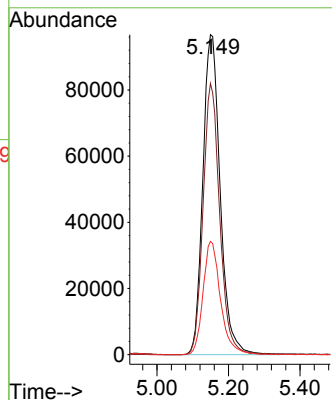
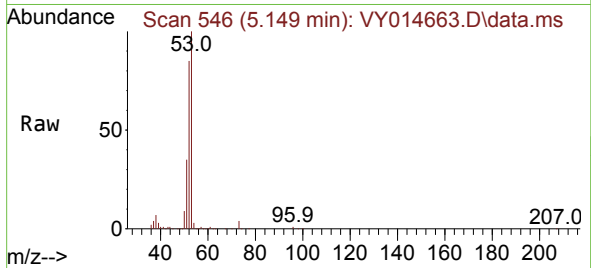




#15  
Acrylonitrile  
Concen: 300.999 ug/l  
RT: 5.149 min Scan# 54  
Delta R.T. -0.006 min  
Lab File: VY014663.D  
Acq: 17 Jul 2023 11:00

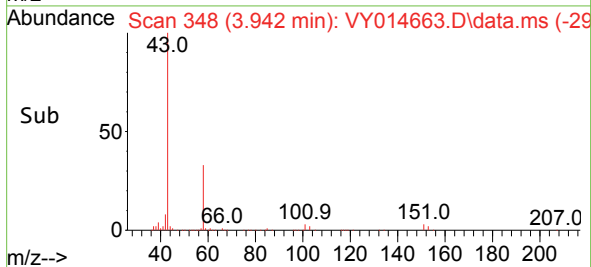
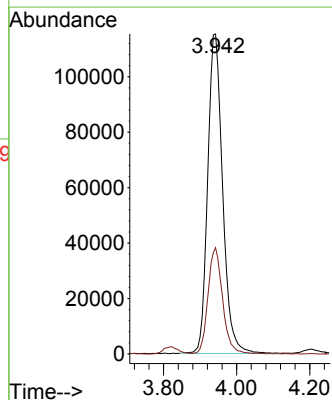
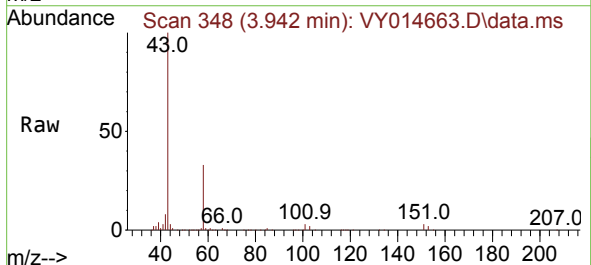
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

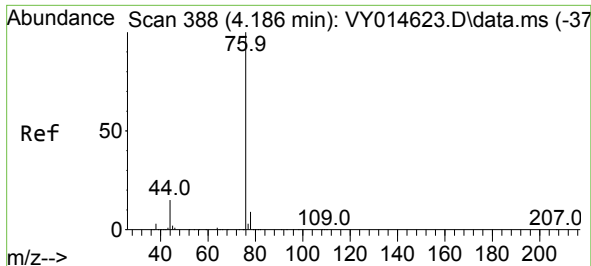
Tgt Ion: 53 Resp: 326653  
Ion Ratio Lower Upper  
53 100  
52 81.0 66.9 100.3  
51 35.6 29.8 44.6



#16  
Acetone  
Concen: 293.080 ug/l  
RT: 3.942 min Scan# 348  
Delta R.T. 0.000 min  
Lab File: VY014663.D  
Acq: 17 Jul 2023 11:00

Tgt Ion: 43 Resp: 325646  
Ion Ratio Lower Upper  
43 100  
58 33.2 22.7 34.1

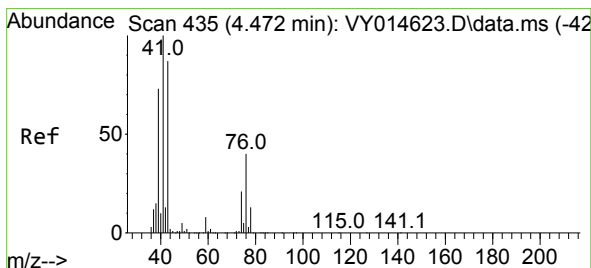
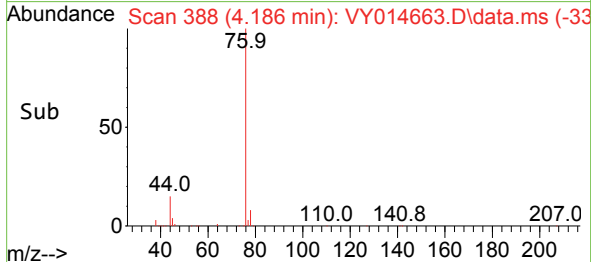
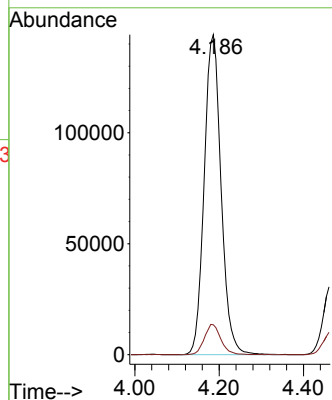
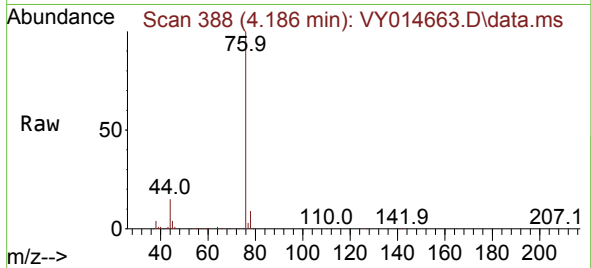




#17  
Carbon Disulfide  
Concen: 46.371 ug/l  
RT: 4.186 min Scan# 388  
Delta R.T. 0.000 min  
Lab File: VY014663.D  
Acq: 17 Jul 2023 11:00

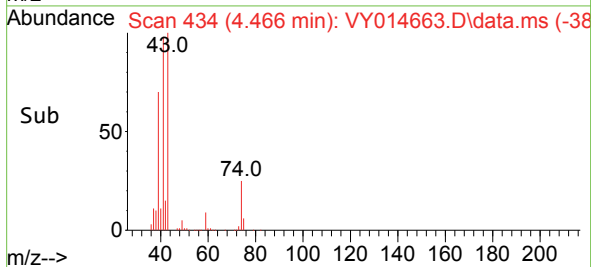
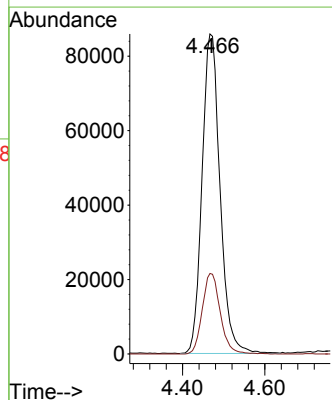
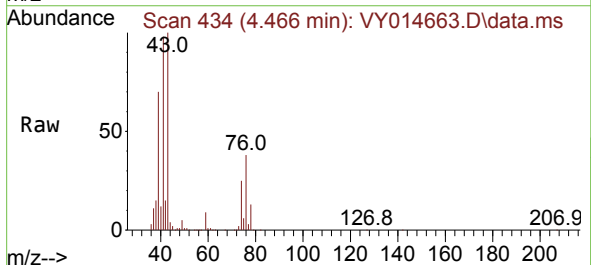
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

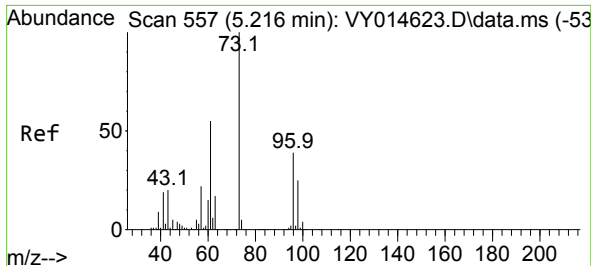
Tgt Ion: 76 Resp: 402266  
Ion Ratio Lower Upper  
76 100  
78 9.3 7.0 10.4



#18  
Methyl Acetate  
Concen: 61.180 ug/l  
RT: 4.466 min Scan# 434  
Delta R.T. -0.006 min  
Lab File: VY014663.D  
Acq: 17 Jul 2023 11:00

Tgt Ion: 43 Resp: 260867  
Ion Ratio Lower Upper  
43 100  
74 25.1 17.4 26.0

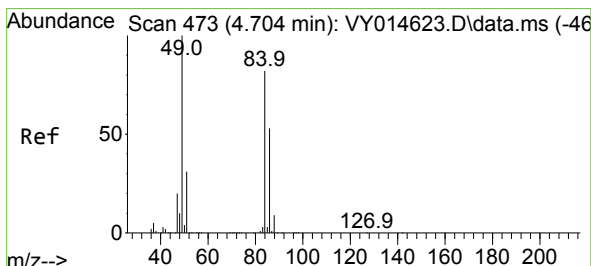
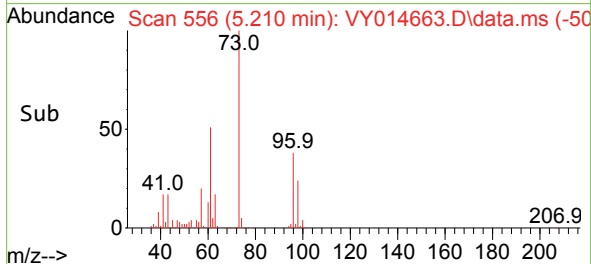
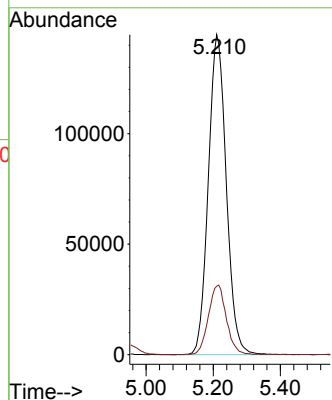
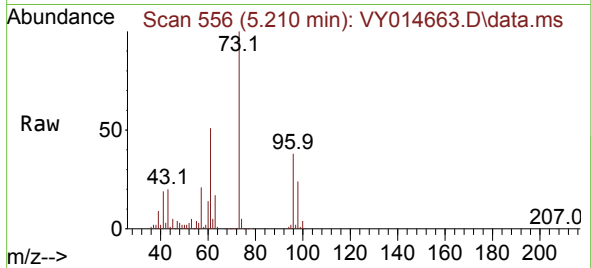




#19  
Methyl tert-butyl Ether  
Concen: 54.572 ug/l  
RT: 5.210 min Scan# 51  
Delta R.T. -0.006 min  
Lab File: VY014663.D  
Acq: 17 Jul 2023 11:00

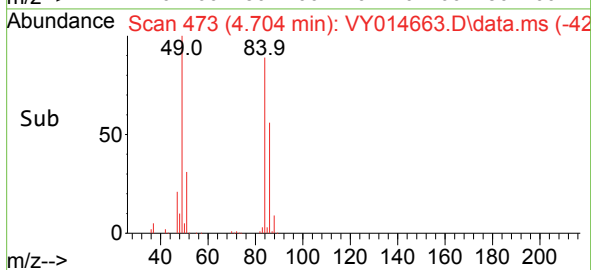
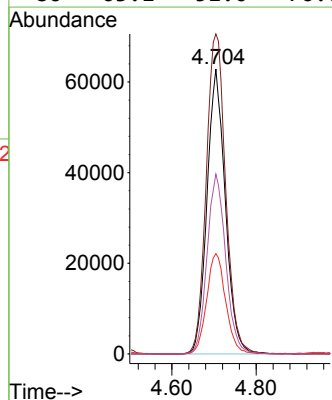
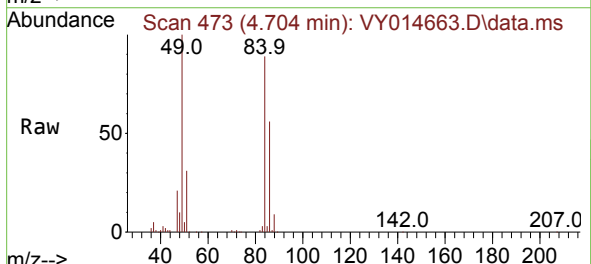
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

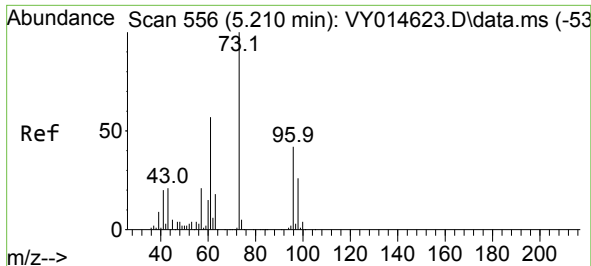
Tgt Ion: 73 Resp: 537134  
Ion Ratio Lower Upper  
73 100  
57 21.3 17.3 25.9



#20  
Methylene Chloride  
Concen: 52.933 ug/l  
RT: 4.704 min Scan# 473  
Delta R.T. 0.000 min  
Lab File: VY014663.D  
Acq: 17 Jul 2023 11:00

Tgt Ion: 84 Resp: 190171  
Ion Ratio Lower Upper  
84 100  
49 112.3 106.9 160.3  
51 35.2 33.2 49.8  
86 63.1 51.0 76.6

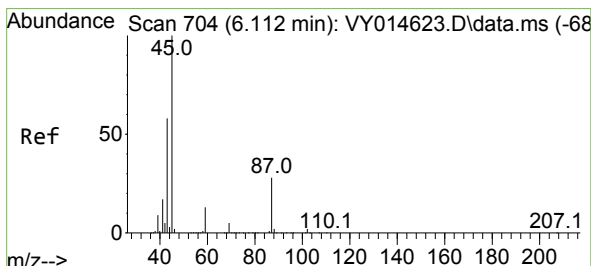
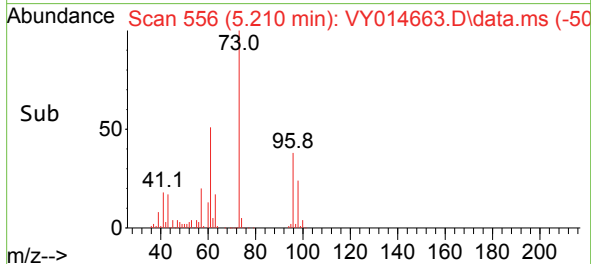
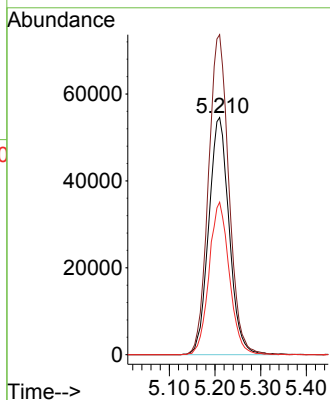
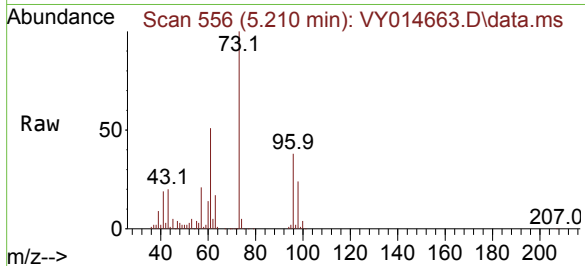




#21  
trans-1,2-Dichloroethene  
Concen: 49.357 ug/l  
RT: 5.210 min Scan# 511  
Delta R.T. 0.000 min  
Lab File: VY014663.D  
Acq: 17 Jul 2023 11:00

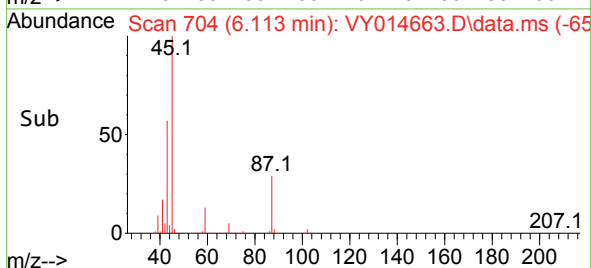
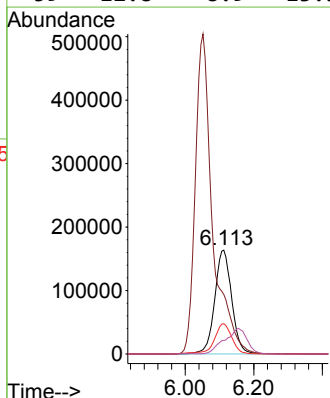
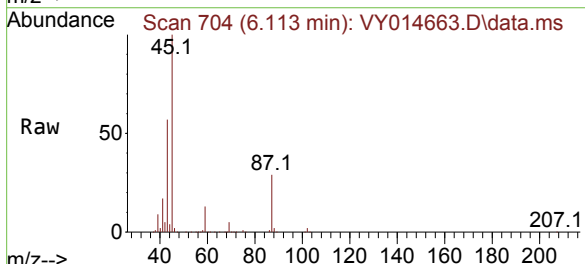
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

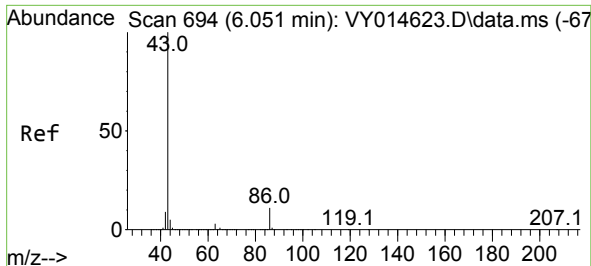
Tgt Ion: 96 Resp: 169721  
Ion Ratio Lower Upper  
96 100  
61 134.9 110.2 165.4  
98 64.3 51.8 77.6



#22  
Diisopropyl ether  
Concen: 51.271 ug/l  
RT: 6.113 min Scan# 704  
Delta R.T. 0.001 min  
Lab File: VY014663.D  
Acq: 17 Jul 2023 11:00

Tgt Ion: 45 Resp: 560807  
Ion Ratio Lower Upper  
45 100  
43 57.3 52.2 78.4  
87 29.1 21.0 31.6  
59 12.8 8.9 13.3

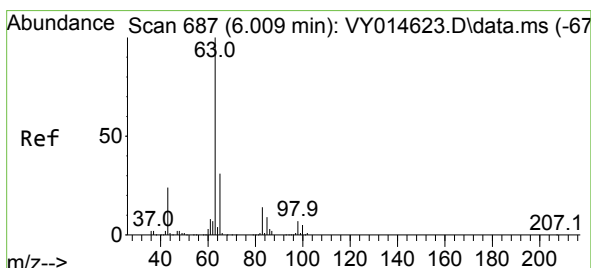
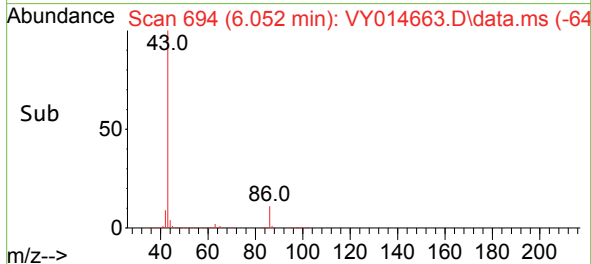
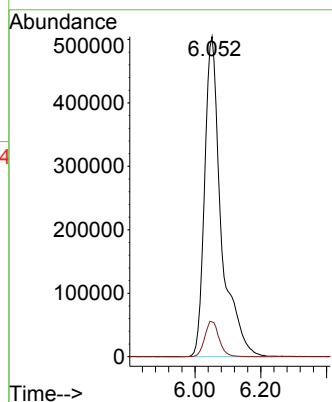
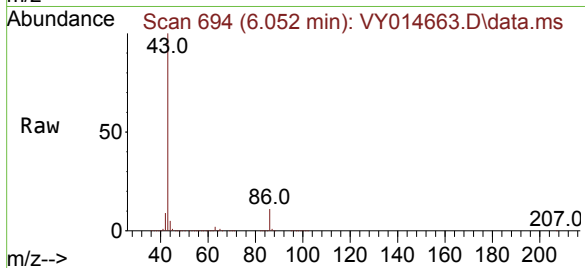




#23  
 Vinyl Acetate  
 Concen: 270.135 ug/l  
 RT: 6.052 min Scan# 694  
 Delta R.T. 0.001 min  
 Lab File: VY014663.D  
 Acq: 17 Jul 2023 11:00

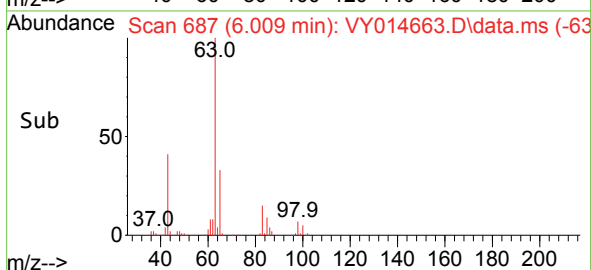
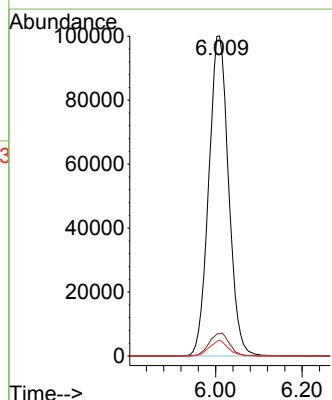
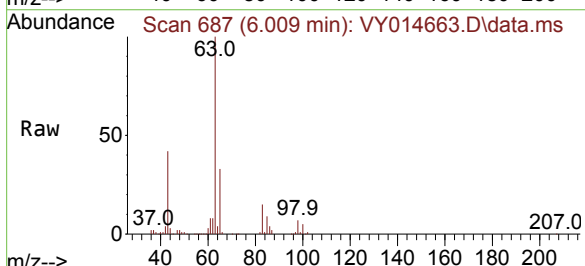
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

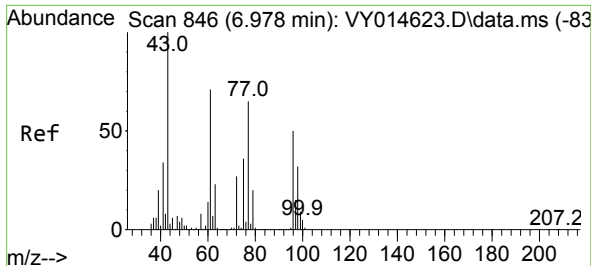
Tgt Ion: 43 Resp: 1768210  
 Ion Ratio Lower Upper  
 43 100  
 86 10.9 7.5 11.3



#24  
 1,1-Dichloroethane  
 Concen: 50.820 ug/l  
 RT: 6.009 min Scan# 687  
 Delta R.T. -0.000 min  
 Lab File: VY014663.D  
 Acq: 17 Jul 2023 11:00

Tgt Ion: 63 Resp: 318064  
 Ion Ratio Lower Upper  
 63 100  
 98 7.0 3.1 9.4  
 100 4.9 1.8 5.5

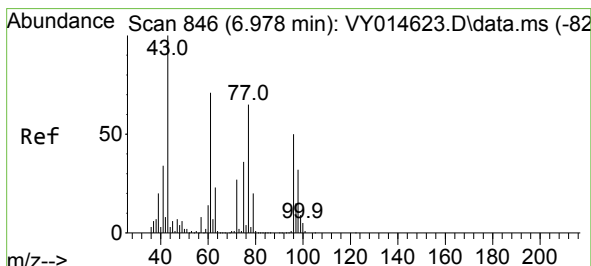
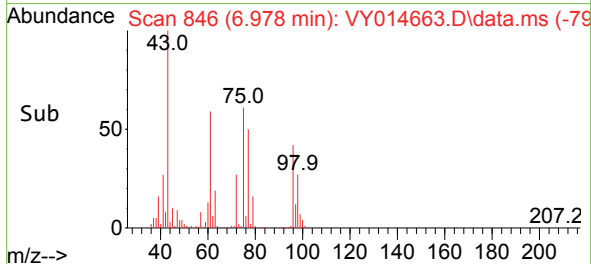
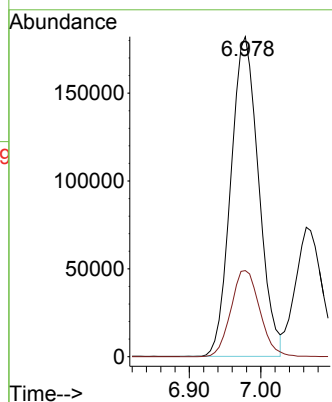
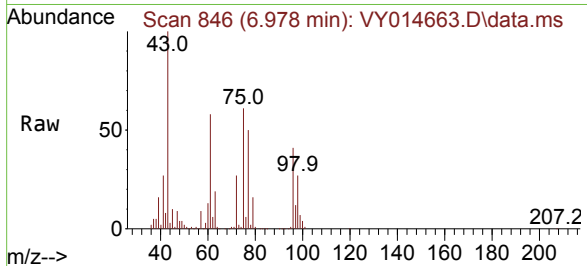




#25  
2-Butanone  
Concen: 302.286 ug/l  
RT: 6.978 min Scan# 846  
Delta R.T. 0.000 min  
Lab File: VY014663.D  
Acq: 17 Jul 2023 11:00

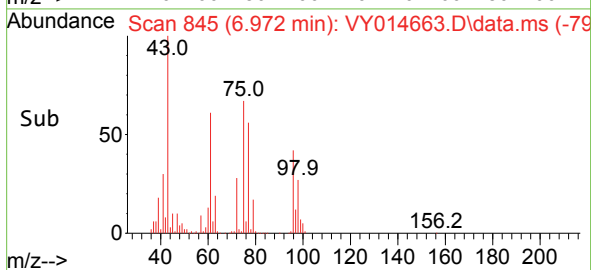
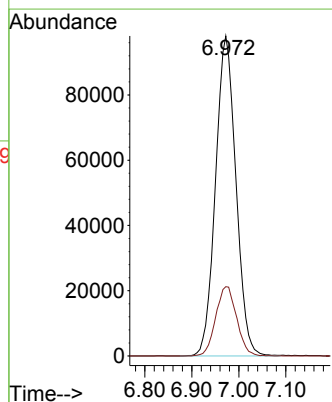
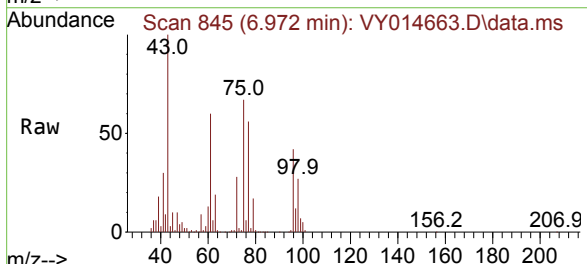
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

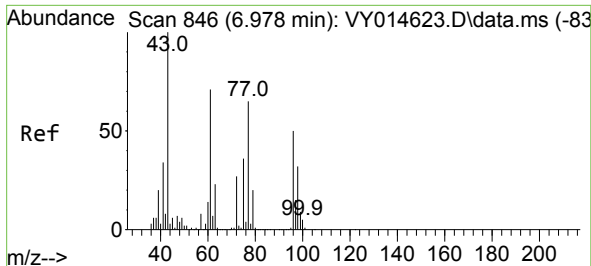
Tgt Ion: 43 Resp: 491382  
Ion Ratio Lower Upper  
43 100  
72 26.9 20.5 30.7



#26  
2,2-Dichloropropane  
Concen: 49.588 ug/l  
RT: 6.972 min Scan# 845  
Delta R.T. -0.006 min  
Lab File: VY014663.D  
Acq: 17 Jul 2023 11:00

Tgt Ion: 77 Resp: 295779  
Ion Ratio Lower Upper  
77 100  
97 22.2 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 51.789 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.000 min

Lab File: VY014663.D

Acq: 17 Jul 2023 11:00

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

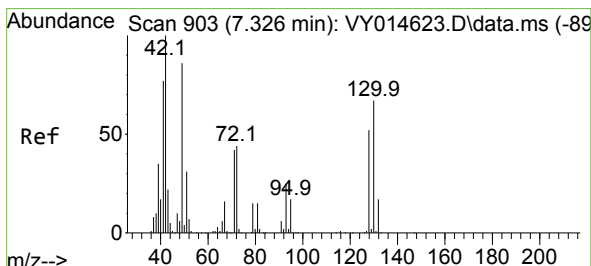
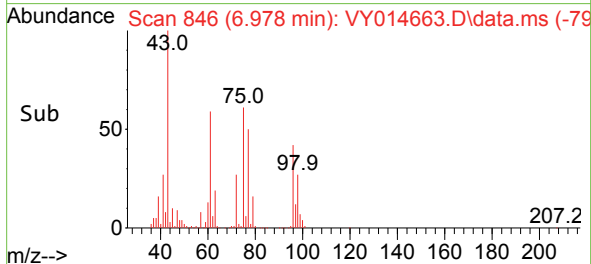
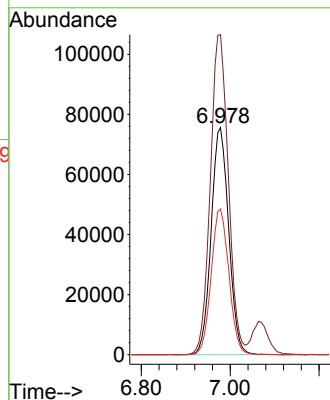
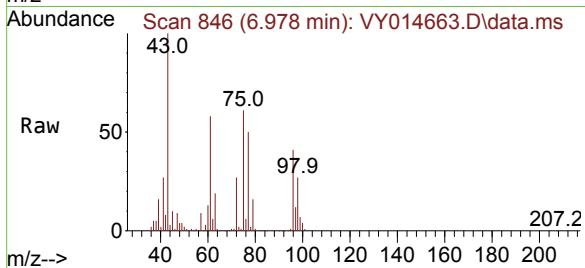
Tgt Ion: 96 Resp: 207286

Ion Ratio Lower Upper

96 100

61 144.6 0.0 301.4

98 64.9 0.0 130.4



#28

Bromochloromethane

Concen: 51.284 ug/l

RT: 7.326 min Scan# 903

Delta R.T. -0.000 min

Lab File: VY014663.D

Acq: 17 Jul 2023 11:00

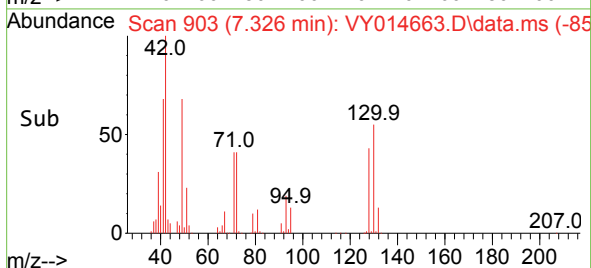
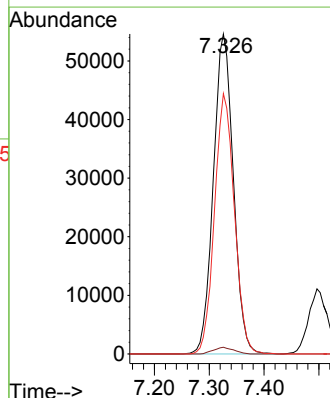
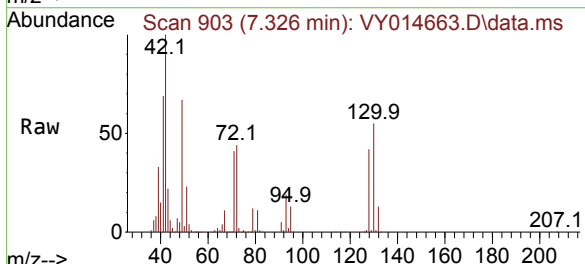
Tgt Ion: 49 Resp: 138233

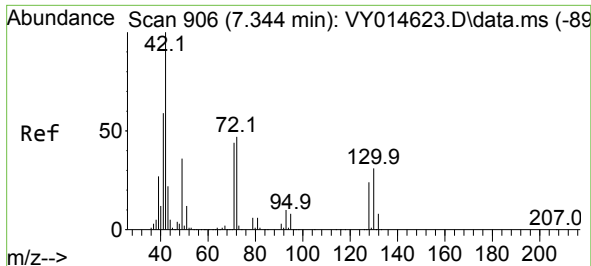
Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.6

130 80.9 60.7 91.1





#29

Tetrahydrofuran

Concen: 303.847 ug/l

RT: 7.338 min Scan# 905

Delta R.T. -0.006 min

Lab File: VY014663.D

Acq: 17 Jul 2023 11:00

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

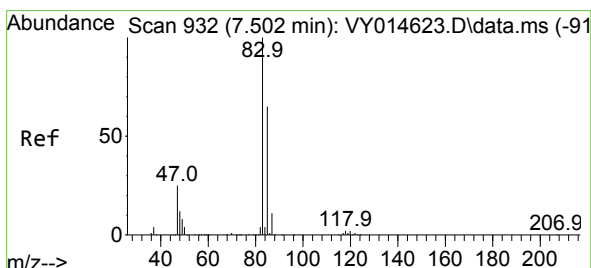
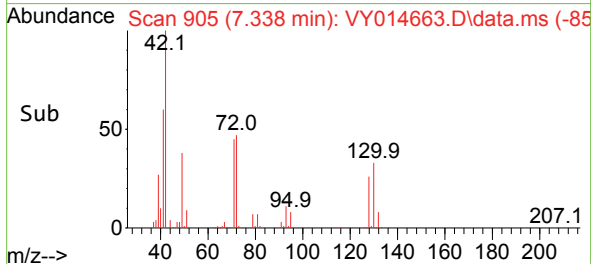
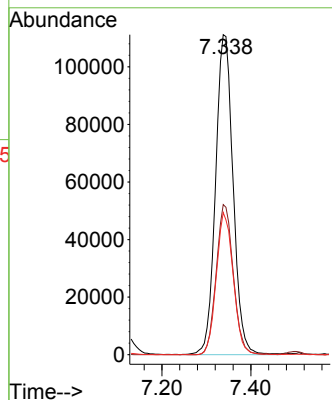
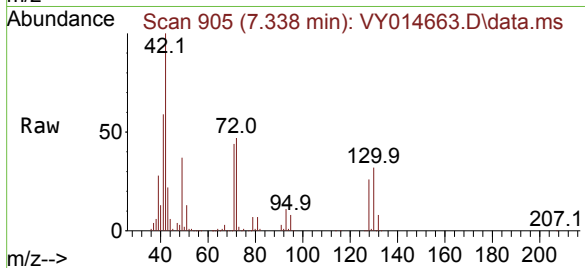
Tgt Ion: 42 Resp: 304133

Ion Ratio Lower Upper

42 100

72 45.7 32.8 49.2

71 42.9 31.0 46.4



#30

Chloroform

Concen: 51.429 ug/l

RT: 7.496 min Scan# 931

Delta R.T. -0.006 min

Lab File: VY014663.D

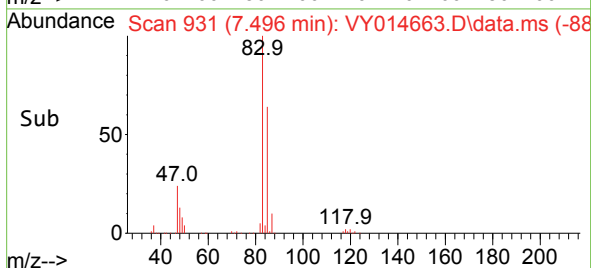
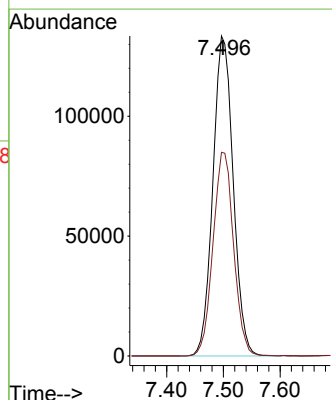
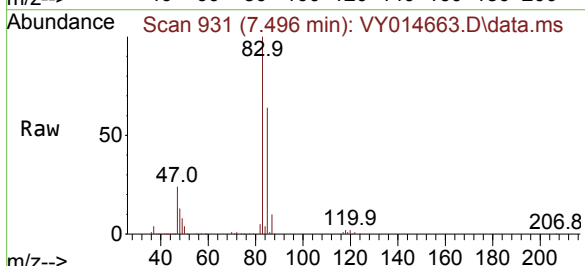
Acq: 17 Jul 2023 11:00

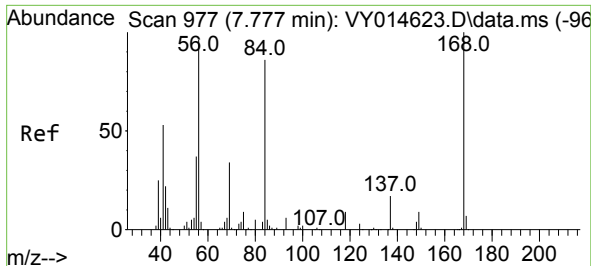
Tgt Ion: 83 Resp: 331918

Ion Ratio Lower Upper

83 100

85 63.6 49.7 74.5

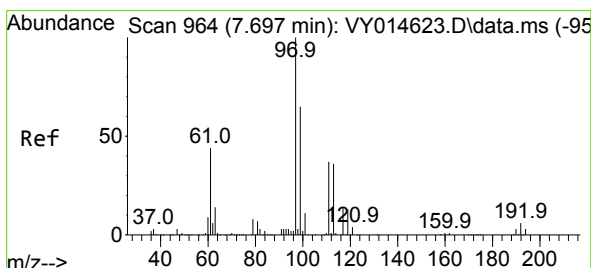
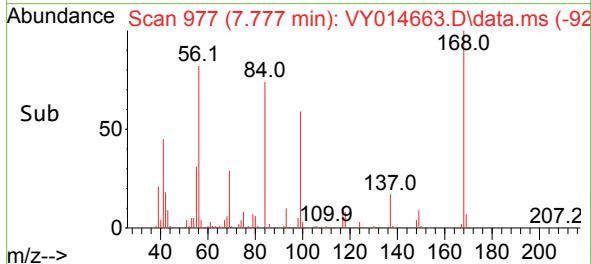
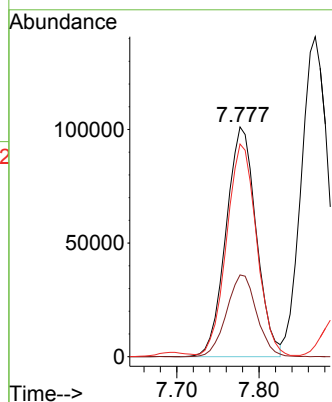
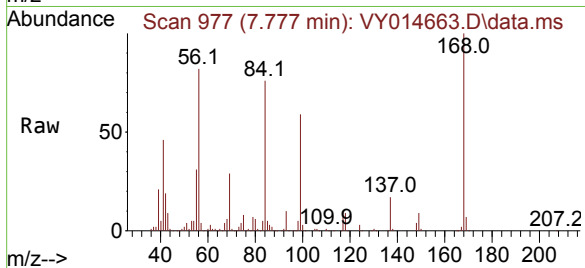




#31  
Cyclohexane  
Concen: 44.399 ug/l  
RT: 7.777 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY014663.D  
Acq: 17 Jul 2023 11:00

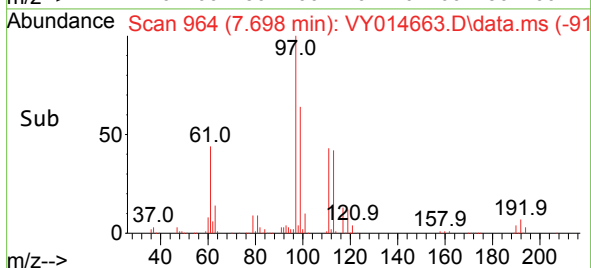
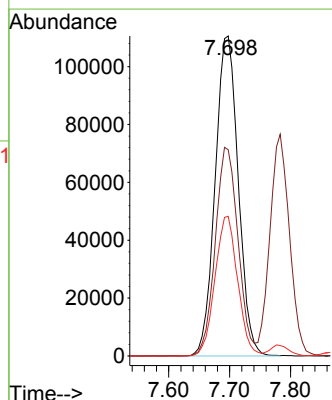
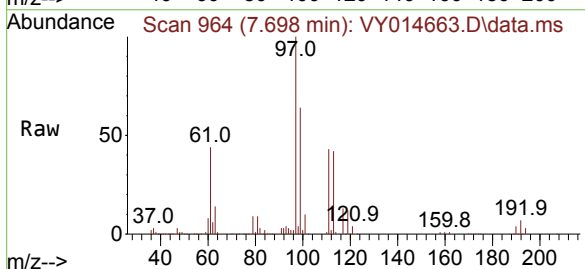
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

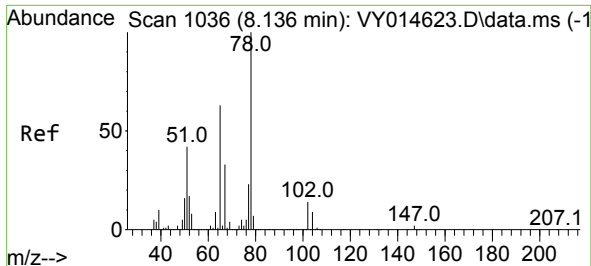
Tgt Ion: 56 Resp: 258426  
Ion Ratio Lower Upper  
56 100  
69 35.5 27.8 41.6  
84 91.0 66.4 99.6



#32  
1,1,1-Trichloroethane  
Concen: 50.085 ug/l  
RT: 7.698 min Scan# 964  
Delta R.T. 0.001 min  
Lab File: VY014663.D  
Acq: 17 Jul 2023 11:00

Tgt Ion: 97 Resp: 290926  
Ion Ratio Lower Upper  
97 100  
99 64.2 50.8 76.2  
61 42.9 35.1 52.7

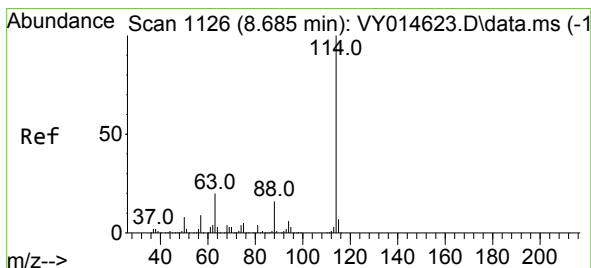
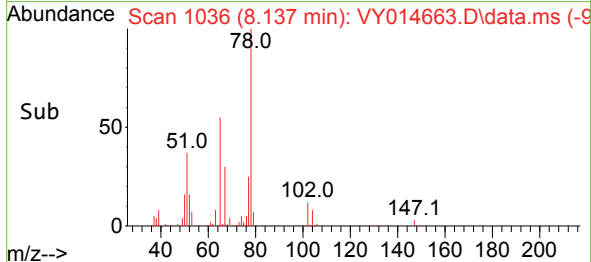
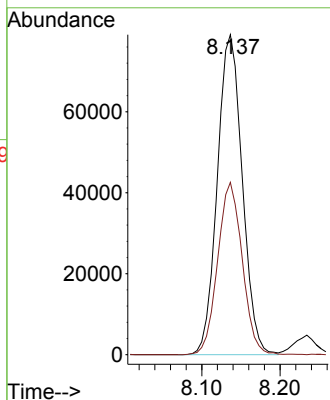
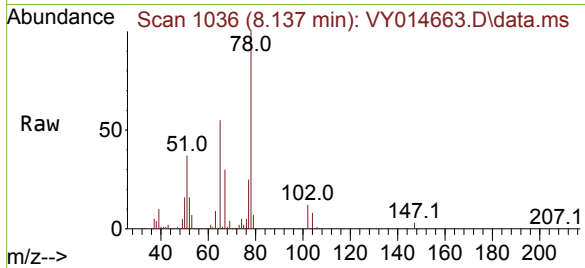




#33  
 1,2-Dichloroethane-d4  
 Concen: 49.950 ug/l  
 RT: 8.137 min Scan# 1036  
 Delta R.T. 0.001 min  
 Lab File: VY014663.D  
 Acq: 17 Jul 2023 11:00

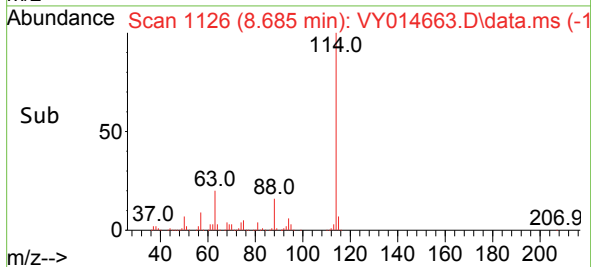
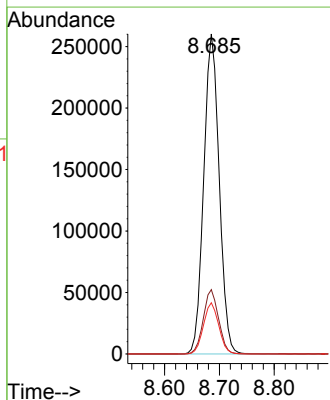
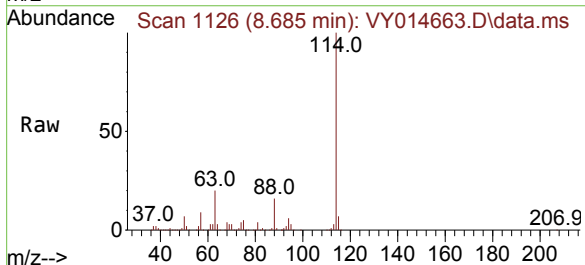
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

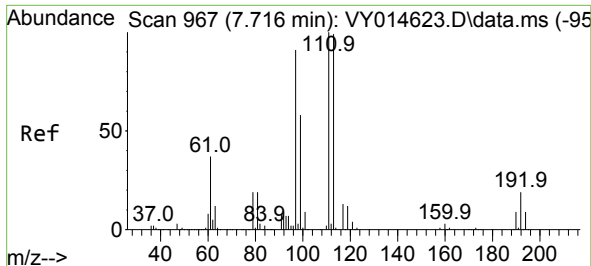
Tgt Ion: 65 Resp: 175142  
 Ion Ratio Lower Upper  
 65 100  
 67 53.0 0.0 101.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.685 min Scan# 1126  
 Delta R.T. 0.000 min  
 Lab File: VY014663.D  
 Acq: 17 Jul 2023 11:00

Tgt Ion:114 Resp: 507929  
 Ion Ratio Lower Upper  
 114 100  
 63 20.1 0.0 42.4  
 88 16.0 0.0 30.6

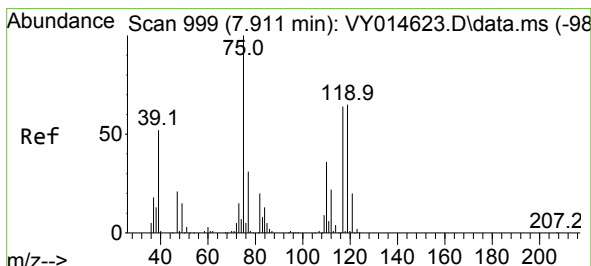
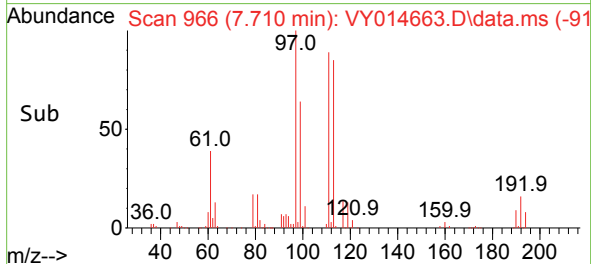
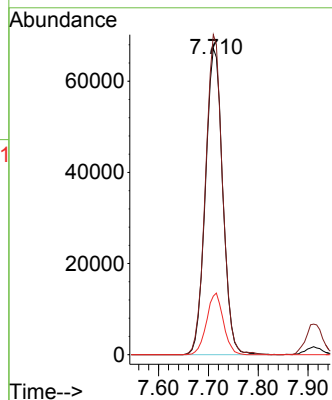
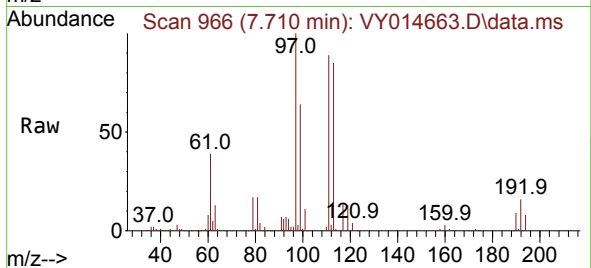




#35  
Dibromofluoromethane  
Concen: 49.991 ug/l  
RT: 7.710 min Scan# 911  
Delta R.T. -0.006 min  
Lab File: VY014663.D  
Acq: 17 Jul 2023 11:00

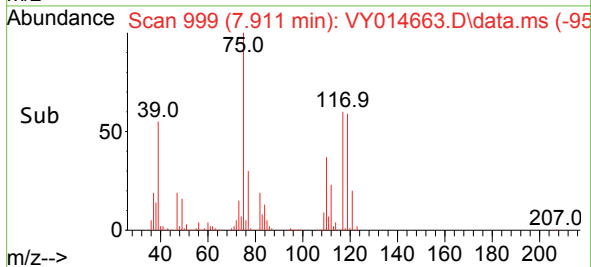
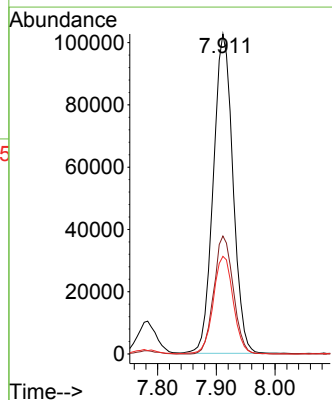
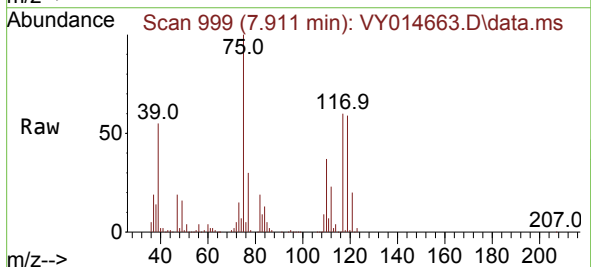
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

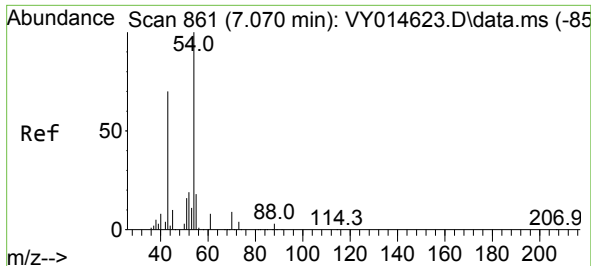
Tgt Ion:113 Resp: 161637  
Ion Ratio Lower Upper  
113 100  
111 102.7 81.3 121.9  
192 19.6 16.9 25.3



#36  
1,1-Dichloropropene  
Concen: 49.224 ug/l  
RT: 7.911 min Scan# 999  
Delta R.T. -0.000 min  
Lab File: VY014663.D  
Acq: 17 Jul 2023 11:00

Tgt Ion: 75 Resp: 238015  
Ion Ratio Lower Upper  
75 100  
110 36.5 17.8 53.5  
77 31.0 24.4 36.6





#37

Ethyl Acetate

Concen: 58.767 ug/l

RT: 7.064 min Scan# 8

Delta R.T. -0.006 min

Lab File: VY014663.D

Acq: 17 Jul 2023 11:00

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

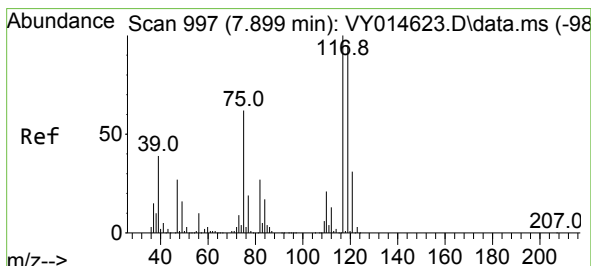
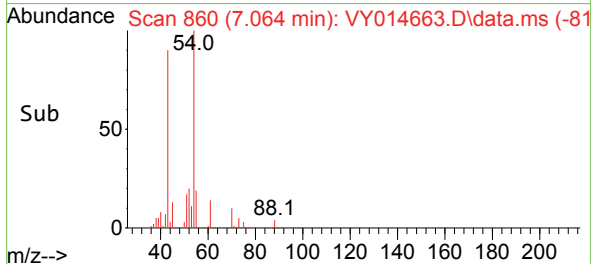
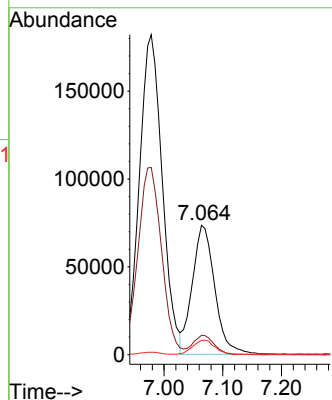
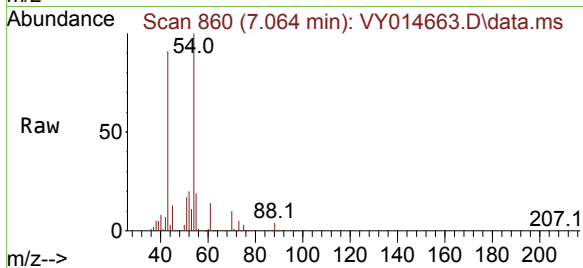
Tgt Ion: 43 Resp: 195643

Ion Ratio Lower Upper

43 100

61 14.5 10.1 15.1

70 11.2 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 50.698 ug/l

RT: 7.893 min Scan# 996

Delta R.T. -0.006 min

Lab File: VY014663.D

Acq: 17 Jul 2023 11:00

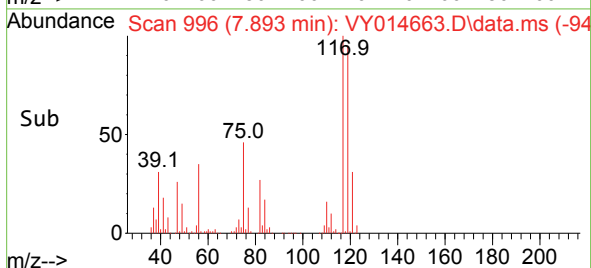
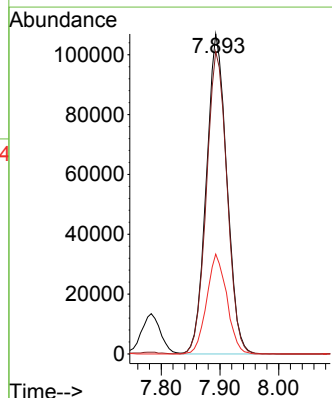
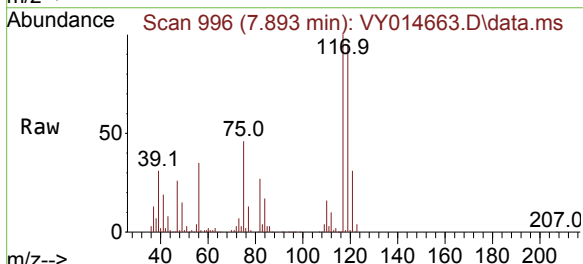
Tgt Ion: 117 Resp: 259136

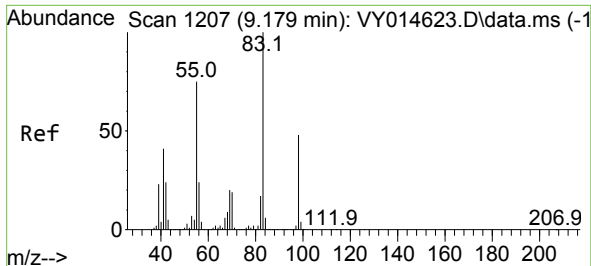
Ion Ratio Lower Upper

117 100

119 94.5 76.4 114.6

121 31.2 25.8 38.6





#39

Methylcyclohexane

Concen: 47.195 ug/l

RT: 9.179 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY014663.D

Acq: 17 Jul 2023 11:00

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

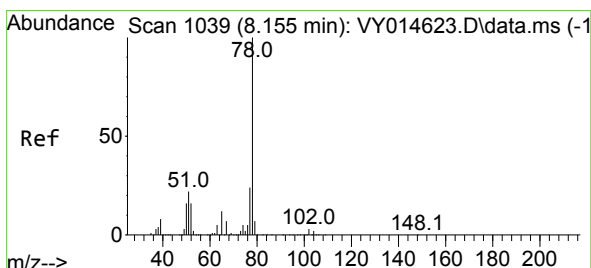
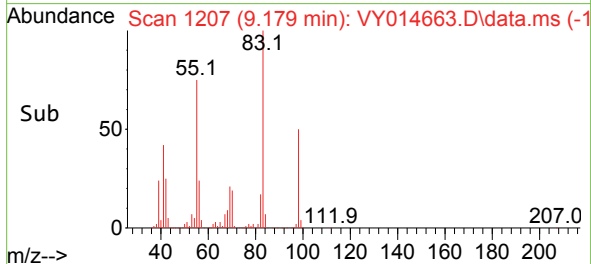
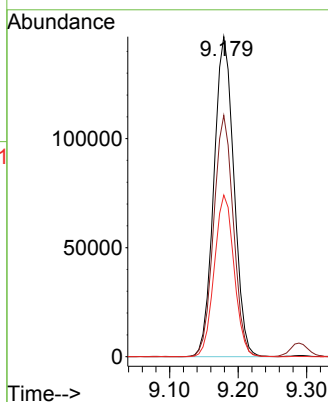
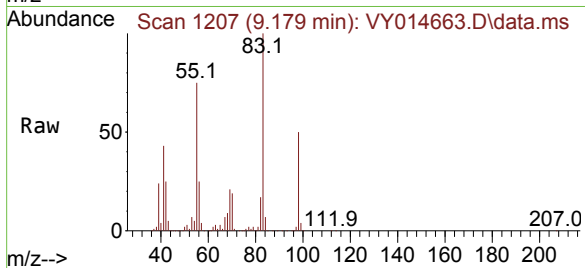
Tgt Ion: 83 Resp: 297310

Ion Ratio Lower Upper

83 100

55 75.4 63.0 94.4

98 50.5 37.4 56.2



#40

Benzene

Concen: 50.710 ug/l

RT: 8.155 min Scan# 1039

Delta R.T. -0.000 min

Lab File: VY014663.D

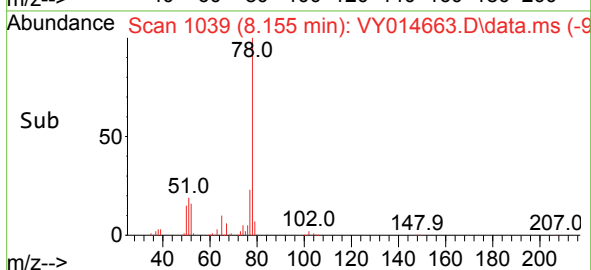
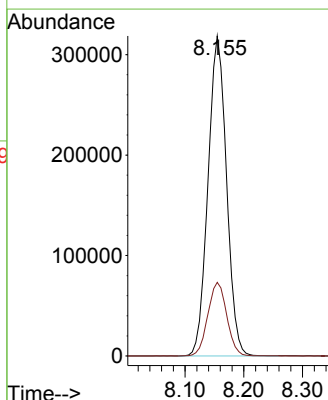
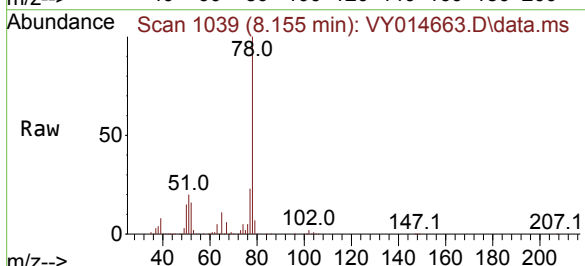
Acq: 17 Jul 2023 11:00

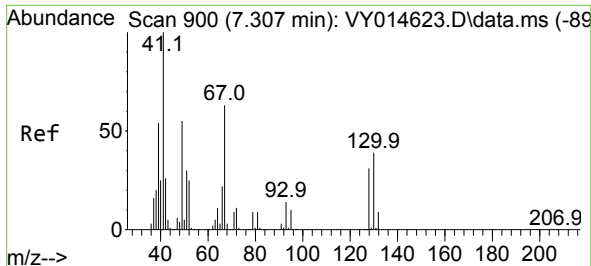
Tgt Ion: 78 Resp: 697370

Ion Ratio Lower Upper

78 100

77 23.0 19.0 28.6

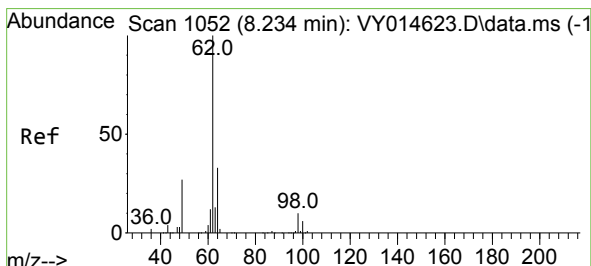
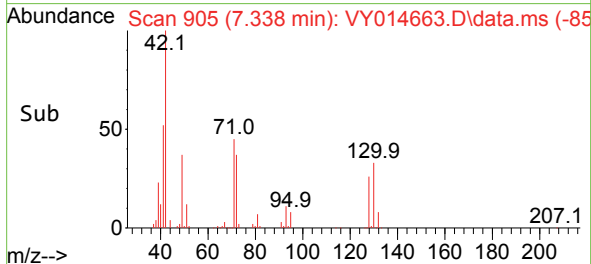
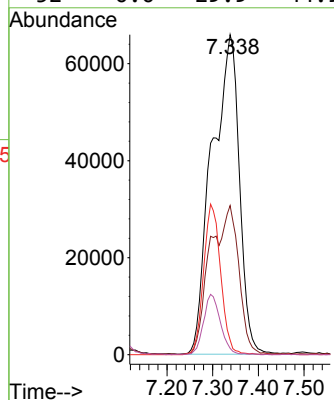
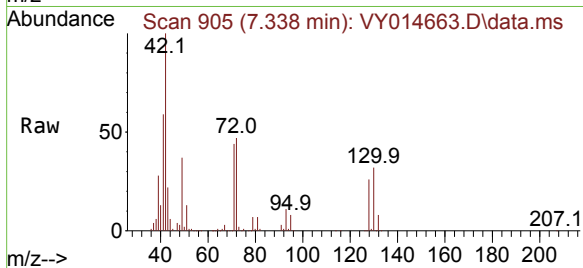




#41  
Methacrylonitrile  
Concen: 159.917 ug/l  
RT: 7.338 min Scan# 905  
Delta R.T. 0.031 min  
Lab File: VY014663.D  
Acq: 17 Jul 2023 11:00

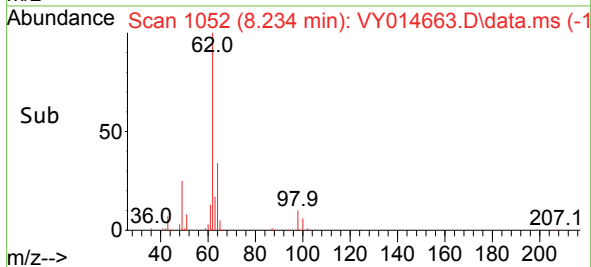
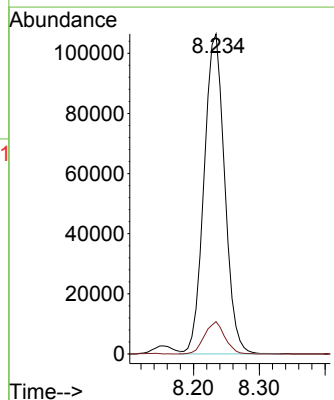
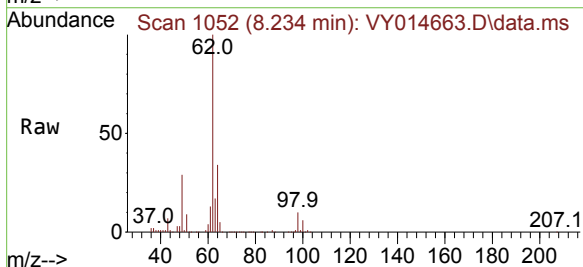
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

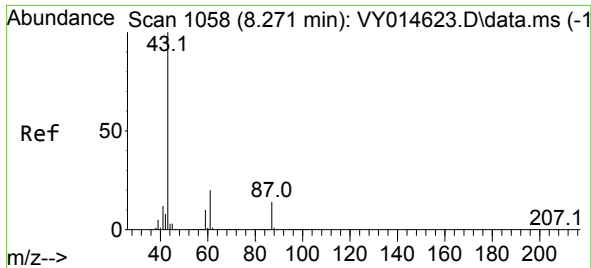
Tgt Ion: 41 Resp: 273838  
Ion Ratio Lower Upper  
41 100  
39 25.1 52.1 78.1#  
67 0.0 66.2 99.2#  
52 0.0 29.9 44.9#



#42  
1,2-Dichloroethane  
Concen: 53.297 ug/l  
RT: 8.234 min Scan# 1052  
Delta R.T. 0.000 min  
Lab File: VY014663.D  
Acq: 17 Jul 2023 11:00

Tgt Ion: 62 Resp: 232102  
Ion Ratio Lower Upper  
62 100  
98 9.9 0.0 15.8

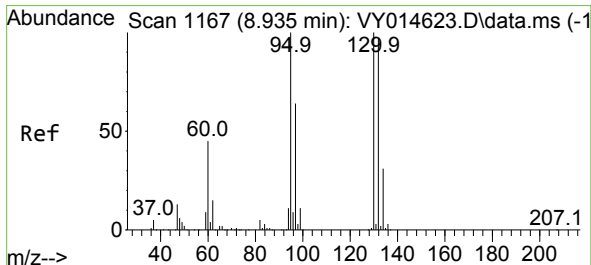
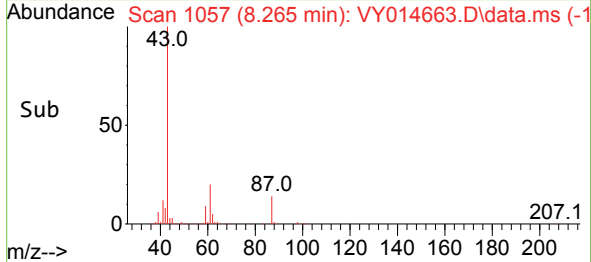
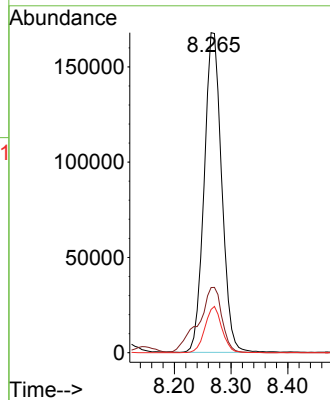
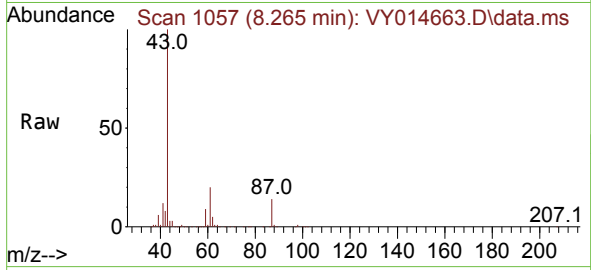




#43  
Isopropyl Acetate  
Concen: 56.652 ug/l  
RT: 8.265 min Scan# 1057  
Delta R.T. -0.006 min  
Lab File: VY014663.D  
Acq: 17 Jul 2023 11:00

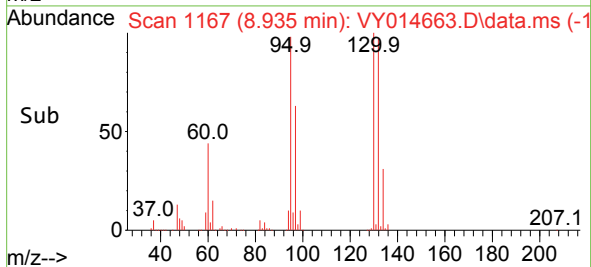
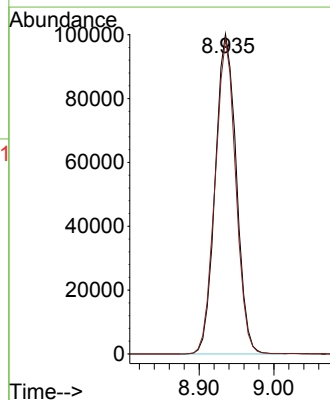
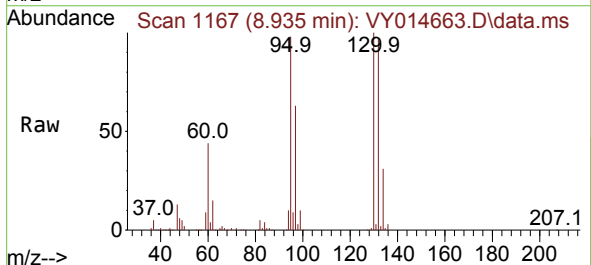
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

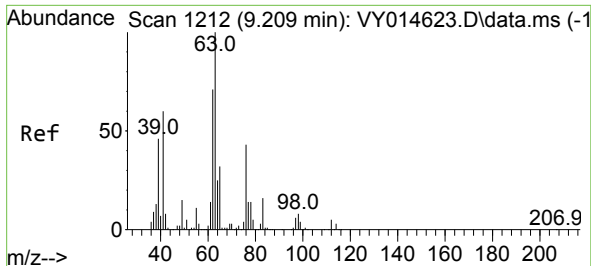
Tgt Ion: 43 Resp: 359272  
Ion Ratio Lower Upper  
43 100  
61 27.6 21.1 31.7  
87 14.0 9.8 14.8



#44  
Trichloroethene  
Concen: 51.027 ug/l  
RT: 8.935 min Scan# 1167  
Delta R.T. 0.000 min  
Lab File: VY014663.D  
Acq: 17 Jul 2023 11:00

Tgt Ion:130 Resp: 196338  
Ion Ratio Lower Upper  
130 100  
95 98.4 0.0 196.0





#45

1,2-Dichloropropane

Concen: 51.032 ug/l

RT: 9.210 min Scan# 1212

Delta R.T. 0.001 min

Lab File: VY014663.D

Acq: 17 Jul 2023 11:00

Instrument :

MSVOA\_Y

ClientSampleId :

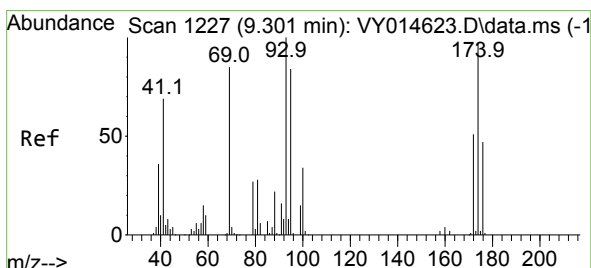
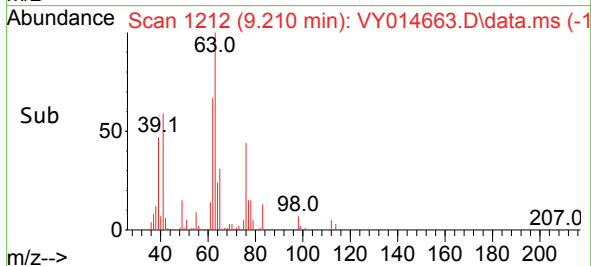
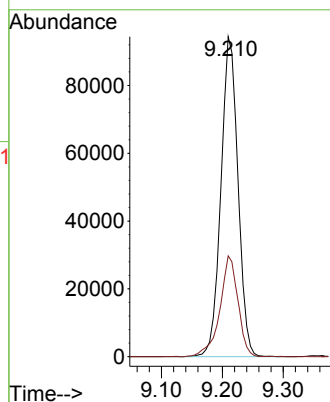
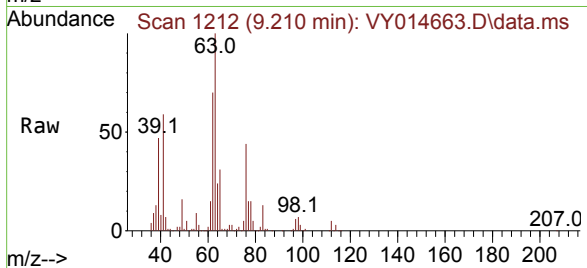
VSTDCCC050

Tgt Ion: 63 Resp: 183254

Ion Ratio Lower Upper

63 100

65 31.5 23.8 35.6



#46

Dibromomethane

Concen: 53.427 ug/l

RT: 9.301 min Scan# 1227

Delta R.T. -0.000 min

Lab File: VY014663.D

Acq: 17 Jul 2023 11:00

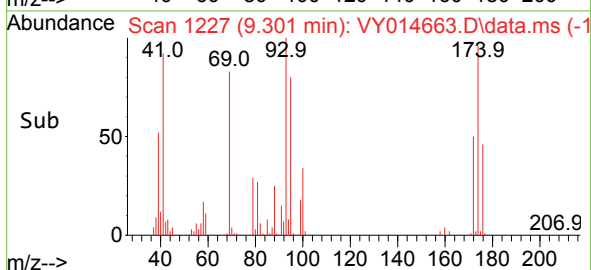
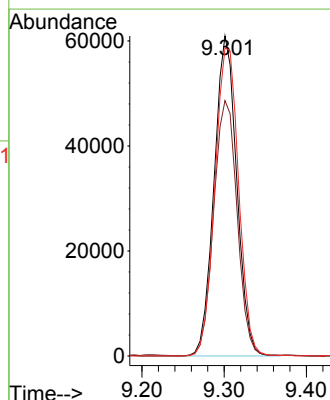
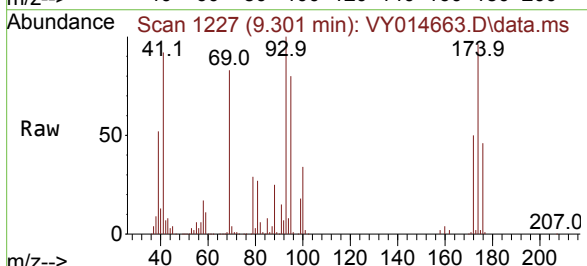
Tgt Ion: 93 Resp: 116390

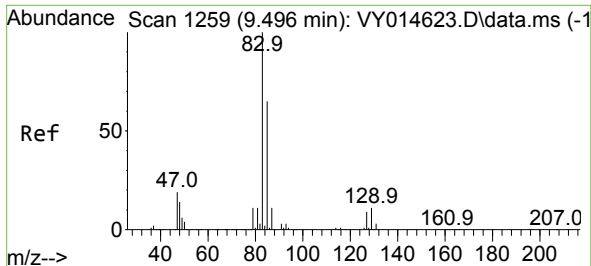
Ion Ratio Lower Upper

93 100

95 82.9 66.6 100.0

174 101.2 84.8 127.2

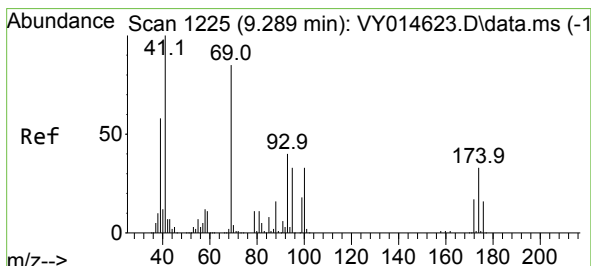
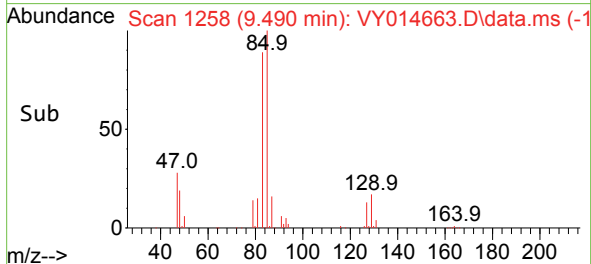
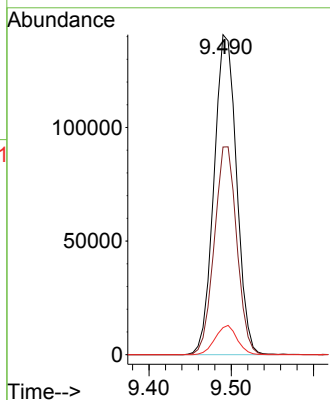
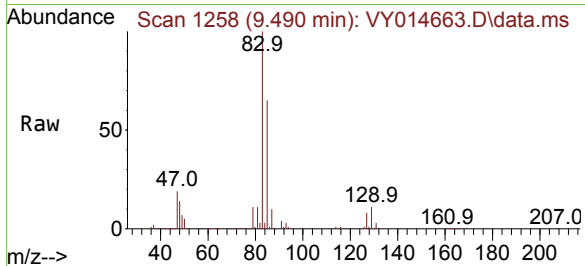




#47  
Bromodichloromethane  
Concen: 52.335 ug/l  
RT: 9.490 min Scan# 1258  
Delta R.T. -0.006 min  
Lab File: VY014663.D  
Acq: 17 Jul 2023 11:00

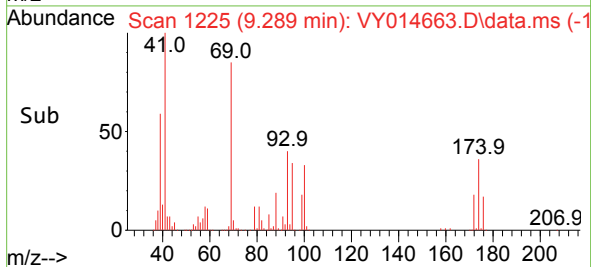
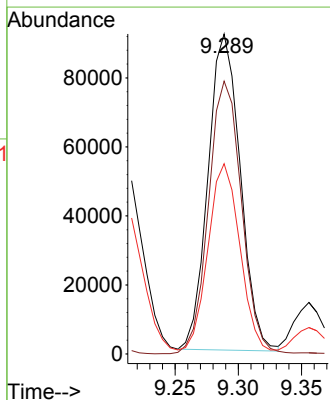
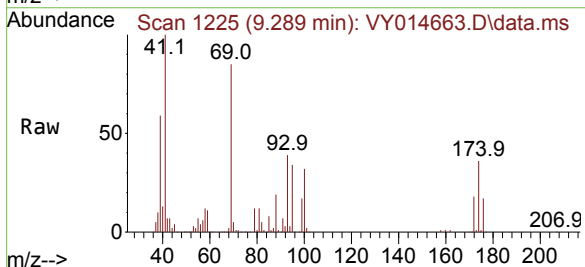
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

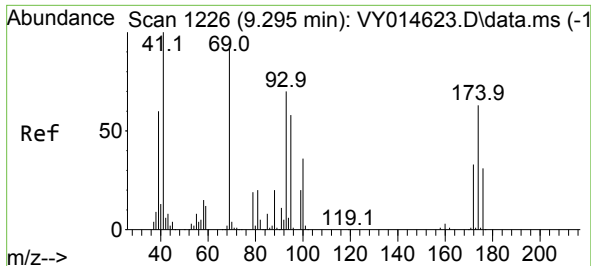
Tgt Ion: 83 Resp: 268710  
Ion Ratio Lower Upper  
83 100  
85 64.9 50.1 75.1  
127 8.4 7.1 10.7



#48  
Methyl methacrylate  
Concen: 56.948 ug/l  
RT: 9.289 min Scan# 1225  
Delta R.T. -0.000 min  
Lab File: VY014663.D  
Acq: 17 Jul 2023 11:00

Tgt Ion: 41 Resp: 162506  
Ion Ratio Lower Upper  
41 100  
69 88.4 64.5 96.7  
39 59.8 50.8 76.2





#49

1,4-Dioxane

Concen: 1244.023 ug/l

RT: 9.289 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY014663.D

Acq: 17 Jul 2023 11:00

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

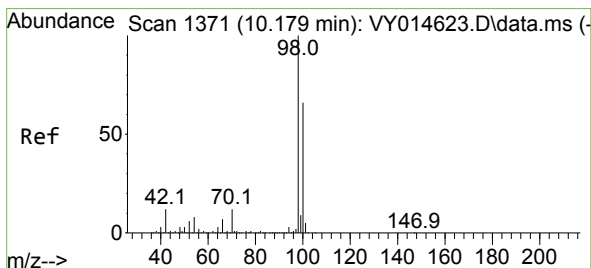
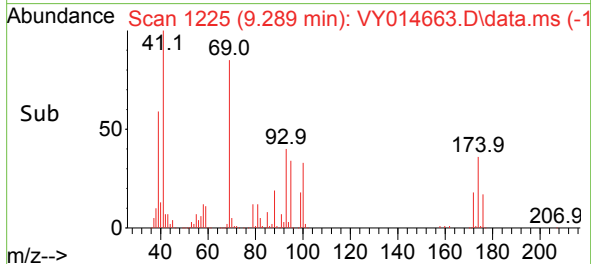
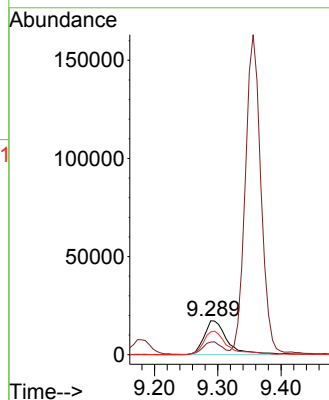
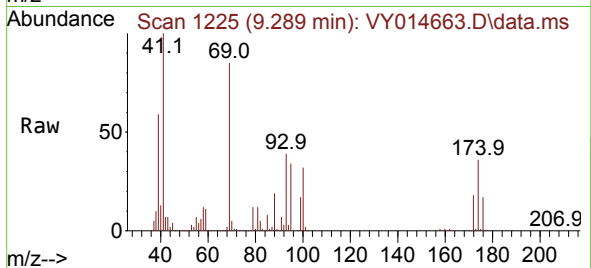
Tgt Ion: 88 Resp: 44190

Ion Ratio Lower Upper

88 100

43 31.3 0.0 0.0#

58 71.5 30.9 46.3#



#50

Toluene-d8

Concen: 47.848 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY014663.D

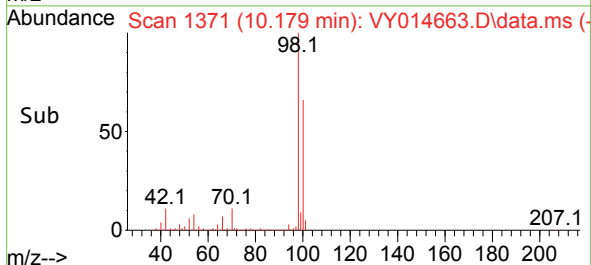
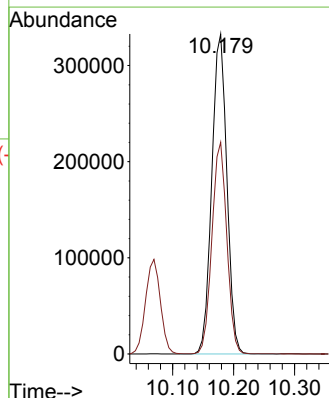
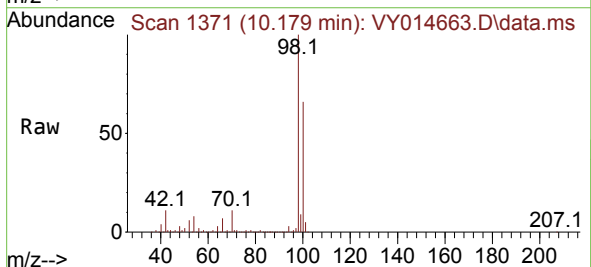
Acq: 17 Jul 2023 11:00

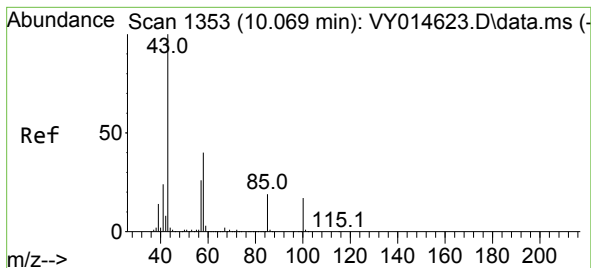
Tgt Ion: 98 Resp: 570379

Ion Ratio Lower Upper

98 100

100 65.3 50.1 75.1

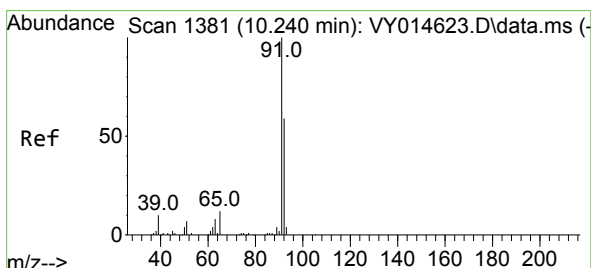
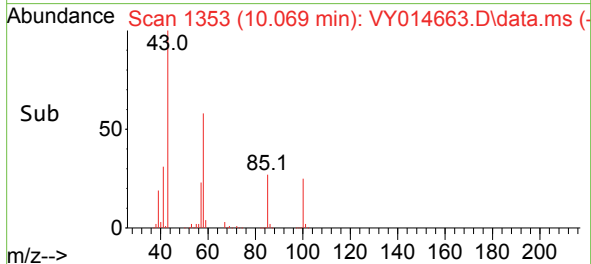
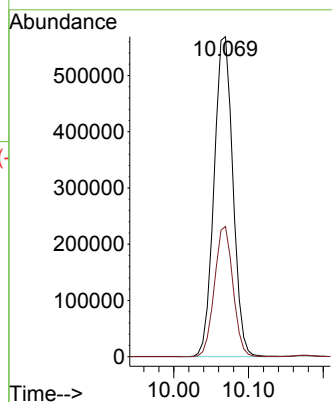
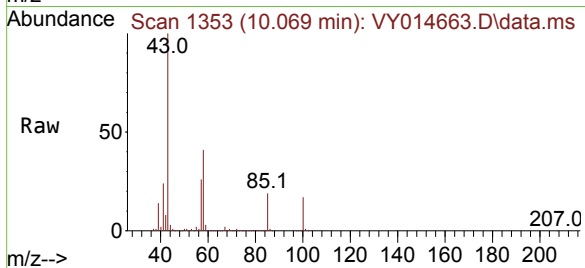




#51  
4-Methyl-2-Pentanone  
Concen: 299.151 ug/l  
RT: 10.069 min Scan# 1353  
Delta R.T. 0.000 min  
Lab File: VY014663.D  
Acq: 17 Jul 2023 11:00

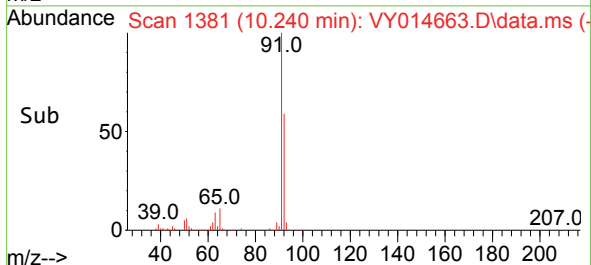
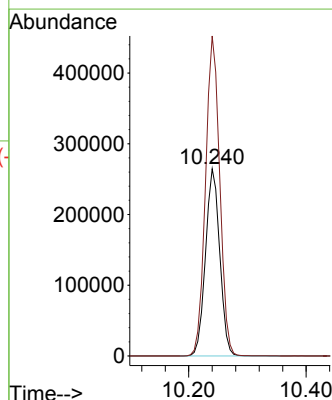
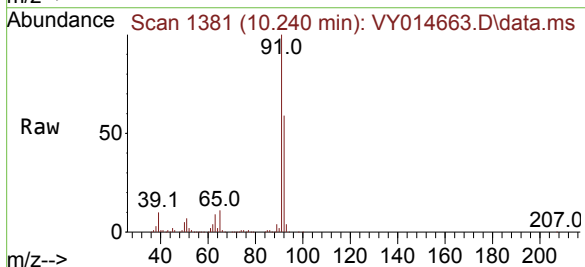
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

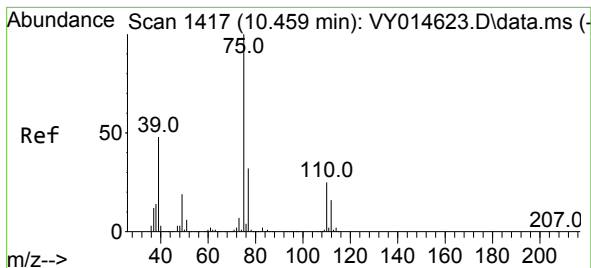
Tgt Ion: 43 Resp: 996079  
Ion Ratio Lower Upper  
43 100  
58 40.1 29.0 43.6



#52  
Toluene  
Concen: 50.549 ug/l  
RT: 10.240 min Scan# 1381  
Delta R.T. -0.000 min  
Lab File: VY014663.D  
Acq: 17 Jul 2023 11:00

Tgt Ion: 92 Resp: 444829  
Ion Ratio Lower Upper  
92 100  
91 170.9 143.8 215.6

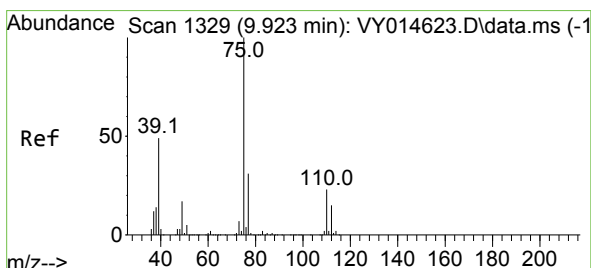
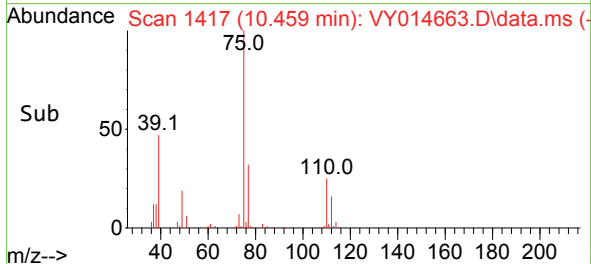
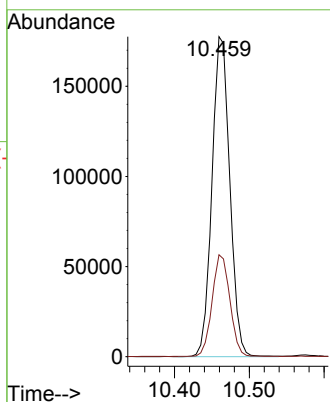
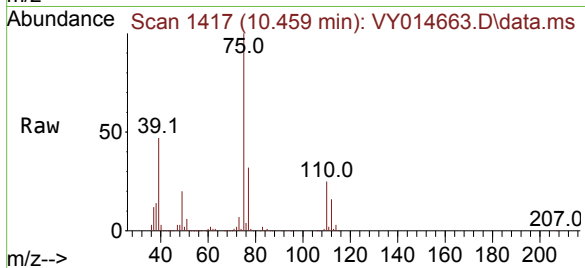




#53  
t-1,3-Dichloropropene  
Concen: 52.530 ug/l  
RT: 10.459 min Scan# 1417  
Delta R.T. 0.000 min  
Lab File: VY014663.D  
Acq: 17 Jul 2023 11:00

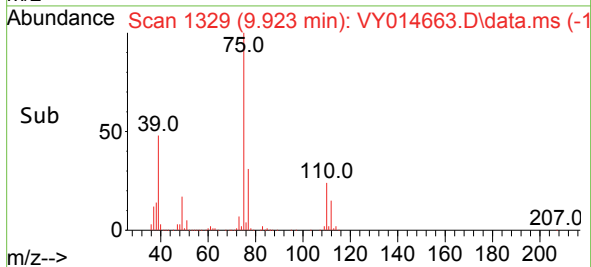
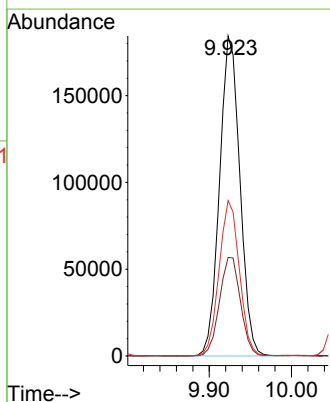
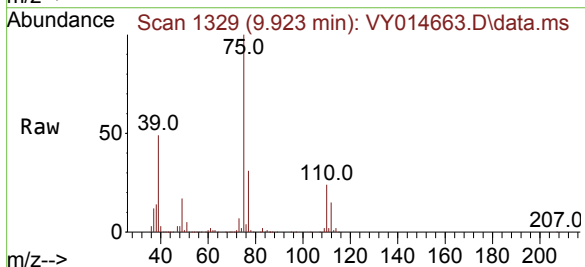
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

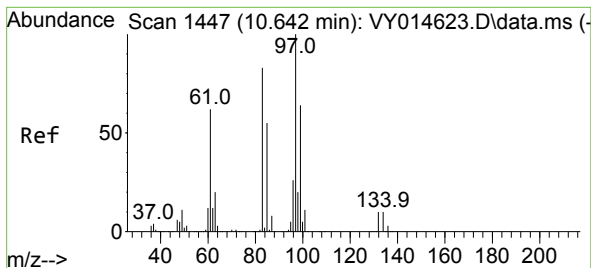
Tgt Ion: 75 Resp: 295020  
Ion Ratio Lower Upper  
75 100  
77 31.8 25.0 37.4



#54  
cis-1,3-Dichloropropene  
Concen: 51.871 ug/l  
RT: 9.923 min Scan# 1329  
Delta R.T. -0.000 min  
Lab File: VY014663.D  
Acq: 17 Jul 2023 11:00

Tgt Ion: 75 Resp: 316801  
Ion Ratio Lower Upper  
75 100  
77 30.8 24.2 36.4  
39 48.5 42.2 63.4

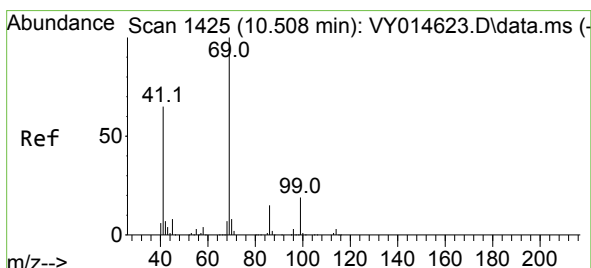
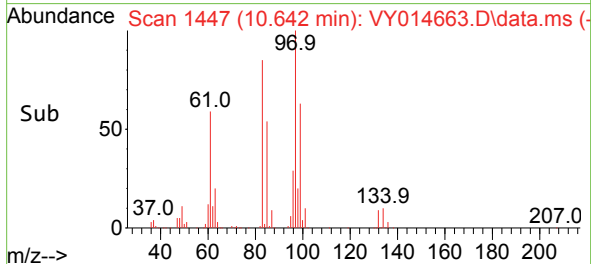
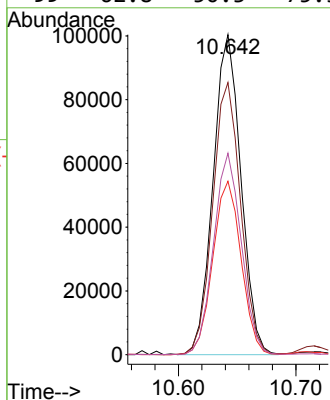
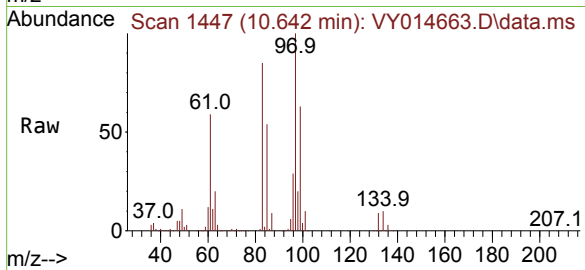




#55  
1,1,2-Trichloroethane  
Concen: 54.570 ug/l  
RT: 10.642 min Scan# 1447  
Delta R.T. 0.000 min  
Lab File: VY014663.D  
Acq: 17 Jul 2023 11:00

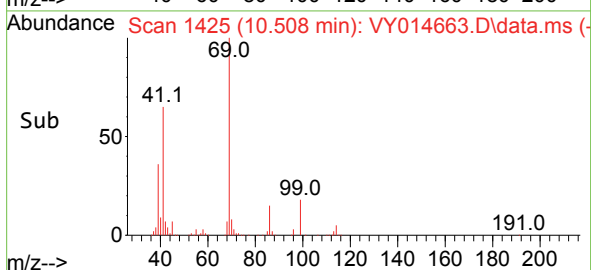
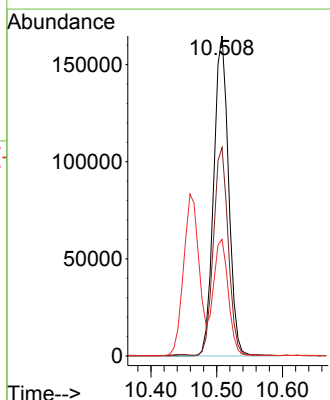
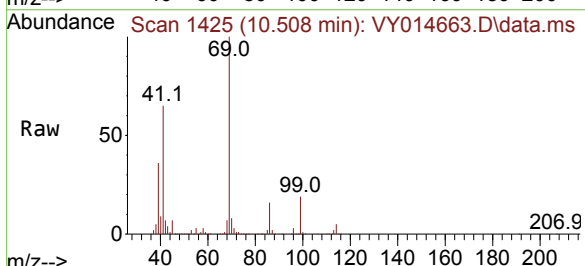
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

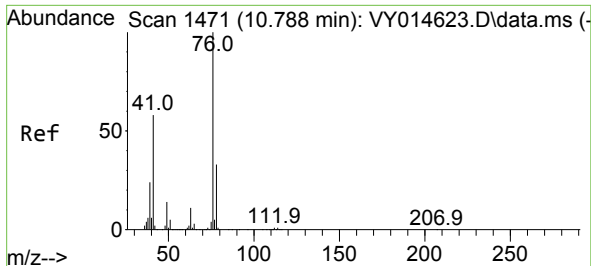
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 165594 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 84.9  | 72.0  | 108.0  |
| 85       | 54.1  | 45.4  | 68.0   |
| 99       | 62.8  | 50.3  | 75.5   |



#56  
Ethyl methacrylate  
Concen: 55.941 ug/l  
RT: 10.508 min Scan# 1425  
Delta R.T. 0.000 min  
Lab File: VY014663.D  
Acq: 17 Jul 2023 11:00

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 259186 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 64.8  | 57.6  | 86.4   |
| 39       | 36.7  | 34.1  | 51.1   |





#57

1,3-Dichloropropane

Concen: 53.754 ug/l

RT: 10.789 min Scan# 1471

Delta R.T. 0.001 min

Lab File: VY014663.D

Acq: 17 Jul 2023 11:00

Instrument :

MSVOA\_Y

ClientSampleId :

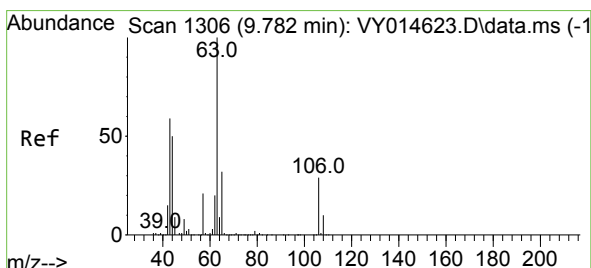
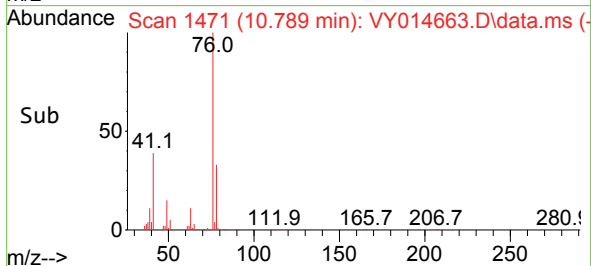
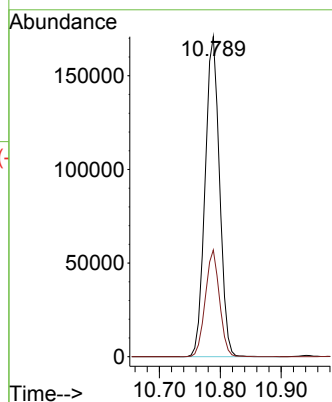
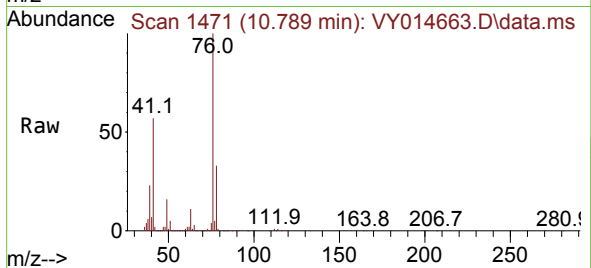
VSTDCCC050

Tgt Ion: 76 Resp: 281348

Ion Ratio Lower Upper

76 100

78 32.8 25.3 37.9



#58

2-Chloroethyl Vinyl ether

Concen: 275.760 ug/l

RT: 9.777 min Scan# 1305

Delta R.T. -0.005 min

Lab File: VY014663.D

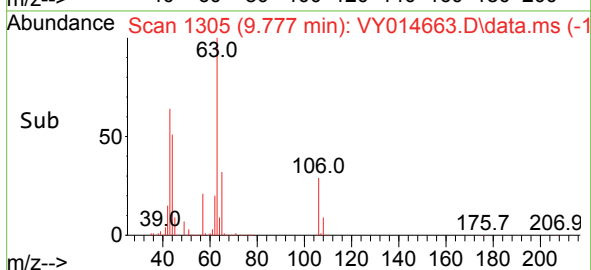
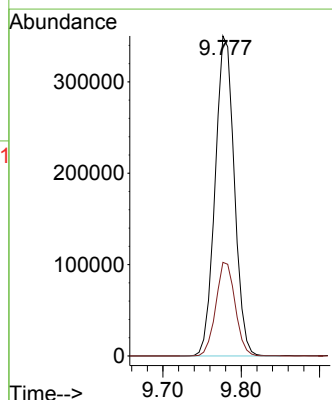
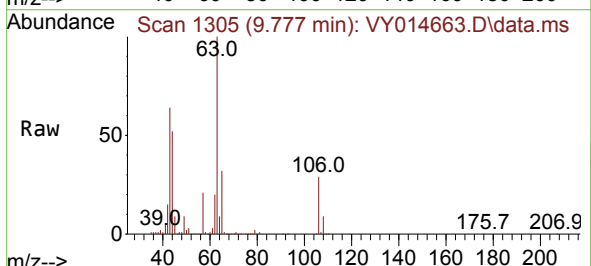
Acq: 17 Jul 2023 11:00

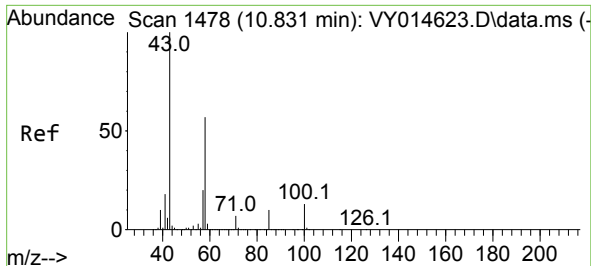
Tgt Ion: 63 Resp: 595315

Ion Ratio Lower Upper

63 100

106 29.5 21.2 31.8

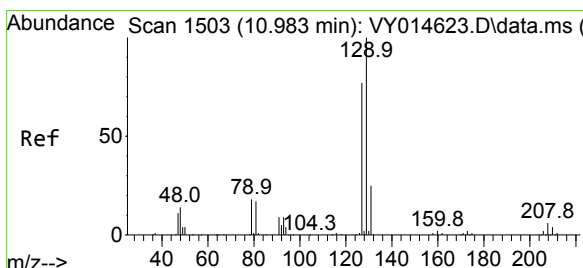
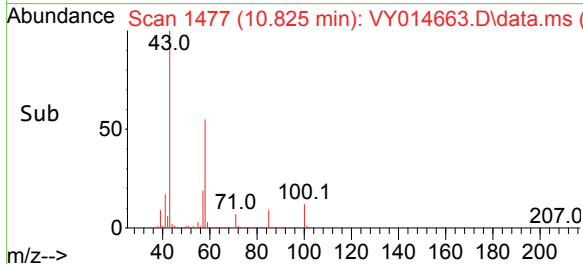
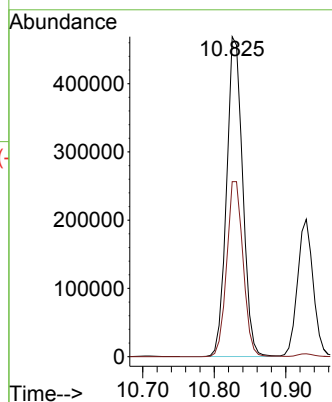
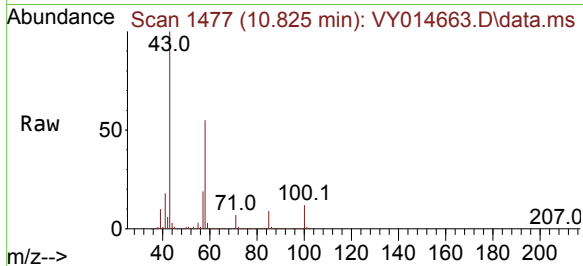




#59  
2-Hexanone  
Concen: 301.691 ug/l  
RT: 10.825 min Scan# 1478  
Delta R.T. -0.006 min  
Lab File: VY014663.D  
Acq: 17 Jul 2023 11:00

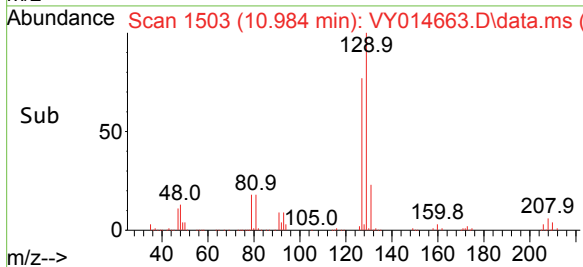
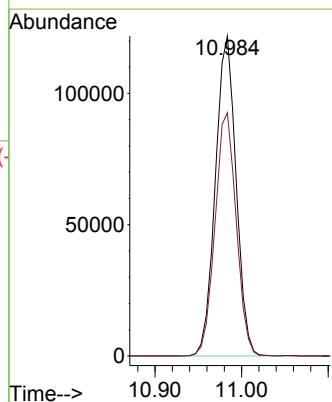
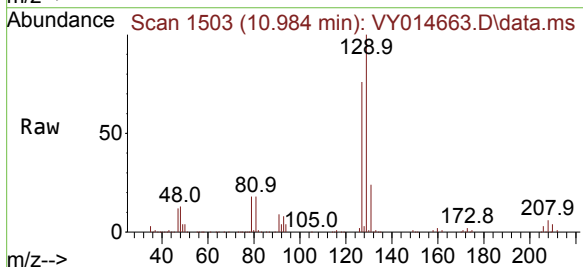
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

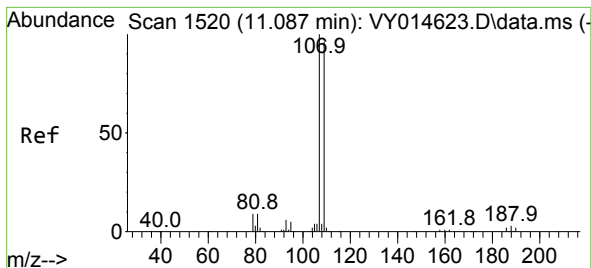
Tgt Ion: 43 Resp: 732563  
Ion Ratio Lower Upper  
43 100  
58 55.7 25.1 75.3



#60  
Dibromochloromethane  
Concen: 54.415 ug/l  
RT: 10.984 min Scan# 1503  
Delta R.T. 0.001 min  
Lab File: VY014663.D  
Acq: 17 Jul 2023 11:00

Tgt Ion: 129 Resp: 202454  
Ion Ratio Lower Upper  
129 100  
127 77.7 38.5 115.5

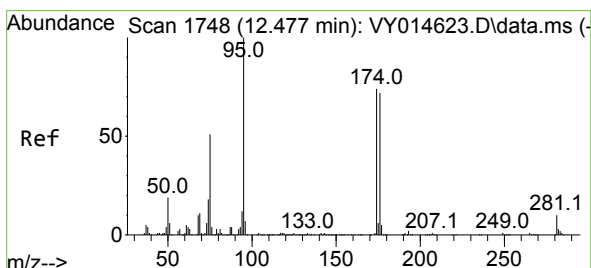
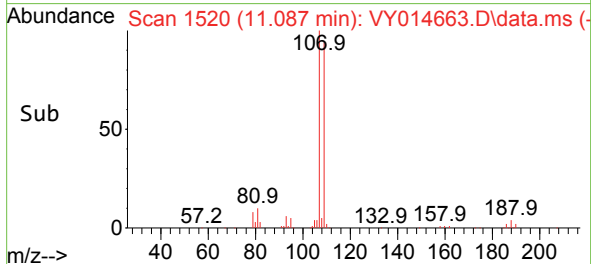
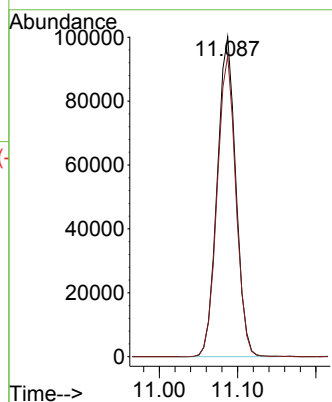
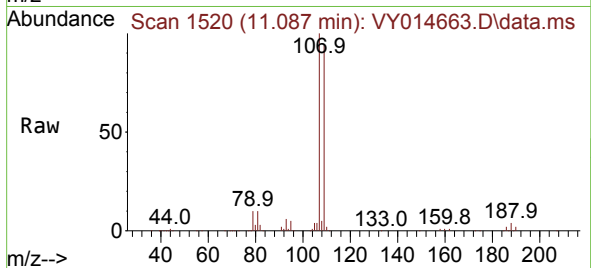




#61  
1,2-Dibromoethane  
Concen: 54.687 ug/l  
RT: 11.087 min Scan# 1520  
Delta R.T. 0.000 min  
Lab File: VY014663.D  
Acq: 17 Jul 2023 11:00

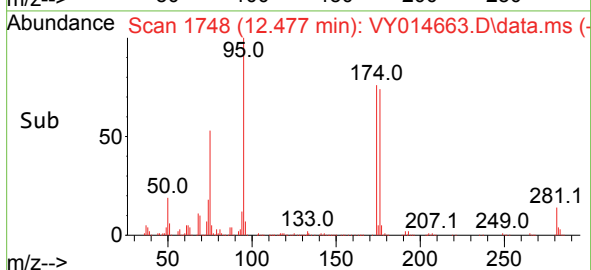
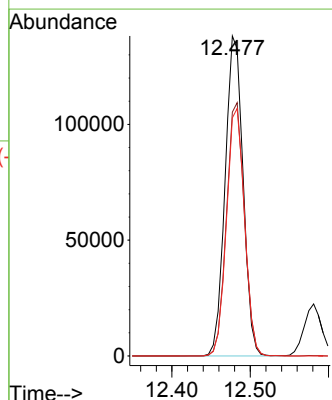
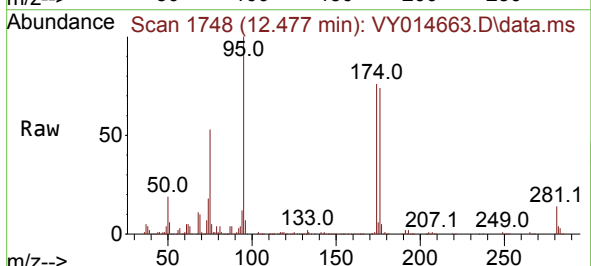
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

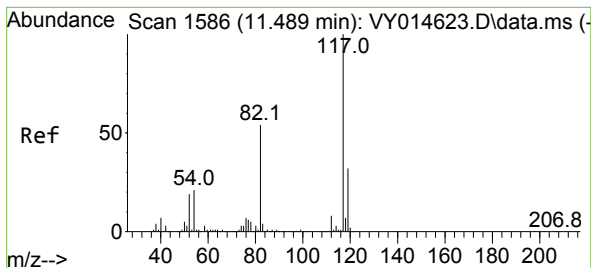
Tgt Ion:107 Resp: 165552  
Ion Ratio Lower Upper  
107 100  
109 94.6 75.6 113.4



#62  
4-Bromofluorobenzene  
Concen: 48.195 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.000 min  
Lab File: VY014663.D  
Acq: 17 Jul 2023 11:00

Tgt Ion: 95 Resp: 220294  
Ion Ratio Lower Upper  
95 100  
174 78.8 0.0 178.2  
176 77.6 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 1

Delta R.T. 0.001 min

Lab File: VY014663.D

Acq: 17 Jul 2023 11:00

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

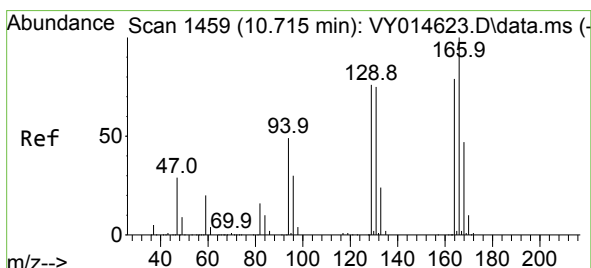
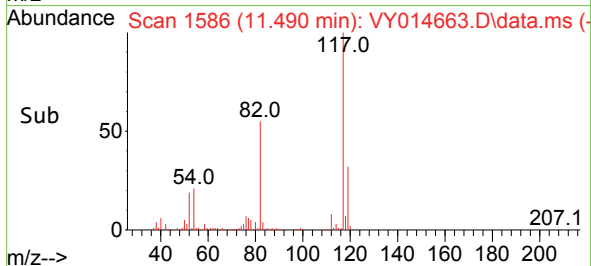
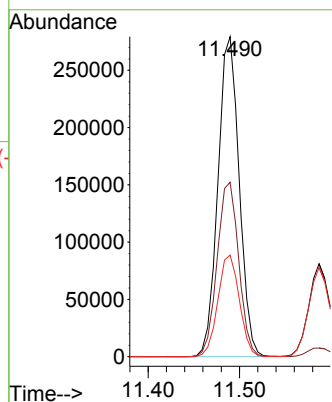
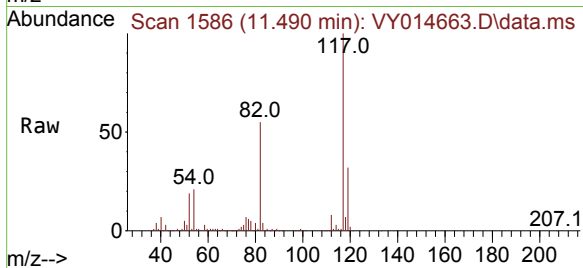
Tgt Ion:117 Resp: 451443

Ion Ratio Lower Upper

117 100

82 54.5 43.4 65.0

119 31.8 26.3 39.5



#64

Tetrachloroethene

Concen: 51.214 ug/l

RT: 10.715 min Scan# 1459

Delta R.T. 0.000 min

Lab File: VY014663.D

Acq: 17 Jul 2023 11:00

Tgt Ion:164 Resp: 185947

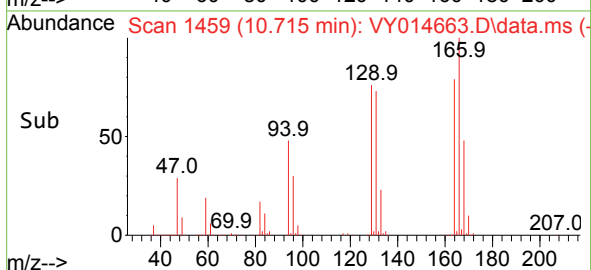
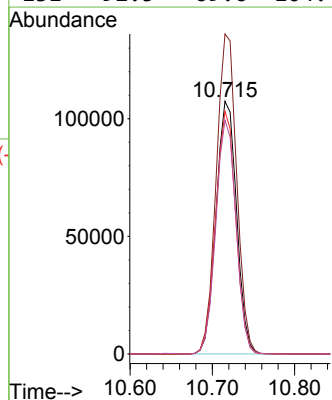
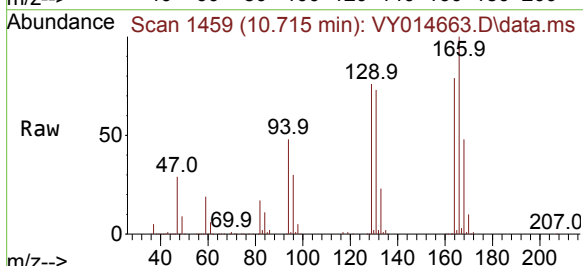
Ion Ratio Lower Upper

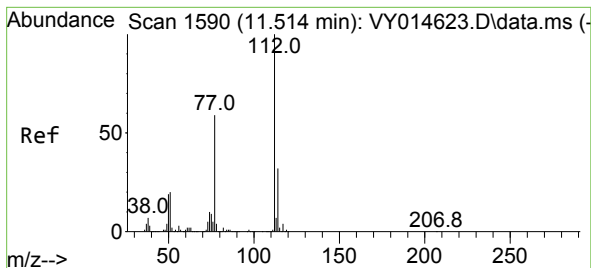
164 100

166 126.7 103.0 154.6

129 96.0 77.2 115.8

131 92.5 69.6 104.4





#65

Chlorobenzene

Concen: 51.011 ug/l

RT: 11.514 min Scan# 1590

Delta R.T. 0.000 min

Lab File: VY014663.D

Acq: 17 Jul 2023 11:00

Instrument :

MSVOA\_Y

ClientSampleId :

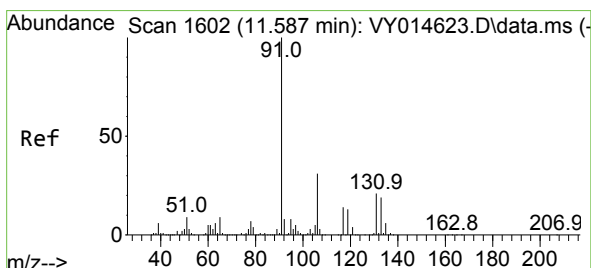
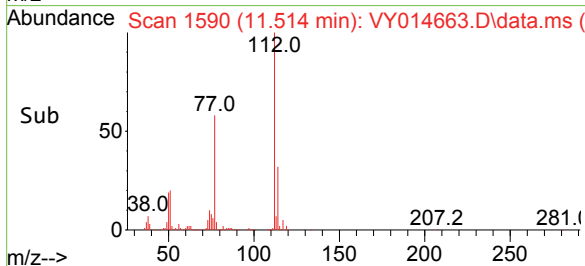
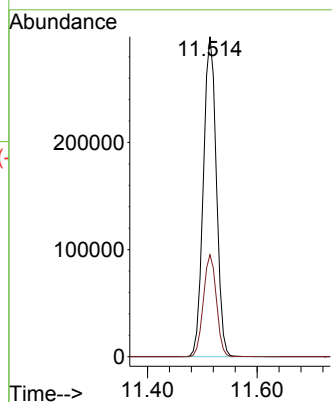
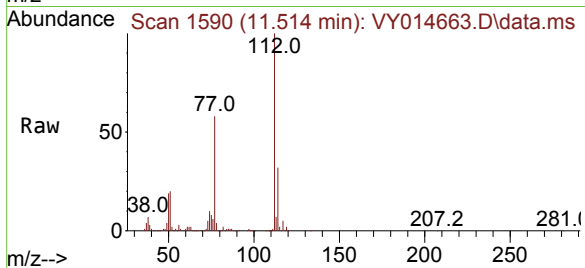
VSTDCCC050

Tgt Ion:112 Resp: 490728

Ion Ratio Lower Upper

112 100

114 31.8 25.5 38.3



#66

1,1,1,2-Tetrachloroethane

Concen: 52.947 ug/l

RT: 11.587 min Scan# 1602

Delta R.T. 0.000 min

Lab File: VY014663.D

Acq: 17 Jul 2023 11:00

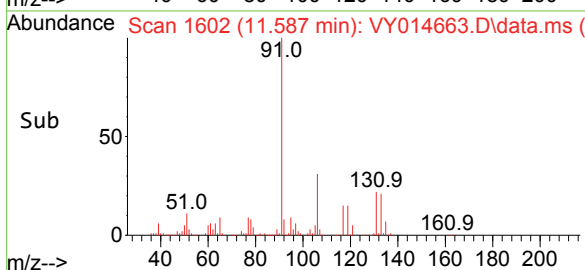
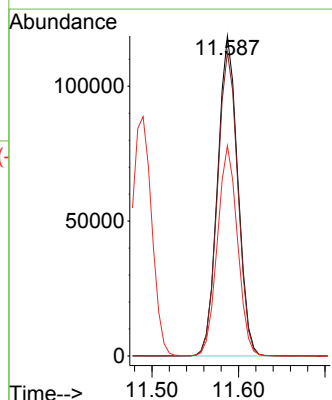
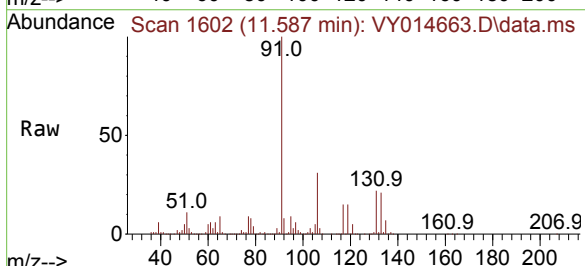
Tgt Ion:131 Resp: 192050

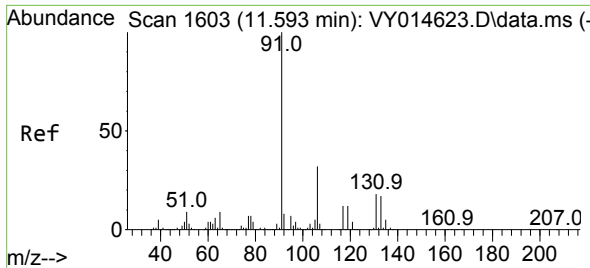
Ion Ratio Lower Upper

131 100

133 95.9 47.5 142.6

119 65.3 31.6 94.7

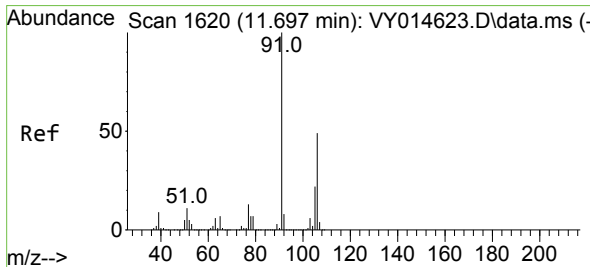
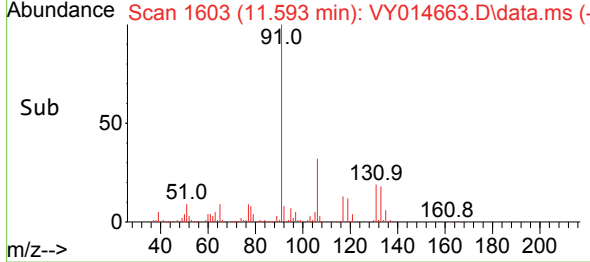
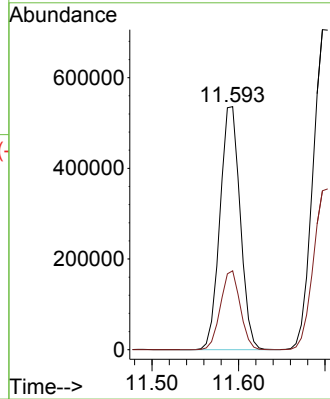
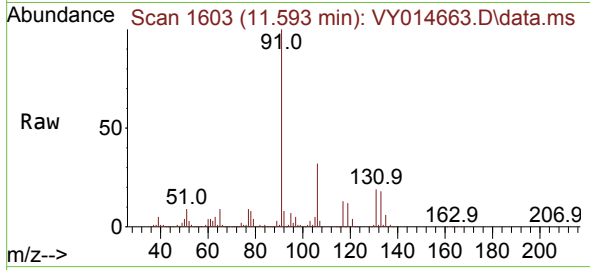




#67  
Ethyl Benzene  
Concen: 50.028 ug/l  
RT: 11.593 min Scan# 1603  
Delta R.T. 0.000 min  
Lab File: VY014663.D  
Acq: 17 Jul 2023 11:00

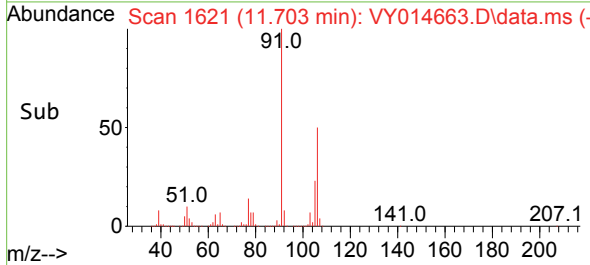
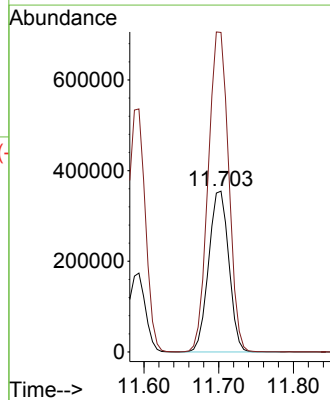
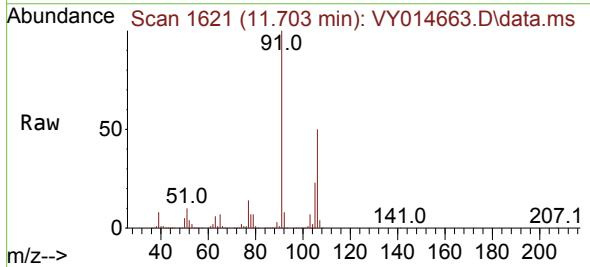
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

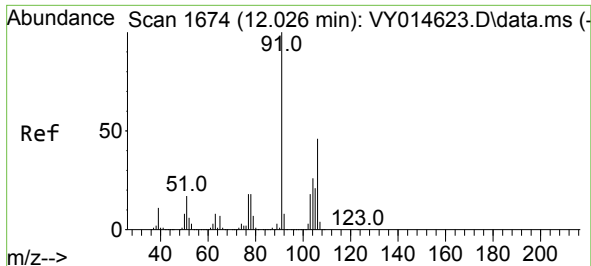
Tgt Ion: 91 Resp: 868945  
Ion Ratio Lower Upper  
91 100  
106 32.4 24.6 36.8



#68  
m/p-Xylenes  
Concen: 100.258 ug/l  
RT: 11.703 min Scan# 1621  
Delta R.T. 0.006 min  
Lab File: VY014663.D  
Acq: 17 Jul 2023 11:00

Tgt Ion: 106 Resp: 664736  
Ion Ratio Lower Upper  
106 100  
91 201.2 166.1 249.1

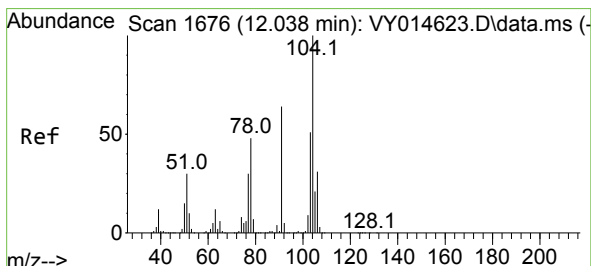
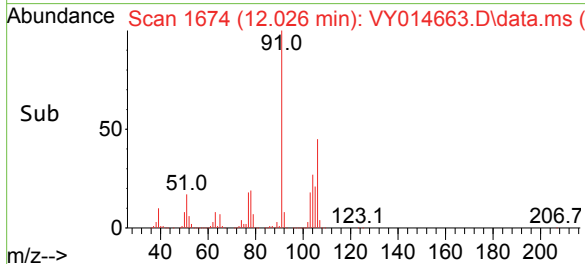
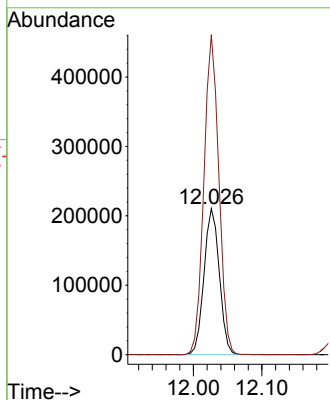
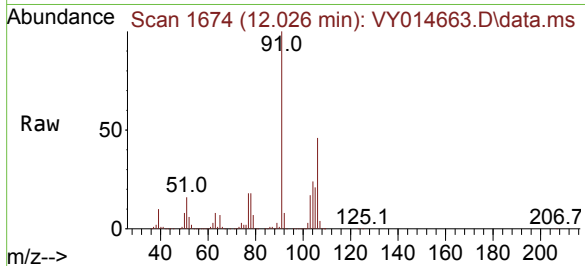




#69  
o-Xylene  
Concen: 50.752 ug/l  
RT: 12.026 min Scan# 1674  
Delta R.T. 0.000 min  
Lab File: VY014663.D  
Acq: 17 Jul 2023 11:00

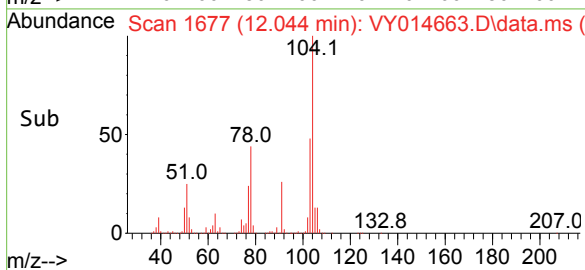
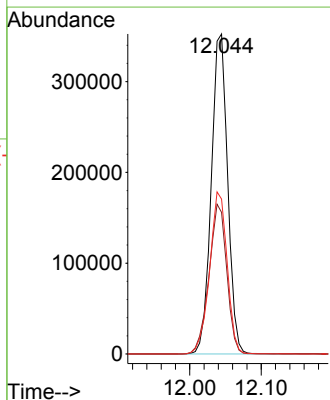
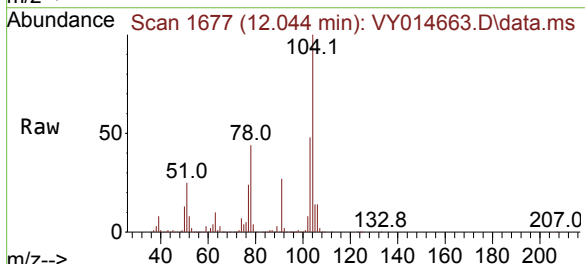
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

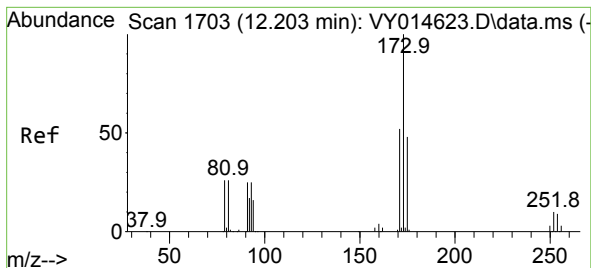
Tgt Ion:106 Resp: 327754  
Ion Ratio Lower Upper  
106 100  
91 213.9 108.1 324.3



#70  
Styrene  
Concen: 51.457 ug/l  
RT: 12.044 min Scan# 1677  
Delta R.T. 0.006 min  
Lab File: VY014663.D  
Acq: 17 Jul 2023 11:00

Tgt Ion:104 Resp: 560076  
Ion Ratio Lower Upper  
104 100  
78 50.9 41.5 62.3  
103 54.2 44.6 67.0





#71

Bromoform

Concen: 57.408 ug/l

RT: 12.203 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY014663.D

Acq: 17 Jul 2023 11:00

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

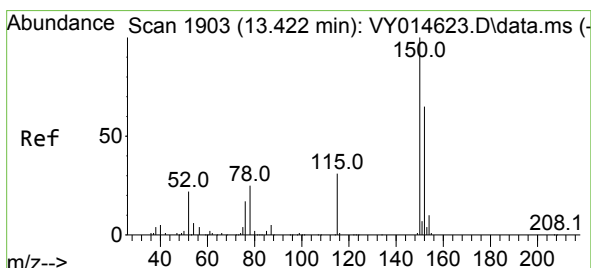
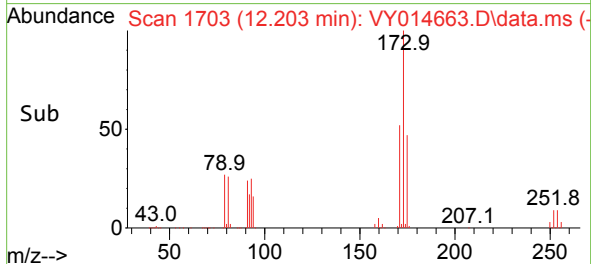
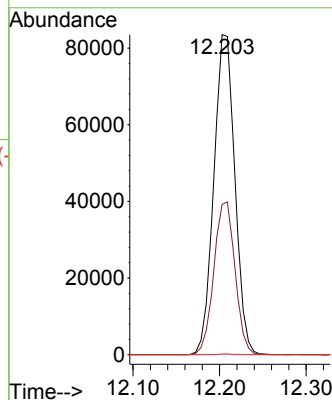
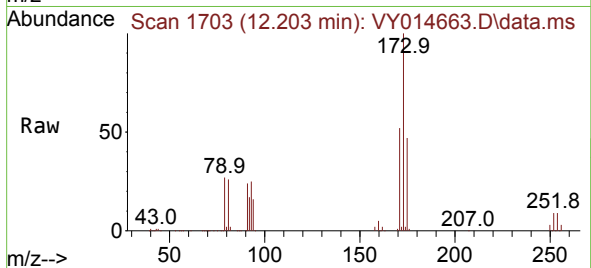
Tgt Ion:173 Resp: 141145

Ion Ratio Lower Upper

173 100

175 48.0 24.6 73.8

254 0.2 0.2 0.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY014663.D

Acq: 17 Jul 2023 11:00

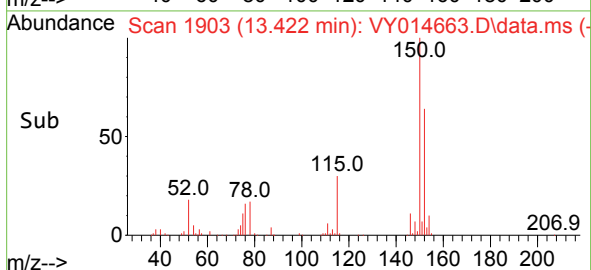
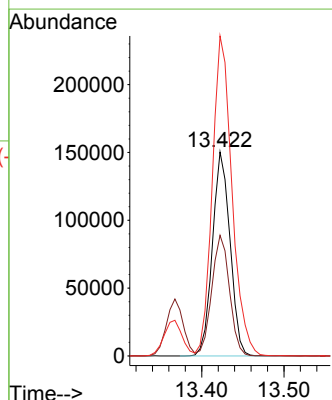
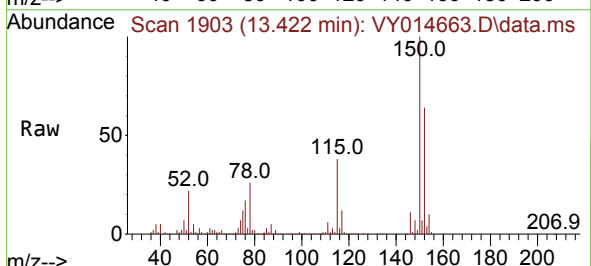
Tgt Ion:152 Resp: 223671

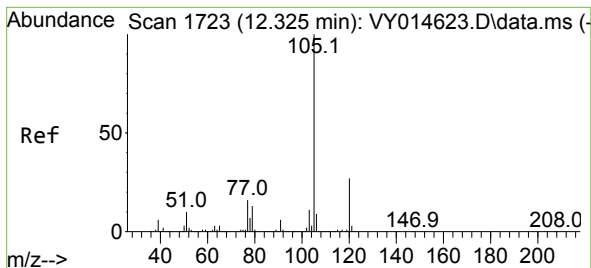
Ion Ratio Lower Upper

152 100

115 59.6 28.8 86.5

150 175.2 0.0 348.8





#73

Isopropylbenzene

Concen: 48.716 ug/l

RT: 12.325 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY014663.D

Acq: 17 Jul 2023 11:00

Instrument :

MSVOA\_Y

ClientSampleId :

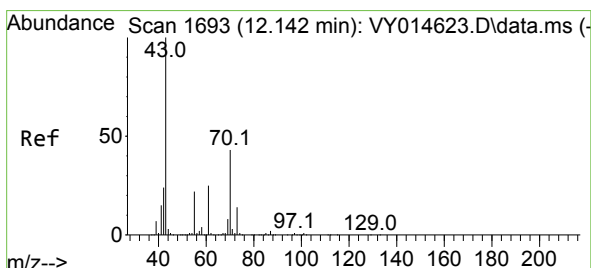
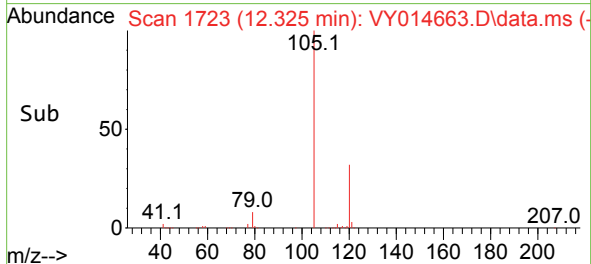
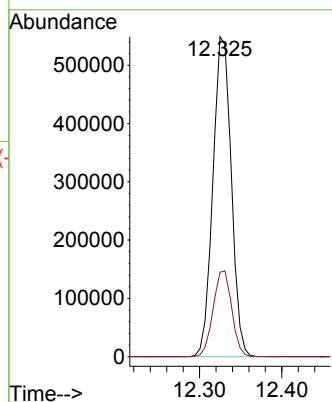
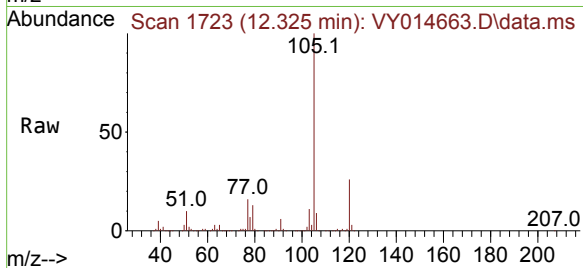
VSTDCCC050

Tgt Ion:105 Resp: 853183

Ion Ratio Lower Upper

105 100

120 27.2 13.3 39.9



#74

N-ethyl acetate

Concen: 53.950 ug/l

RT: 12.142 min Scan# 1693

Delta R.T. -0.000 min

Lab File: VY014663.D

Acq: 17 Jul 2023 11:00

Tgt Ion: 43 Resp: 316452

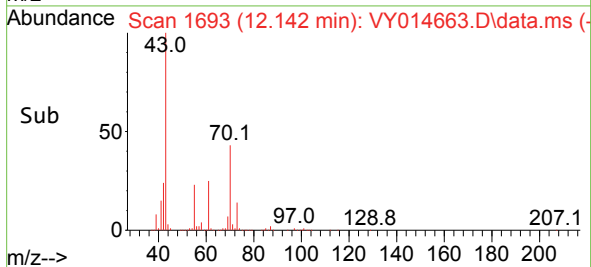
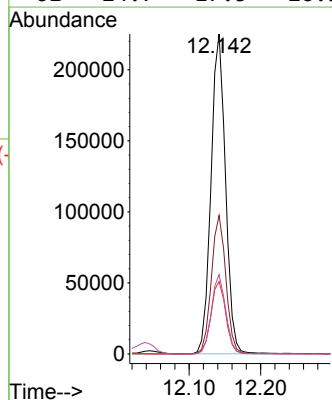
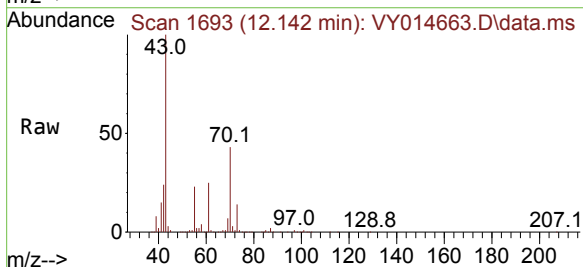
Ion Ratio Lower Upper

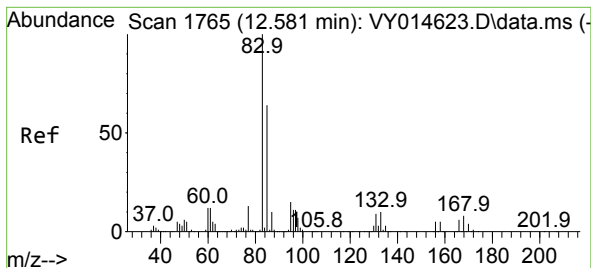
43 100

70 43.7 29.7 44.5

55 23.1 18.3 27.5

61 24.7 17.5 26.3

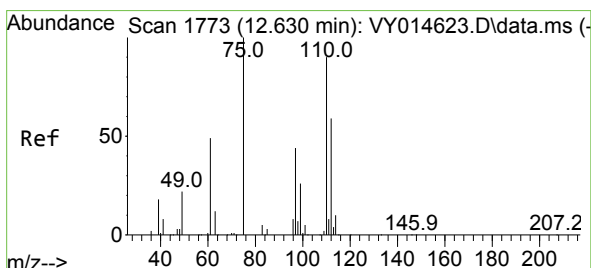
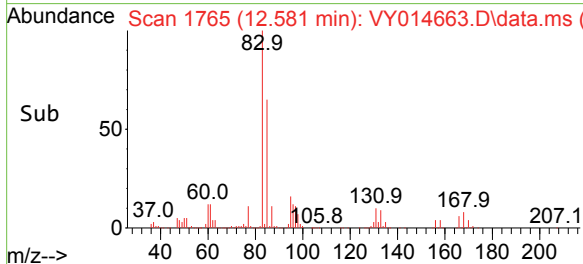
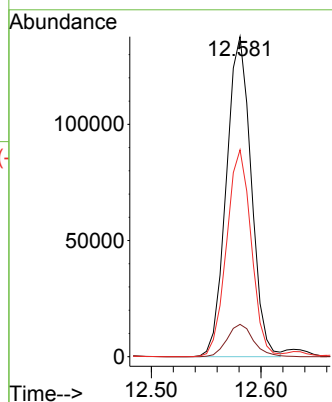
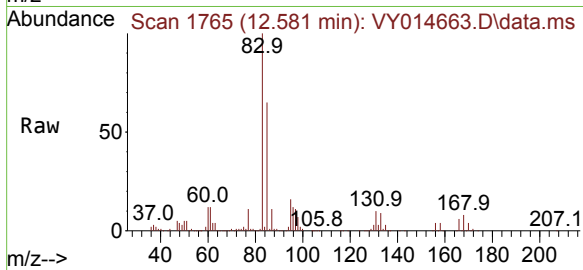




#75  
 1,1,2,2-Tetrachloroethane  
 Concen: 54.391 ug/l  
 RT: 12.581 min Scan# 1765  
 Delta R.T. -0.000 min  
 Lab File: VY014663.D  
 Acq: 17 Jul 2023 11:00

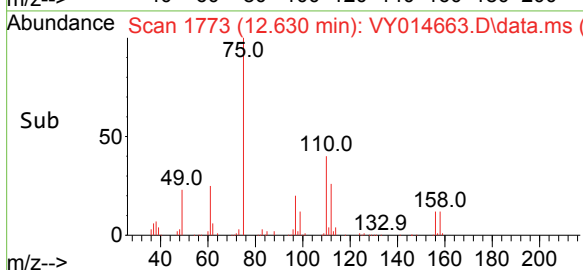
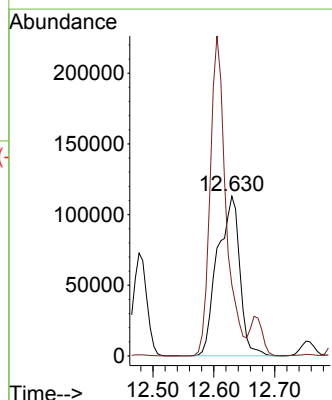
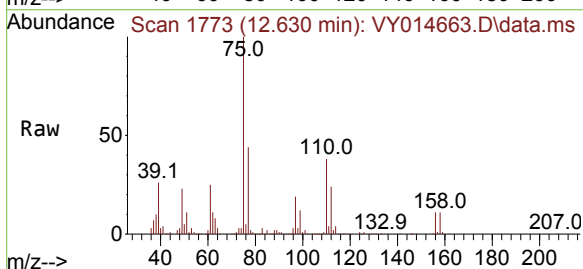
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

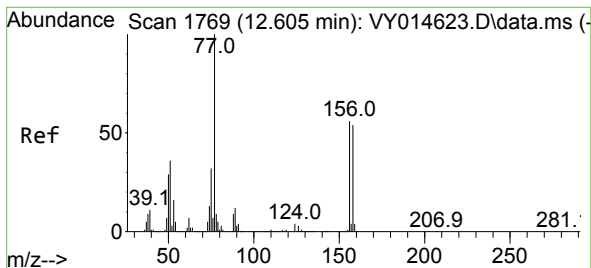
Tgt Ion: 83 Resp: 217228  
 Ion Ratio Lower Upper  
 83 100  
 131 10.7 5.4 16.2  
 85 64.2 31.8 95.4



#76  
 1,2,3-Trichloropropane  
 Concen: 101.755 ug/l  
 RT: 12.630 min Scan# 1773  
 Delta R.T. -0.000 min  
 Lab File: VY014663.D  
 Acq: 17 Jul 2023 11:00

Tgt Ion: 75 Resp: 287449  
 Ion Ratio Lower Upper  
 75 100  
 77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 52.236 ug/l

RT: 12.605 min Scan# 1769

Delta R.T. 0.000 min

Lab File: VY014663.D

Acq: 17 Jul 2023 11:00

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

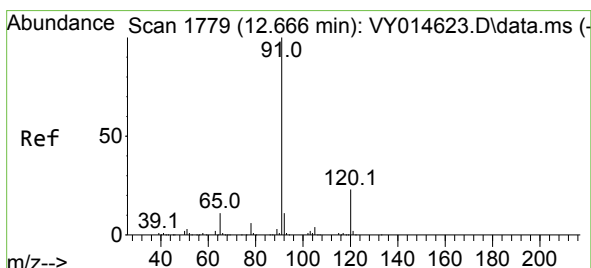
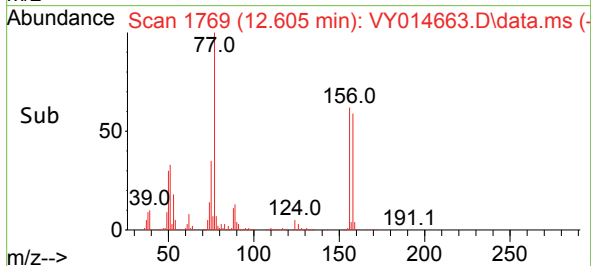
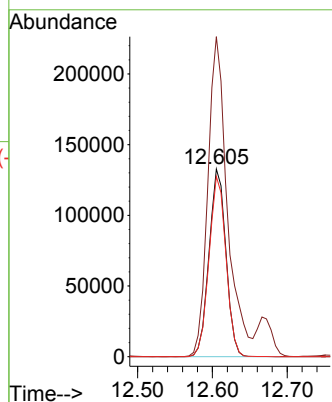
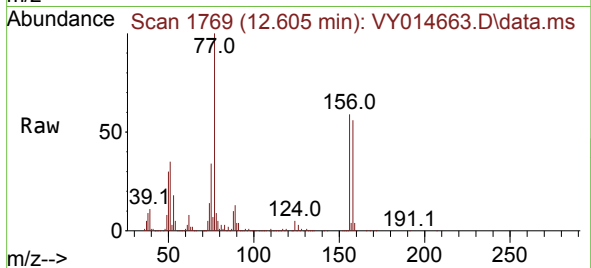
Tgt Ion:156 Resp: 208827

Ion Ratio Lower Upper

156 100

77 196.7 92.8 278.6

158 96.4 48.4 145.3



#78

n-propylbenzene

Concen: 48.532 ug/l

RT: 12.666 min Scan# 1779

Delta R.T. 0.000 min

Lab File: VY014663.D

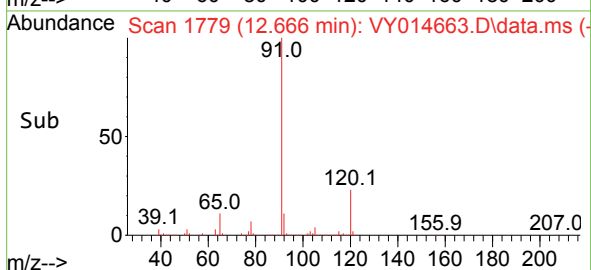
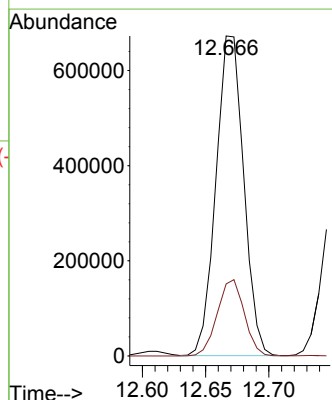
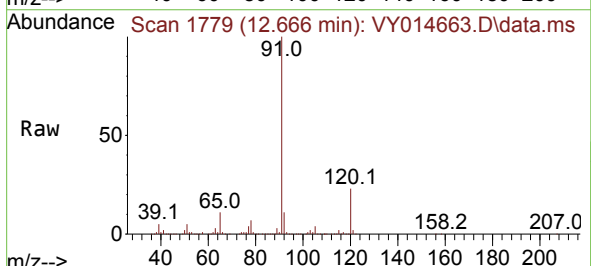
Acq: 17 Jul 2023 11:00

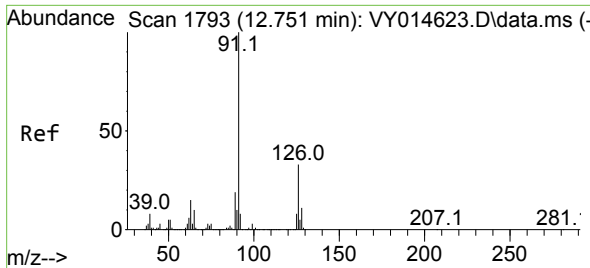
Tgt Ion: 91 Resp: 1024228

Ion Ratio Lower Upper

91 100

120 23.3 11.5 34.4

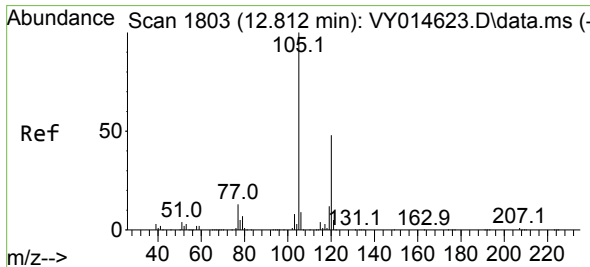
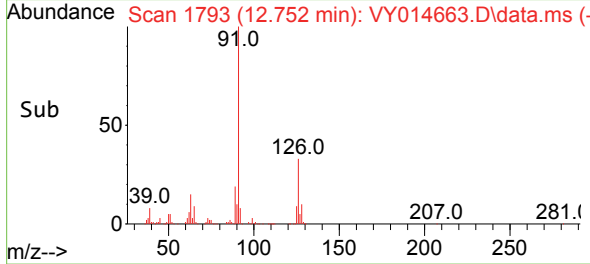
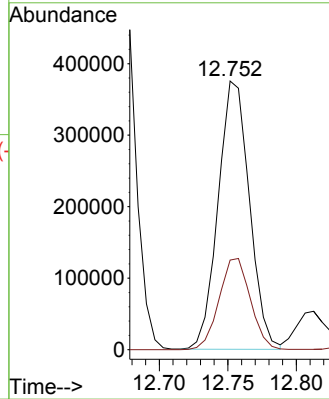
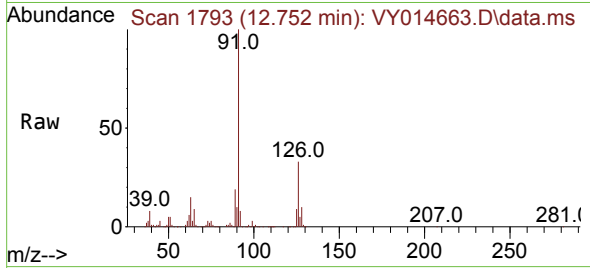




#79  
2-Chlorotoluene  
Concen: 49.097 ug/l  
RT: 12.752 min Scan# 1793  
Delta R.T. 0.001 min  
Lab File: VY014663.D  
Acq: 17 Jul 2023 11:00

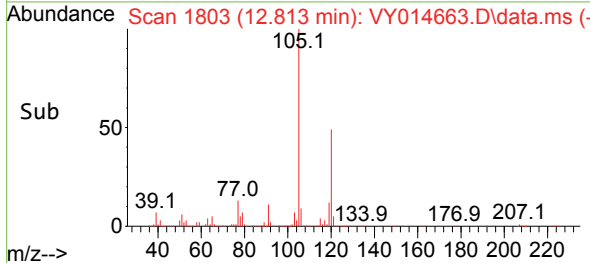
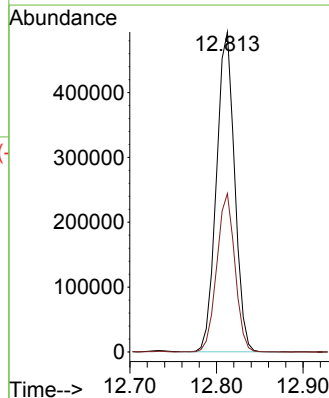
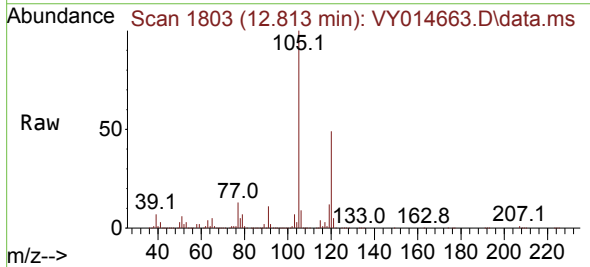
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

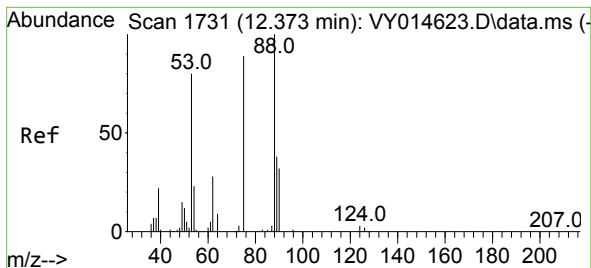
Tgt Ion: 91 Resp: 596795  
Ion Ratio Lower Upper  
91 100  
126 34.1 17.3 51.7



#80  
1,3,5-Trimethylbenzene  
Concen: 49.153 ug/l  
RT: 12.813 min Scan# 1803  
Delta R.T. 0.001 min  
Lab File: VY014663.D  
Acq: 17 Jul 2023 11:00

Tgt Ion: 105 Resp: 718924  
Ion Ratio Lower Upper  
105 100  
120 49.4 23.9 71.7

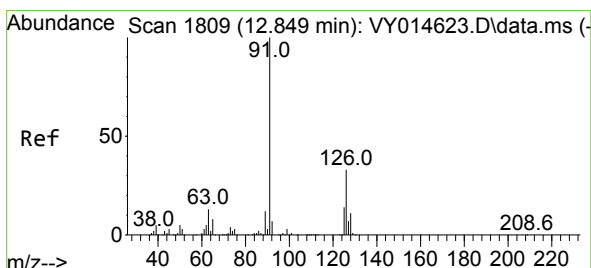
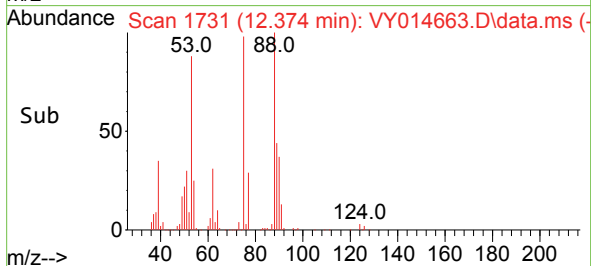
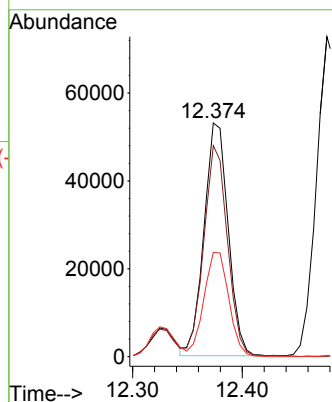
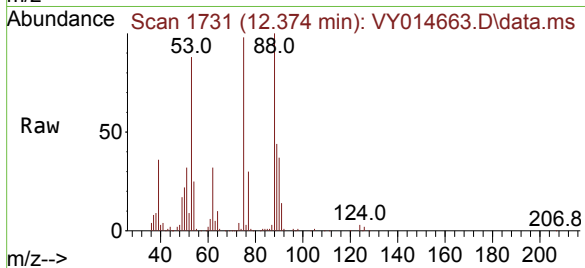




#81  
trans-1,4-Dichloro-2-butene  
Concen: 55.674 ug/l  
RT: 12.374 min Scan# 11  
Delta R.T. 0.001 min  
Lab File: VY014663.D  
Acq: 17 Jul 2023 11:00

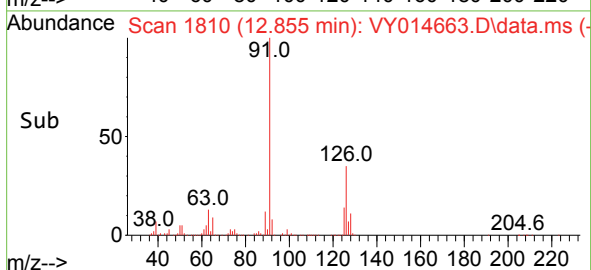
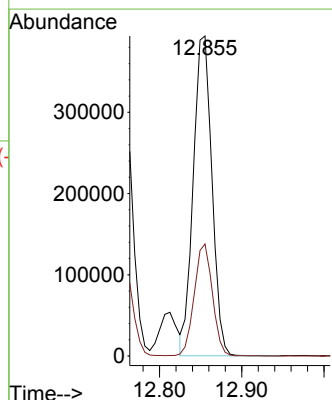
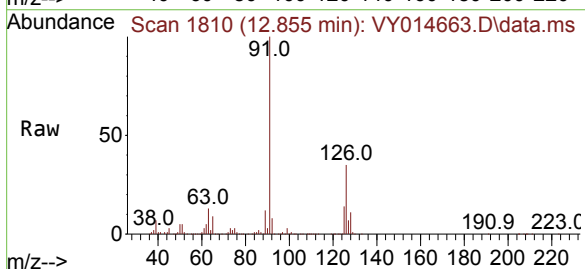
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

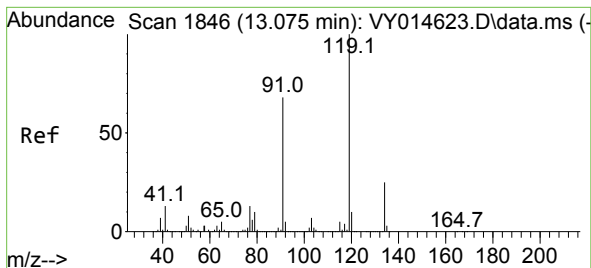
Tgt Ion: 75 Resp: 81229  
Ion Ratio Lower Upper  
75 100  
53 87.5 77.8 116.8  
89 46.1 37.4 56.0



#82  
4-Chlorotoluene  
Concen: 49.486 ug/l  
RT: 12.855 min Scan# 1810  
Delta R.T. 0.006 min  
Lab File: VY014663.D  
Acq: 17 Jul 2023 11:00

Tgt Ion: 91 Resp: 619517  
Ion Ratio Lower Upper  
91 100  
126 34.3 17.2 51.6





#83

tert-Butylbenzene

Concen: 49.016 ug/l

RT: 13.075 min Scan# 119

Delta R.T. -0.000 min

Lab File: VY014663.D

Acq: 17 Jul 2023 11:00

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

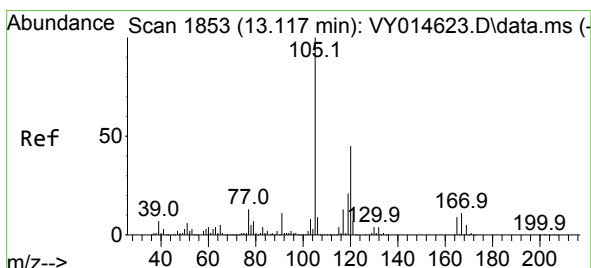
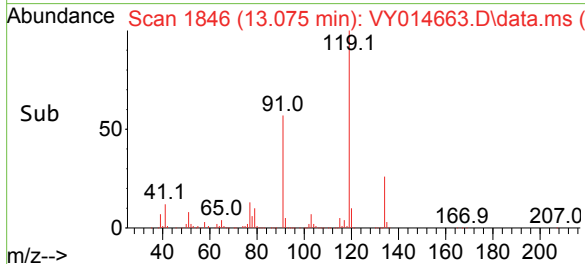
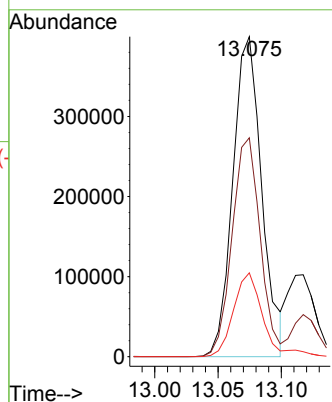
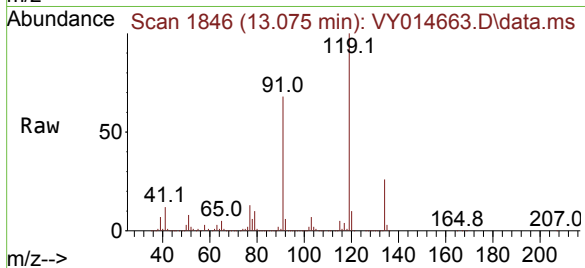
Tgt Ion:119 Resp: 635956

Ion Ratio Lower Upper

119 100

91 66.5 32.9 98.6

134 26.6 13.0 38.9



#84

1,2,4-Trimethylbenzene

Concen: 49.934 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VY014663.D

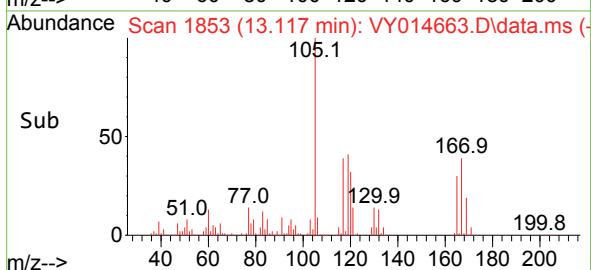
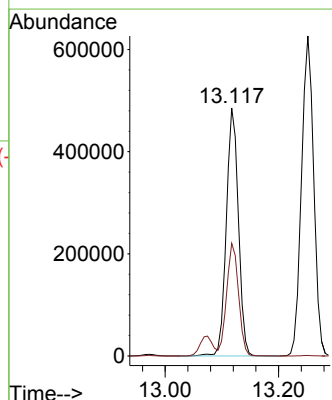
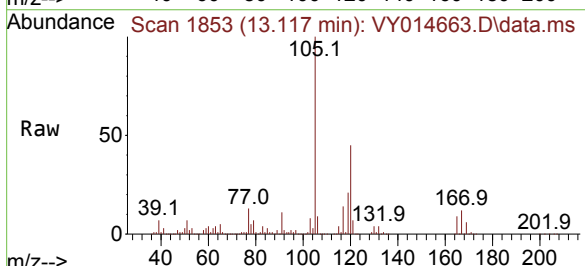
Acq: 17 Jul 2023 11:00

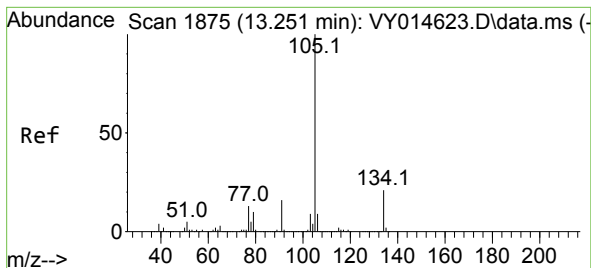
Tgt Ion:105 Resp: 716760

Ion Ratio Lower Upper

105 100

120 44.7 22.2 66.6





#85

sec-Butylbenzene

Concen: 49.120 ug/l

RT: 13.252 min Scan# 1875

Delta R.T. 0.001 min

Lab File: VY014663.D

Acq: 17 Jul 2023 11:00

Instrument :

MSVOA\_Y

ClientSampleId :

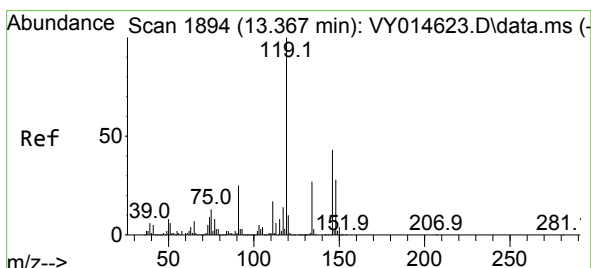
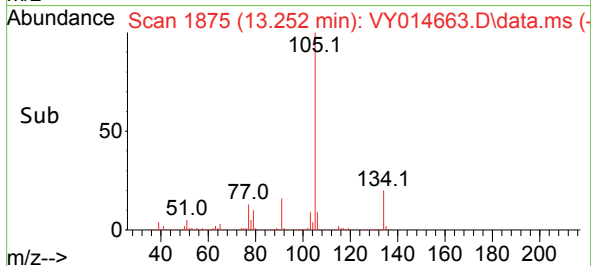
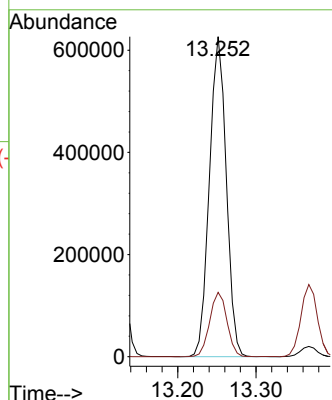
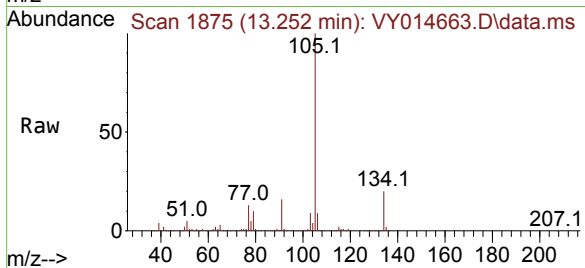
VSTDCCC050

Tgt Ion:105 Resp: 934892

Ion Ratio Lower Upper

105 100

134 20.5 10.2 30.6



#86

p-Isopropyltoluene

Concen: 50.112 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. 0.000 min

Lab File: VY014663.D

Acq: 17 Jul 2023 11:00

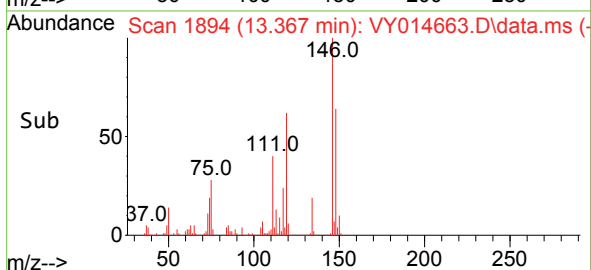
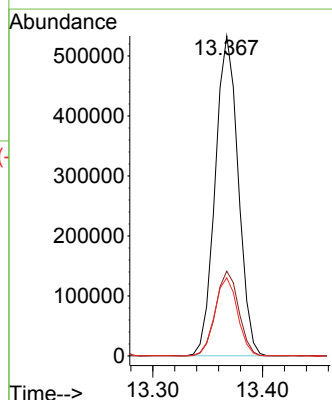
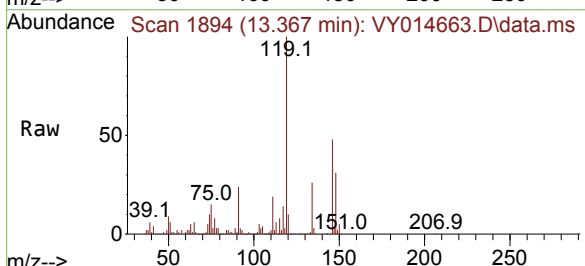
Tgt Ion:119 Resp: 778729

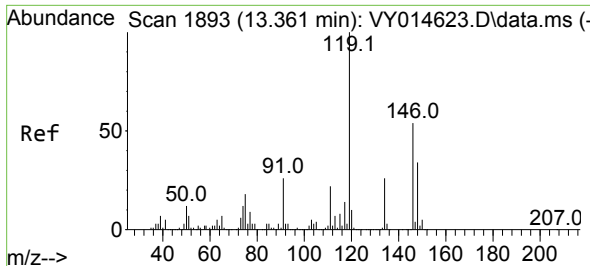
Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.8

91 24.3 12.4 37.4

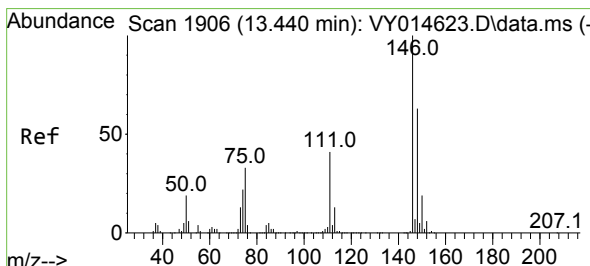
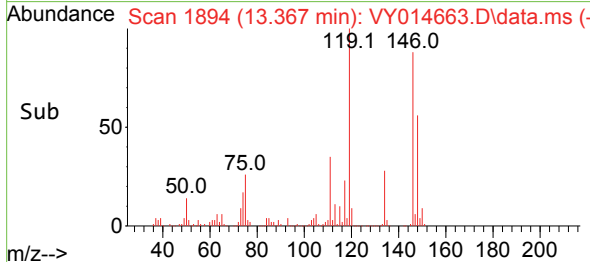
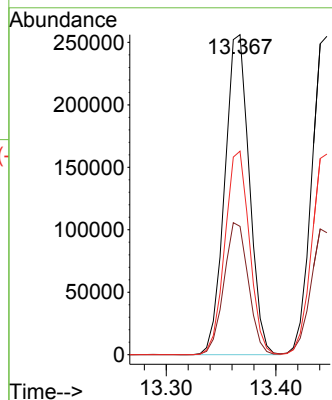
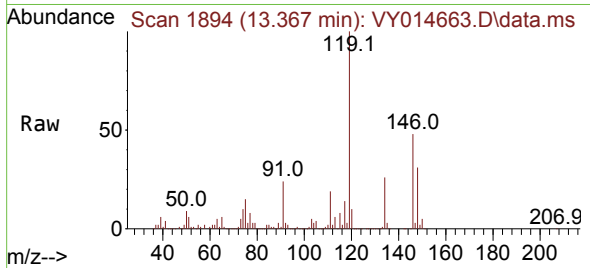




#87  
1,3-Dichlorobenzene  
Concen: 51.214 ug/l  
RT: 13.367 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY014663.D  
Acq: 17 Jul 2023 11:00

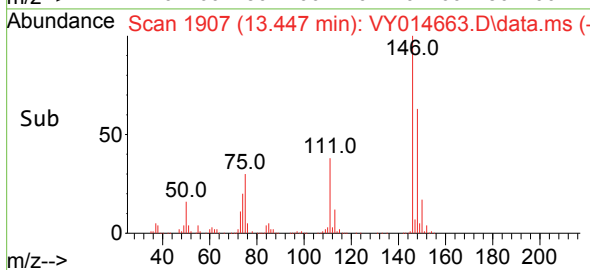
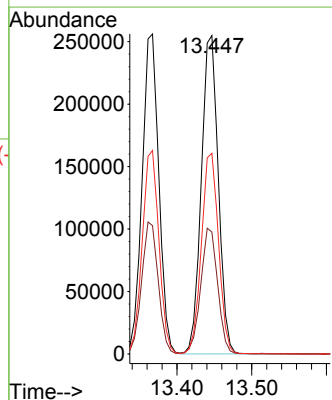
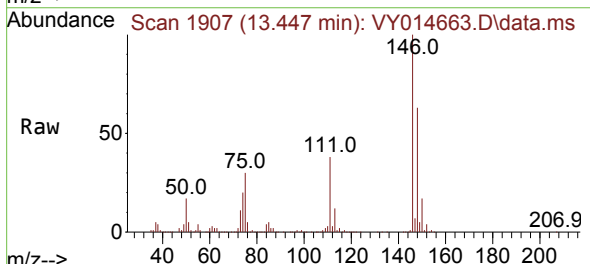
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

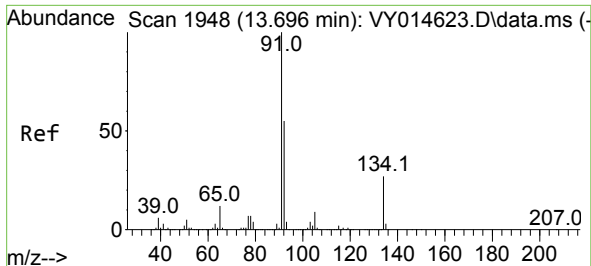
Tgt Ion:146 Resp: 398475  
Ion Ratio Lower Upper  
146 100  
111 41.0 19.4 58.2  
148 63.6 31.9 95.5



#88  
1,4-Dichlorobenzene  
Concen: 51.453 ug/l  
RT: 13.447 min Scan# 1907  
Delta R.T. 0.007 min  
Lab File: VY014663.D  
Acq: 17 Jul 2023 11:00

Tgt Ion:146 Resp: 401170  
Ion Ratio Lower Upper  
146 100  
111 39.5 18.9 56.7  
148 63.8 32.1 96.5





#89

n-Butylbenzene

Concen: 48.849 ug/l

RT: 13.697 min Scan# 1948

Delta R.T. 0.001 min

Lab File: VY014663.D

Acq: 17 Jul 2023 11:00

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

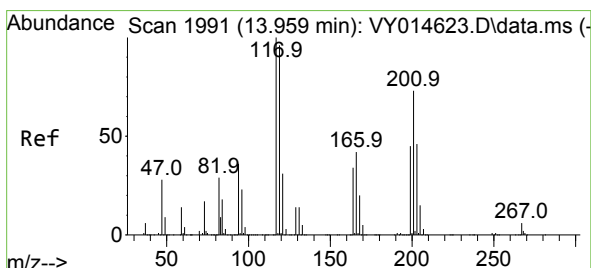
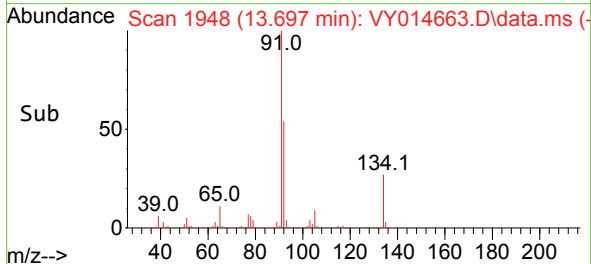
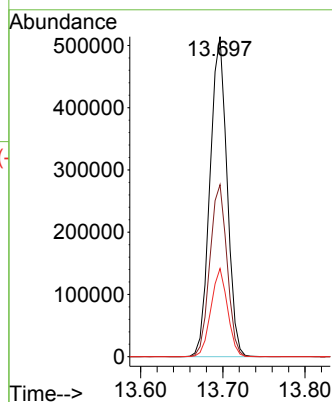
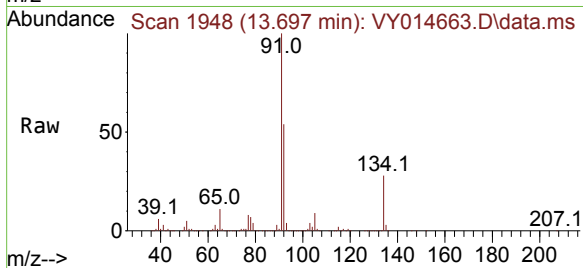
Tgt Ion: 91 Resp: 738527

Ion Ratio Lower Upper

91 100

92 54.2 25.4 76.0

134 26.8 12.6 37.6



#90

Hexachloroethane

Concen: 50.117 ug/l

RT: 13.959 min Scan# 1991

Delta R.T. -0.000 min

Lab File: VY014663.D

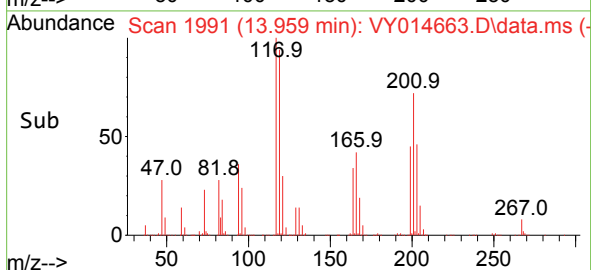
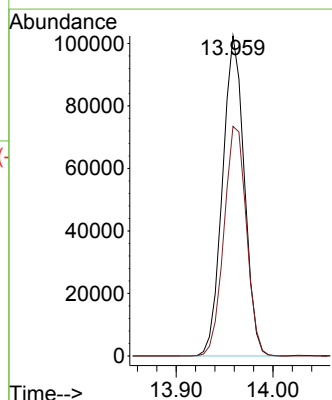
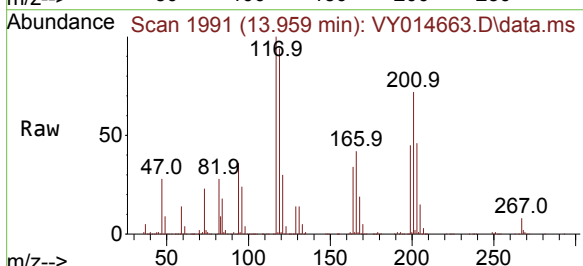
Acq: 17 Jul 2023 11:00

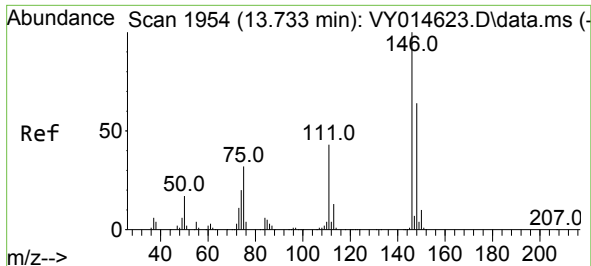
Tgt Ion: 117 Resp: 159966

Ion Ratio Lower Upper

117 100

201 74.2 41.6 124.8





#91

1,2-Dichlorobenzene

Concen: 51.704 ug/l

RT: 13.739 min Scan# 1954

Delta R.T. 0.006 min

Lab File: VY014663.D

Acq: 17 Jul 2023 11:00

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

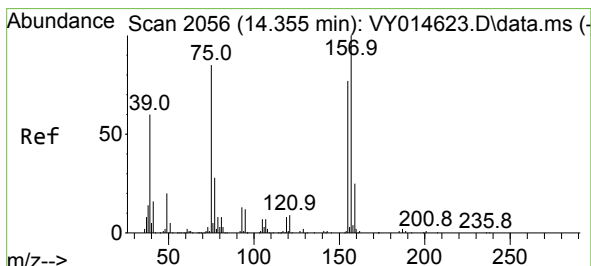
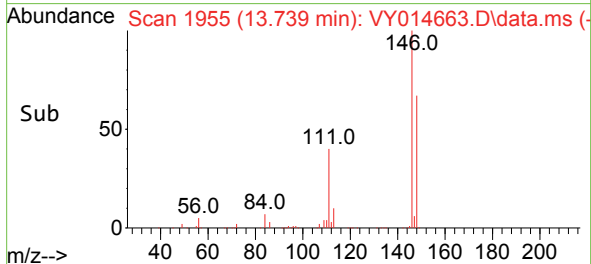
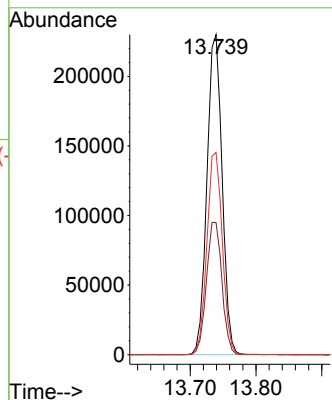
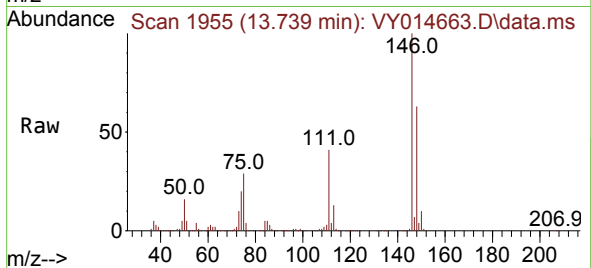
Tgt Ion:146 Resp: 368576

Ion Ratio Lower Upper

146 100

111 42.3 19.7 59.0

148 64.2 32.0 96.2



#92

1,2-Dibromo-3-Chloropropane

Concen: 57.935 ug/l

RT: 14.355 min Scan# 2056

Delta R.T. -0.000 min

Lab File: VY014663.D

Acq: 17 Jul 2023 11:00

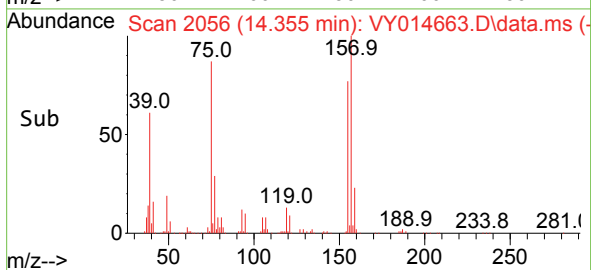
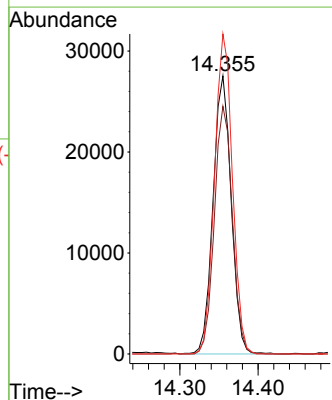
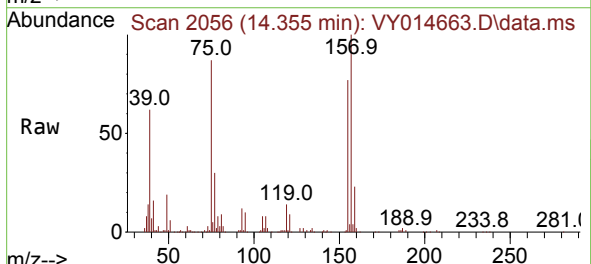
Tgt Ion: 75 Resp: 44250

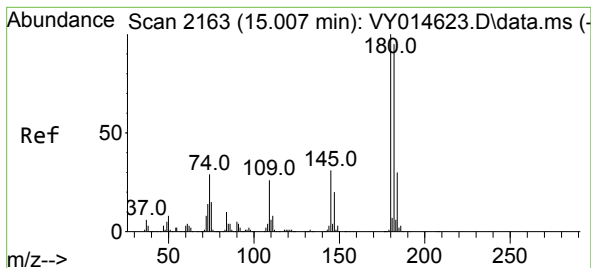
Ion Ratio Lower Upper

75 100

155 88.5 41.5 124.6

157 113.8 51.8 155.5





#93

1,2,4-Trichlorobenzene

Concen: 53.130 ug/l

RT: 15.007 min Scan# 2163

Delta R.T. 0.000 min

Lab File: VY014663.D

Acq: 17 Jul 2023 11:00

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

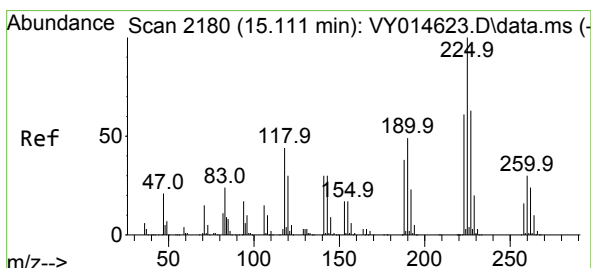
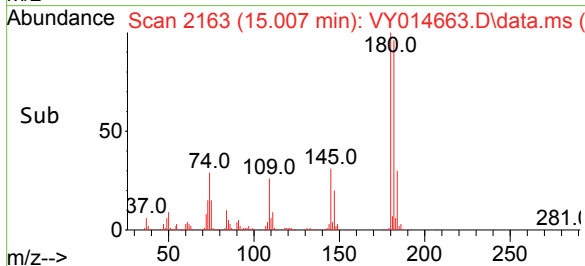
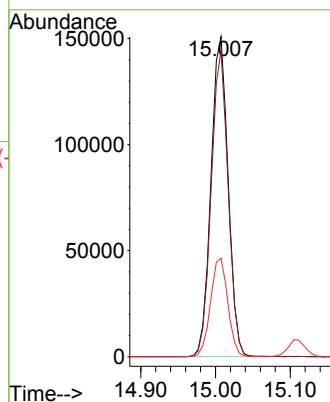
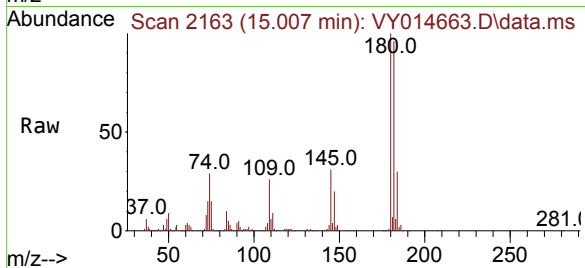
Tgt Ion:180 Resp: 240423

Ion Ratio Lower Upper

180 100

182 93.9 47.0 141.2

145 31.0 14.5 43.5



#94

Hexachlorobutadiene

Concen: 51.389 ug/l

RT: 15.111 min Scan# 2180

Delta R.T. -0.000 min

Lab File: VY014663.D

Acq: 17 Jul 2023 11:00

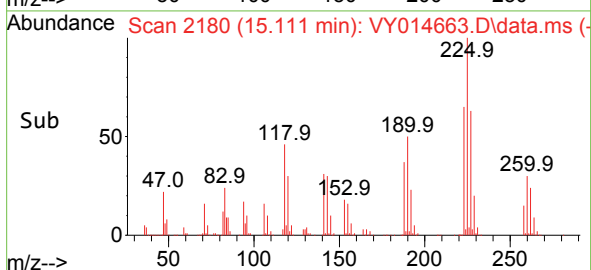
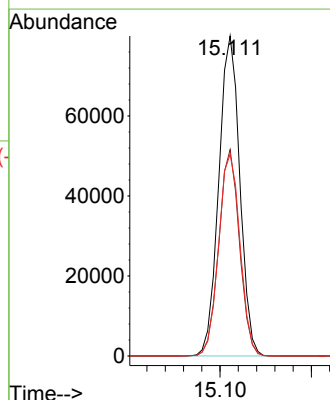
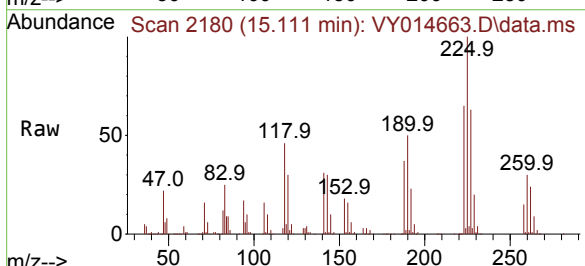
Tgt Ion:225 Resp: 127791

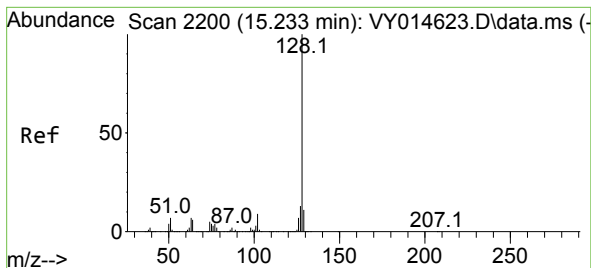
Ion Ratio Lower Upper

225 100

223 63.2 31.9 95.9

227 64.1 33.0 98.9





#95

Naphthalene

Concen: 56.822 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY014663.D

Acq: 17 Jul 2023 11:00

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

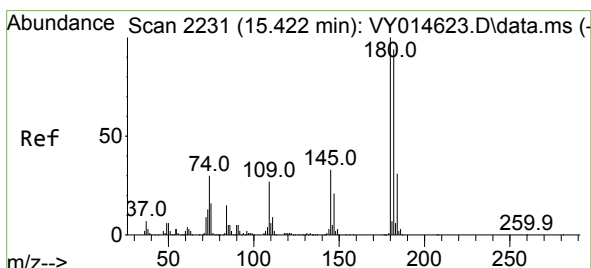
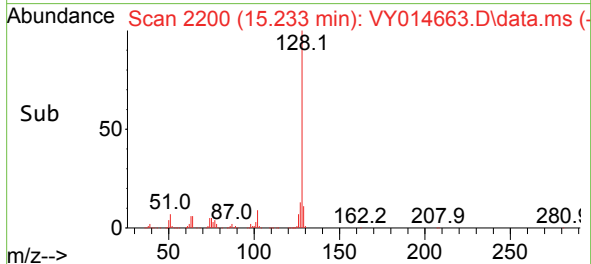
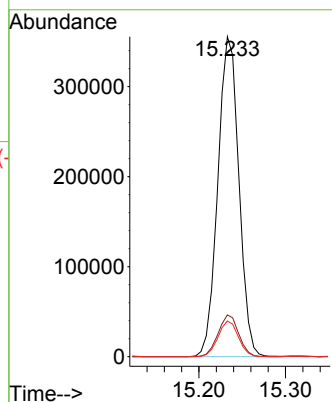
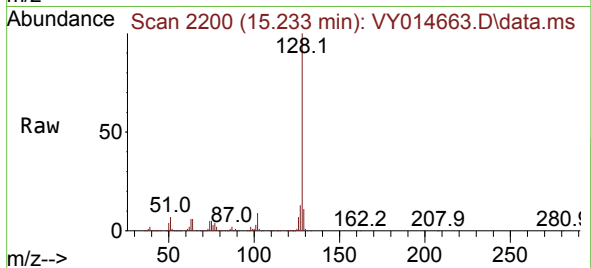
Tgt Ion:128 Resp: 599054

Ion Ratio Lower Upper

128 100

127 12.9 10.8 16.2

129 10.8 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 53.581 ug/l

RT: 15.422 min Scan# 2231

Delta R.T. -0.000 min

Lab File: VY014663.D

Acq: 17 Jul 2023 11:00

Tgt Ion:180 Resp: 215488

Ion Ratio Lower Upper

180 100

182 95.2 47.3 141.8

145 33.6 15.4 46.2

