

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY090623\  
 Data File : VY015456.D  
 Acq On : 06 Sep 2023 18:02  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.02g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: Sep 06 19:01:28 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y082923S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 31 20:01:47 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.783  | 168  | 207991   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.685  | 114  | 335404   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.483 | 117  | 308208   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.422 | 152  | 164941   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.130  | 65    | 99812    | 44.766   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 89.540% |
| 35) Dibromofluoromethane    | 7.710  | 113   | 89154    | 46.149   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 92.300% |
| 50) Toluene-d8              | 10.173 | 98    | 308391   | 44.081   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 88.160% |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 125354   | 48.266   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 96.540% |

|                              |       |     |         |         |        |     |
|------------------------------|-------|-----|---------|---------|--------|-----|
| Target Compounds             |       |     |         | Qvalue  |        |     |
| 2) Dichlorodifluoromethane   | 1.900 | 85  | 80407   | 44.473  | ug/l   | 97  |
| 3) Chloromethane             | 2.107 | 50  | 97731   | 40.702  | ug/l   | 99  |
| 4) Vinyl Chloride            | 2.241 | 62  | 111289  | 39.820  | ug/l   | 96  |
| 5) Bromomethane              | 2.625 | 94  | 83925   | 42.203  | ug/l   | 98  |
| 6) Chloroethane              | 2.778 | 64  | 75893   | 41.313  | ug/l   | 97  |
| 7) Trichlorofluoromethane    | 3.107 | 101 | 169371  | 42.843  | ug/l   | 99  |
| 8) Diethyl Ether             | 3.522 | 74  | 62823   | 46.500  | ug/l   | 87  |
| 9) 1,1,2-Trichlorotrifluo... | 3.881 | 101 | 98413   | 44.915  | ug/l   | 96  |
| 10) Methyl Iodide            | 4.076 | 142 | 101104  | 39.293  | ug/l   | 98  |
| 11) Tert butyl alcohol       | 4.948 | 59  | 108200  | 216.198 | ug/l # | 81  |
| 12) 1,1-Dichloroethene       | 3.851 | 96  | 90668   | 43.852  | ug/l   | 91  |
| 13) Acrolein                 | 3.717 | 56  | 137702  | 223.596 | ug/l   | 99  |
| 14) Allyl chloride           | 4.460 | 41  | 147971  | 44.950  | ug/l   | 97  |
| 15) Acrylonitrile            | 5.149 | 53  | 214216  | 251.976 | ug/l   | 98  |
| 16) Acetone                  | 3.936 | 43  | 186707  | 200.623 | ug/l   | 96  |
| 17) Carbon Disulfide         | 4.180 | 76  | 240466  | 38.903  | ug/l   | 99  |
| 18) Methyl Acetate           | 4.466 | 43  | 174730  | 51.836  | ug/l   | 92  |
| 19) Methyl tert-butyl Ether  | 5.210 | 73  | 320146  | 47.641  | ug/l   | 100 |
| 20) Methylene Chloride       | 4.698 | 84  | 117624  | 37.465  | ug/l   | 92  |
| 21) trans-1,2-Dichloroethene | 5.198 | 96  | 103096  | 43.302  | ug/l   | 95  |
| 22) Diisopropyl ether        | 6.106 | 45  | 326269  | 45.317  | ug/l   | 92  |
| 23) Vinyl Acetate            | 6.045 | 43  | 1047867 | 230.518 | ug/l # | 94  |
| 24) 1,1-Dichloroethane       | 6.003 | 63  | 183333  | 44.050  | ug/l   | 98  |
| 25) 2-Butanone               | 6.972 | 43  | 315998  | 239.401 | ug/l   | 97  |
| 26) 2,2-Dichloropropane      | 6.972 | 77  | 157476  | 44.549  | ug/l   | 100 |
| 27) cis-1,2-Dichloroethene   | 6.972 | 96  | 121636  | 45.034  | ug/l   | 95  |
| 28) Bromochloromethane       | 7.320 | 49  | 56847   | 44.541  | ug/l   | 93  |
| 29) Tetrahydrofuran          | 7.338 | 42  | 209308  | 252.514 | ug/l   | 92  |
| 30) Chloroform               | 7.496 | 83  | 198167  | 45.294  | ug/l   | 99  |
| 31) Cyclohexane              | 7.771 | 56  | 158816  | 40.099  | ug/l   | 94  |
| 32) 1,1,1-Trichloroethane    | 7.691 | 97  | 177320  | 45.375  | ug/l   | 99  |
| 36) 1,1-Dichloropropene      | 7.905 | 75  | 146250  | 43.115  | ug/l   | 98  |
| 37) Ethyl Acetate            | 7.064 | 43  | 127150  | 48.602  | ug/l # | 95  |
| 38) Carbon Tetrachloride     | 7.887 | 117 | 157641  | 44.996  | ug/l   | 97  |
| 39) Methylcyclohexane        | 9.173 | 83  | 182135  | 42.649  | ug/l   | 93  |
| 40) Benzene                  | 8.149 | 78  | 420218  | 44.402  | ug/l   | 99  |

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 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
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 VSTDCCC050EC

Quant Time: Sep 06 19:01:28 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y082923S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 31 20:01:47 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.338  | 41   | 183659   | 149.703  | ug/l # | 29       |
| 42) 1,2-Dichloroethane        | 8.228  | 62   | 143382   | 45.434   | ug/l   | 95       |
| 43) Isopropyl Acetate         | 8.265  | 43   | 223071   | 49.309   | ug/l   | 97       |
| 44) Trichloroethene           | 8.929  | 130  | 120868   | 45.139   | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 9.210  | 63   | 106977   | 44.840   | ug/l   | 99       |
| 46) Dibromomethane            | 9.301  | 93   | 72710    | 45.880   | ug/l   | 97       |
| 47) Bromodichloromethane      | 9.490  | 83   | 156964   | 46.315   | ug/l   | 97       |
| 48) Methyl methacrylate       | 9.289  | 41   | 99662    | 48.015   | ug/l   | 93       |
| 49) 1,4-Dioxane               | 9.289  | 88   | 32819    | 1114.914 | ug/l # | 54       |
| 51) 4-Methyl-2-Pentanone      | 10.063 | 43   | 669806   | 254.736  | ug/l   | 94       |
| 52) Toluene                   | 10.240 | 92   | 274499   | 45.253   | ug/l   | 95       |
| 53) t-1,3-Dichloropropene     | 10.459 | 75   | 170015   | 47.204   | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 9.923  | 75   | 182308   | 46.531   | ug/l   | 93       |
| 55) 1,1,2-Trichloroethane     | 10.636 | 97   | 101358   | 47.467   | ug/l   | 96       |
| 56) Ethyl methacrylate        | 10.502 | 69   | 156869   | 49.574   | ug/l   | 90       |
| 57) 1,3-Dichloropropane       | 10.782 | 76   | 171906   | 46.768   | ug/l   | 97       |
| 58) 2-Chloroethyl Vinyl ether | 9.776  | 63   | 270454   | 239.454  | ug/l   | 93       |
| 59) 2-Hexanone                | 10.825 | 43   | 502003   | 254.439  | ug/l   | 91       |
| 60) Dibromochloromethane      | 10.977 | 129  | 120928   | 48.385   | ug/l   | 97       |
| 61) 1,2-Dibromoethane         | 11.081 | 107  | 104282   | 48.196   | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.715 | 164  | 136890   | 48.933   | ug/l   | 97       |
| 65) Chlorobenzene             | 11.508 | 112  | 300232   | 45.205   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.587 | 131  | 114645   | 47.162   | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.587 | 91   | 553373   | 46.402   | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.697 | 106  | 419132   | 90.670   | ug/l   | 96       |
| 69) o-Xylene                  | 12.026 | 106  | 207640   | 47.001   | ug/l   | 97       |
| 70) Styrene                   | 12.038 | 104  | 349017   | 46.986   | ug/l   | 98       |
| 71) Bromoform                 | 12.203 | 173  | 86235    | 50.855   | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.325 | 105  | 546035   | 44.073   | ug/l   | 99       |
| 74) N-amyl acetate            | 12.136 | 43   | 197169   | 47.370   | ug/l   | 91       |
| 75) 1,1,2,2-Tetrachloroethane | 12.575 | 83   | 135770   | 45.906   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.630 | 75   | 183963   | 84.105   | ug/l # | 100      |
| 77) Bromobenzene              | 12.605 | 156  | 132072   | 45.009   | ug/l   | 97       |
| 78) n-propylbenzene           | 12.666 | 91   | 650537   | 43.394   | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.752 | 91   | 366630   | 43.603   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 12.806 | 105  | 467484   | 45.112   | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.374 | 75   | 52003    | 52.445   | ug/l   | 92       |
| 82) 4-Chlorotoluene           | 12.849 | 91   | 382429   | 43.762   | ug/l   | 98       |
| 83) tert-Butylbenzene         | 13.069 | 119  | 416092   | 45.843   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.117 | 105  | 469411   | 45.622   | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.251 | 105  | 609993   | 45.058   | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.367 | 119  | 510779   | 45.017   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.361 | 146  | 260983   | 45.052   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.440 | 146  | 261335   | 44.628   | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.690 | 91   | 490363   | 45.917   | ug/l   | 96       |
| 90) Hexachloroethane          | 13.959 | 117  | 92343    | 45.505   | ug/l   | 90       |
| 91) 1,2-Dichlorobenzene       | 13.733 | 146  | 242076   | 45.790   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.349 | 75   | 30093    | 51.436   | ug/l   | 92       |
| 93) 1,2,4-Trichlorobenzene    | 15.001 | 180  | 157929   | 47.569   | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.111 | 225  | 86162    | 47.594   | ug/l   | 97       |
| 95) Naphthalene               | 15.233 | 128  | 695559   | 84.575   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.422 | 180  | 147786   | 48.801   | ug/l   | 99       |

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Quant Title : SW846 8260  
QLast Update : Thu Aug 31 20:01:47 2023  
Response via : Initial Calibration

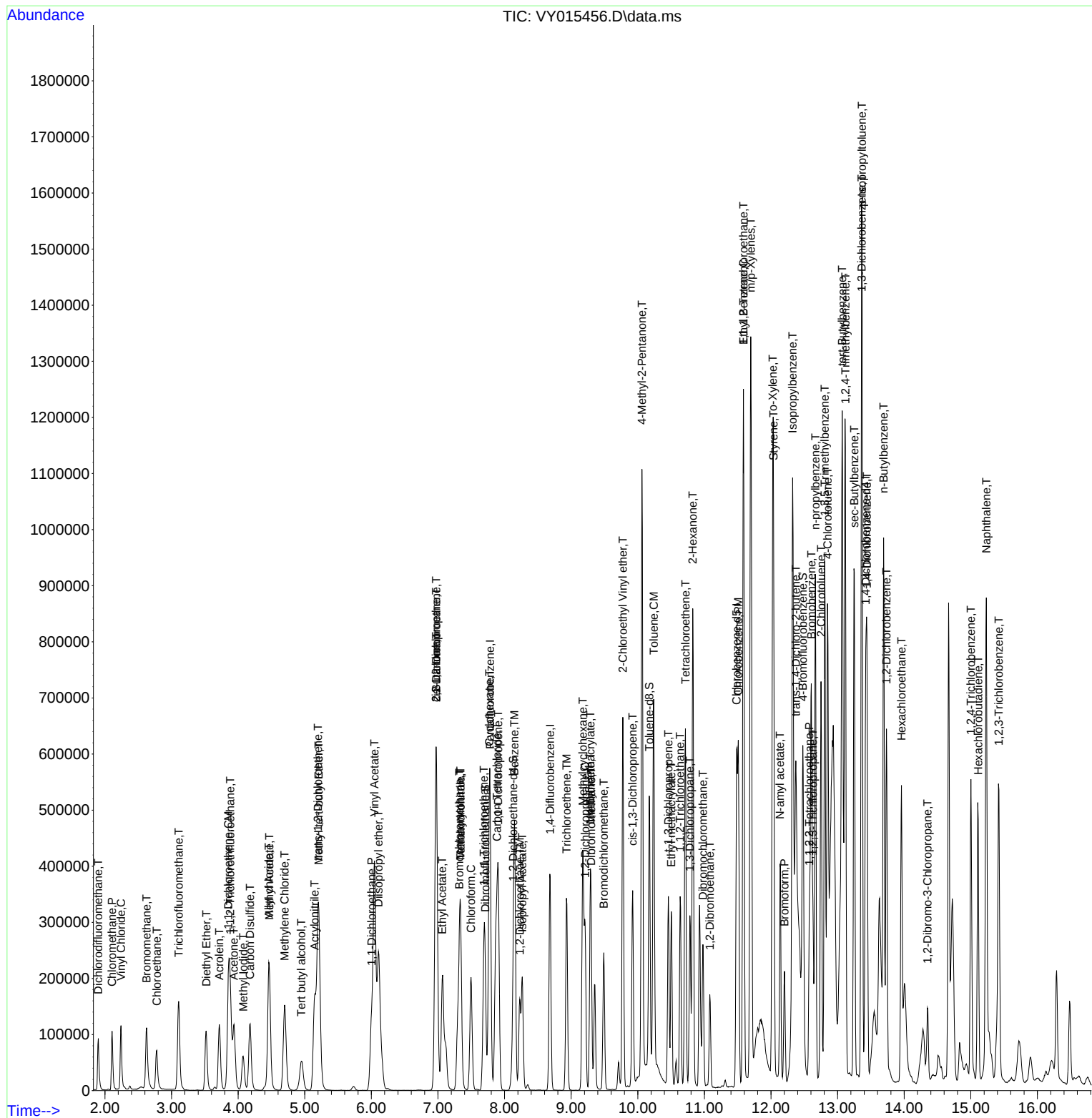
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

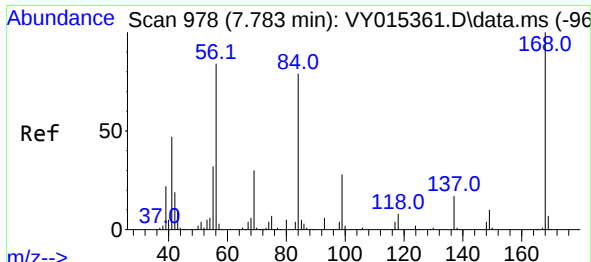
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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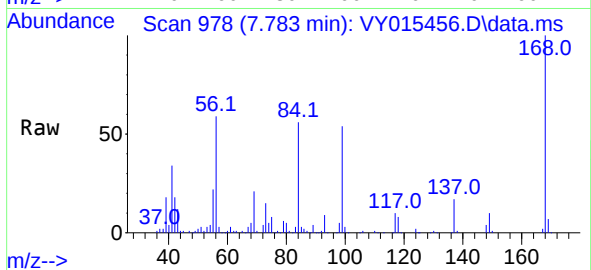
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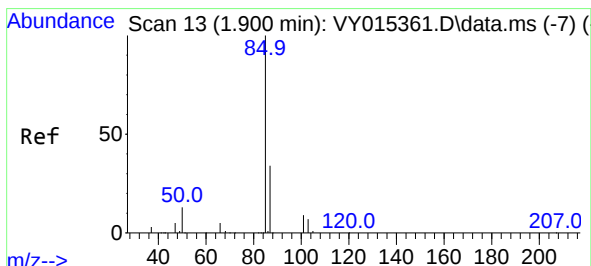
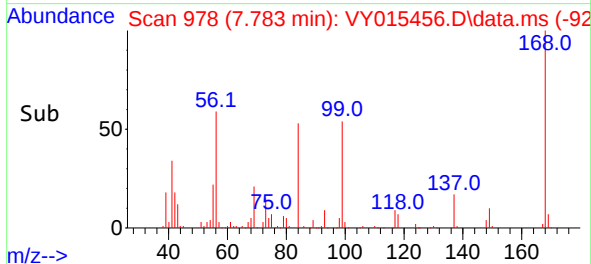
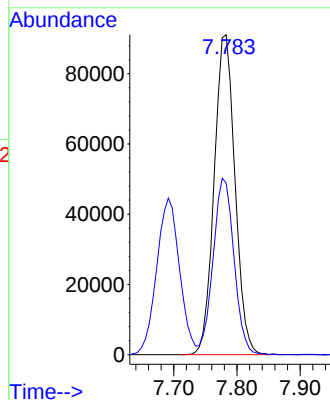


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY015456.D  
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VSTDCCC050EC

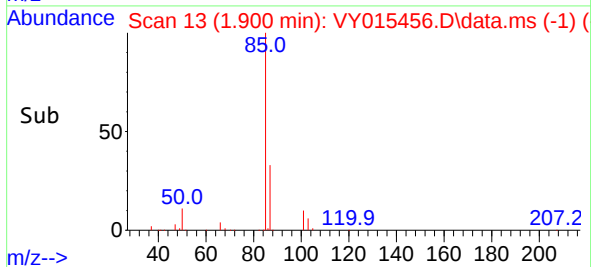
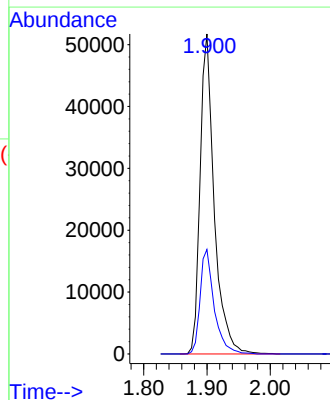
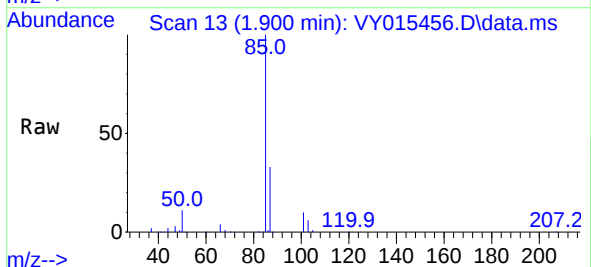


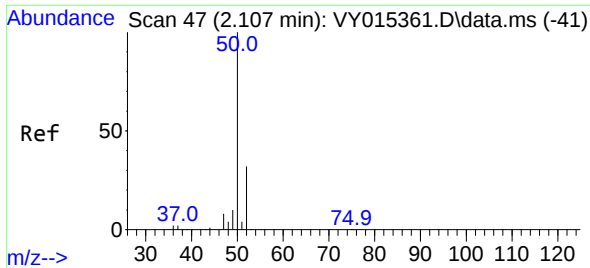
Tgt Ion:168 Resp: 207991  
Ion Ratio Lower Upper  
168 100  
99 53.8 43.4 65.0



#2  
Dichlorodifluoromethane  
Concen: 44.473 ug/l  
RT: 1.900 min Scan# 13  
Delta R.T. 0.000 min  
Lab File: VY015456.D  
Acq: 06 Sep 2023 18:02

Tgt Ion: 85 Resp: 80407  
Ion Ratio Lower Upper  
85 100  
87 32.7 15.6 46.8

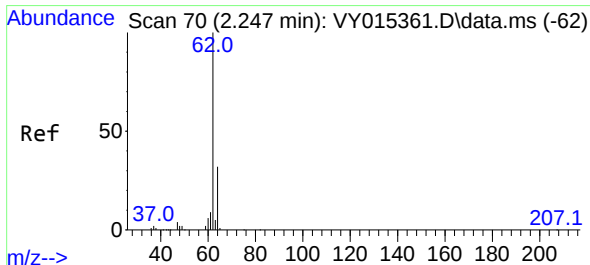
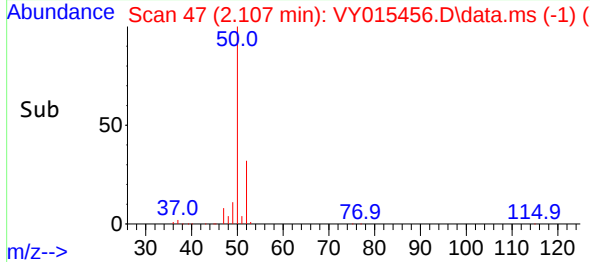
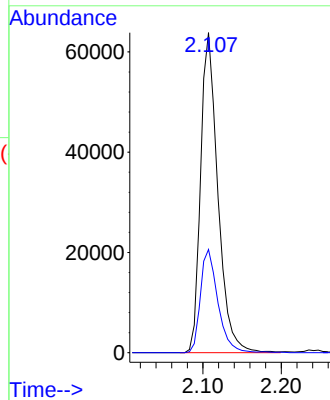
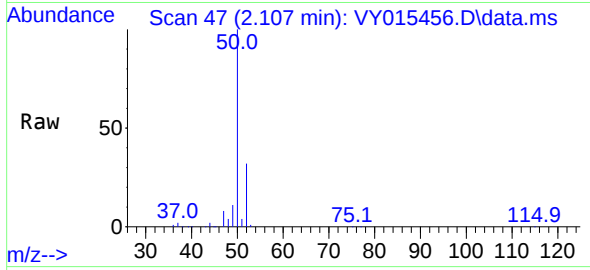




#3  
Chloromethane  
Concen: 40.702 ug/l  
RT: 2.107 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VY015456.D  
Acq: 06 Sep 2023 18:02

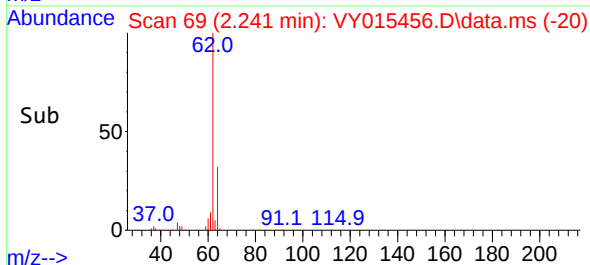
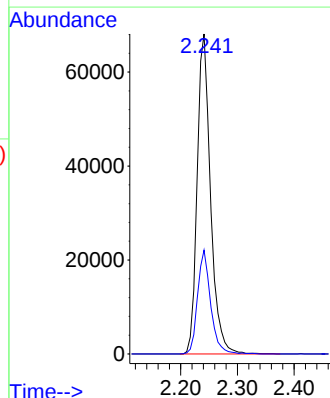
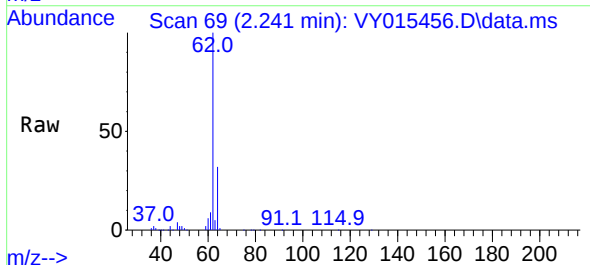
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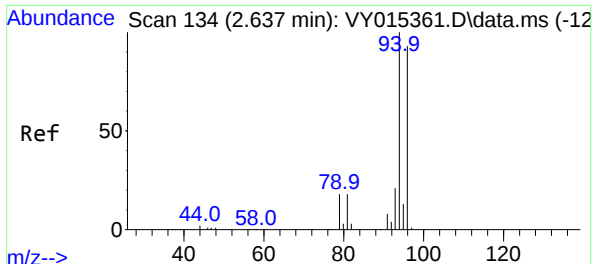
Tgt Ion: 50 Resp: 97731  
Ion Ratio Lower Upper  
50 100  
52 32.2 25.4 38.2



#4  
Vinyl Chloride  
Concen: 39.820 ug/l  
RT: 2.241 min Scan# 69  
Delta R.T. 0.000 min  
Lab File: VY015456.D  
Acq: 06 Sep 2023 18:02

Tgt Ion: 62 Resp: 111289  
Ion Ratio Lower Upper  
62 100  
64 32.5 24.3 36.5

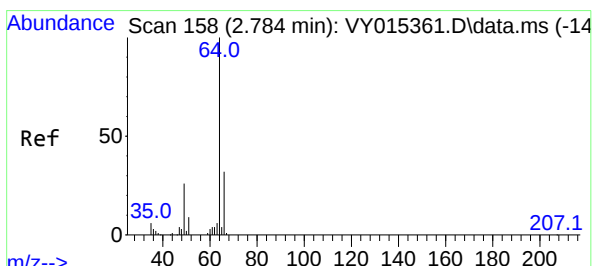
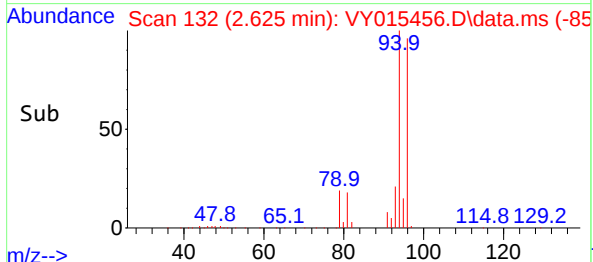
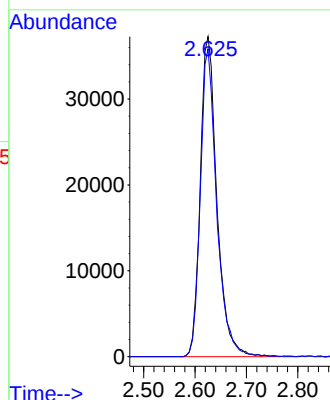
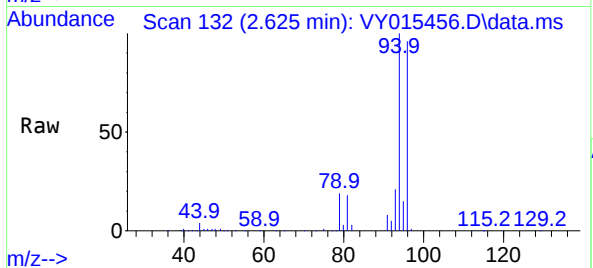




#5  
Bromomethane  
Concen: 42.203 ug/l  
RT: 2.625 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: VY015456.D  
Acq: 06 Sep 2023 18:02

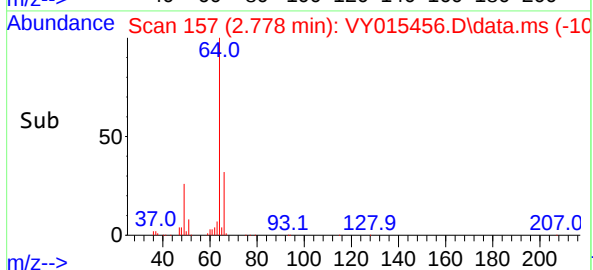
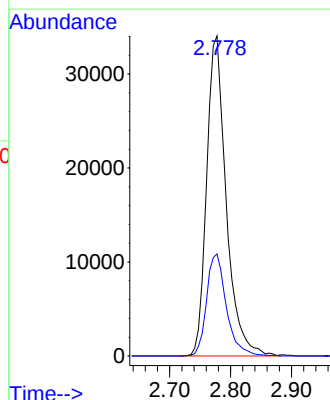
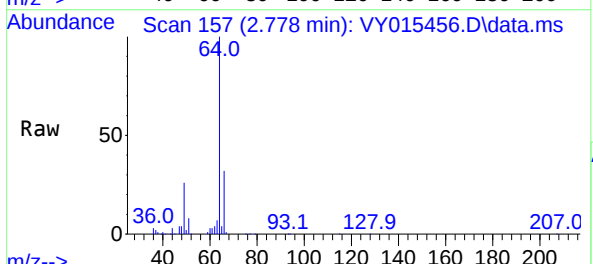
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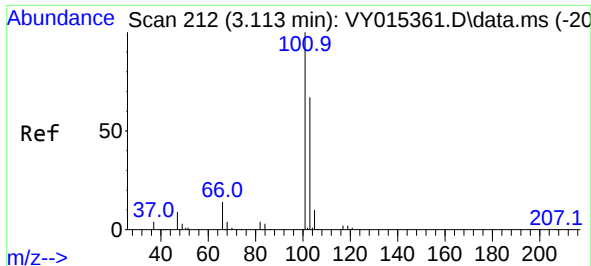
Tgt Ion: 94 Resp: 83925  
Ion Ratio Lower Upper  
94 100  
96 96.2 75.8 113.6



#6  
Chloroethane  
Concen: 41.313 ug/l  
RT: 2.778 min Scan# 157  
Delta R.T. -0.006 min  
Lab File: VY015456.D  
Acq: 06 Sep 2023 18:02

Tgt Ion: 64 Resp: 75893  
Ion Ratio Lower Upper  
64 100  
66 31.9 24.4 36.6

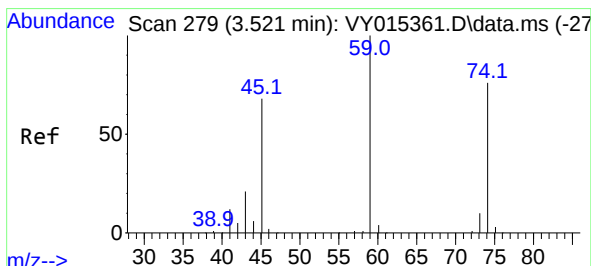
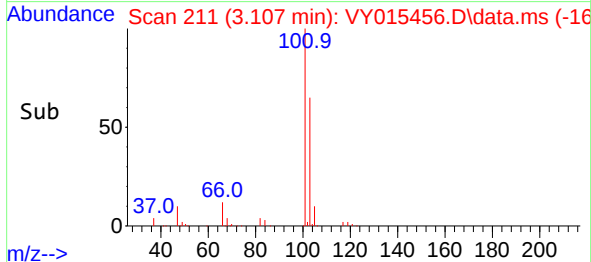
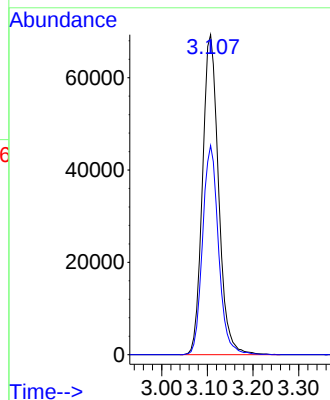
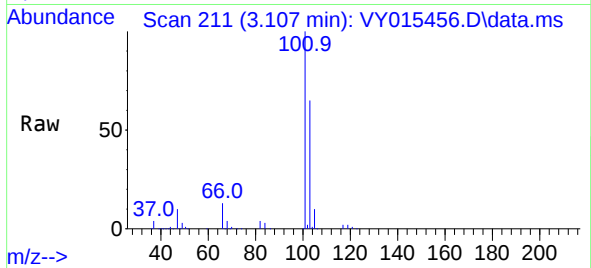




#7  
 Trichlorofluoromethane  
 Concen: 42.843 ug/l  
 RT: 3.107 min Scan# 211  
 Delta R.T. -0.006 min  
 Lab File: VY015456.D  
 Acq: 06 Sep 2023 18:02

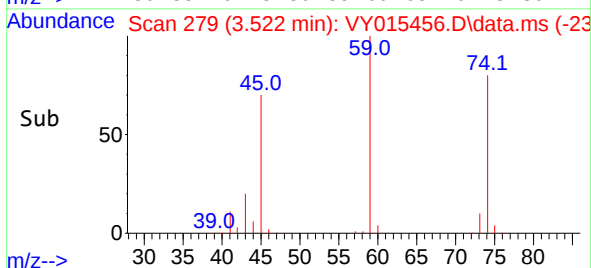
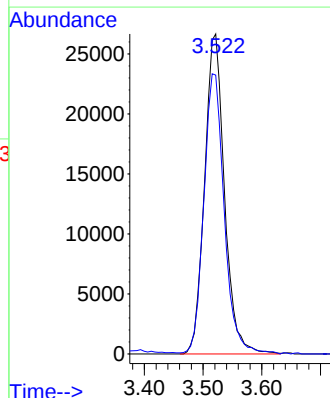
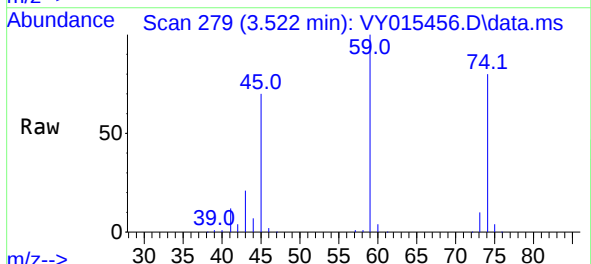
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

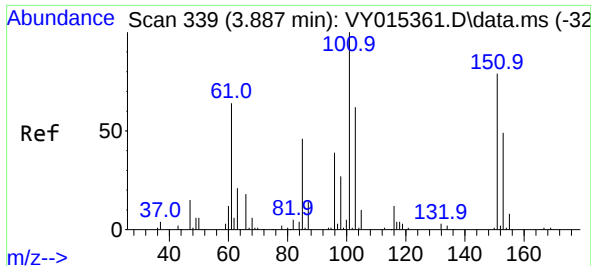
Tgt Ion:101 Resp: 169371  
 Ion Ratio Lower Upper  
 101 100  
 103 65.3 51.4 77.0



#8  
 Diethyl Ether  
 Concen: 46.500 ug/l  
 RT: 3.522 min Scan# 279  
 Delta R.T. 0.000 min  
 Lab File: VY015456.D  
 Acq: 06 Sep 2023 18:02

Tgt Ion: 74 Resp: 62823  
 Ion Ratio Lower Upper  
 74 100  
 45 90.0 51.5 154.5

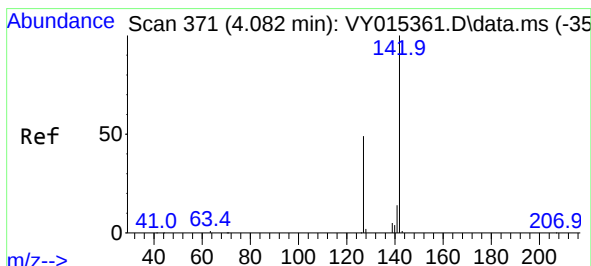
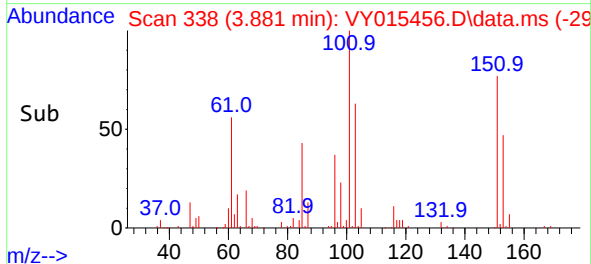
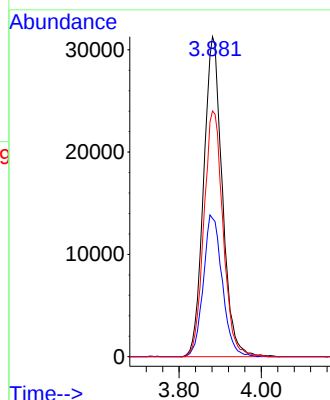
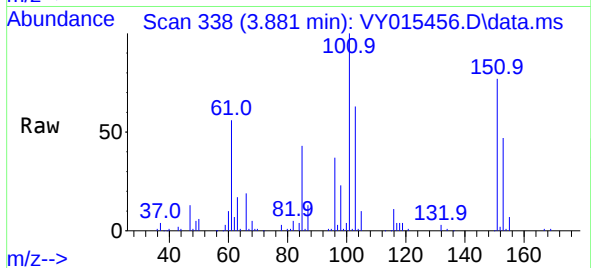




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 44.915 ug/l  
RT: 3.881 min Scan# 31  
Delta R.T. -0.012 min  
Lab File: VY015456.D  
Acq: 06 Sep 2023 18:02

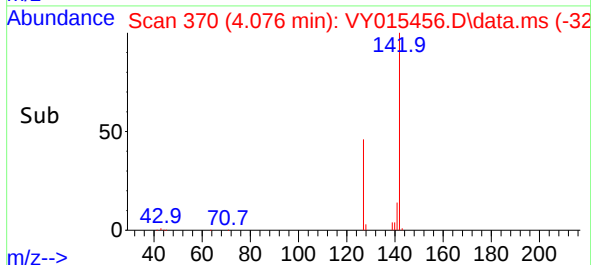
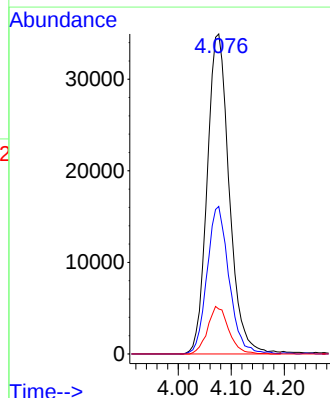
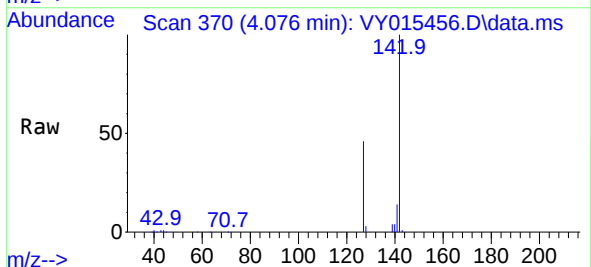
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

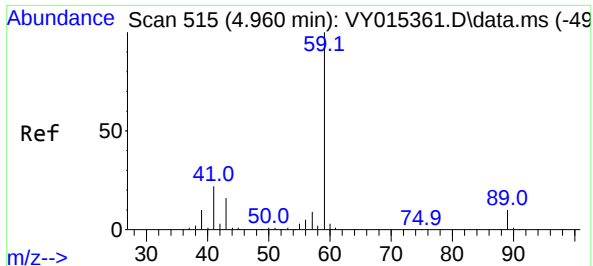
Tgt Ion:101 Resp: 98413  
Ion Ratio Lower Upper  
101 100  
85 44.8 36.6 55.0  
151 78.8 67.0 100.6



#10  
Methyl Iodide  
Concen: 39.293 ug/l  
RT: 4.076 min Scan# 370  
Delta R.T. -0.006 min  
Lab File: VY015456.D  
Acq: 06 Sep 2023 18:02

Tgt Ion:142 Resp: 101104  
Ion Ratio Lower Upper  
142 100  
127 46.0 37.6 56.4  
141 14.1 11.8 17.8

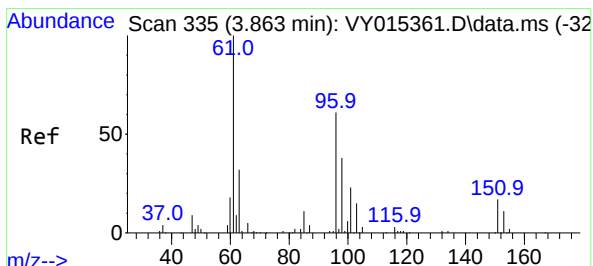
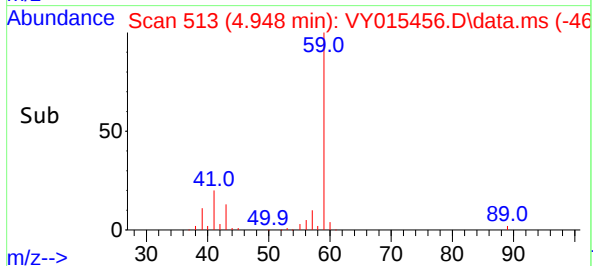
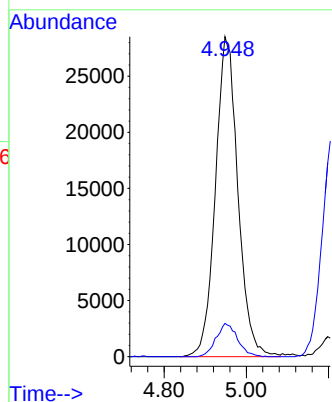
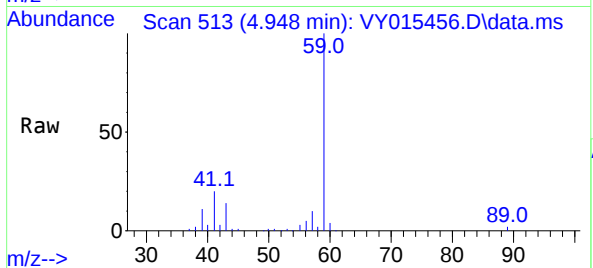




#11  
Tert butyl alcohol  
Concen: 216.198 ug/l  
RT: 4.948 min Scan# 515  
Delta R.T. -0.006 min  
Lab File: VY015456.D  
Acq: 06 Sep 2023 18:02

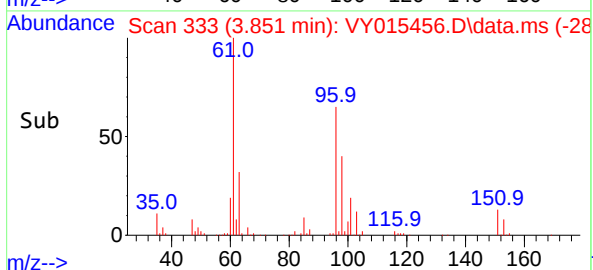
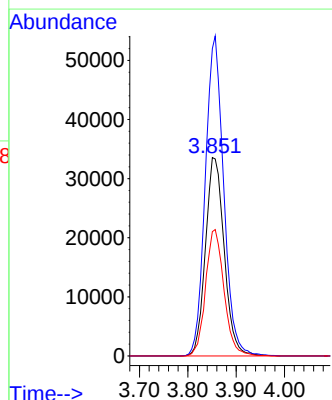
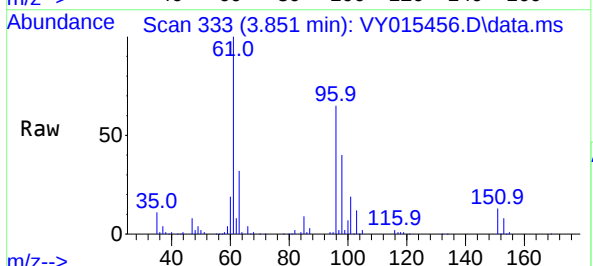
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

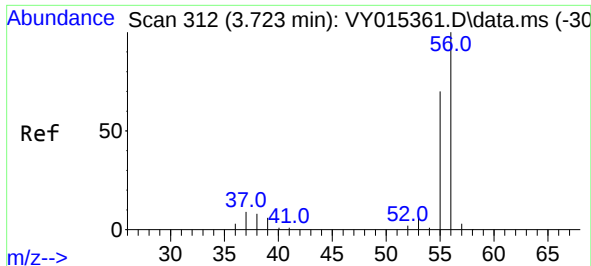
Tgt Ion: 59 Resp: 108200  
Ion Ratio Lower Upper  
59 100  
57 9.9 3.0 4.4#



#12  
1,1-Dichloroethene  
Concen: 43.852 ug/l  
RT: 3.851 min Scan# 333  
Delta R.T. -0.012 min  
Lab File: VY015456.D  
Acq: 06 Sep 2023 18:02

Tgt Ion: 96 Resp: 90668  
Ion Ratio Lower Upper  
96 100  
61 154.9 136.4 204.6  
98 62.6 49.4 74.2

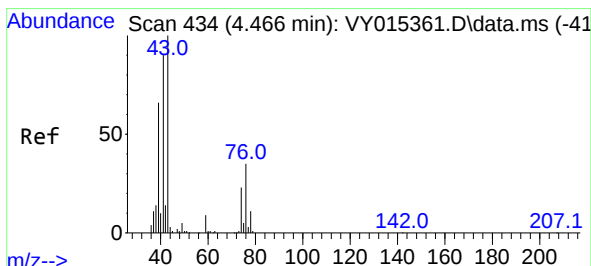
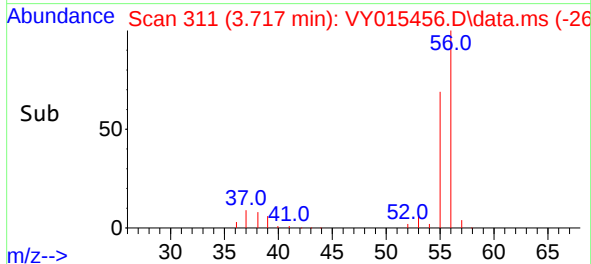
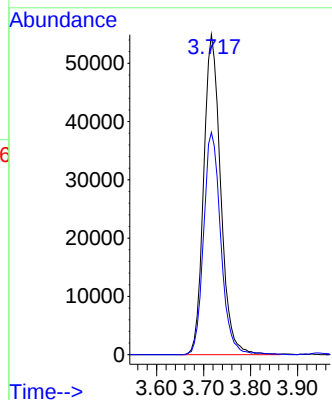
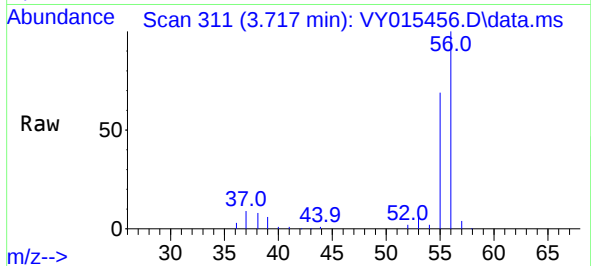




#13  
Acrolein  
Concen: 223.596 ug/l  
RT: 3.717 min Scan# 311  
Delta R.T. -0.006 min  
Lab File: VY015456.D  
Acq: 06 Sep 2023 18:02

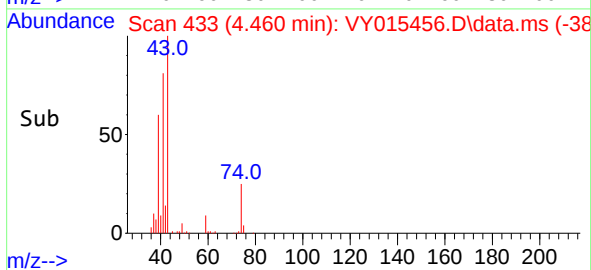
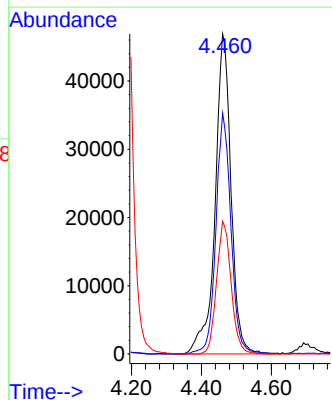
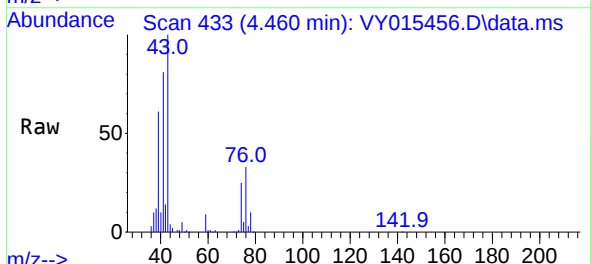
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

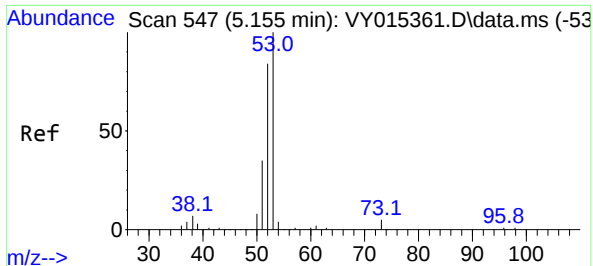
Tgt Ion: 56 Resp: 137702  
Ion Ratio Lower Upper  
56 100  
55 70.4 57.0 85.4



#14  
Allyl chloride  
Concen: 44.950 ug/l  
RT: 4.460 min Scan# 433  
Delta R.T. -0.012 min  
Lab File: VY015456.D  
Acq: 06 Sep 2023 18:02

Tgt Ion: 41 Resp: 147971  
Ion Ratio Lower Upper  
41 100  
39 70.9 58.0 87.0  
76 37.9 27.4 41.2

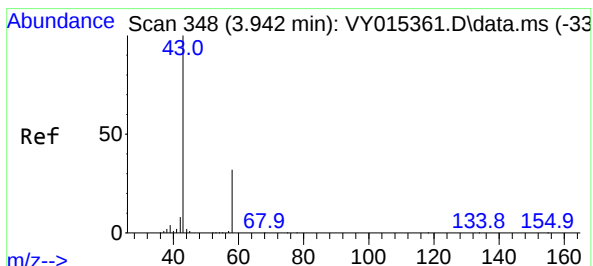
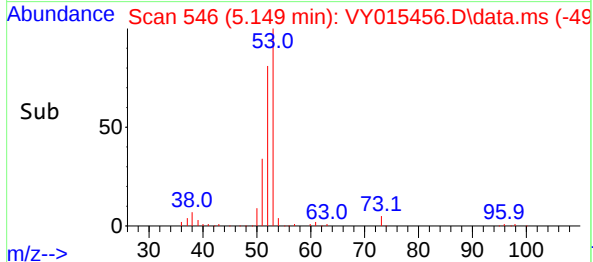
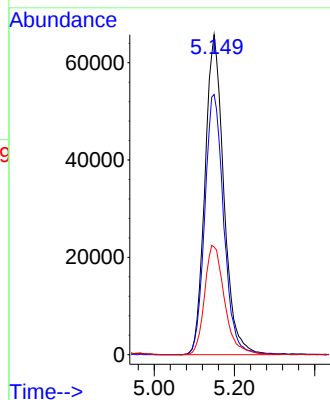
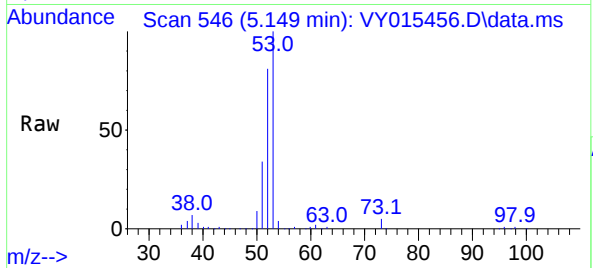




#15  
Acrylonitrile  
Concen: 251.976 ug/l  
RT: 5.149 min Scan# 54  
Delta R.T. -0.012 min  
Lab File: VY015456.D  
Acq: 06 Sep 2023 18:02

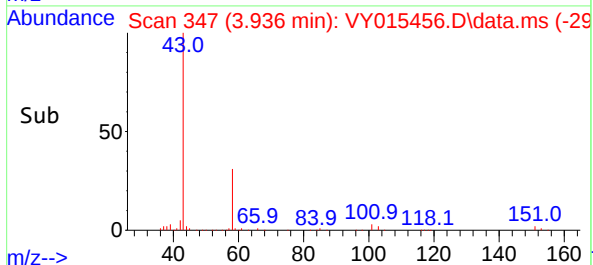
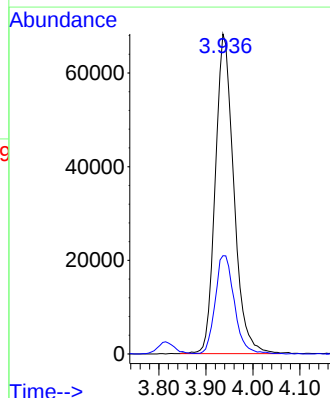
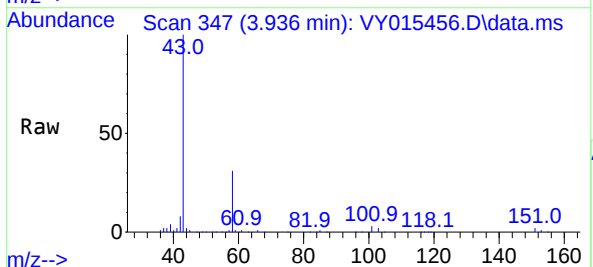
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

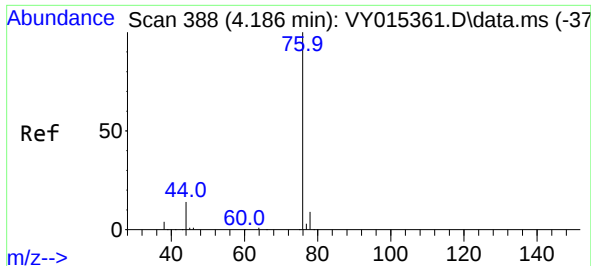
Tgt Ion: 53 Resp: 214216  
Ion Ratio Lower Upper  
53 100  
52 81.9 66.9 100.3  
51 36.2 29.8 44.6



#16  
Acetone  
Concen: 200.623 ug/l  
RT: 3.936 min Scan# 347  
Delta R.T. -0.006 min  
Lab File: VY015456.D  
Acq: 06 Sep 2023 18:02

Tgt Ion: 43 Resp: 186707  
Ion Ratio Lower Upper  
43 100  
58 30.6 22.7 34.1

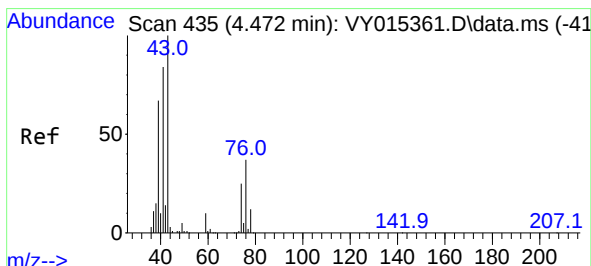
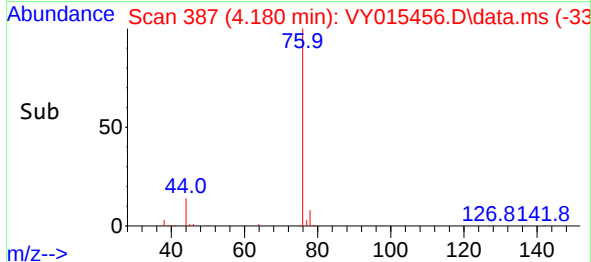
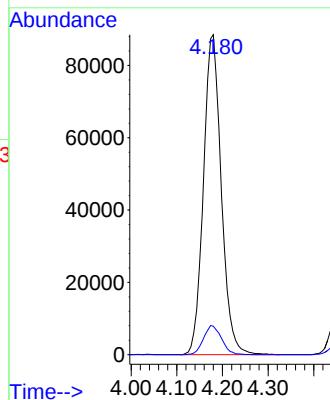
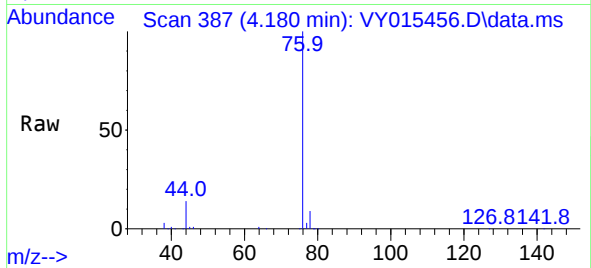




#17  
Carbon Disulfide  
Concen: 38.903 ug/l  
RT: 4.180 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: VY015456.D  
Acq: 06 Sep 2023 18:02

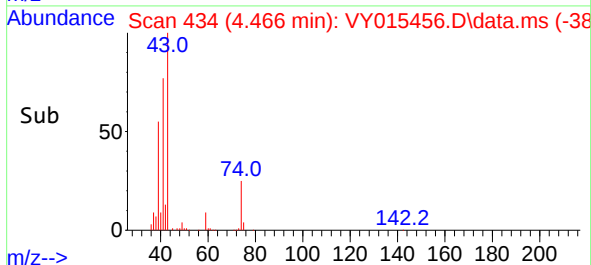
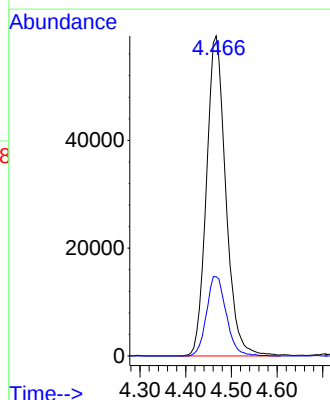
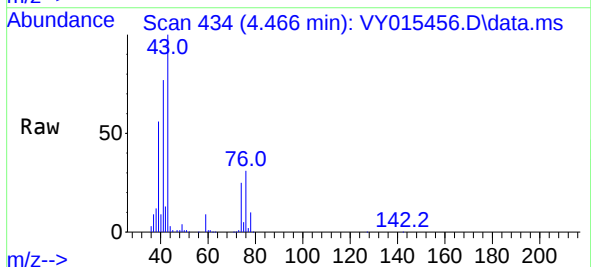
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

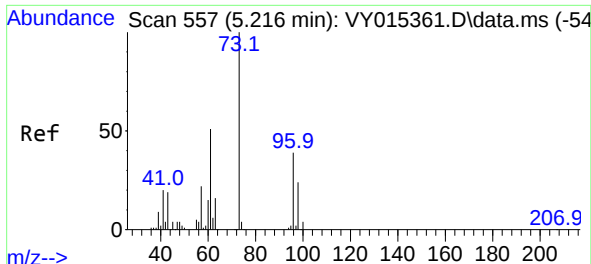
Tgt Ion: 76 Resp: 240466  
Ion Ratio Lower Upper  
76 100  
78 8.9 7.0 10.4



#18  
Methyl Acetate  
Concen: 51.836 ug/l  
RT: 4.466 min Scan# 434  
Delta R.T. -0.006 min  
Lab File: VY015456.D  
Acq: 06 Sep 2023 18:02

Tgt Ion: 43 Resp: 174730  
Ion Ratio Lower Upper  
43 100  
74 25.3 17.4 26.0

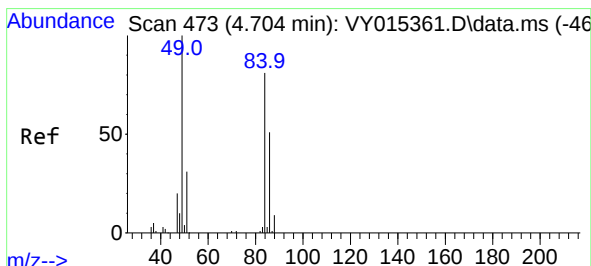
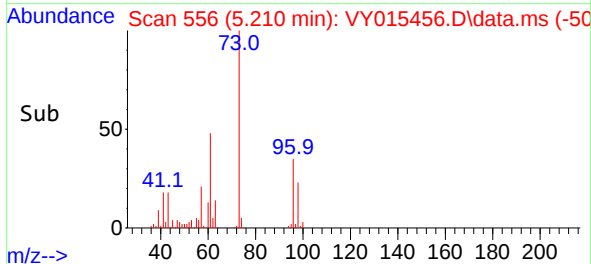
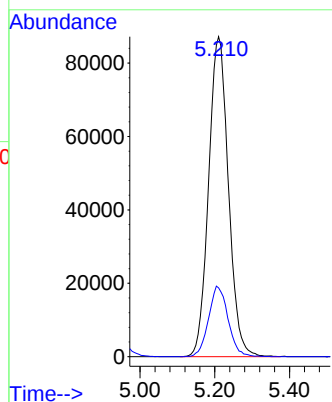
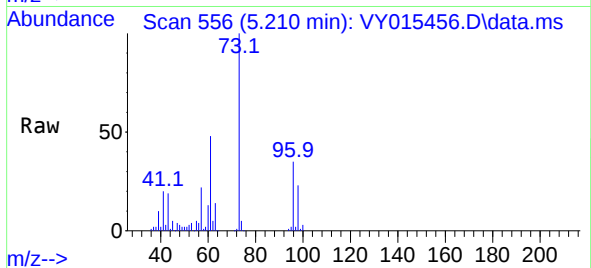




#19  
Methyl tert-butyl Ether  
Concen: 47.641 ug/l  
RT: 5.210 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: VY015456.D  
Acq: 06 Sep 2023 18:02

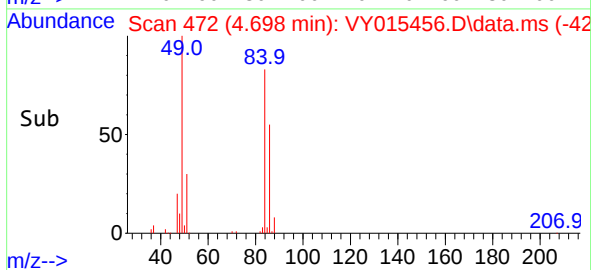
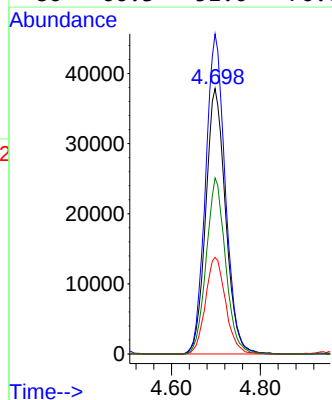
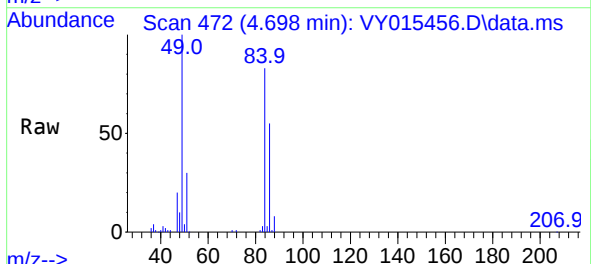
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

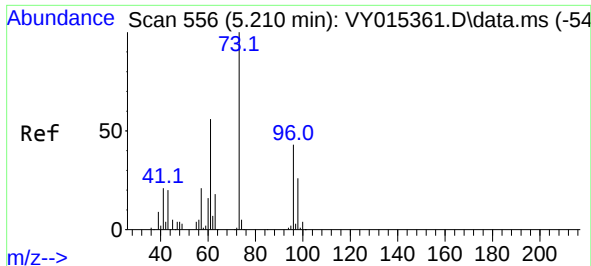
Tgt Ion: 73 Resp: 320146  
Ion Ratio Lower Upper  
73 100  
57 21.5 17.3 25.9



#20  
Methylene Chloride  
Concen: 37.465 ug/l  
RT: 4.698 min Scan# 472  
Delta R.T. -0.006 min  
Lab File: VY015456.D  
Acq: 06 Sep 2023 18:02

Tgt Ion: 84 Resp: 117624  
Ion Ratio Lower Upper  
84 100  
49 120.5 106.9 160.3  
51 36.4 33.2 49.8  
86 66.3 51.0 76.6

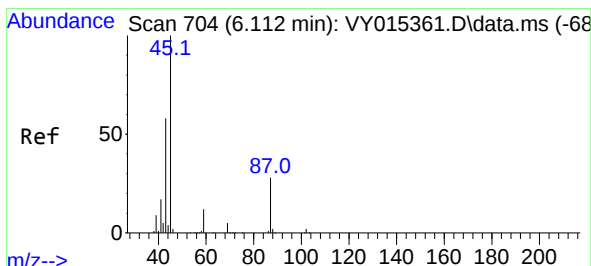
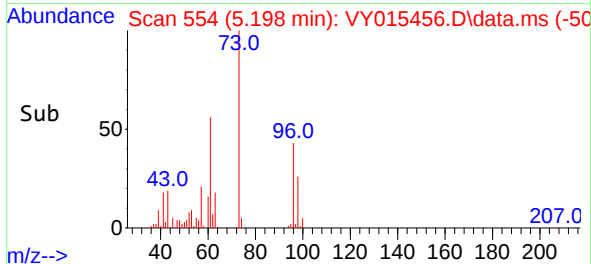
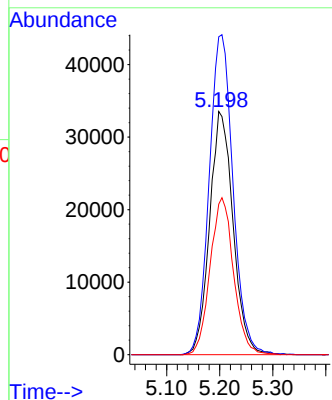
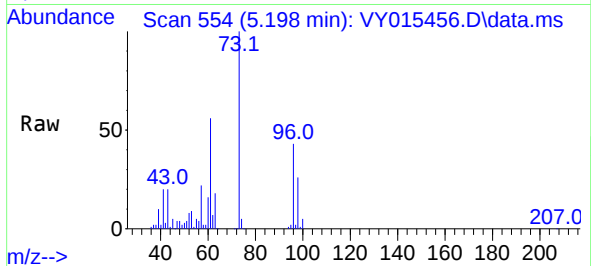




#21  
trans-1,2-Dichloroethene  
Concen: 43.302 ug/l  
RT: 5.198 min Scan# 51  
Delta R.T. -0.012 min  
Lab File: VY015456.D  
Acq: 06 Sep 2023 18:02

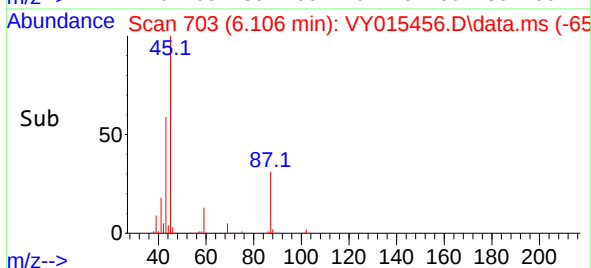
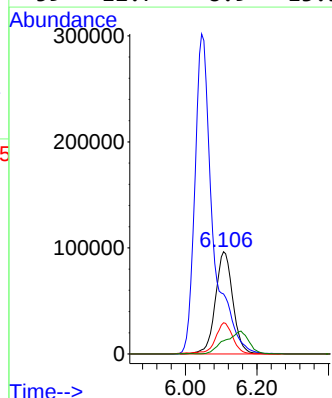
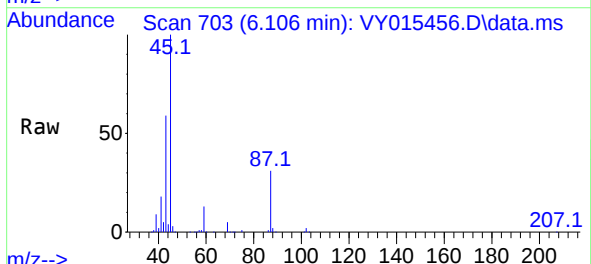
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

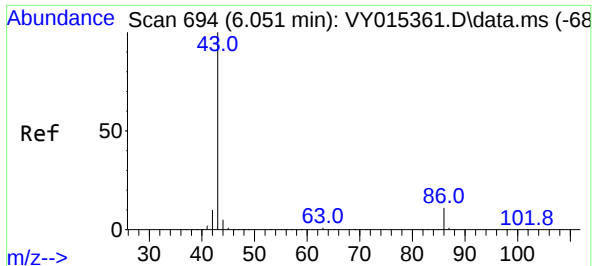
Tgt Ion: 96 Resp: 103096  
Ion Ratio Lower Upper  
96 100  
61 130.7 110.2 165.4  
98 61.9 51.8 77.6



#22  
Diisopropyl ether  
Concen: 45.317 ug/l  
RT: 6.106 min Scan# 703  
Delta R.T. -0.006 min  
Lab File: VY015456.D  
Acq: 06 Sep 2023 18:02

Tgt Ion: 45 Resp: 326269  
Ion Ratio Lower Upper  
45 100  
43 58.2 52.2 78.4  
87 30.5 21.0 31.6  
59 12.7 8.9 13.3

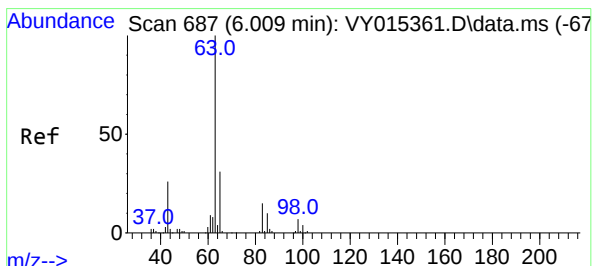
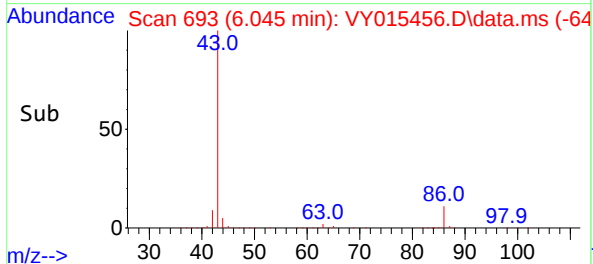
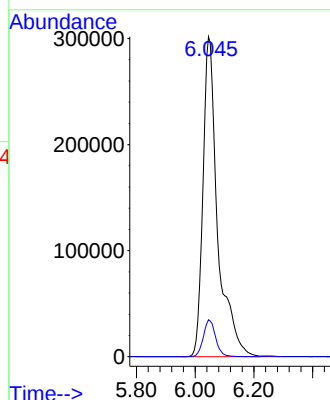
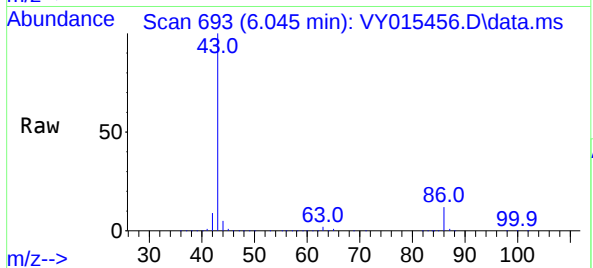




#23  
 Vinyl Acetate  
 Concen: 230.518 ug/l  
 RT: 6.045 min Scan# 61  
 Delta R.T. -0.006 min  
 Lab File: VY015456.D  
 Acq: 06 Sep 2023 18:02

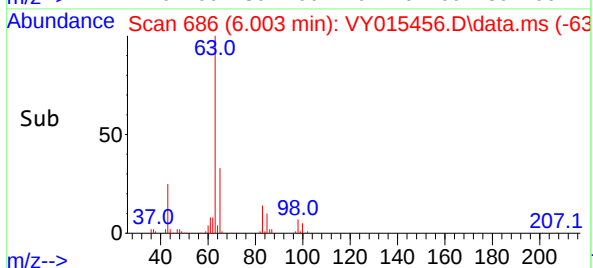
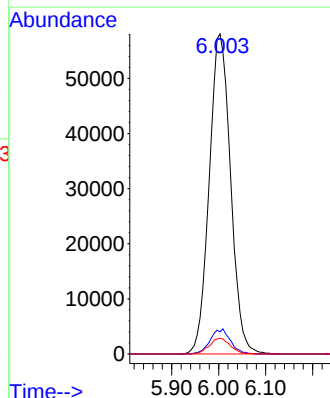
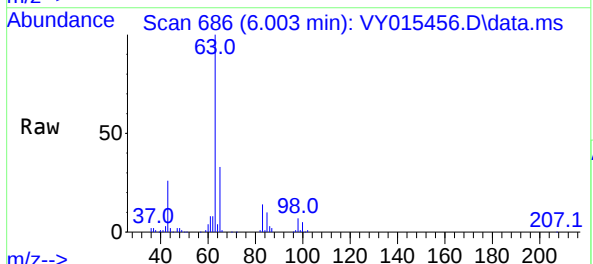
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

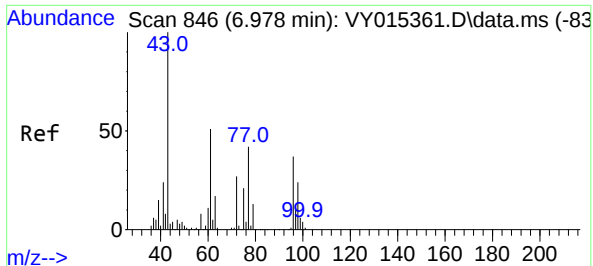
Tgt Ion: 43 Resp: 1047867  
 Ion Ratio Lower Upper  
 43 100  
 86 11.5 7.5 11.3#



#24  
 1,1-Dichloroethane  
 Concen: 44.050 ug/l  
 RT: 6.003 min Scan# 686  
 Delta R.T. 0.000 min  
 Lab File: VY015456.D  
 Acq: 06 Sep 2023 18:02

Tgt Ion: 63 Resp: 183333  
 Ion Ratio Lower Upper  
 63 100  
 98 6.9 3.1 9.4  
 100 4.9 1.8 5.5





#25

2-Butanone

Concen: 239.401 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.006 min

Lab File: VY015456.D

Acq: 06 Sep 2023 18:02

Instrument :

MSVOA\_Y

ClientSampleId :

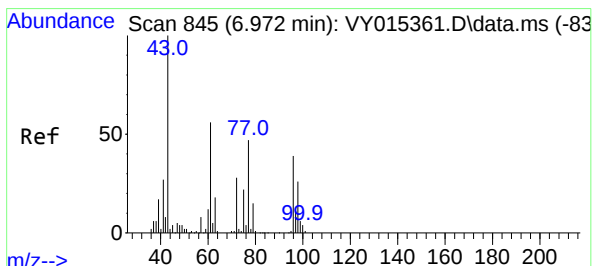
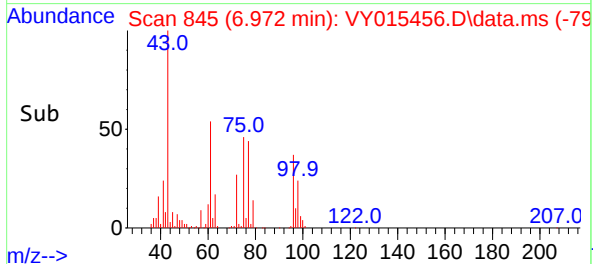
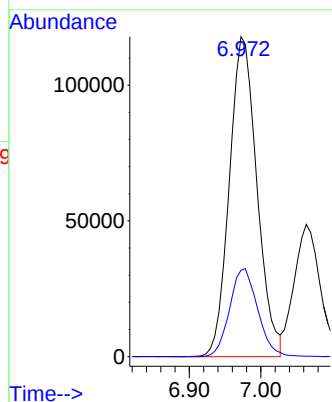
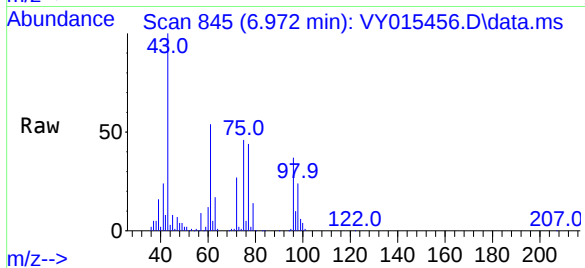
VSTDCCC050EC

Tgt Ion: 43 Resp: 315998

Ion Ratio Lower Upper

43 100

72 27.0 20.5 30.7



#26

2,2-Dichloropropane

Concen: 44.549 ug/l

RT: 6.972 min Scan# 845

Delta R.T. 0.000 min

Lab File: VY015456.D

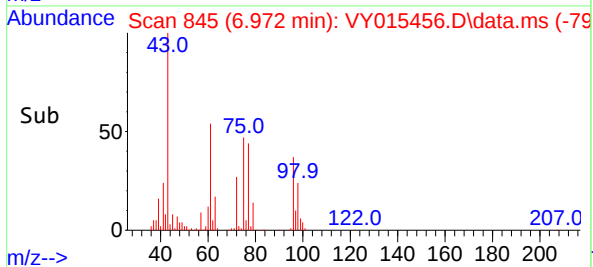
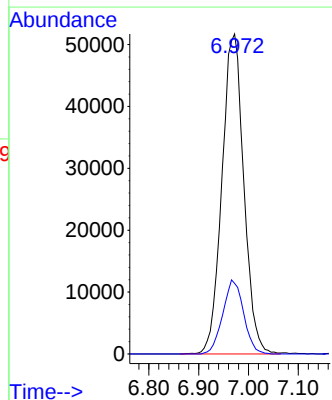
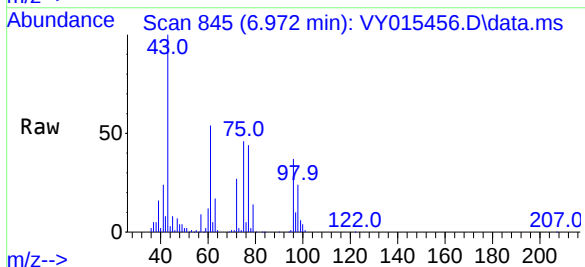
Acq: 06 Sep 2023 18:02

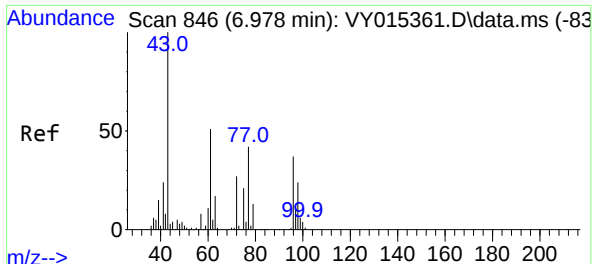
Tgt Ion: 77 Resp: 157476

Ion Ratio Lower Upper

77 100

97 22.0 10.9 32.9

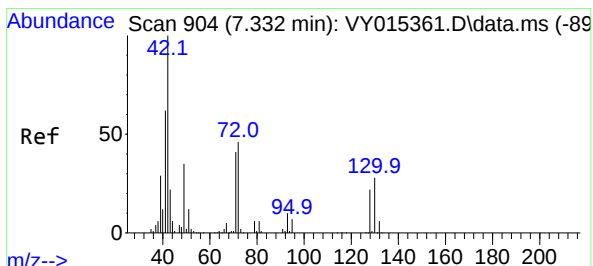
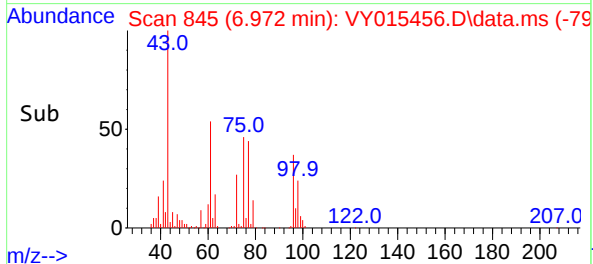
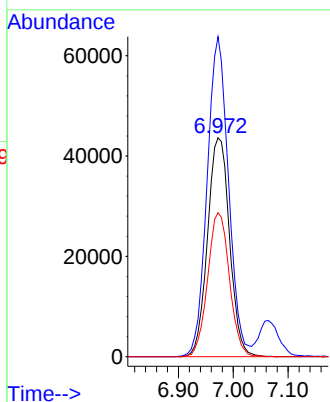
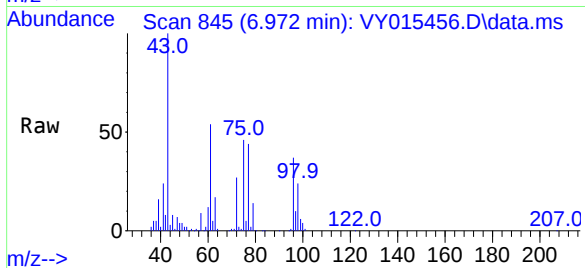




#27  
cis-1,2-Dichloroethene  
Concen: 45.034 ug/l  
RT: 6.972 min Scan# 84  
Delta R.T. -0.006 min  
Lab File: VY015456.D  
Acq: 06 Sep 2023 18:02

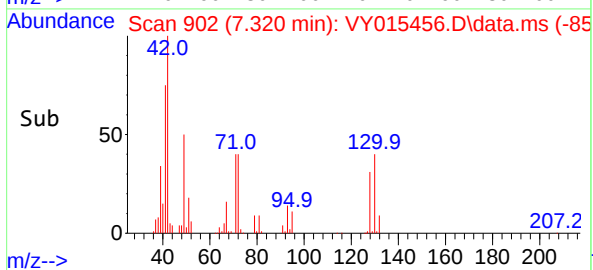
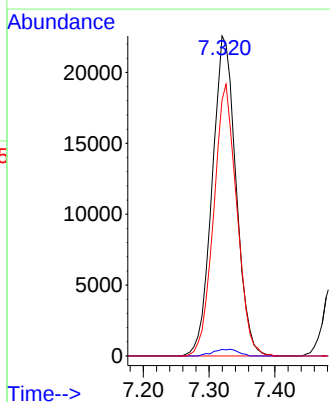
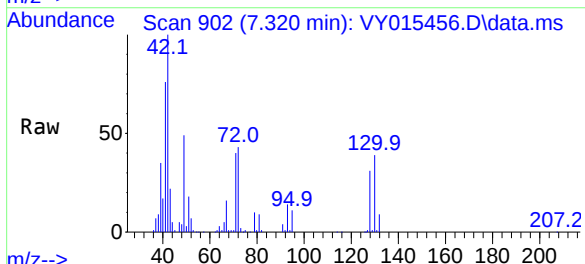
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

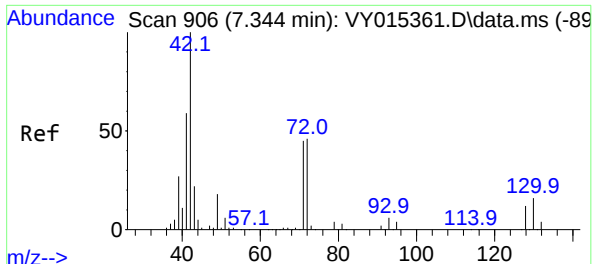
Tgt Ion: 96 Resp: 121636  
Ion Ratio Lower Upper  
96 100  
61 142.1 0.0 301.4  
98 65.1 0.0 130.4



#28  
Bromochloromethane  
Concen: 44.541 ug/l  
RT: 7.320 min Scan# 902  
Delta R.T. -0.006 min  
Lab File: VY015456.D  
Acq: 06 Sep 2023 18:02

Tgt Ion: 49 Resp: 56847  
Ion Ratio Lower Upper  
49 100  
129 2.2 0.0 4.6  
130 82.2 60.7 91.1

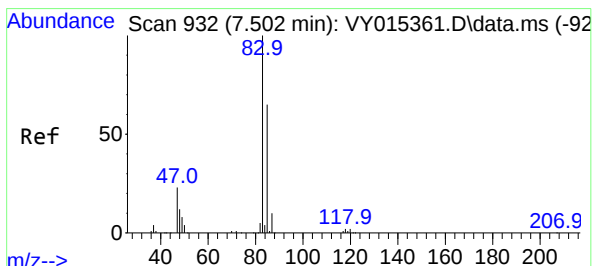
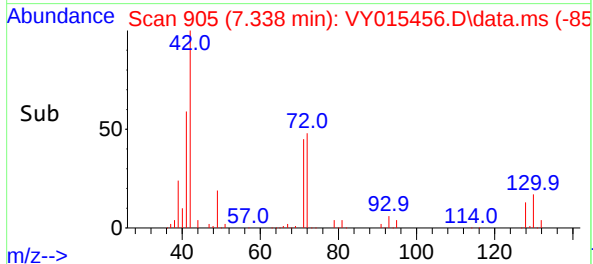
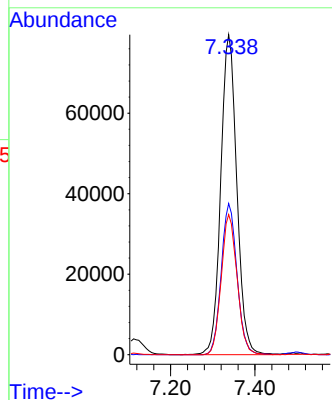
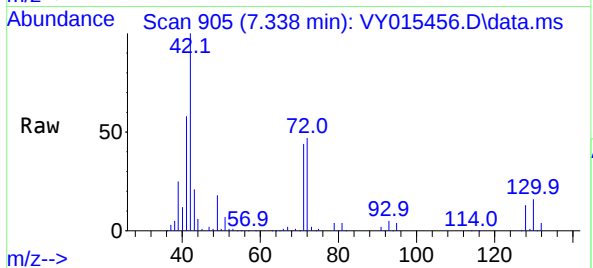




#29  
Tetrahydrofuran  
Concen: 252.514 ug/l  
RT: 7.338 min Scan# 905  
Delta R.T. -0.006 min  
Lab File: VY015456.D  
Acq: 06 Sep 2023 18:02

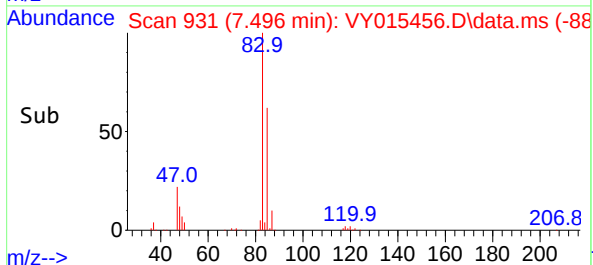
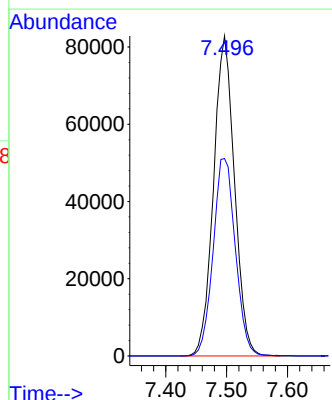
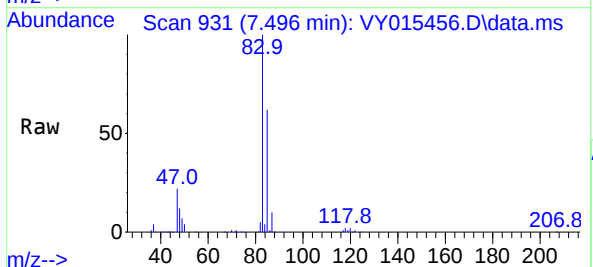
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

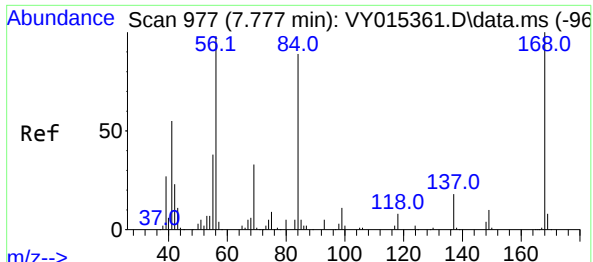
Tgt Ion: 42 Resp: 209308  
Ion Ratio Lower Upper  
42 100  
72 46.3 32.8 49.2  
71 43.3 31.0 46.4



#30  
Chloroform  
Concen: 45.294 ug/l  
RT: 7.496 min Scan# 931  
Delta R.T. 0.000 min  
Lab File: VY015456.D  
Acq: 06 Sep 2023 18:02

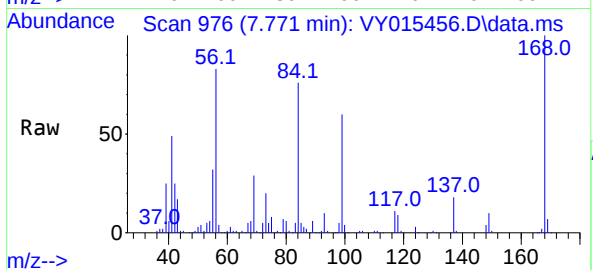
Tgt Ion: 83 Resp: 198167  
Ion Ratio Lower Upper  
83 100  
85 61.7 49.7 74.5



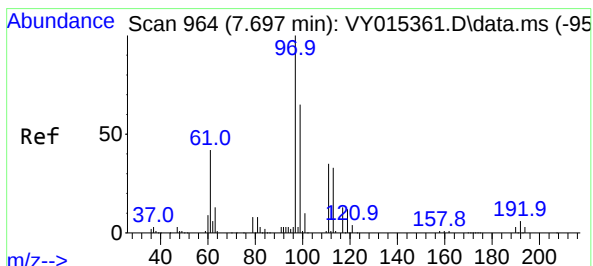
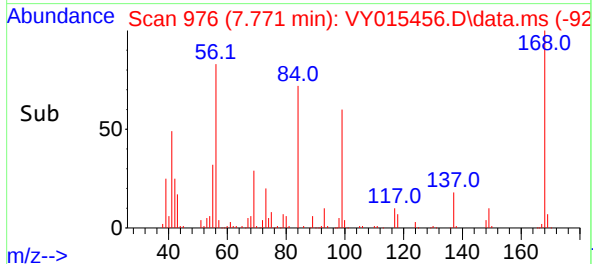
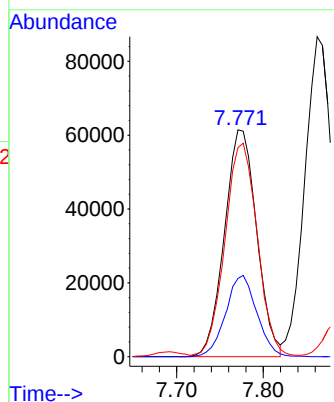


#31  
Cyclohexane  
Concen: 40.099 ug/l  
RT: 7.771 min Scan# 91  
Delta R.T. -0.012 min  
Lab File: VY015456.D  
Acq: 06 Sep 2023 18:02

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

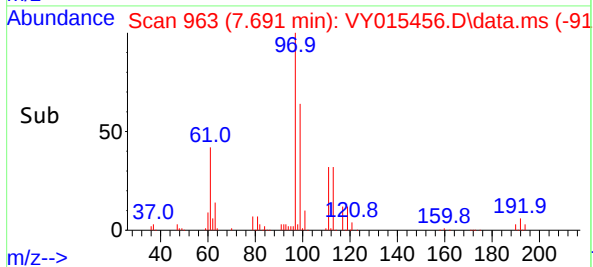
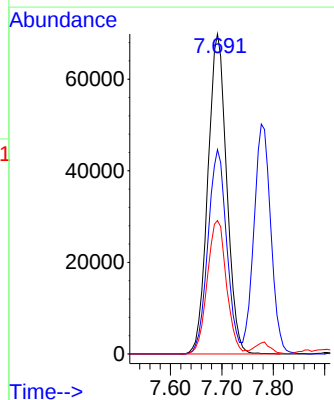
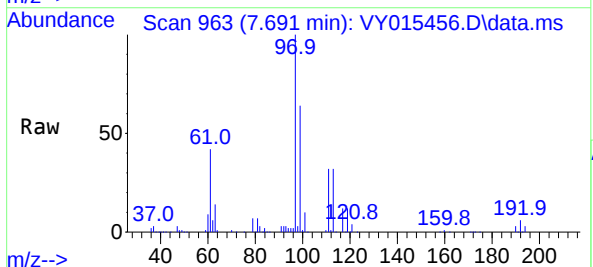


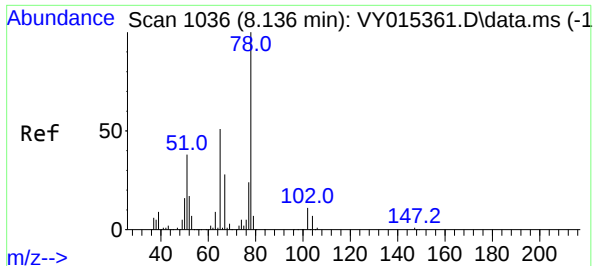
Tgt Ion: 56 Resp: 158816  
Ion Ratio Lower Upper  
56 100  
69 34.5 27.8 41.6  
84 90.8 66.4 99.6



#32  
1,1,1-Trichloroethane  
Concen: 45.375 ug/l  
RT: 7.691 min Scan# 963  
Delta R.T. 0.000 min  
Lab File: VY015456.D  
Acq: 06 Sep 2023 18:02

Tgt Ion: 97 Resp: 177320  
Ion Ratio Lower Upper  
97 100  
99 63.9 50.8 76.2  
61 42.7 35.1 52.7





#33

1,2-Dichloroethane-d4

Concen: 44.766 ug/l

RT: 8.130 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VY015456.D

Acq: 06 Sep 2023 18:02

Instrument :

MSVOA\_Y

ClientSampleId :

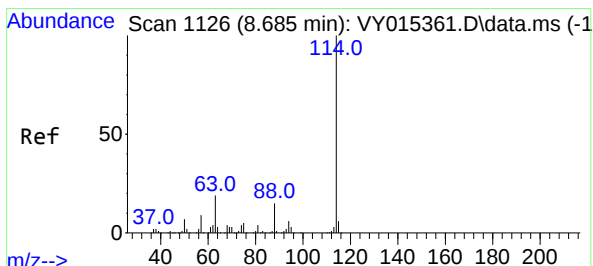
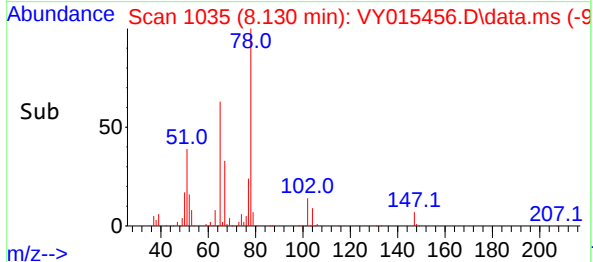
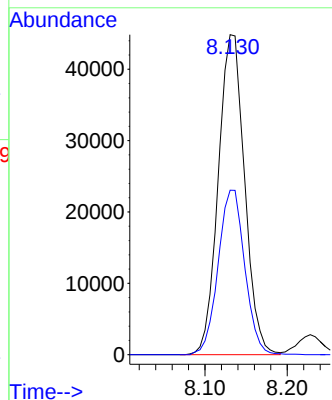
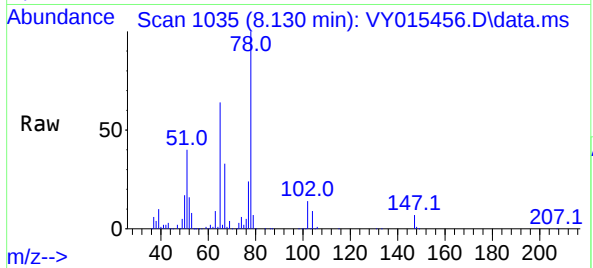
VSTDCCC050EC

Tgt Ion: 65 Resp: 99812

Ion Ratio Lower Upper

65 100

67 52.0 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: VY015456.D

Acq: 06 Sep 2023 18:02

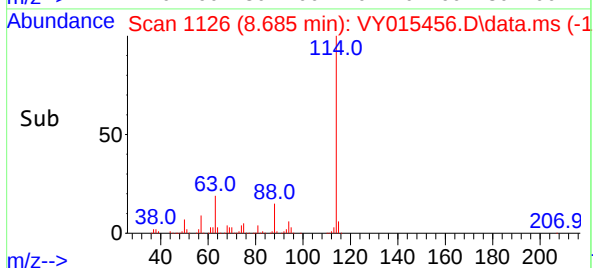
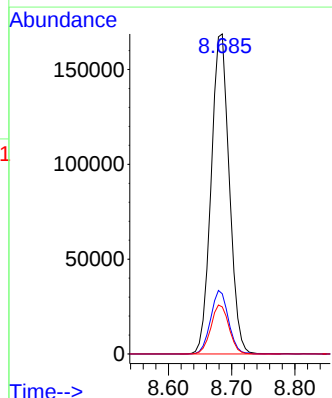
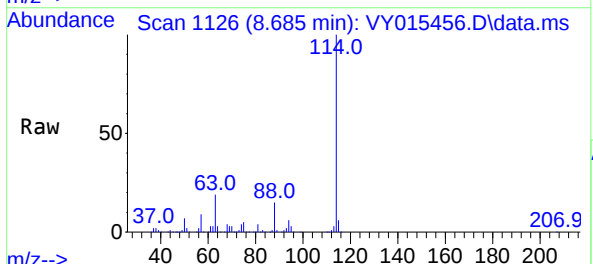
Tgt Ion:114 Resp: 335404

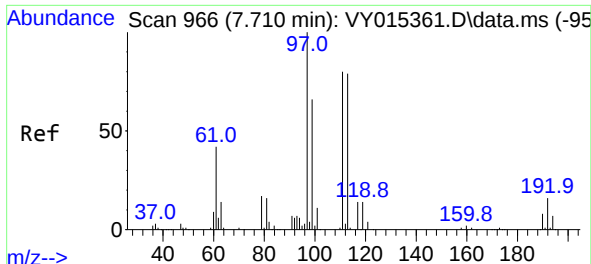
Ion Ratio Lower Upper

114 100

63 18.8 0.0 42.4

88 14.7 0.0 30.6

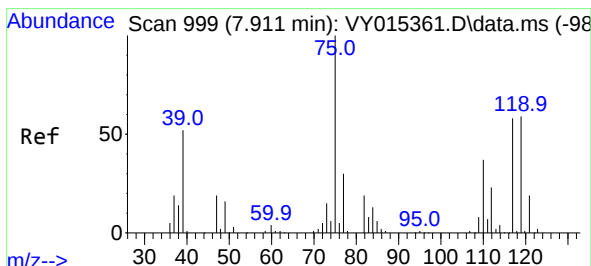
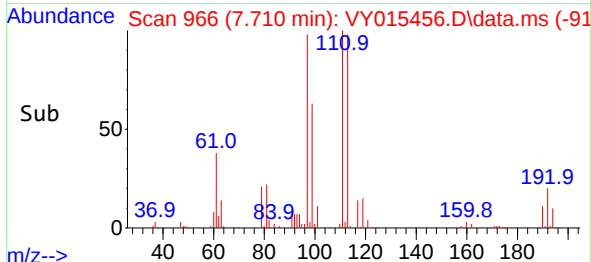
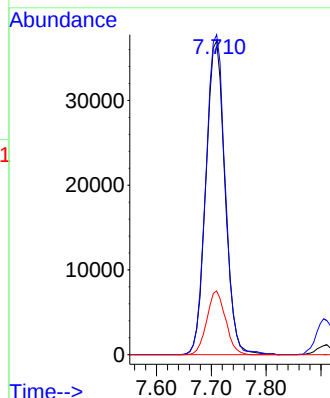
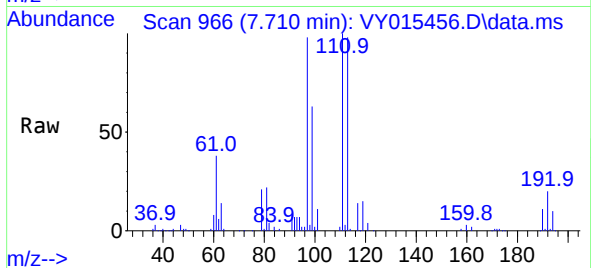




#35  
Dibromofluoromethane  
Concen: 46.149 ug/l  
RT: 7.710 min Scan# 901  
Delta R.T. -0.006 min  
Lab File: VY015456.D  
Acq: 06 Sep 2023 18:02

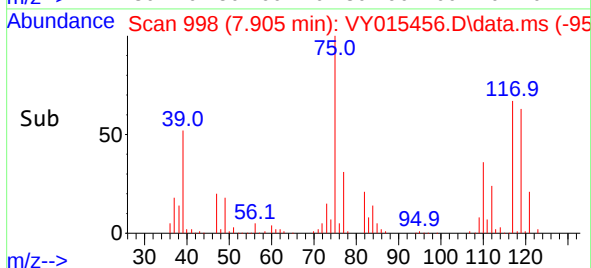
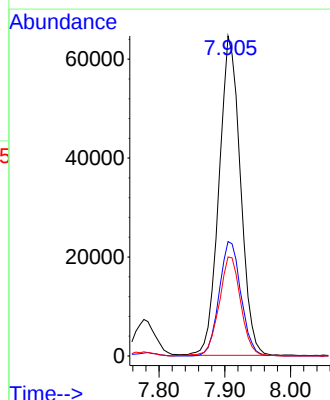
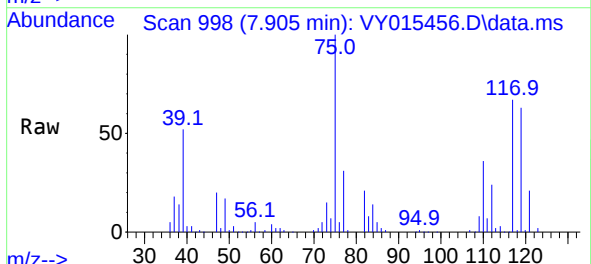
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

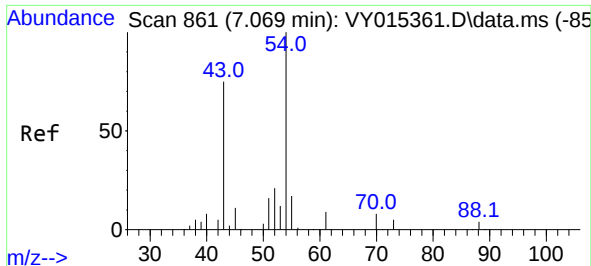
Tgt Ion:113 Resp: 89154  
Ion Ratio Lower Upper  
113 100  
111 103.0 81.3 121.9  
192 20.0 16.9 25.3



#36  
1,1-Dichloropropene  
Concen: 43.115 ug/l  
RT: 7.905 min Scan# 998  
Delta R.T. -0.006 min  
Lab File: VY015456.D  
Acq: 06 Sep 2023 18:02

Tgt Ion: 75 Resp: 146250  
Ion Ratio Lower Upper  
75 100  
110 36.5 17.8 53.5  
77 31.5 24.4 36.6

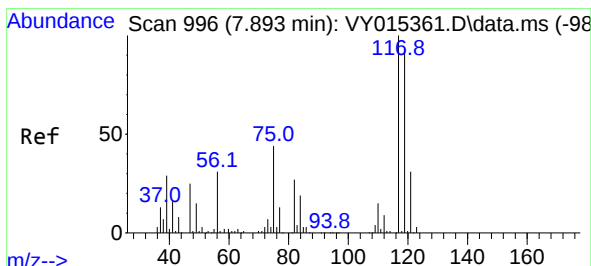
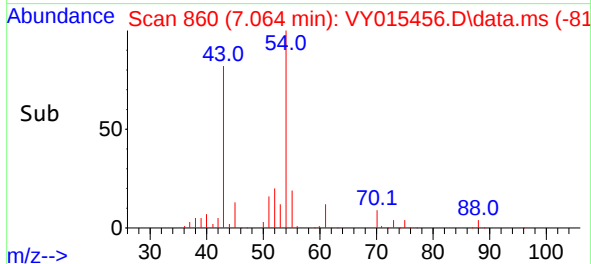
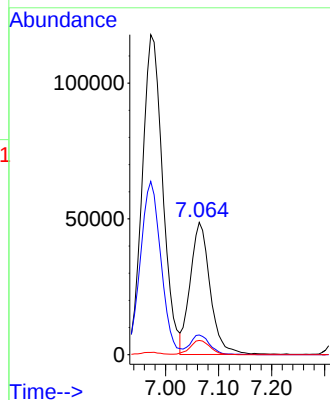
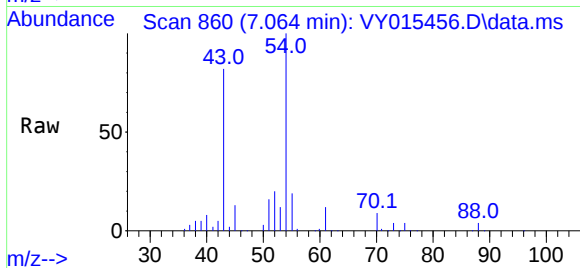




#37  
Ethyl Acetate  
Concen: 48.602 ug/l  
RT: 7.064 min Scan# 860  
Delta R.T. 0.000 min  
Lab File: VY015456.D  
Acq: 06 Sep 2023 18:02

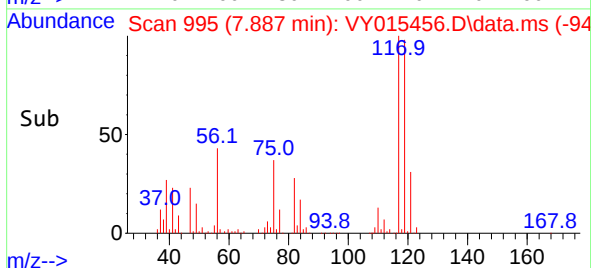
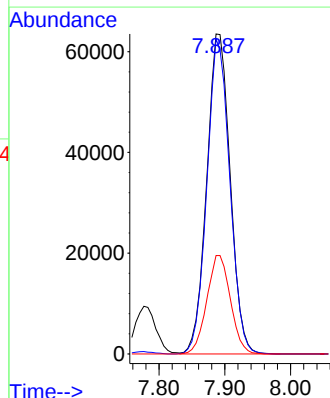
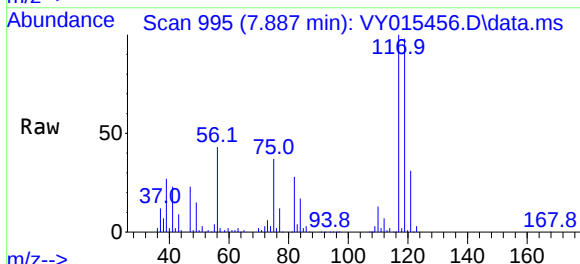
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

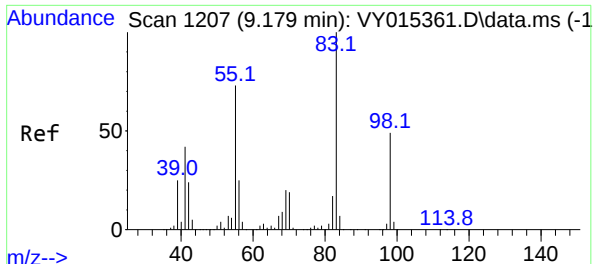
Tgt Ion: 43 Resp: 127150  
Ion Ratio Lower Upper  
43 100  
61 14.6 10.1 15.1  
70 10.8 7.1 10.7#



#38  
Carbon Tetrachloride  
Concen: 44.996 ug/l  
RT: 7.887 min Scan# 995  
Delta R.T. -0.006 min  
Lab File: VY015456.D  
Acq: 06 Sep 2023 18:02

Tgt Ion: 117 Resp: 157641  
Ion Ratio Lower Upper  
117 100  
119 98.4 76.4 114.6  
121 30.7 25.8 38.6

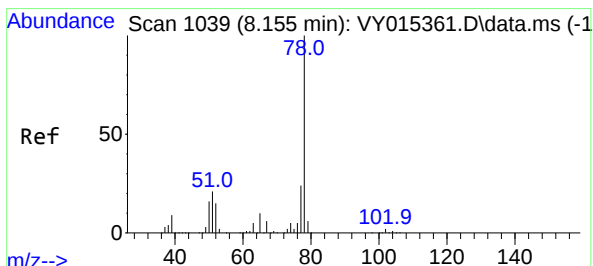
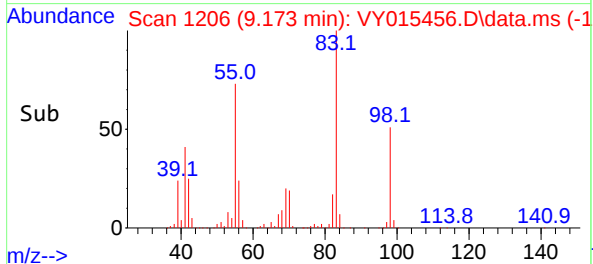
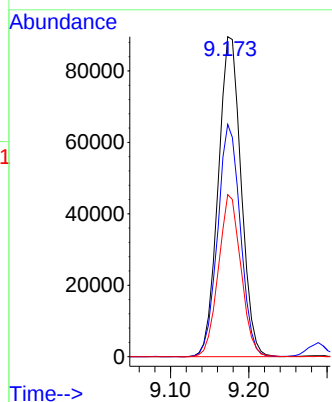
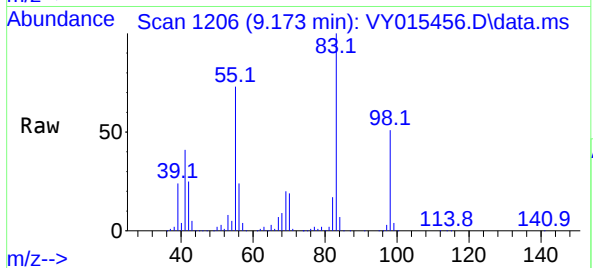




#39  
Methylcyclohexane  
Concen: 42.649 ug/l  
RT: 9.173 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY015456.D  
Acq: 06 Sep 2023 18:02

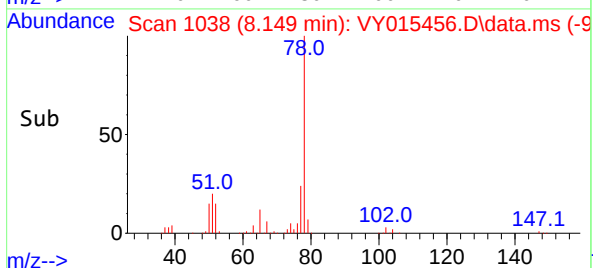
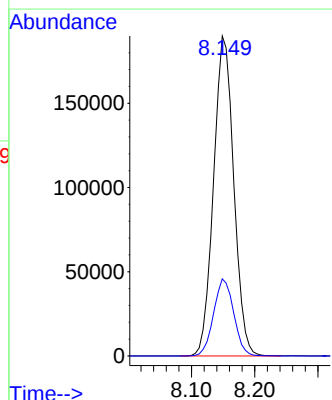
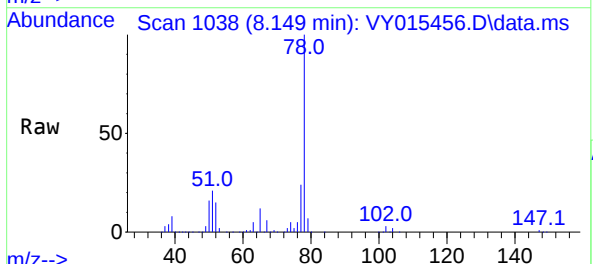
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

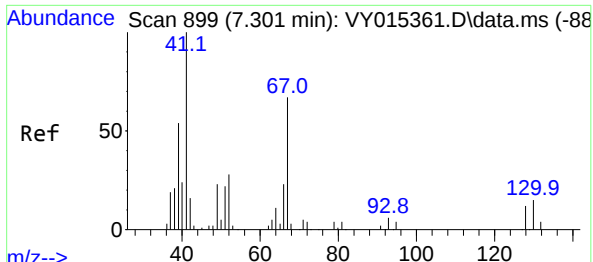
Tgt Ion: 83 Resp: 182135  
Ion Ratio Lower Upper  
83 100  
55 72.6 63.0 94.4  
98 50.6 37.4 56.2



#40  
Benzene  
Concen: 44.402 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. 0.000 min  
Lab File: VY015456.D  
Acq: 06 Sep 2023 18:02

Tgt Ion: 78 Resp: 420218  
Ion Ratio Lower Upper  
78 100  
77 24.1 19.0 28.6

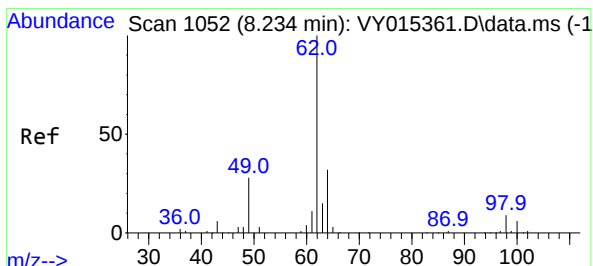
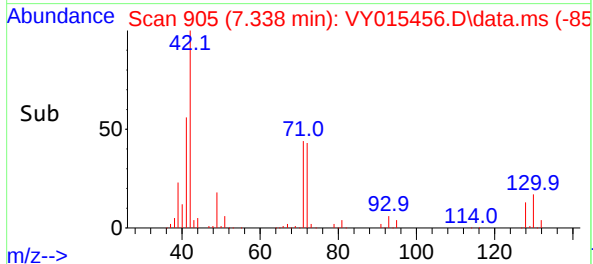
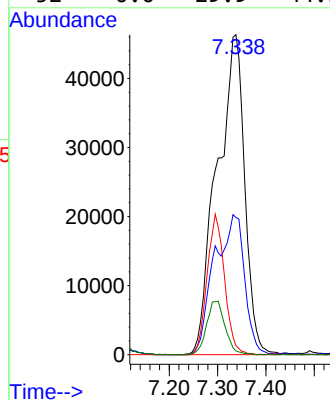
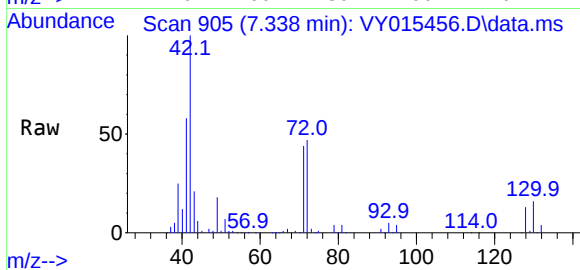




#41  
Methacrylonitrile  
Concen: 149.703 ug/l  
RT: 7.338 min Scan# 905  
Delta R.T. 0.025 min  
Lab File: VY015456.D  
Acq: 06 Sep 2023 18:02

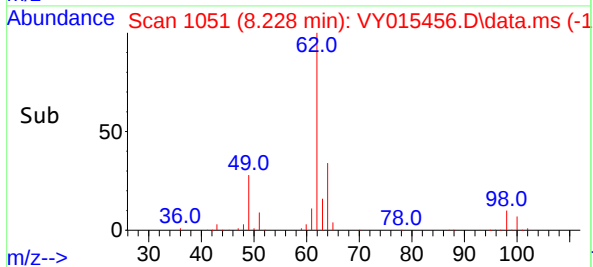
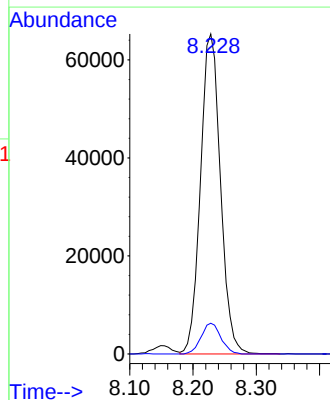
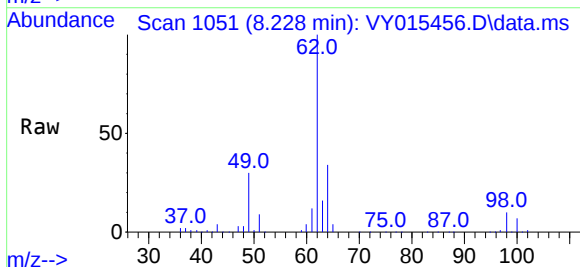
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

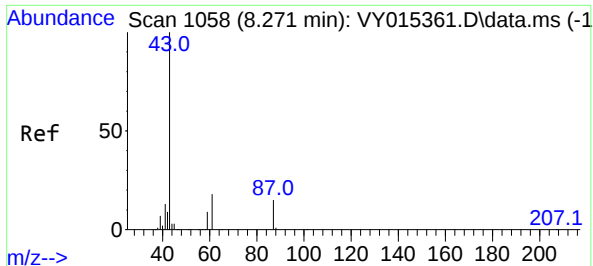
Tgt Ion: 41 Resp: 183659  
Ion Ratio Lower Upper  
41 100  
39 27.3 52.1 78.1#  
67 0.0 66.2 99.2#  
52 0.0 29.9 44.9#



#42  
1,2-Dichloroethane  
Concen: 45.434 ug/l  
RT: 8.228 min Scan# 1051  
Delta R.T. -0.006 min  
Lab File: VY015456.D  
Acq: 06 Sep 2023 18:02

Tgt Ion: 62 Resp: 143382  
Ion Ratio Lower Upper  
62 100  
98 9.5 0.0 15.8

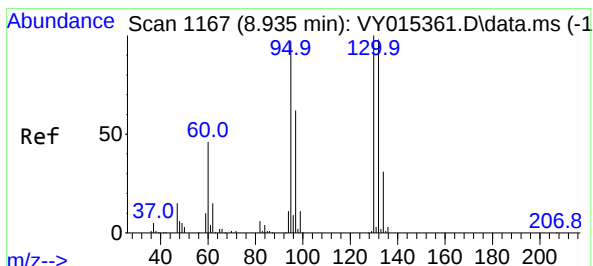
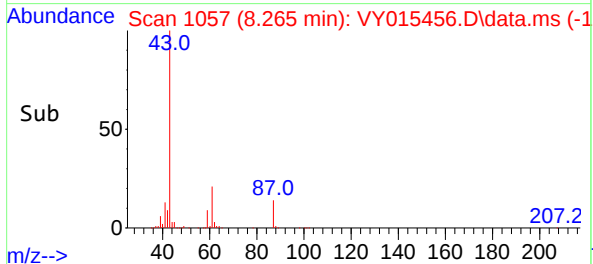
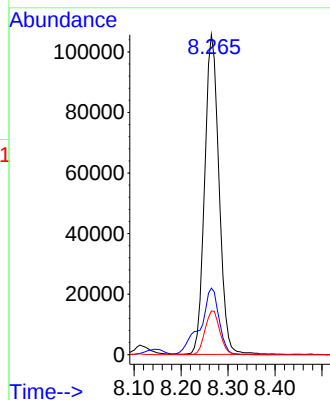
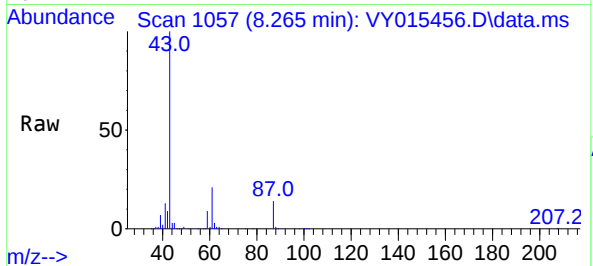




#43  
Isopropyl Acetate  
Concen: 49.309 ug/l  
RT: 8.265 min Scan# 1057  
Delta R.T. 0.000 min  
Lab File: VY015456.D  
Acq: 06 Sep 2023 18:02

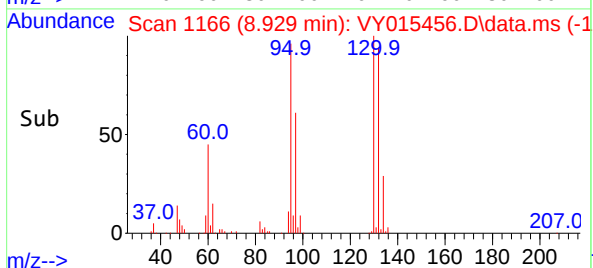
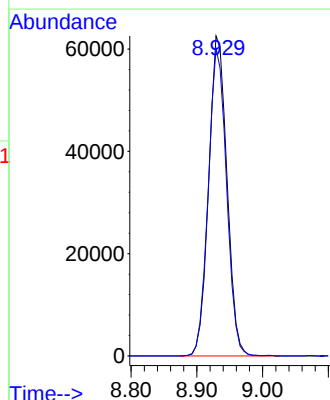
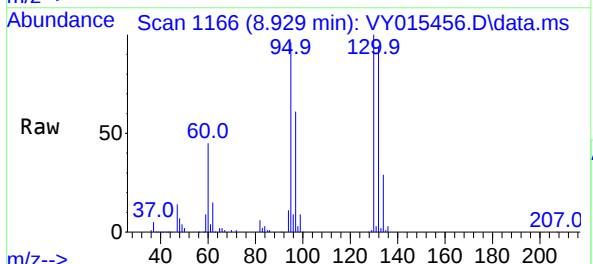
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

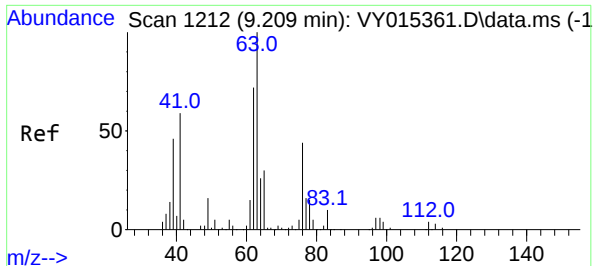
Tgt Ion: 43 Resp: 223071  
Ion Ratio Lower Upper  
43 100  
61 27.3 21.1 31.7  
87 14.1 9.8 14.8



#44  
Trichloroethene  
Concen: 45.139 ug/l  
RT: 8.929 min Scan# 1166  
Delta R.T. -0.006 min  
Lab File: VY015456.D  
Acq: 06 Sep 2023 18:02

Tgt Ion: 130 Resp: 120868  
Ion Ratio Lower Upper  
130 100  
95 96.1 0.0 196.0





#45

1,2-Dichloropropane

Concen: 44.840 ug/l

RT: 9.210 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY015456.D

Acq: 06 Sep 2023 18:02

Instrument :

MSVOA\_Y

ClientSampleId :

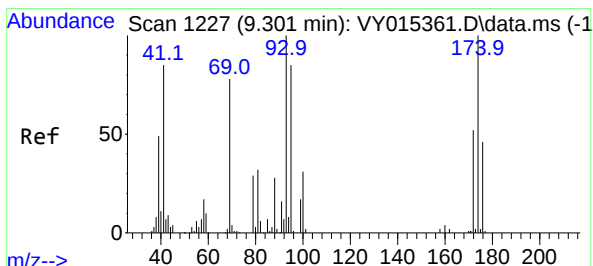
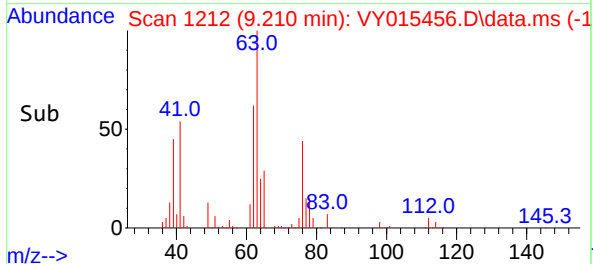
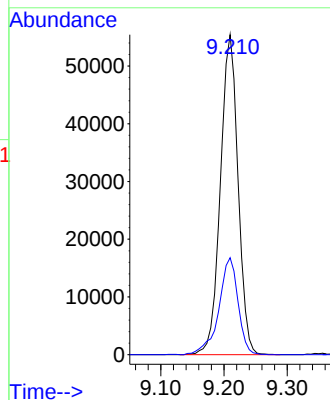
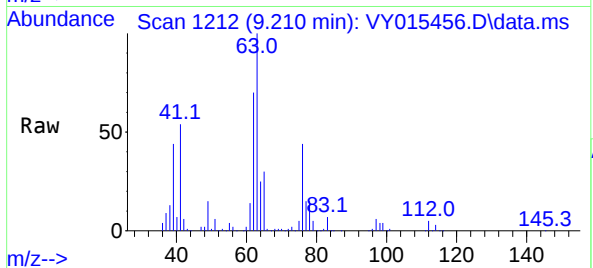
VSTDCCC050EC

Tgt Ion: 63 Resp: 106977

Ion Ratio Lower Upper

63 100

65 30.3 23.8 35.6



#46

Dibromomethane

Concen: 45.880 ug/l

RT: 9.301 min Scan# 1227

Delta R.T. 0.006 min

Lab File: VY015456.D

Acq: 06 Sep 2023 18:02

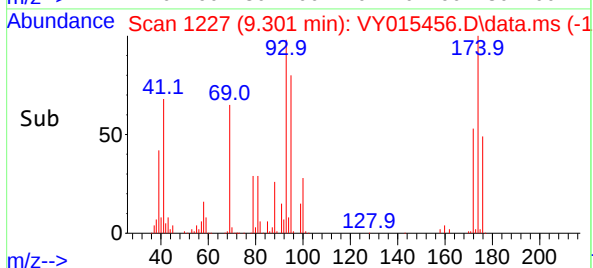
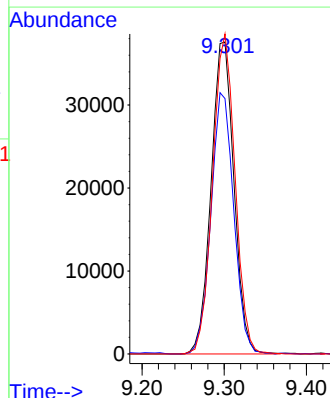
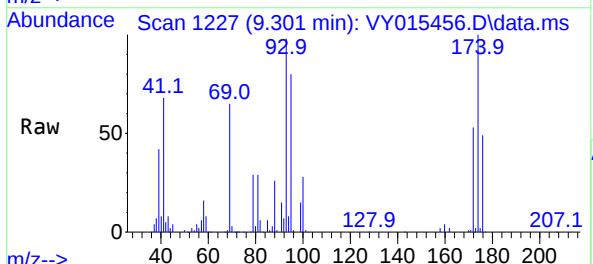
Tgt Ion: 93 Resp: 72710

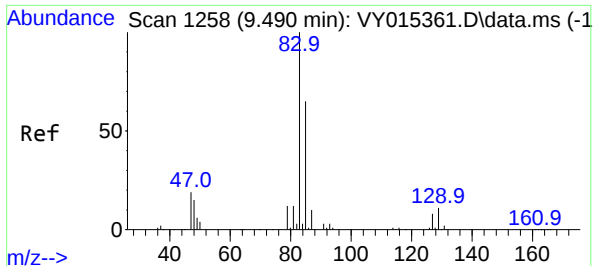
Ion Ratio Lower Upper

93 100

95 83.3 66.6 100.0

174 100.6 84.8 127.2

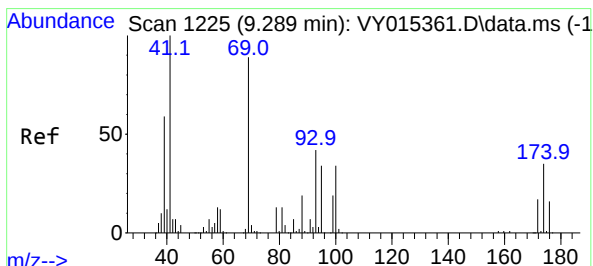
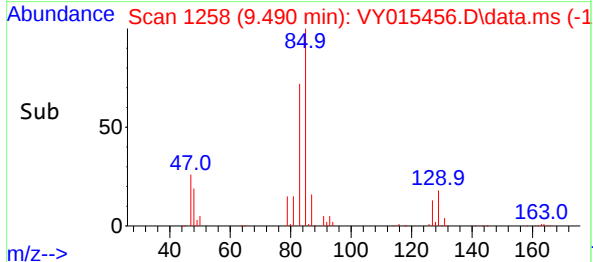
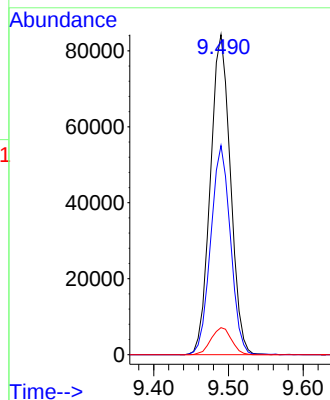
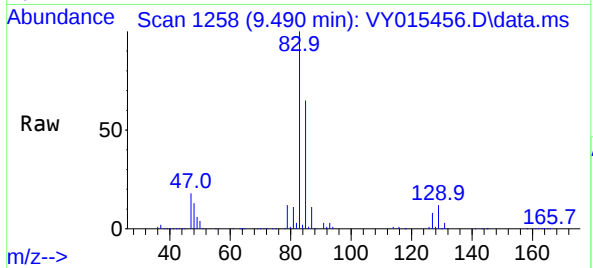




#47  
Bromodichloromethane  
Concen: 46.315 ug/l  
RT: 9.490 min Scan# 1258  
Delta R.T. 0.000 min  
Lab File: VY015456.D  
Acq: 06 Sep 2023 18:02

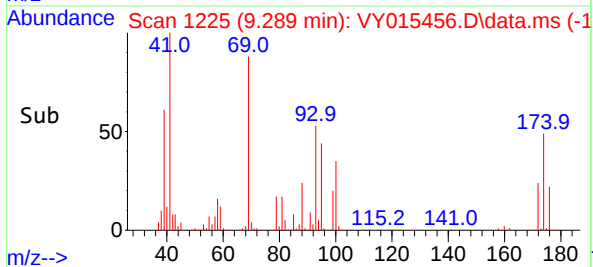
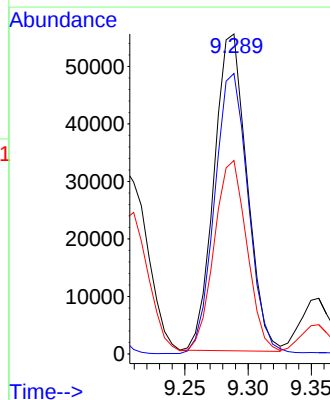
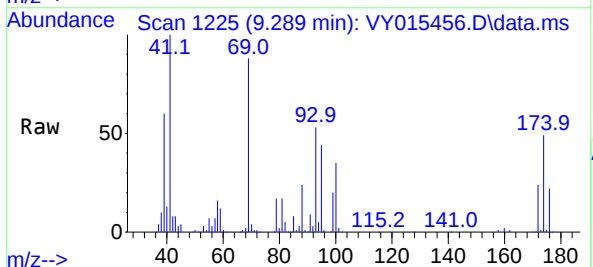
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

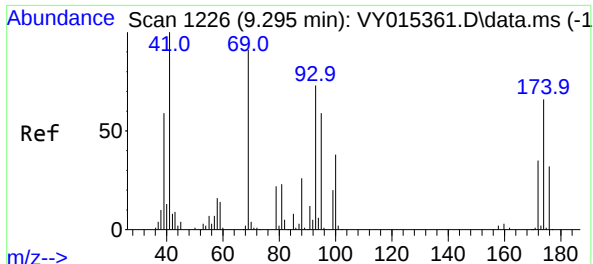
Tgt Ion: 83 Resp: 156964  
Ion Ratio Lower Upper  
83 100  
85 65.4 50.1 75.1  
127 8.5 7.1 10.7



#48  
Methyl methacrylate  
Concen: 48.015 ug/l  
RT: 9.289 min Scan# 1225  
Delta R.T. 0.000 min  
Lab File: VY015456.D  
Acq: 06 Sep 2023 18:02

Tgt Ion: 41 Resp: 99662  
Ion Ratio Lower Upper  
41 100  
69 90.4 64.5 96.7  
39 61.8 50.8 76.2

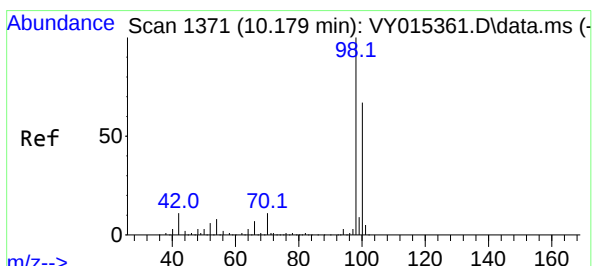
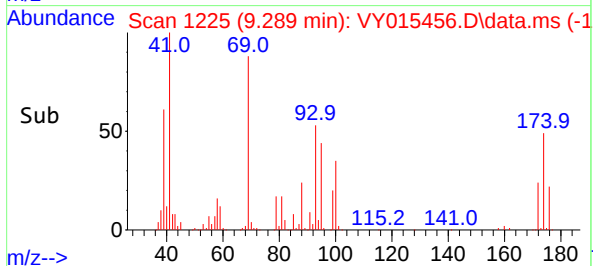
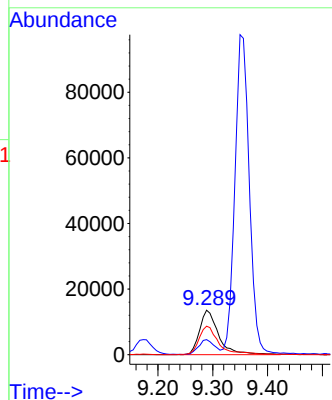
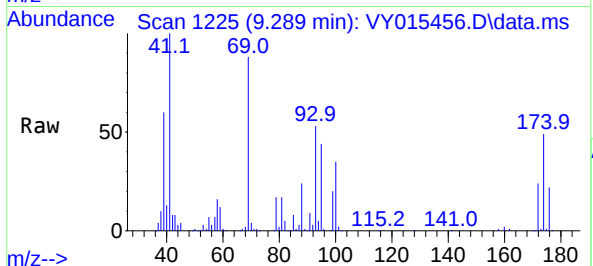




#49  
1,4-Dioxane  
Concen: 1114.914 ug/l  
RT: 9.289 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY015456.D  
Acq: 06 Sep 2023 18:02

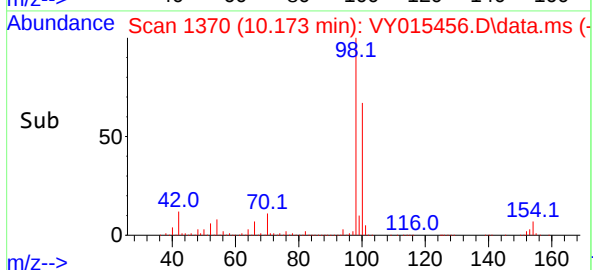
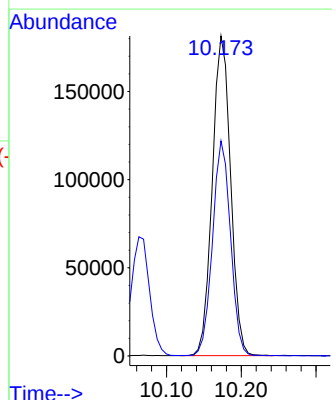
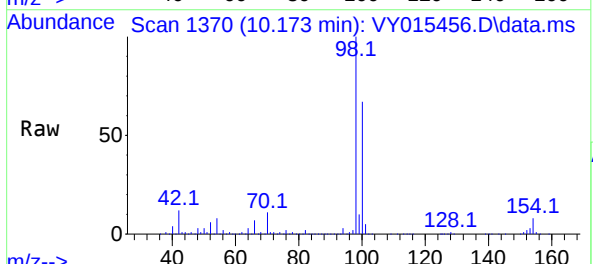
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

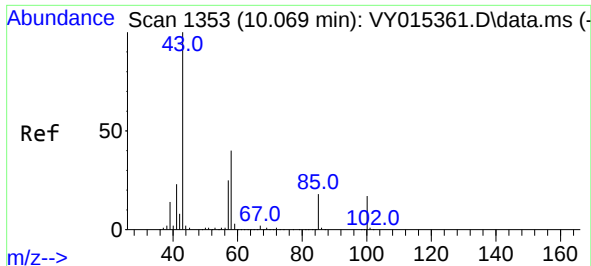
Tgt Ion: 88 Resp: 32819  
Ion Ratio Lower Upper  
88 100  
43 27.8 0.0 0.0#  
58 66.7 30.9 46.3#



#50  
Toluene-d8  
Concen: 44.081 ug/l  
RT: 10.173 min Scan# 1370  
Delta R.T. -0.006 min  
Lab File: VY015456.D  
Acq: 06 Sep 2023 18:02

Tgt Ion: 98 Resp: 308391  
Ion Ratio Lower Upper  
98 100  
100 66.1 50.1 75.1

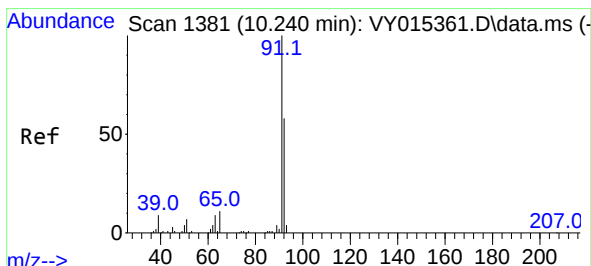
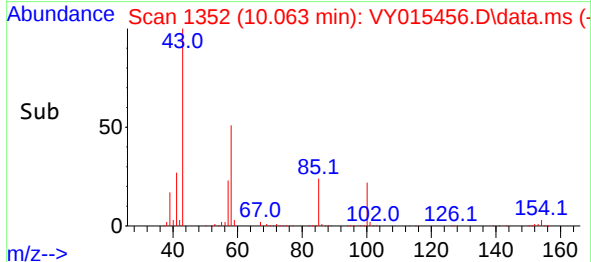
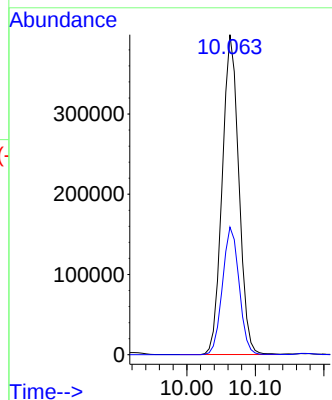
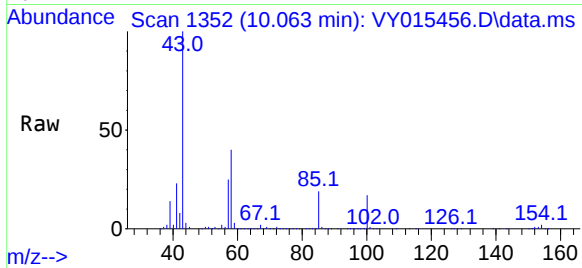




#51  
4-Methyl-2-Pentanone  
Concen: 254.736 ug/l  
RT: 10.063 min Scan# 1352  
Delta R.T. -0.006 min  
Lab File: VY015456.D  
Acq: 06 Sep 2023 18:02

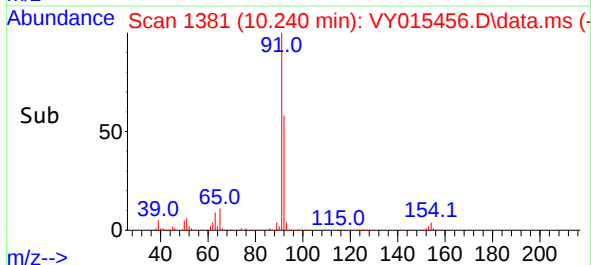
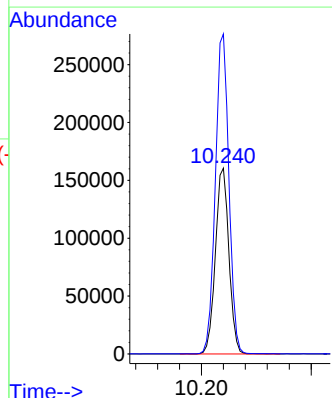
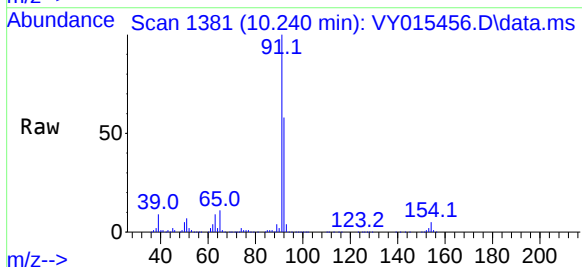
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

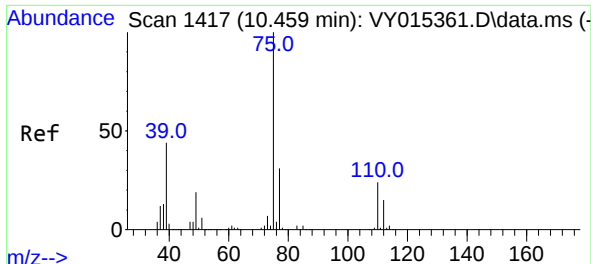
Tgt Ion: 43 Resp: 669806  
Ion Ratio Lower Upper  
43 100  
58 39.9 29.0 43.6



#52  
Toluene  
Concen: 45.253 ug/l  
RT: 10.240 min Scan# 1381  
Delta R.T. 0.000 min  
Lab File: VY015456.D  
Acq: 06 Sep 2023 18:02

Tgt Ion: 92 Resp: 274499  
Ion Ratio Lower Upper  
92 100  
91 172.2 143.8 215.6

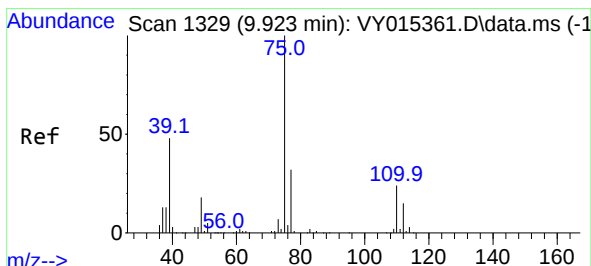
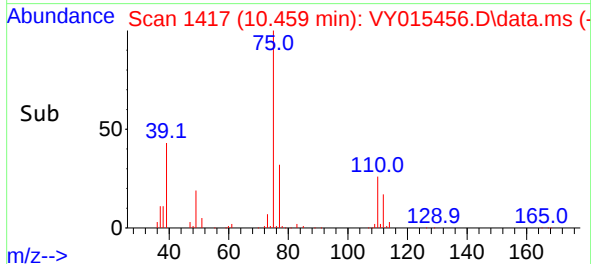
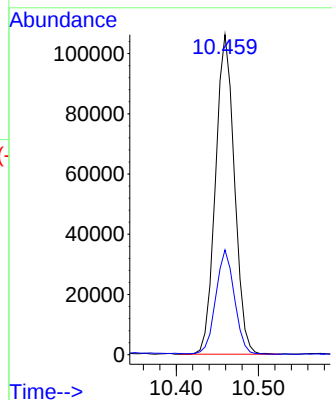
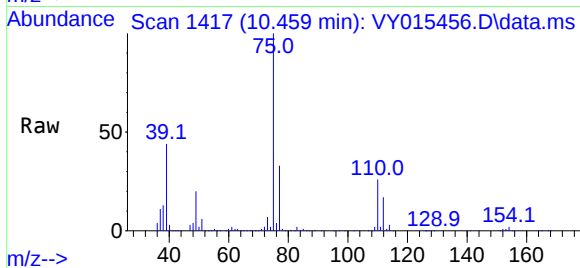




#53  
t-1,3-Dichloropropene  
Concen: 47.204 ug/l  
RT: 10.459 min Scan# 1417  
Delta R.T. 0.000 min  
Lab File: VY015456.D  
Acq: 06 Sep 2023 18:02

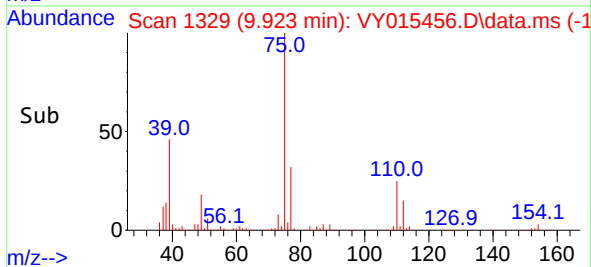
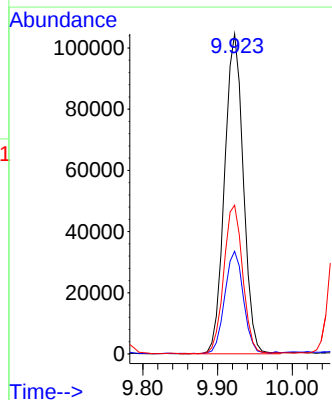
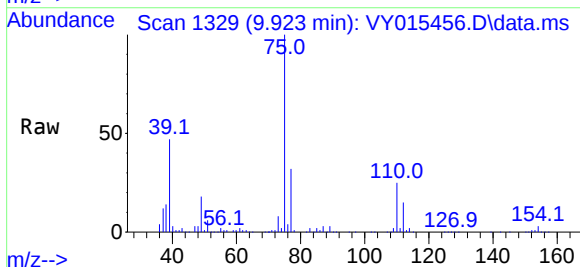
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

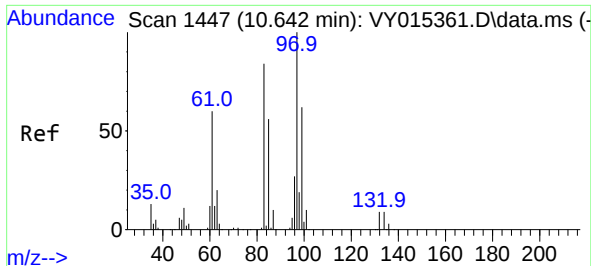
Tgt Ion: 75 Resp: 170015  
Ion Ratio Lower Upper  
75 100  
77 32.7 25.0 37.4



#54  
cis-1,3-Dichloropropene  
Concen: 46.531 ug/l  
RT: 9.923 min Scan# 1329  
Delta R.T. 0.000 min  
Lab File: VY015456.D  
Acq: 06 Sep 2023 18:02

Tgt Ion: 75 Resp: 182308  
Ion Ratio Lower Upper  
75 100  
77 31.9 24.2 36.4  
39 46.4 42.2 63.4



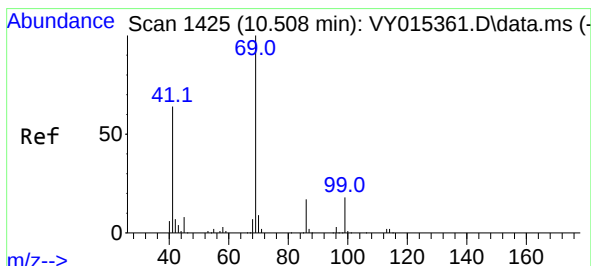
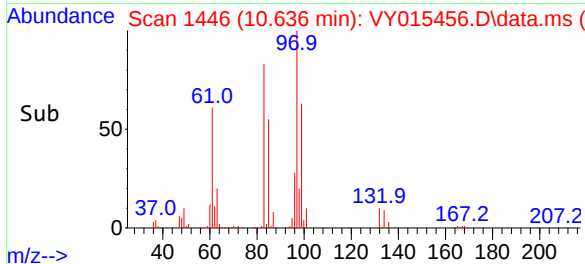
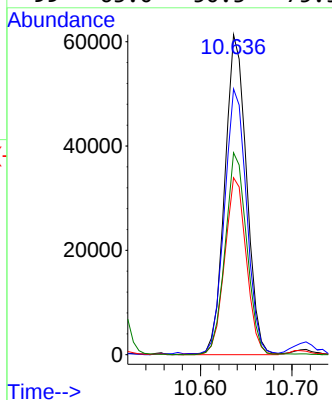
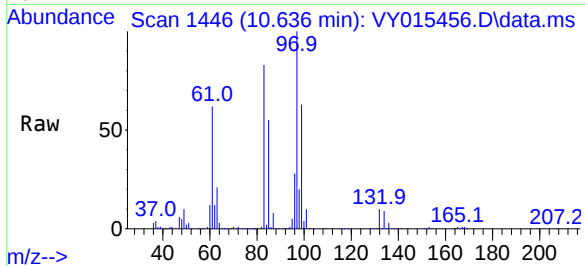


#55  
1,1,2-Trichloroethane  
Concen: 47.467 ug/l  
RT: 10.636 min Scan# 1446  
Delta R.T. -0.006 min  
Lab File: VY015456.D  
Acq: 06 Sep 2023 18:02

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 97 Resp: 101358

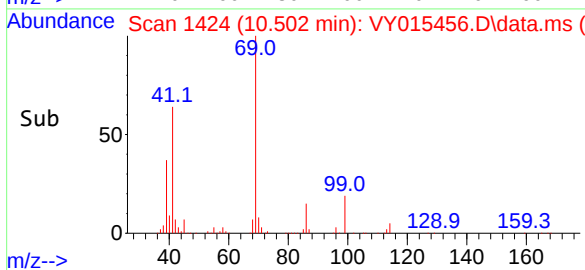
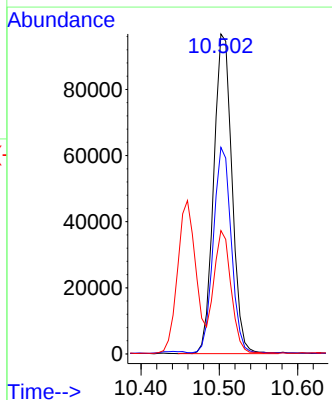
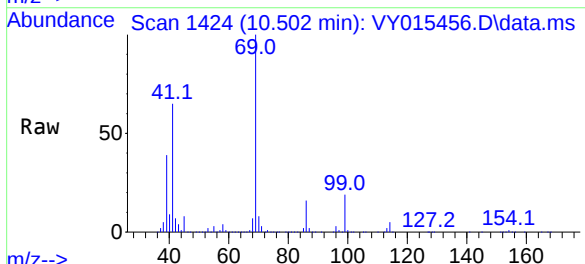
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 82.6  | 72.0  | 108.0 |
| 85  | 55.2  | 45.4  | 68.0  |
| 99  | 63.0  | 50.3  | 75.5  |

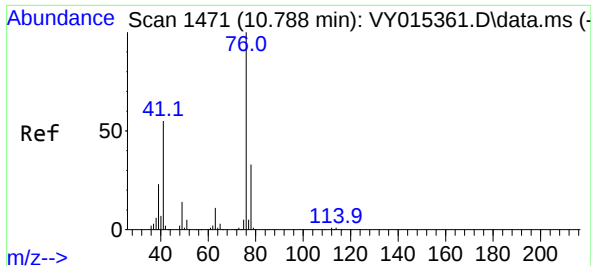


#56  
Ethyl methacrylate  
Concen: 49.574 ug/l  
RT: 10.502 min Scan# 1424  
Delta R.T. -0.006 min  
Lab File: VY015456.D  
Acq: 06 Sep 2023 18:02

Tgt Ion: 69 Resp: 156869

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 63.3  | 57.6  | 86.4  |
| 39  | 35.9  | 34.1  | 51.1  |





#57

1,3-Dichloropropane

Concen: 46.768 ug/l

RT: 10.782 min Scan# 1471

Delta R.T. -0.006 min

Lab File: VY015456.D

Acq: 06 Sep 2023 18:02

Instrument :

MSVOA\_Y

ClientSampleId :

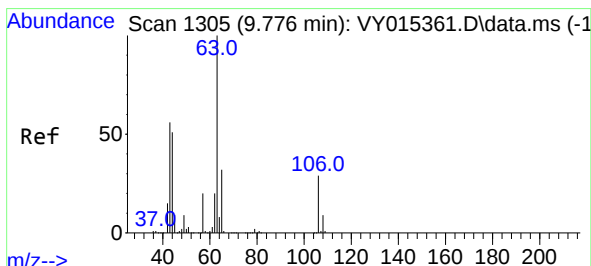
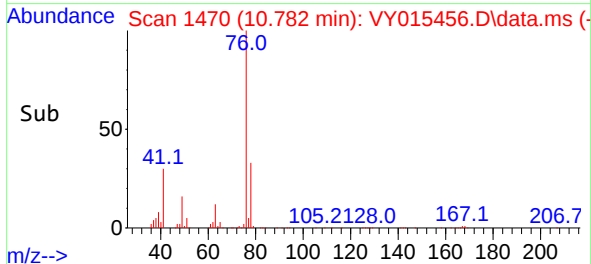
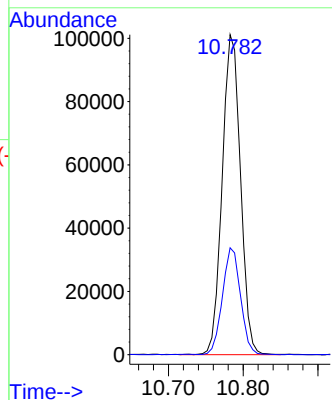
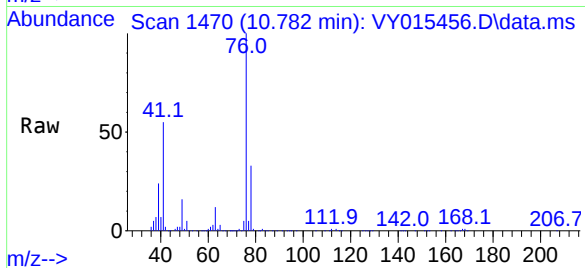
VSTDCCC050EC

Tgt Ion: 76 Resp: 171906

Ion Ratio Lower Upper

76 100

78 33.0 25.3 37.9



#58

2-Chloroethyl Vinyl ether

Concen: 239.454 ug/l

RT: 9.776 min Scan# 1305

Delta R.T. 0.000 min

Lab File: VY015456.D

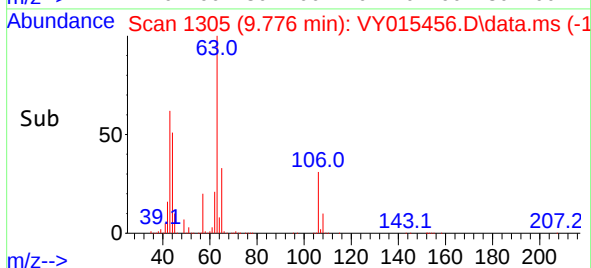
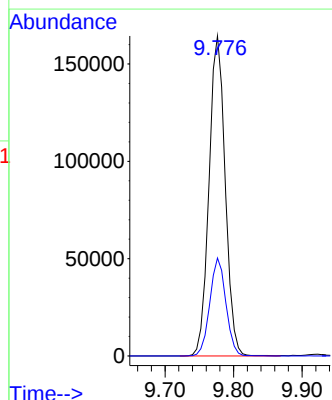
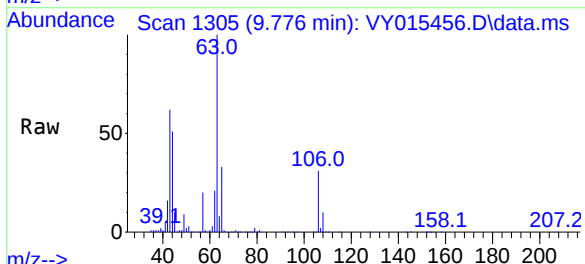
Acq: 06 Sep 2023 18:02

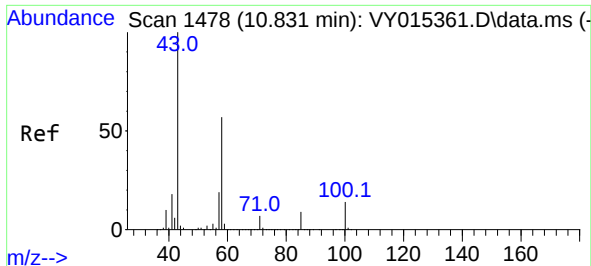
Tgt Ion: 63 Resp: 270454

Ion Ratio Lower Upper

63 100

106 30.3 21.2 31.8

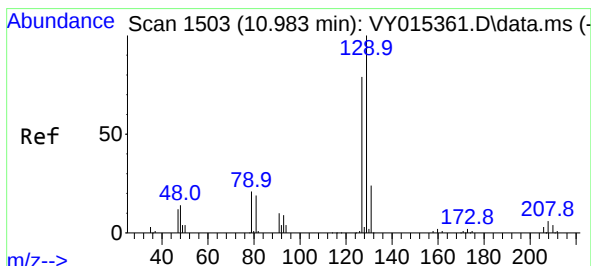
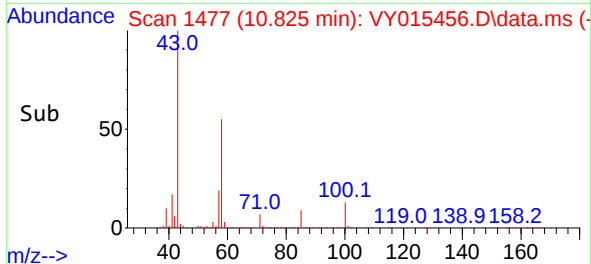
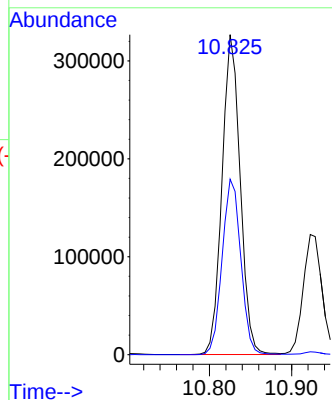
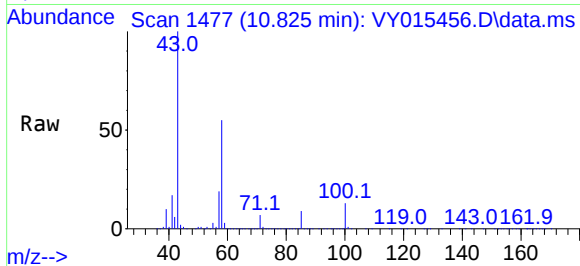




#59  
2-Hexanone  
Concen: 254.439 ug/l  
RT: 10.825 min Scan# 1477  
Delta R.T. -0.006 min  
Lab File: VY015456.D  
Acq: 06 Sep 2023 18:02

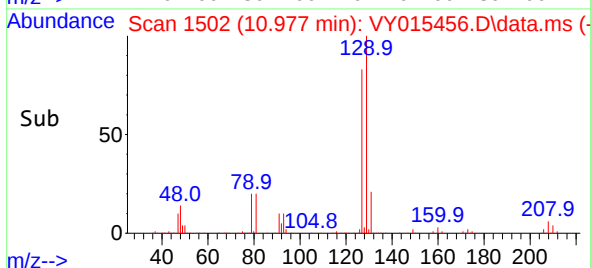
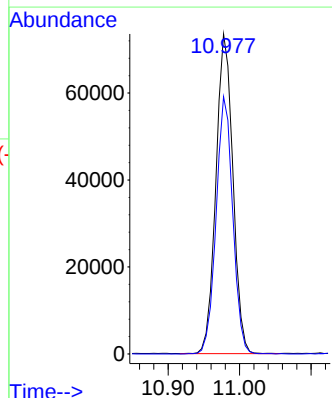
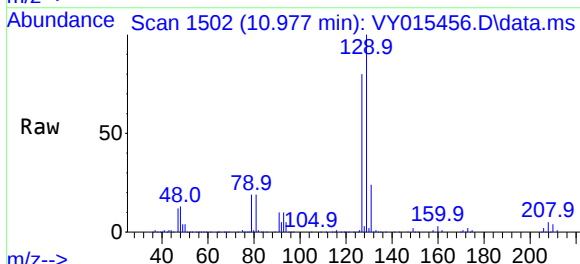
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

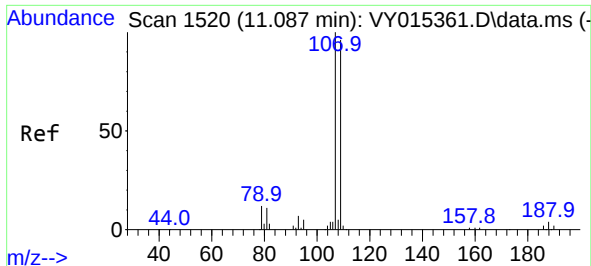
Tgt Ion: 43 Resp: 502003  
Ion Ratio Lower Upper  
43 100  
58 56.4 25.1 75.3



#60  
Dibromochloromethane  
Concen: 48.385 ug/l  
RT: 10.977 min Scan# 1502  
Delta R.T. -0.006 min  
Lab File: VY015456.D  
Acq: 06 Sep 2023 18:02

Tgt Ion:129 Resp: 120928  
Ion Ratio Lower Upper  
129 100  
127 79.2 38.5 115.5

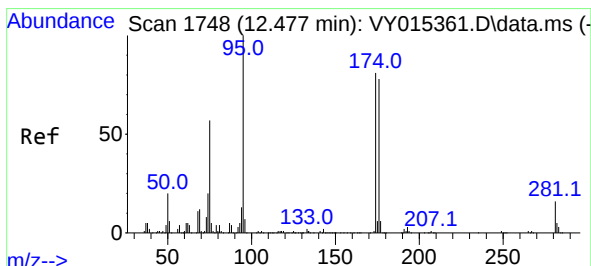
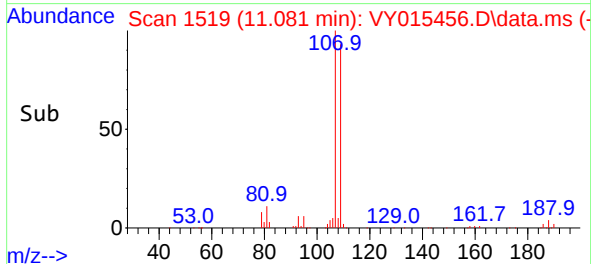
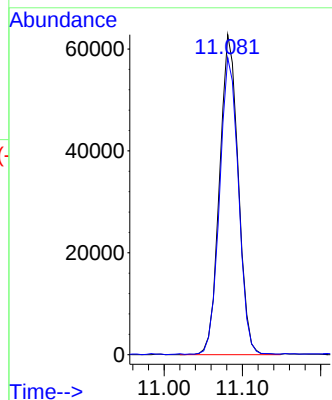
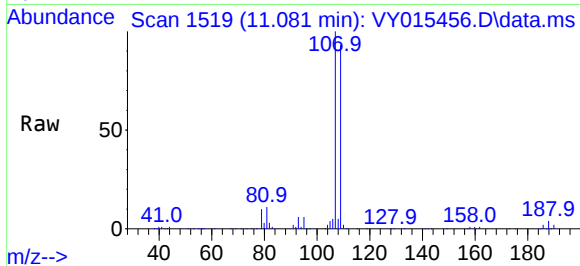




#61  
1,2-Dibromoethane  
Concen: 48.196 ug/l  
RT: 11.081 min Scan# 1520  
Delta R.T. -0.006 min  
Lab File: VY015456.D  
Acq: 06 Sep 2023 18:02

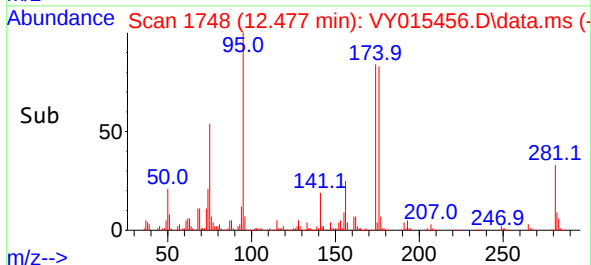
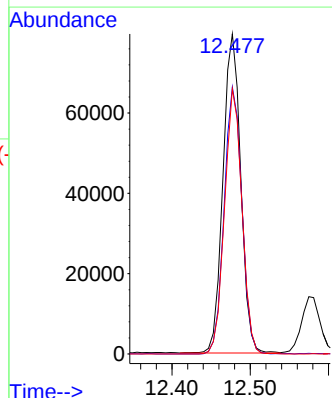
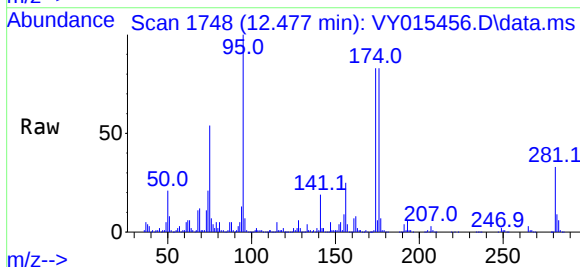
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

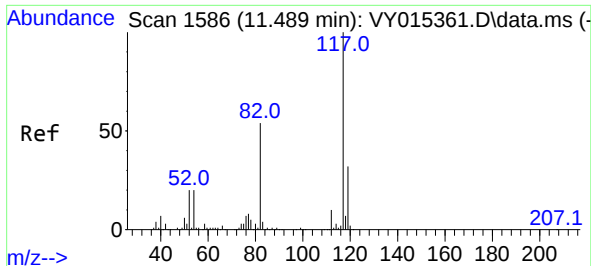
Tgt Ion:107 Resp: 104282  
Ion Ratio Lower Upper  
107 100  
109 93.4 75.6 113.4



#62  
4-Bromofluorobenzene  
Concen: 48.266 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.000 min  
Lab File: VY015456.D  
Acq: 06 Sep 2023 18:02

Tgt Ion: 95 Resp: 125354  
Ion Ratio Lower Upper  
95 100  
174 83.3 0.0 178.2  
176 81.5 0.0 173.8

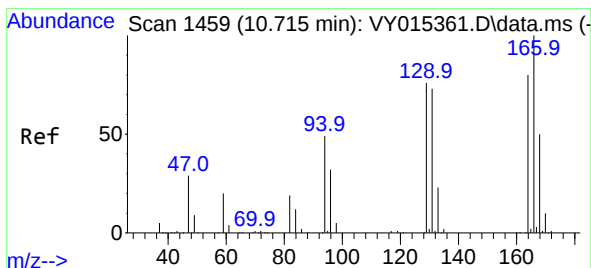
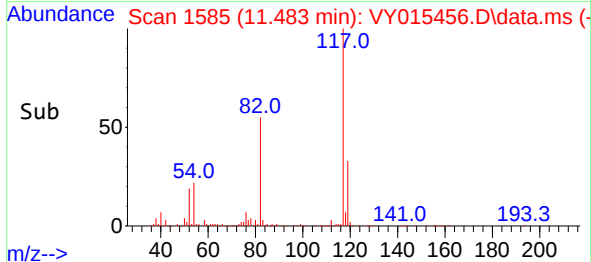
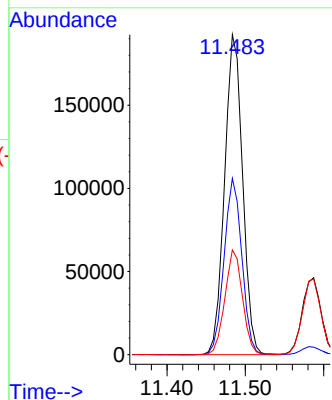
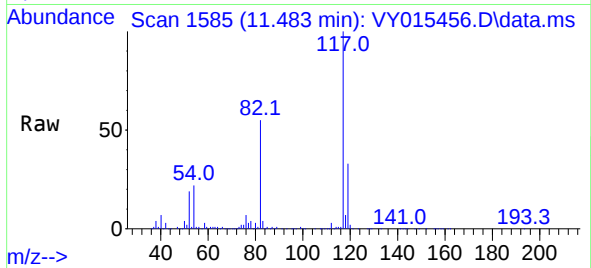




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.483 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY015456.D  
Acq: 06 Sep 2023 18:02

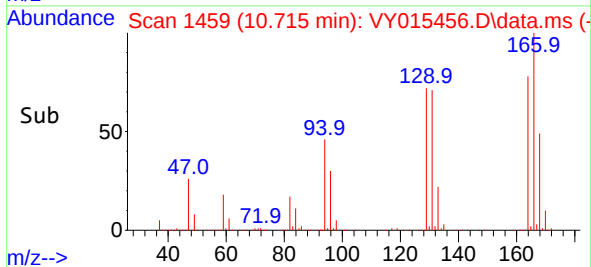
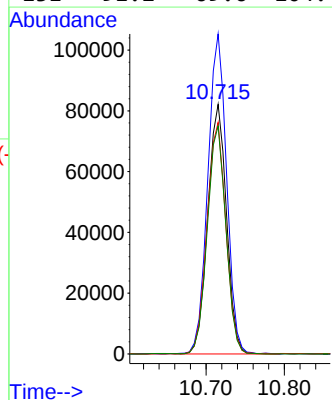
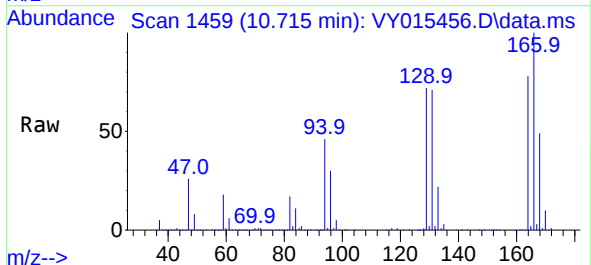
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

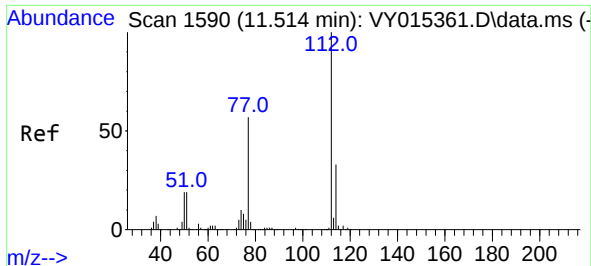
Tgt Ion:117 Resp: 308208  
Ion Ratio Lower Upper  
117 100  
82 55.1 43.4 65.0  
119 32.8 26.3 39.5



#64  
Tetrachloroethene  
Concen: 48.933 ug/l  
RT: 10.715 min Scan# 1459  
Delta R.T. 0.000 min  
Lab File: VY015456.D  
Acq: 06 Sep 2023 18:02

Tgt Ion:164 Resp: 136890  
Ion Ratio Lower Upper  
164 100  
166 128.1 103.0 154.6  
129 92.6 77.2 115.8  
131 91.2 69.6 104.4

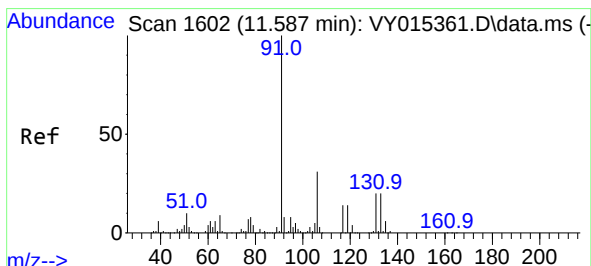
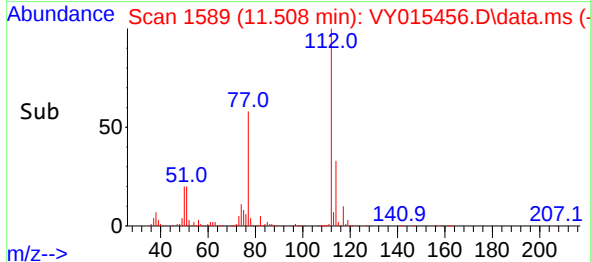
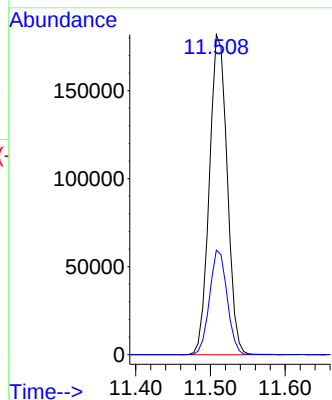
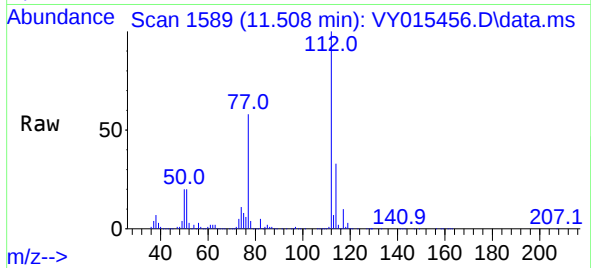




#65  
Chlorobenzene  
Concen: 45.205 ug/l  
RT: 11.508 min Scan# 1159  
Delta R.T. -0.006 min  
Lab File: VY015456.D  
Acq: 06 Sep 2023 18:02

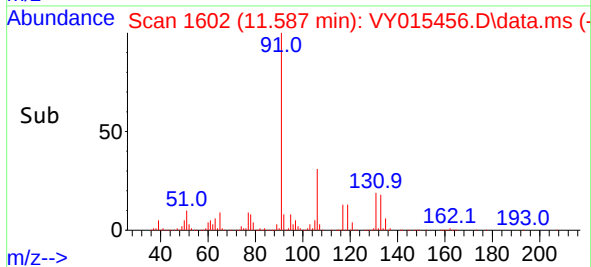
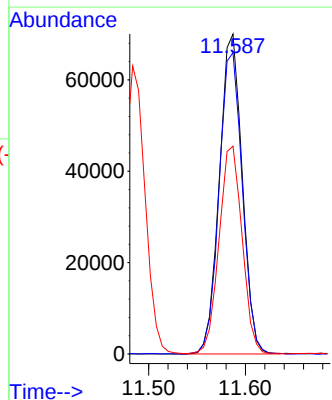
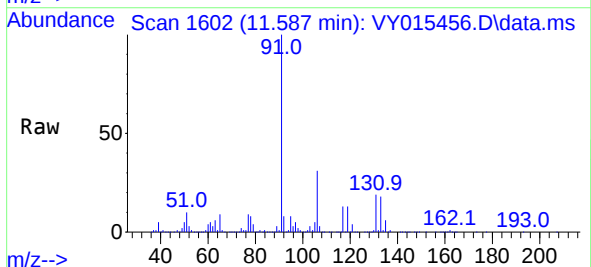
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

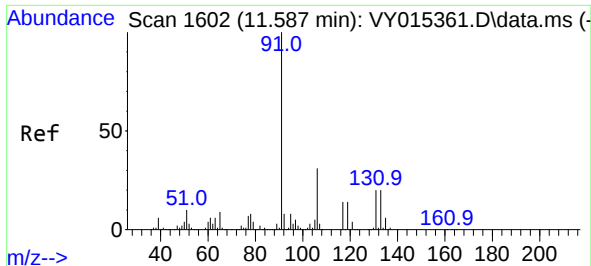
Tgt Ion:112 Resp: 300232  
Ion Ratio Lower Upper  
112 100  
114 32.7 25.5 38.3



#66  
1,1,1,2-Tetrachloroethane  
Concen: 47.162 ug/l  
RT: 11.587 min Scan# 1602  
Delta R.T. 0.000 min  
Lab File: VY015456.D  
Acq: 06 Sep 2023 18:02

Tgt Ion:131 Resp: 114645  
Ion Ratio Lower Upper  
131 100  
133 95.7 47.5 142.6  
119 65.8 31.6 94.7

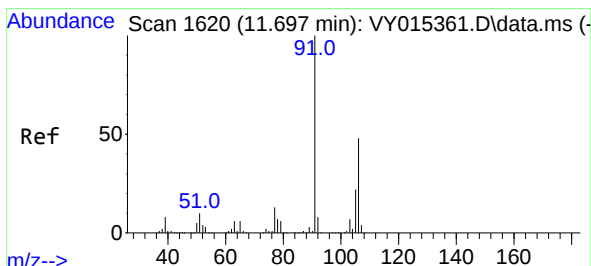
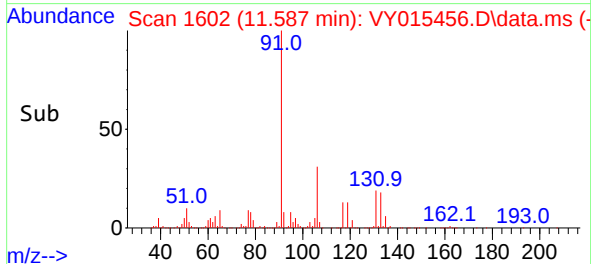
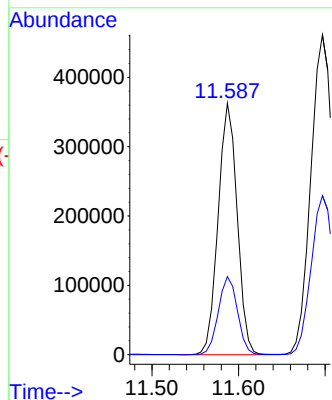
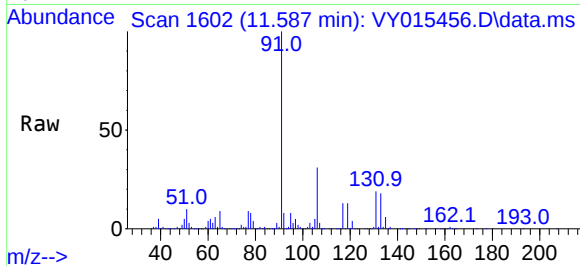




#67  
Ethyl Benzene  
Concen: 46.402 ug/l  
RT: 11.587 min Scan# 1602  
Delta R.T. 0.000 min  
Lab File: VY015456.D  
Acq: 06 Sep 2023 18:02

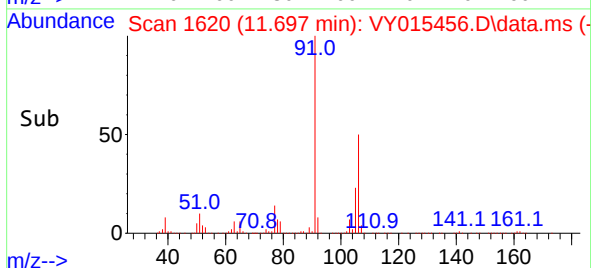
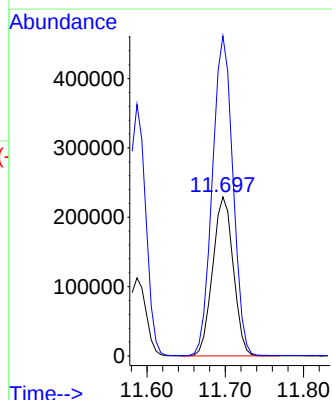
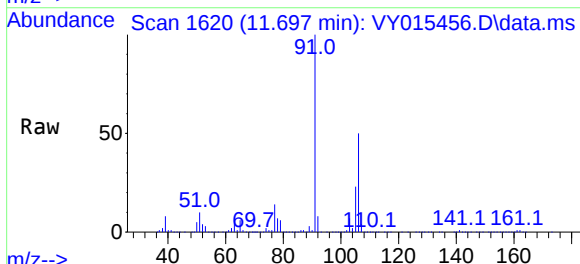
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

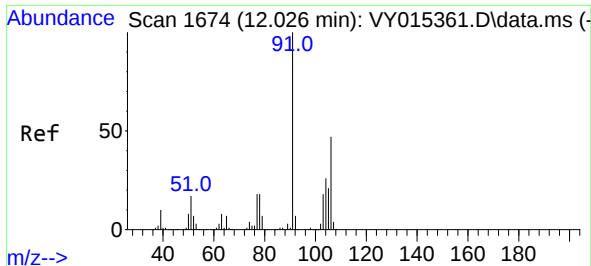
Tgt Ion: 91 Resp: 553373  
Ion Ratio Lower Upper  
91 100  
106 31.1 24.6 36.8



#68  
m/p-Xylenes  
Concen: 90.670 ug/l  
RT: 11.697 min Scan# 1620  
Delta R.T. -0.006 min  
Lab File: VY015456.D  
Acq: 06 Sep 2023 18:02

Tgt Ion:106 Resp: 419132  
Ion Ratio Lower Upper  
106 100  
91 200.7 166.1 249.1

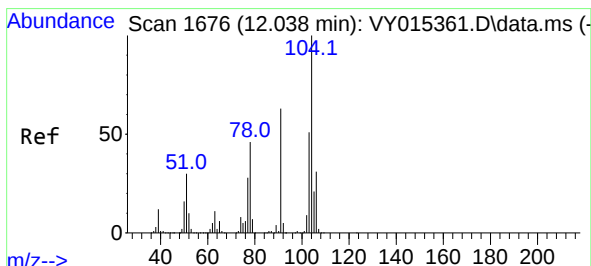
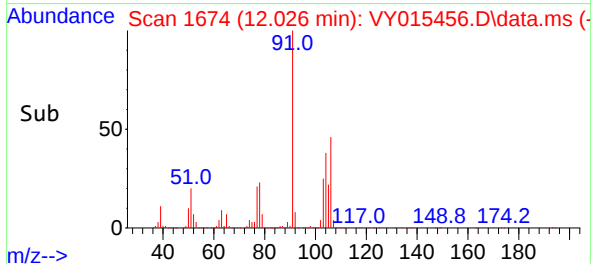
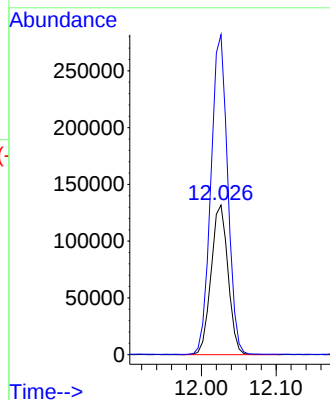
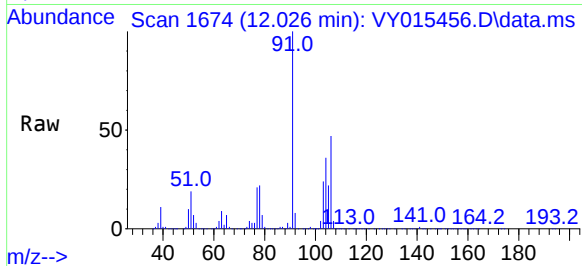




#69  
o-Xylene  
Concen: 47.001 ug/l  
RT: 12.026 min Scan# 1674  
Delta R.T. 0.000 min  
Lab File: VY015456.D  
Acq: 06 Sep 2023 18:02

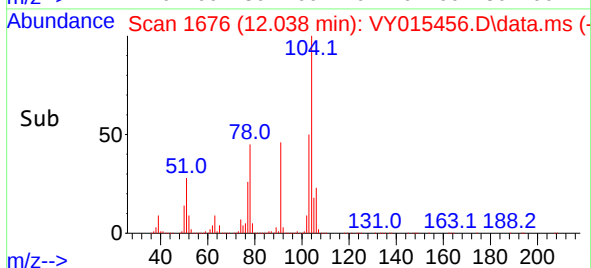
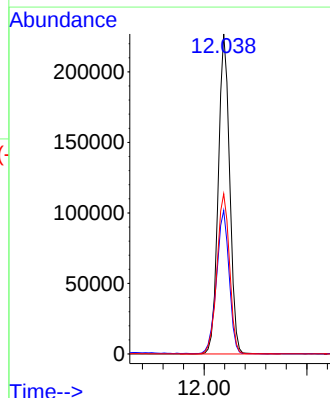
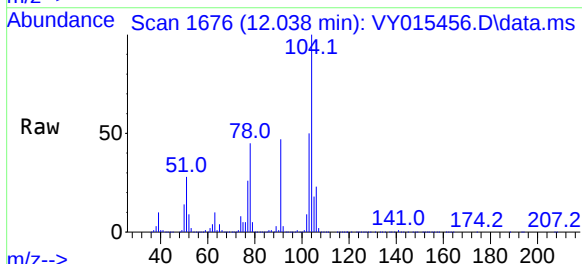
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

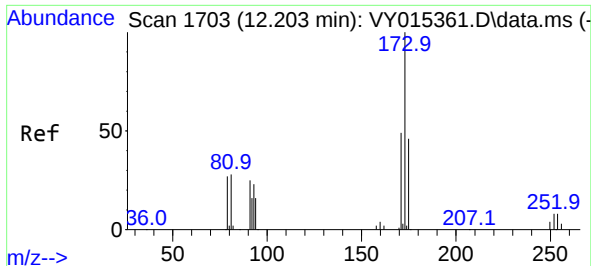
Tgt Ion:106 Resp: 207640  
Ion Ratio Lower Upper  
106 100  
91 211.6 108.1 324.3



#70  
Styrene  
Concen: 46.986 ug/l  
RT: 12.038 min Scan# 1676  
Delta R.T. -0.006 min  
Lab File: VY015456.D  
Acq: 06 Sep 2023 18:02

Tgt Ion:104 Resp: 349017  
Ion Ratio Lower Upper  
104 100  
78 49.3 41.5 62.3  
103 55.0 44.6 67.0

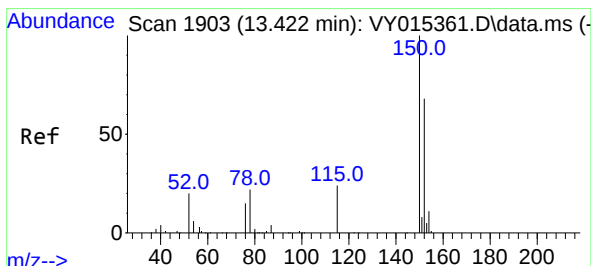
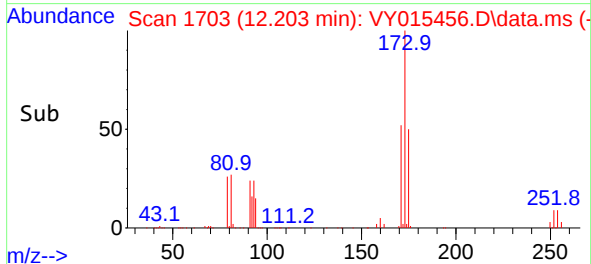
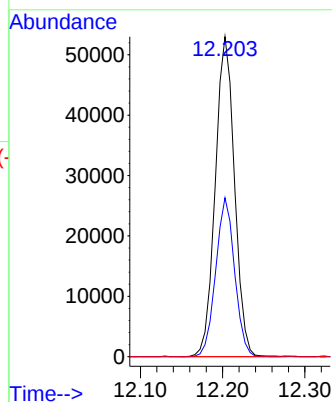
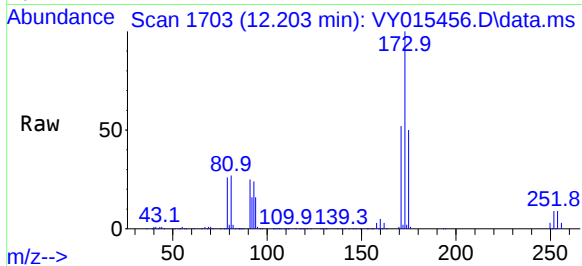




#71  
Bromoform  
Concen: 50.855 ug/l  
RT: 12.203 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY015456.D  
Acq: 06 Sep 2023 18:02

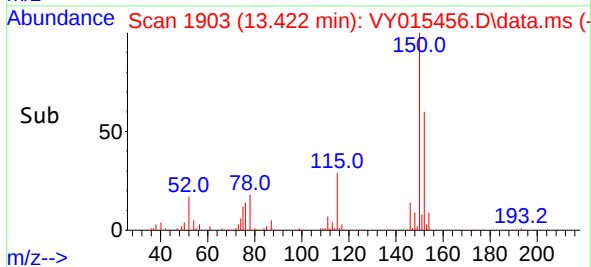
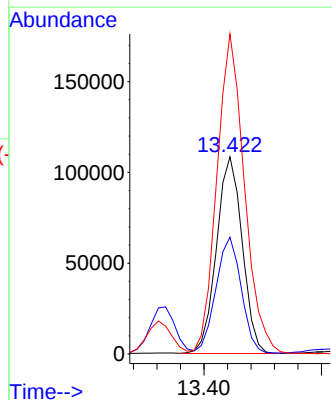
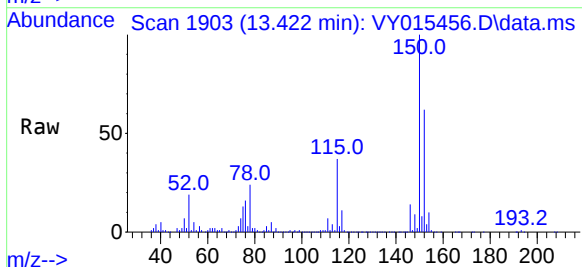
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

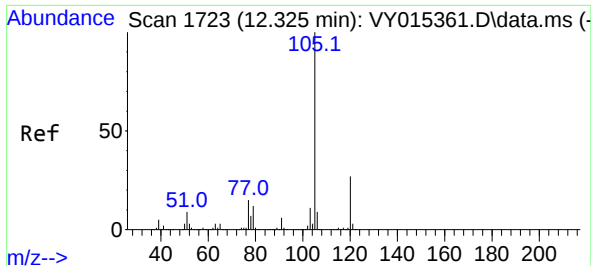
Tgt Ion:173 Resp: 86235  
Ion Ratio Lower Upper  
173 100  
175 48.6 24.6 73.8  
254 0.0 0.2 0.2#



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. 0.000 min  
Lab File: VY015456.D  
Acq: 06 Sep 2023 18:02

Tgt Ion:152 Resp: 164941  
Ion Ratio Lower Upper  
152 100  
115 57.6 28.8 86.5  
150 174.3 0.0 348.8

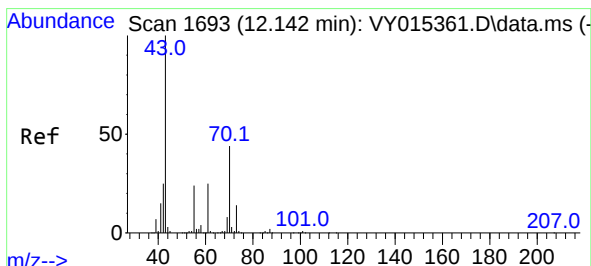
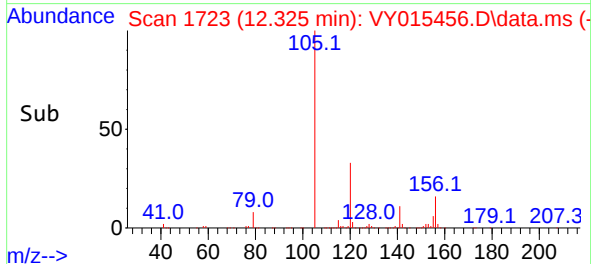
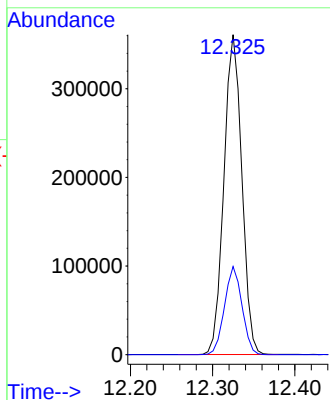
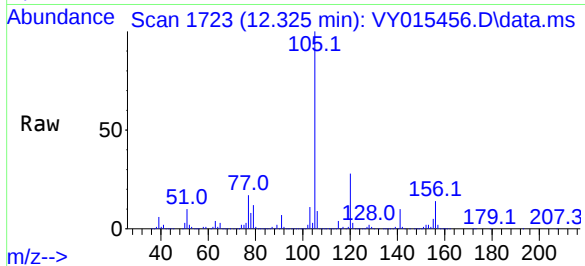




#73  
Isopropylbenzene  
Concen: 44.073 ug/l  
RT: 12.325 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY015456.D  
Acq: 06 Sep 2023 18:02

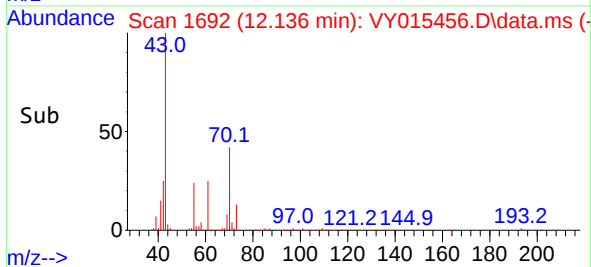
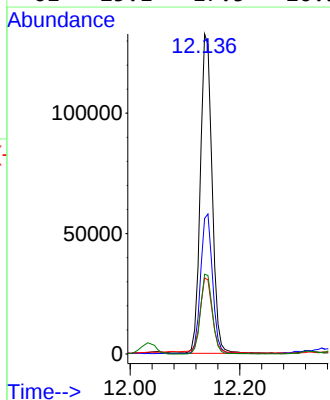
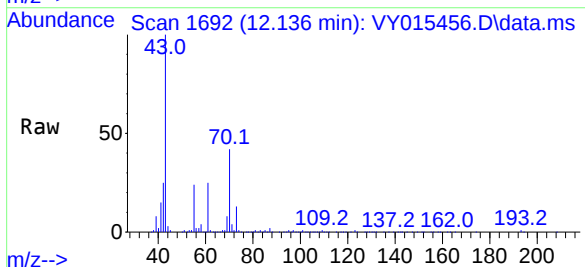
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

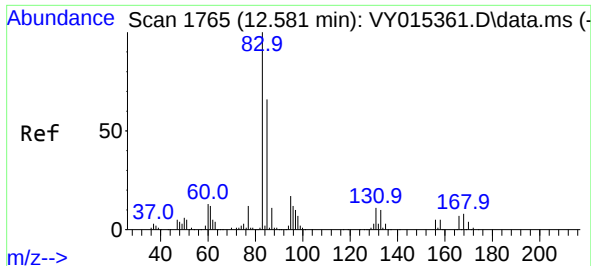
Tgt Ion:105 Resp: 546035  
Ion Ratio Lower Upper  
105 100  
120 26.9 13.3 39.9



#74  
N-ethyl acetate  
Concen: 47.370 ug/l  
RT: 12.136 min Scan# 1692  
Delta R.T. -0.006 min  
Lab File: VY015456.D  
Acq: 06 Sep 2023 18:02

Tgt Ion: 43 Resp: 197169  
Ion Ratio Lower Upper  
43 100  
70 44.3 29.7 44.5  
55 25.2 18.3 27.5  
61 25.1 17.5 26.3

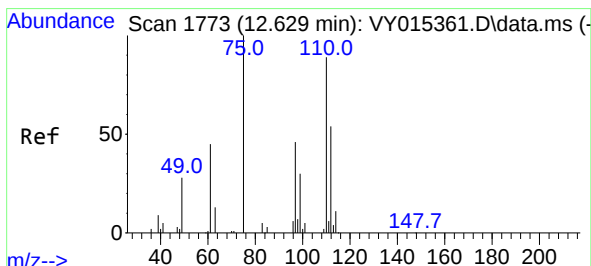
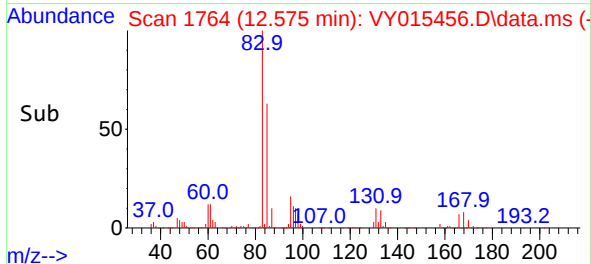
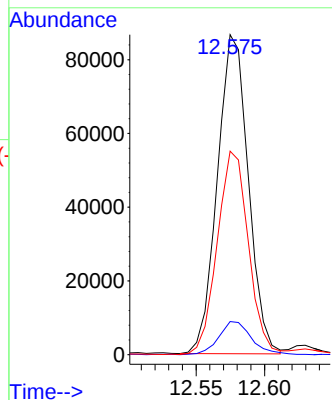
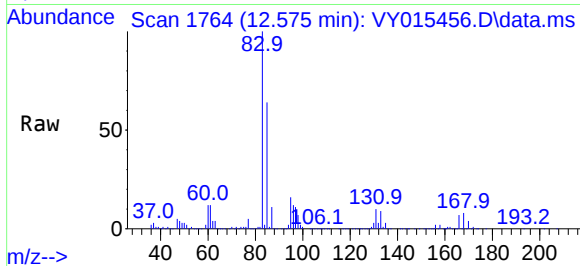




#75  
1,1,2,2-Tetrachloroethane  
Concen: 45.906 ug/l  
RT: 12.575 min Scan# 1764  
Delta R.T. -0.006 min  
Lab File: VY015456.D  
Acq: 06 Sep 2023 18:02

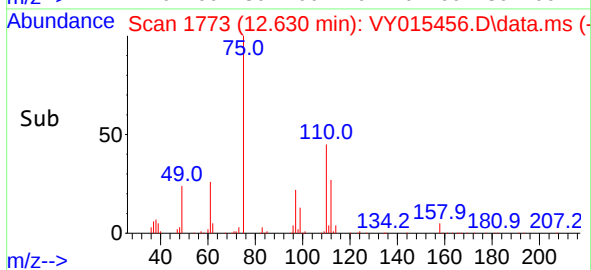
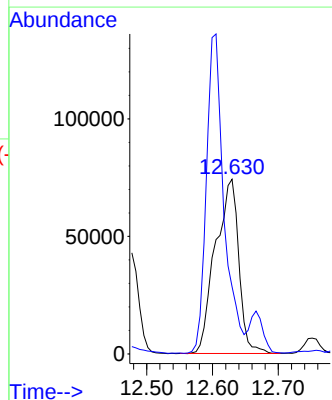
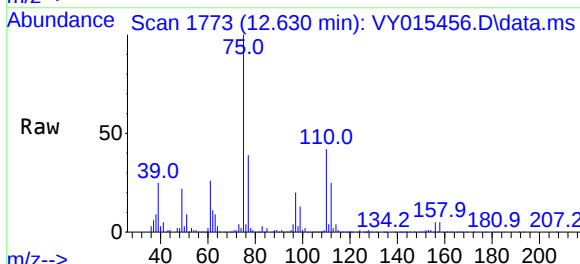
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

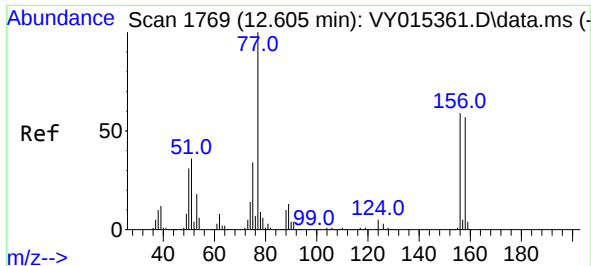
Tgt Ion: 83 Resp: 135770  
Ion Ratio Lower Upper  
83 100  
131 11.0 5.4 16.2  
85 64.4 31.8 95.4



#76  
1,2,3-Trichloropropane  
Concen: 84.105 ug/l  
RT: 12.630 min Scan# 1773  
Delta R.T. 0.000 min  
Lab File: VY015456.D  
Acq: 06 Sep 2023 18:02

Tgt Ion: 75 Resp: 183963  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0

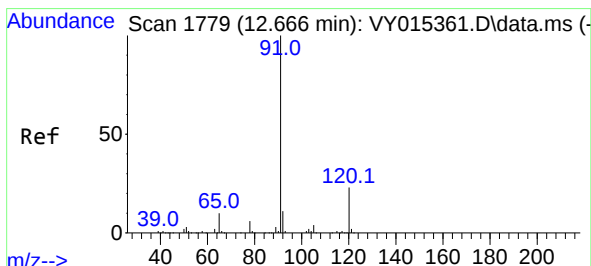
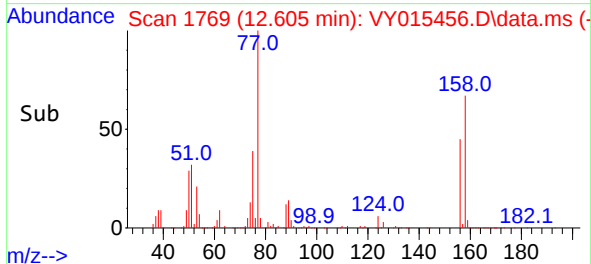
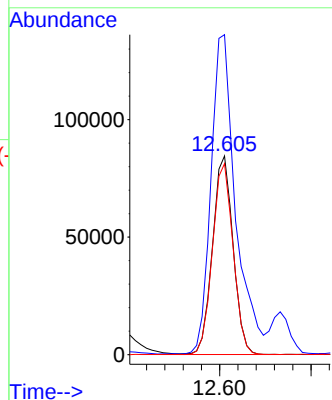
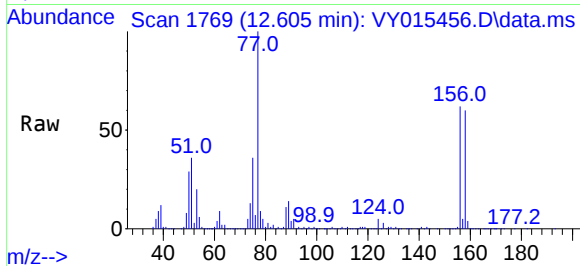




#77  
Bromobenzene  
Concen: 45.009 ug/l  
RT: 12.605 min Scan# 1769  
Delta R.T. 0.000 min  
Lab File: VY015456.D  
Acq: 06 Sep 2023 18:02

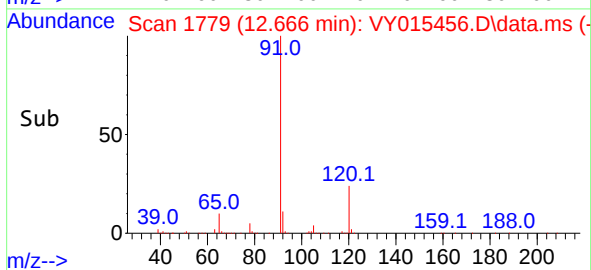
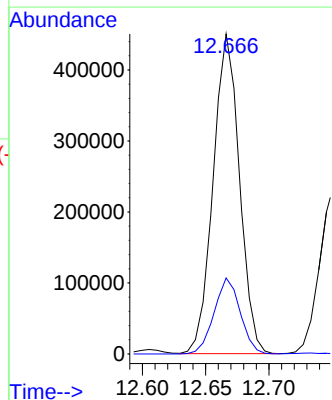
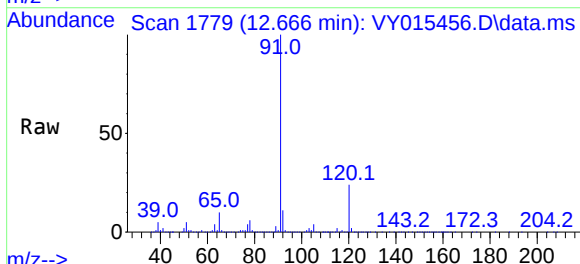
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

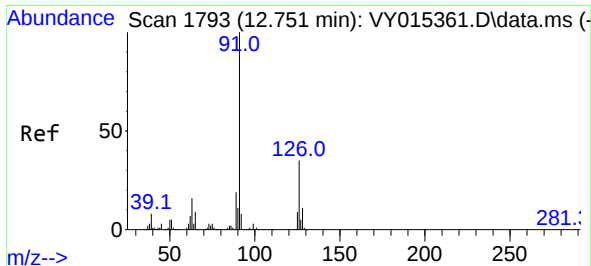
Tgt Ion:156 Resp: 132072  
Ion Ratio Lower Upper  
156 100  
77 191.6 92.8 278.6  
158 96.8 48.4 145.3



#78  
n-propylbenzene  
Concen: 43.394 ug/l  
RT: 12.666 min Scan# 1779  
Delta R.T. 0.000 min  
Lab File: VY015456.D  
Acq: 06 Sep 2023 18:02

Tgt Ion: 91 Resp: 650537  
Ion Ratio Lower Upper  
91 100  
120 23.6 11.5 34.4

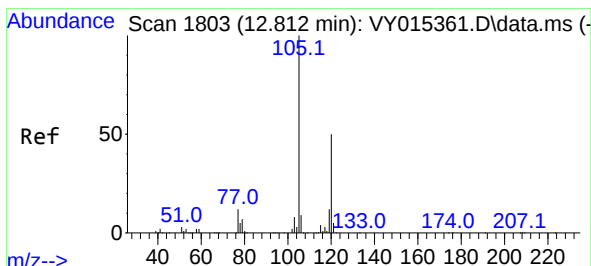
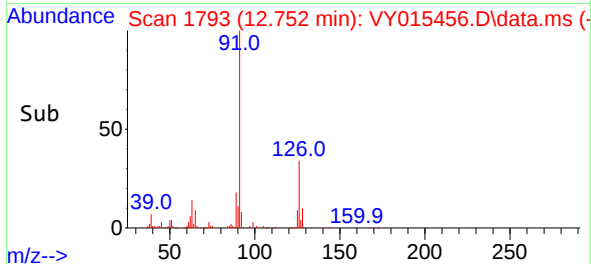
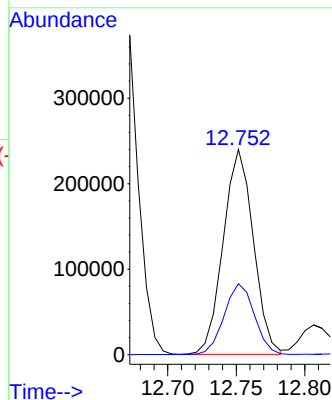
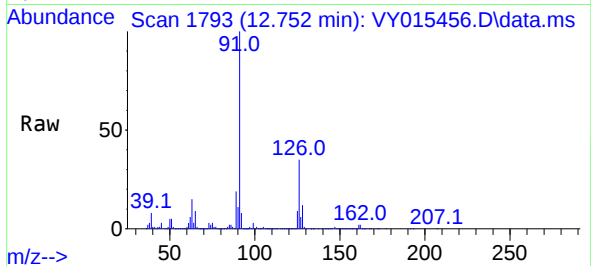




#79  
2-Chlorotoluene  
Concen: 43.603 ug/l  
RT: 12.752 min Scan# 1793  
Delta R.T. 0.000 min  
Lab File: VY015456.D  
Acq: 06 Sep 2023 18:02

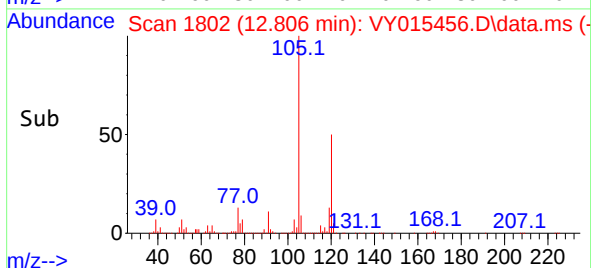
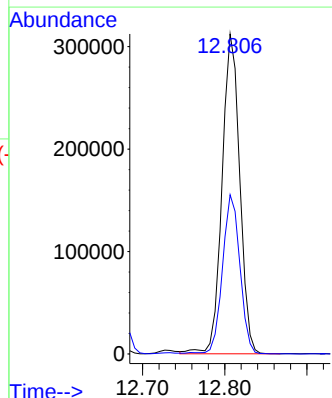
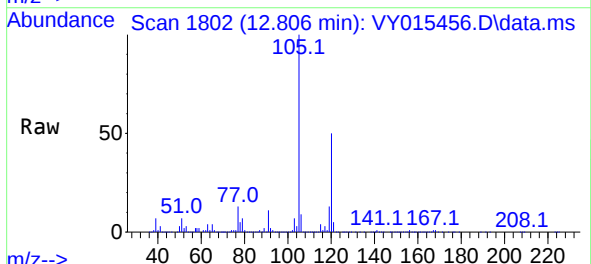
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

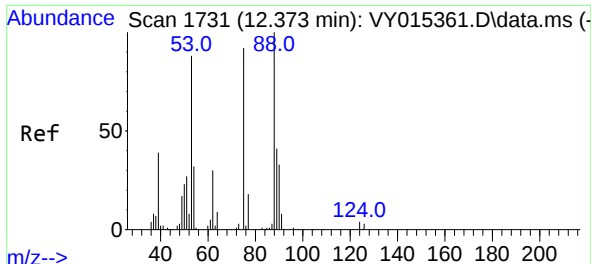
Tgt Ion: 91 Resp: 366630  
Ion Ratio Lower Upper  
91 100  
126 34.7 17.3 51.7



#80  
1,3,5-Trimethylbenzene  
Concen: 45.112 ug/l  
RT: 12.806 min Scan# 1802  
Delta R.T. -0.006 min  
Lab File: VY015456.D  
Acq: 06 Sep 2023 18:02

Tgt Ion: 105 Resp: 467484  
Ion Ratio Lower Upper  
105 100  
120 49.1 23.9 71.7

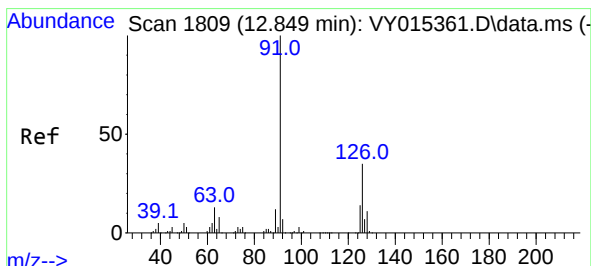
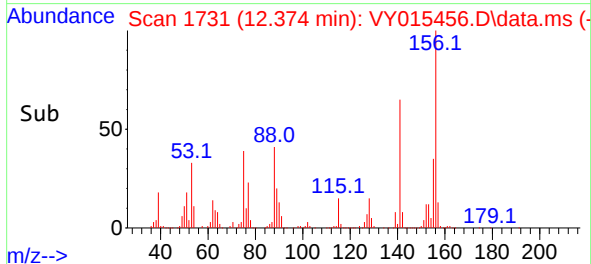
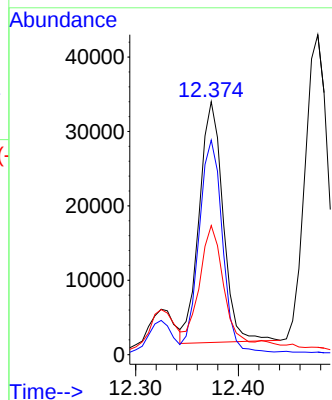
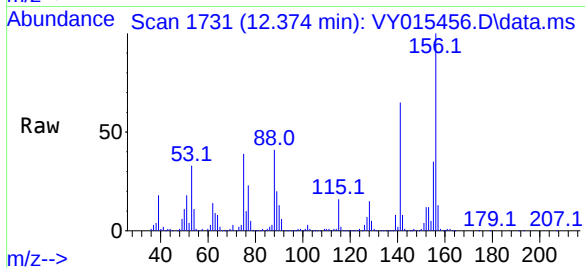




#81  
trans-1,4-Dichloro-2-butene  
Concen: 52.445 ug/l  
RT: 12.374 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY015456.D  
Acq: 06 Sep 2023 18:02

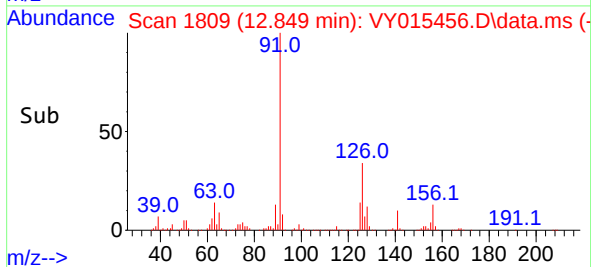
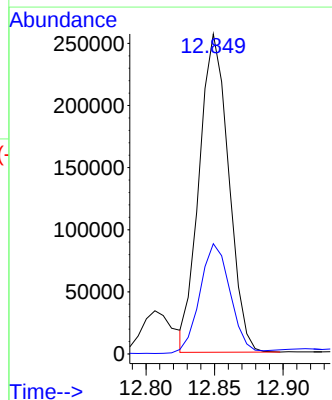
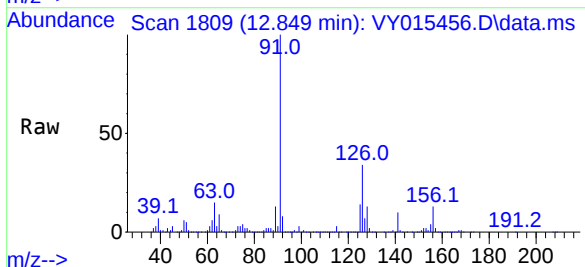
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MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

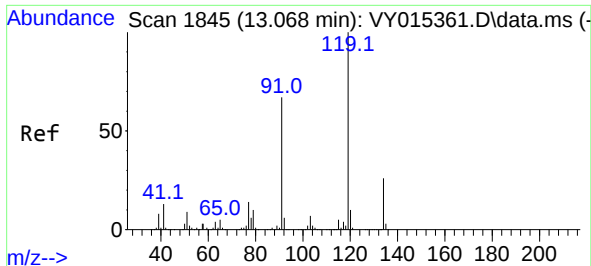
Tgt Ion: 75 Resp: 52003  
Ion Ratio Lower Upper  
75 100  
53 87.0 77.8 116.8  
89 49.4 37.4 56.0



#82  
4-Chlorotoluene  
Concen: 43.762 ug/l  
RT: 12.849 min Scan# 1809  
Delta R.T. 0.000 min  
Lab File: VY015456.D  
Acq: 06 Sep 2023 18:02

Tgt Ion: 91 Resp: 382429  
Ion Ratio Lower Upper  
91 100  
126 35.7 17.2 51.6

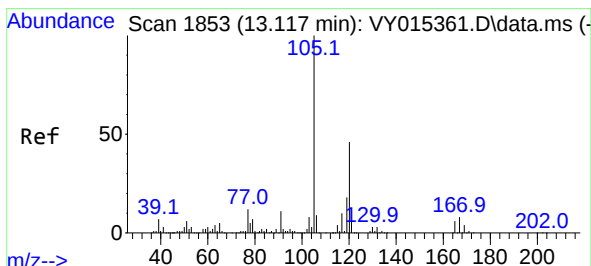
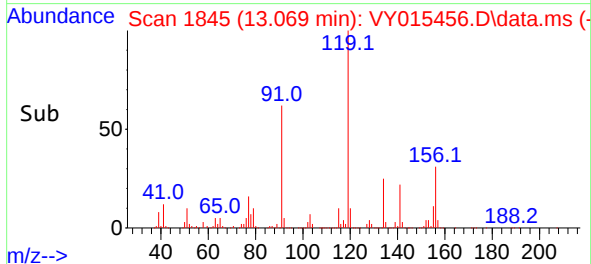
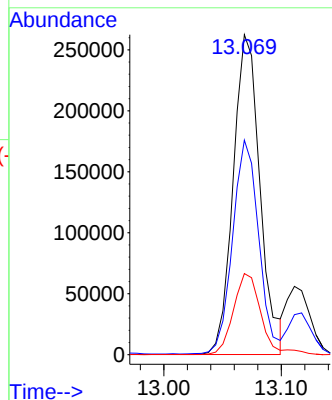
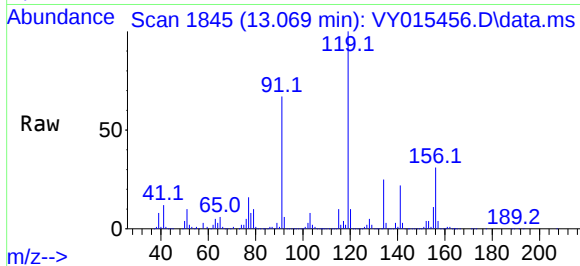




#83  
tert-Butylbenzene  
Concen: 45.843 ug/l  
RT: 13.069 min Scan# 119  
Delta R.T. -0.006 min  
Lab File: VY015456.D  
Acq: 06 Sep 2023 18:02

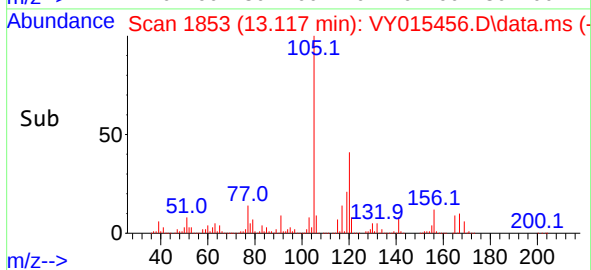
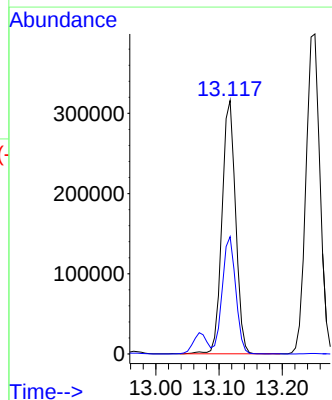
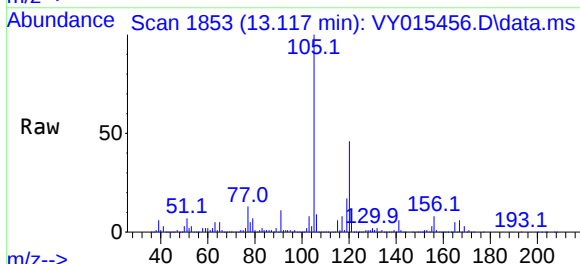
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

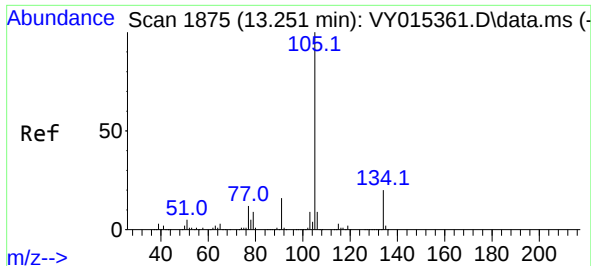
Tgt Ion:119 Resp: 416092  
Ion Ratio Lower Upper  
119 100  
91 65.3 32.9 98.6  
134 26.2 13.0 38.9



#84  
1,2,4-Trimethylbenzene  
Concen: 45.622 ug/l  
RT: 13.117 min Scan# 1853  
Delta R.T. 0.000 min  
Lab File: VY015456.D  
Acq: 06 Sep 2023 18:02

Tgt Ion:105 Resp: 469411  
Ion Ratio Lower Upper  
105 100  
120 45.8 22.2 66.6

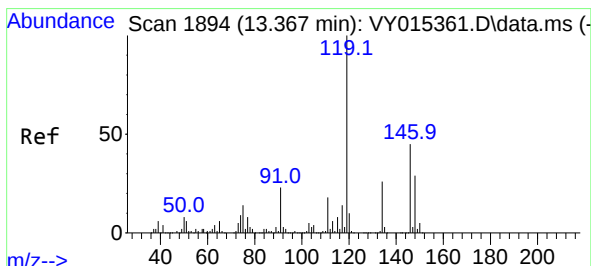
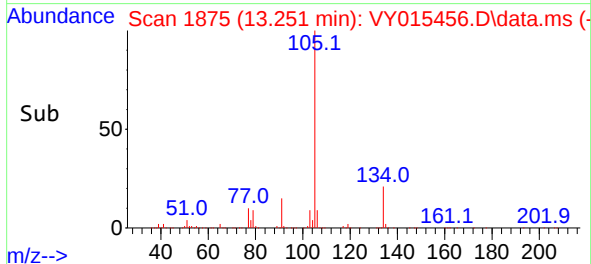
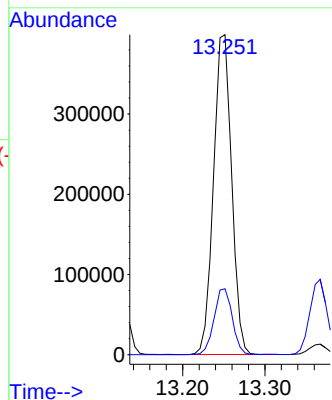
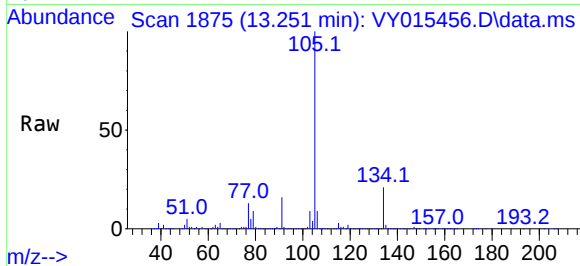




#85  
 sec-Butylbenzene  
 Concen: 45.058 ug/l  
 RT: 13.251 min Scan# 1875  
 Delta R.T. 0.000 min  
 Lab File: VY015456.D  
 Acq: 06 Sep 2023 18:02

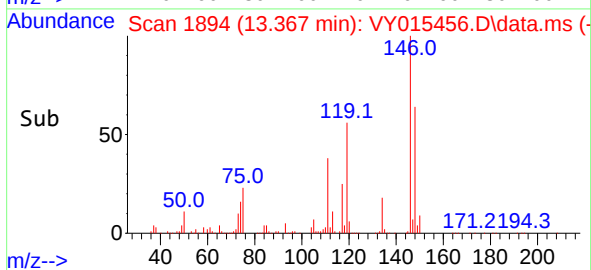
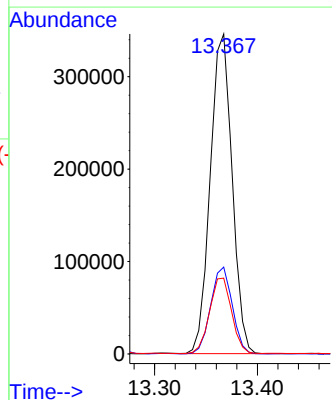
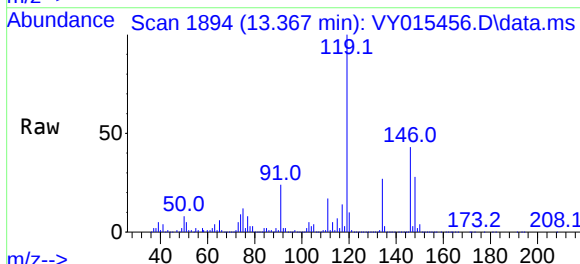
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 ClientSampleId :  
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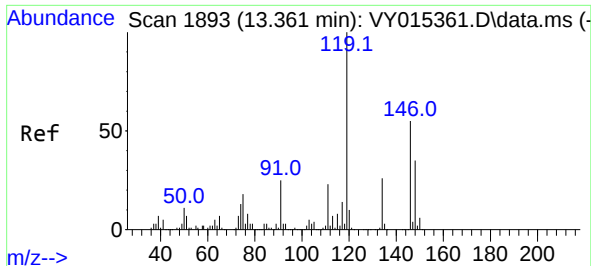
Tgt Ion:105 Resp: 609993  
 Ion Ratio Lower Upper  
 105 100  
 134 20.8 10.2 30.6



#86  
 p-Isopropyltoluene  
 Concen: 45.017 ug/l  
 RT: 13.367 min Scan# 1894  
 Delta R.T. 0.000 min  
 Lab File: VY015456.D  
 Acq: 06 Sep 2023 18:02

Tgt Ion:119 Resp: 510779  
 Ion Ratio Lower Upper  
 119 100  
 134 26.8 13.3 39.8  
 91 23.9 12.4 37.4

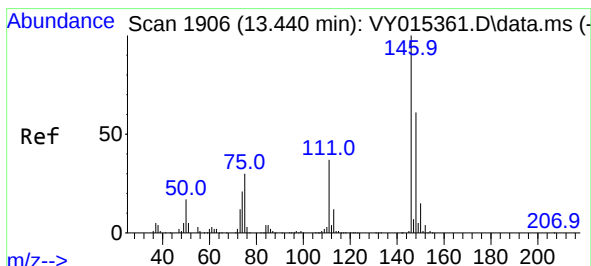
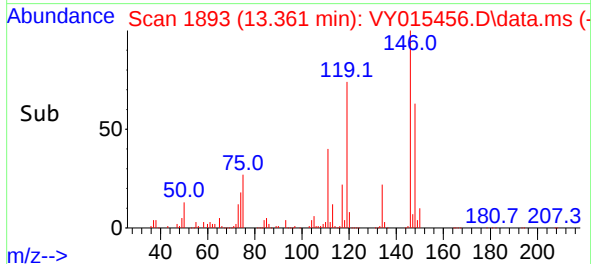
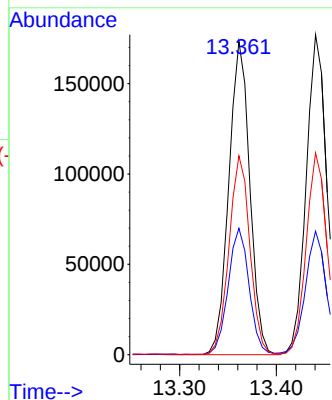
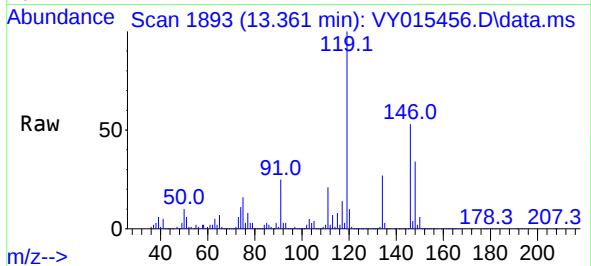




#87  
1,3-Dichlorobenzene  
Concen: 45.052 ug/l  
RT: 13.361 min Scan# 1893  
Delta R.T. 0.000 min  
Lab File: VY015456.D  
Acq: 06 Sep 2023 18:02

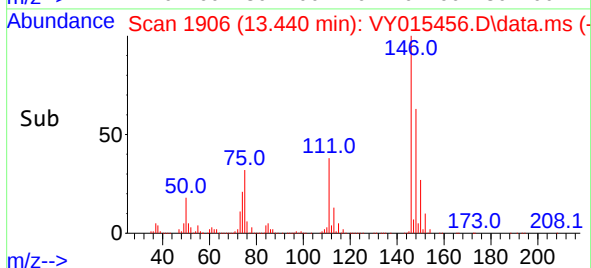
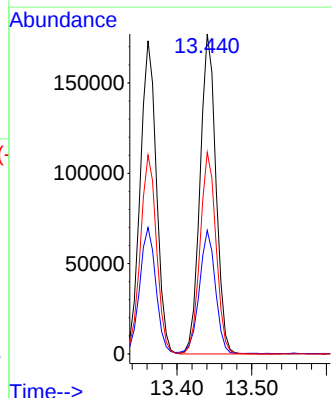
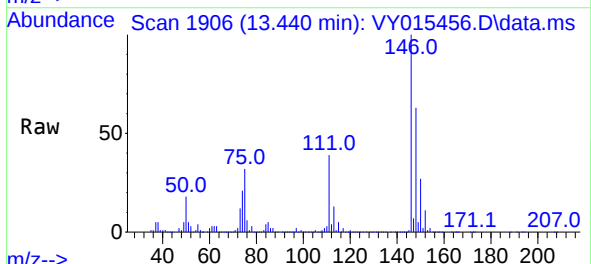
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MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

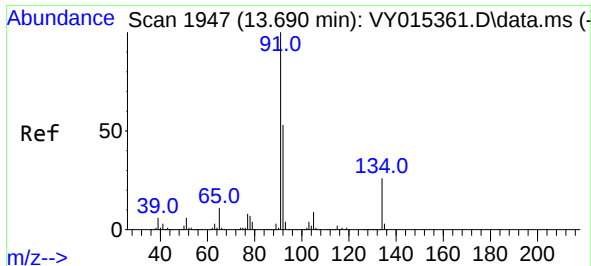
Tgt Ion:146 Resp: 260983  
Ion Ratio Lower Upper  
146 100  
111 40.3 19.4 58.2  
148 63.1 31.9 95.5



#88  
1,4-Dichlorobenzene  
Concen: 44.628 ug/l  
RT: 13.440 min Scan# 1906  
Delta R.T. -0.006 min  
Lab File: VY015456.D  
Acq: 06 Sep 2023 18:02

Tgt Ion:146 Resp: 261335  
Ion Ratio Lower Upper  
146 100  
111 38.7 18.9 56.7  
148 63.2 32.1 96.5

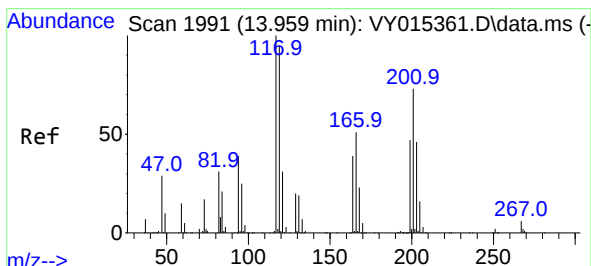
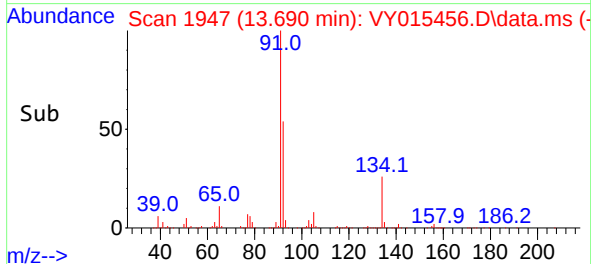
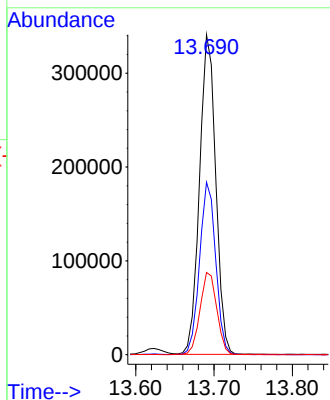
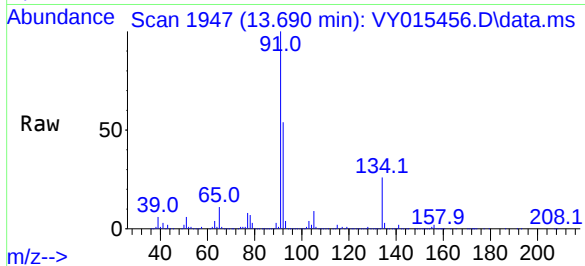




#89  
n-Butylbenzene  
Concen: 45.917 ug/l  
RT: 13.690 min Scan# 1947  
Delta R.T. -0.006 min  
Lab File: VY015456.D  
Acq: 06 Sep 2023 18:02

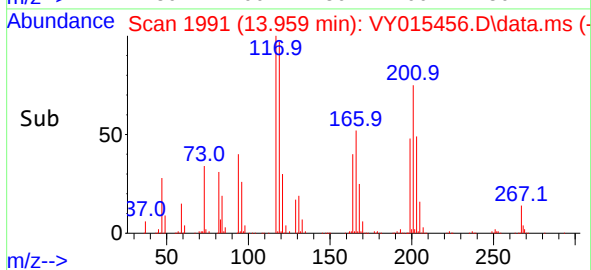
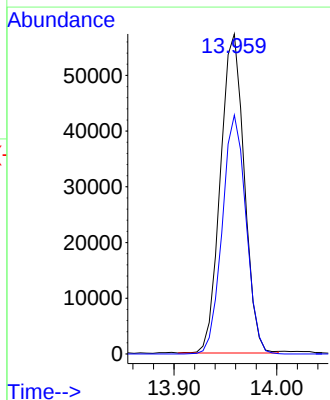
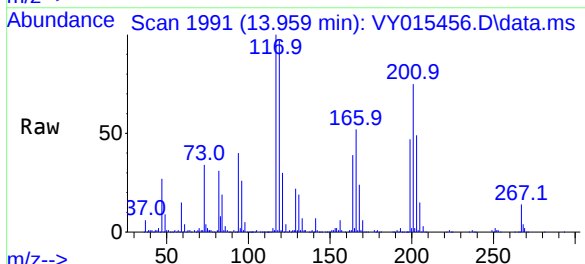
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

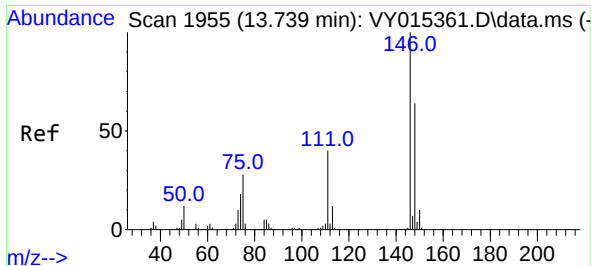
Tgt Ion: 91 Resp: 490363  
Ion Ratio Lower Upper  
91 100  
92 53.6 25.4 76.0  
134 26.5 12.6 37.6



#90  
Hexachloroethane  
Concen: 45.505 ug/l  
RT: 13.959 min Scan# 1991  
Delta R.T. 0.000 min  
Lab File: VY015456.D  
Acq: 06 Sep 2023 18:02

Tgt Ion: 117 Resp: 92343  
Ion Ratio Lower Upper  
117 100  
201 74.6 41.6 124.8





#91

1,2-Dichlorobenzene

Concen: 45.790 ug/l

RT: 13.733 min Scan# 1955

Delta R.T. -0.006 min

Lab File: VY015456.D

Acq: 06 Sep 2023 18:02

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

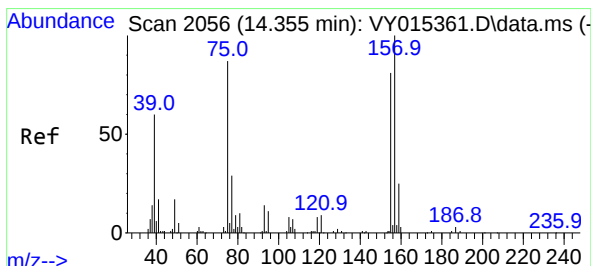
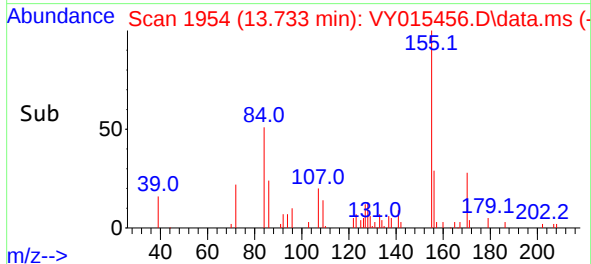
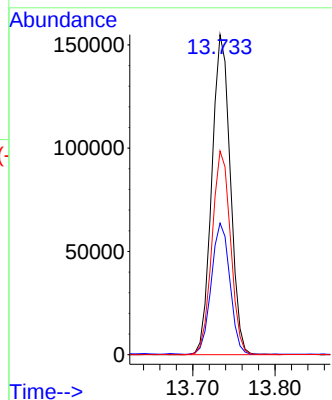
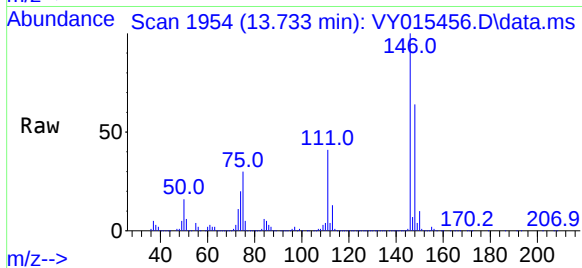
Tgt Ion:146 Resp: 242076

Ion Ratio Lower Upper

146 100

111 41.1 19.7 59.0

148 64.0 32.0 96.2



#92

1,2-Dibromo-3-Chloropropane

Concen: 51.436 ug/l

RT: 14.349 min Scan# 2055

Delta R.T. -0.006 min

Lab File: VY015456.D

Acq: 06 Sep 2023 18:02

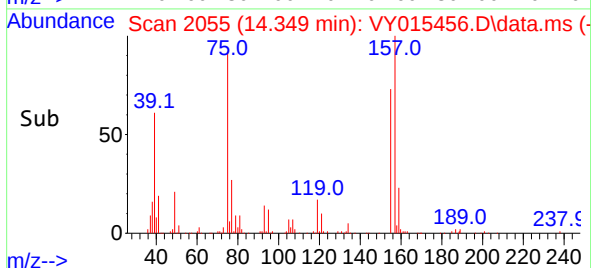
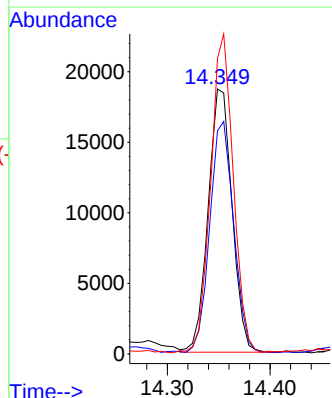
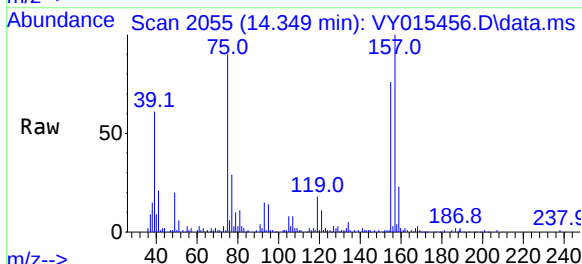
Tgt Ion: 75 Resp: 30093

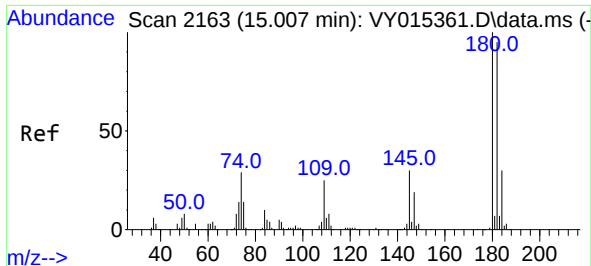
Ion Ratio Lower Upper

75 100

155 87.6 41.5 124.6

157 114.8 51.8 155.5

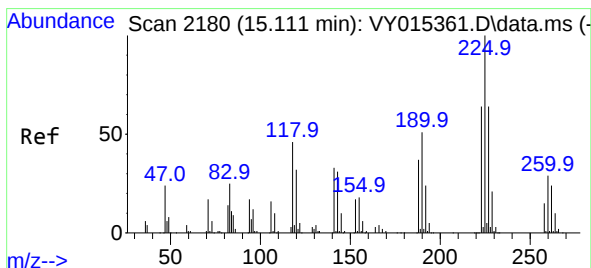
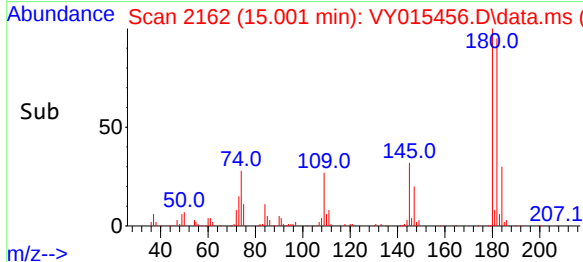
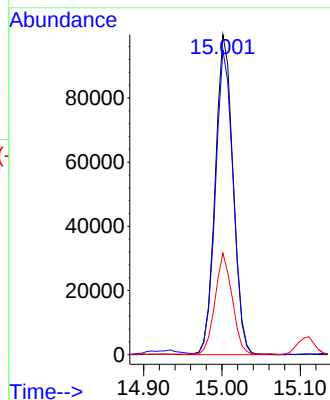
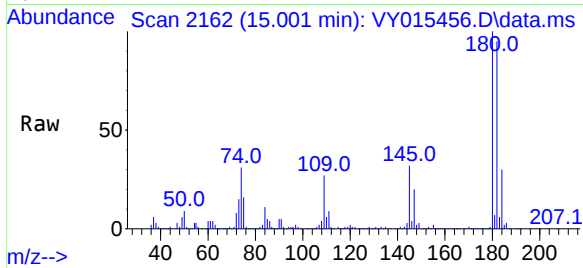




#93  
1,2,4-Trichlorobenzene  
Concen: 47.569 ug/l  
RT: 15.001 min Scan# 2162  
Delta R.T. 0.000 min  
Lab File: VY015456.D  
Acq: 06 Sep 2023 18:02

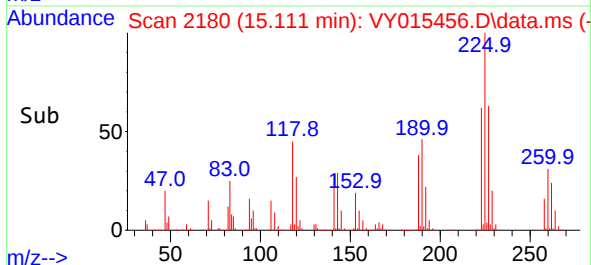
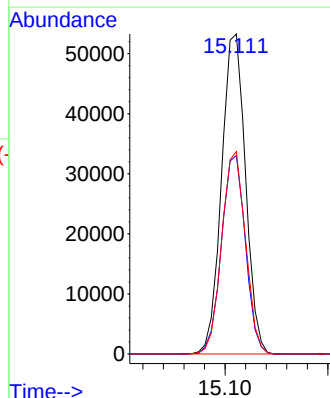
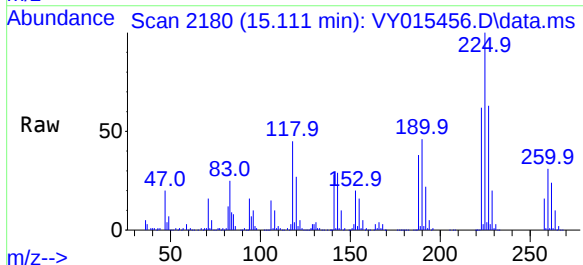
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

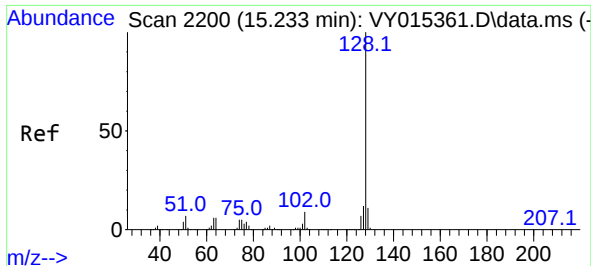
Tgt Ion:180 Resp: 157929  
Ion Ratio Lower Upper  
180 100  
182 94.7 47.0 141.2  
145 30.2 14.5 43.5



#94  
Hexachlorobutadiene  
Concen: 47.594 ug/l  
RT: 15.111 min Scan# 2180  
Delta R.T. 0.000 min  
Lab File: VY015456.D  
Acq: 06 Sep 2023 18:02

Tgt Ion:225 Resp: 86162  
Ion Ratio Lower Upper  
225 100  
223 61.8 31.9 95.9  
227 62.9 33.0 98.9

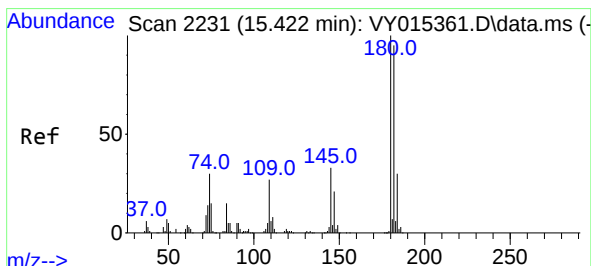
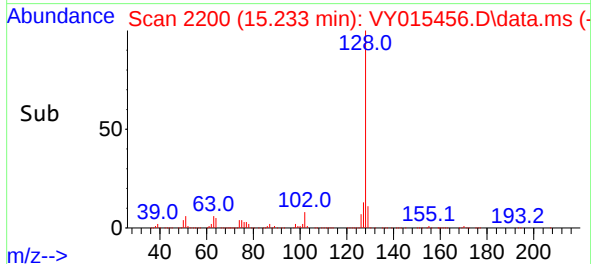
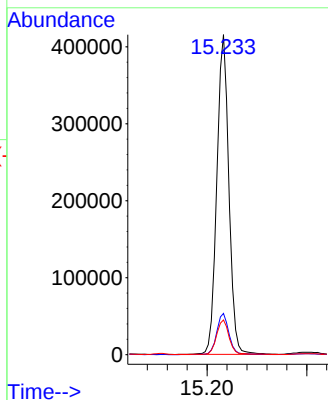
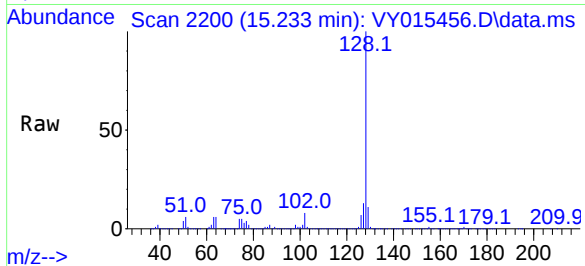




#95  
Naphthalene  
Concen: 84.575 ug/l  
RT: 15.233 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VY015456.D  
Acq: 06 Sep 2023 18:02

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion:128 Resp: 695559  
Ion Ratio Lower Upper  
128 100  
127 13.2 10.8 16.2  
129 11.4 8.6 13.0



#96  
1,2,3-Trichlorobenzene  
Concen: 48.801 ug/l  
RT: 15.422 min Scan# 2231  
Delta R.T. 0.000 min  
Lab File: VY015456.D  
Acq: 06 Sep 2023 18:02

Tgt Ion:180 Resp: 147786  
Ion Ratio Lower Upper  
180 100  
182 93.6 47.3 141.8  
145 32.3 15.4 46.2

