

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY102722\  
 Data File : VY011144.D  
 Acq On : 27 Oct 2022 17:12  
 Operator : KP/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: Oct 28 00:47:55 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y101722S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 18 01:42:42 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 214979   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.685  | 114  | 342126   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.489 | 117  | 315065   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.422 | 152  | 163364   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.136  | 65    | 85667    | 43.260   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 86.520% |
| 35) Dibromofluoromethane    | 7.716  | 113   | 92214    | 48.279   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 96.560% |
| 50) Toluene-d8              | 10.179 | 98    | 305189   | 42.722   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 85.440% |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 119440   | 47.018   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 94.040% |

|                              |       |     |         |         |        |     |
|------------------------------|-------|-----|---------|---------|--------|-----|
| Target Compounds             |       |     |         |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.900 | 85  | 61322   | 43.003  | ug/l   | 98  |
| 3) Chloromethane             | 2.113 | 50  | 82195   | 40.177  | ug/l   | 97  |
| 4) Vinyl Chloride            | 2.247 | 62  | 96325   | 41.541  | ug/l   | 99  |
| 5) Bromomethane              | 2.643 | 94  | 65963   | 41.130  | ug/l   | 99  |
| 6) Chloroethane              | 2.790 | 64  | 68467   | 44.186  | ug/l   | 95  |
| 7) Trichlorofluoromethane    | 3.119 | 101 | 164220  | 48.386  | ug/l   | 95  |
| 8) Diethyl Ether             | 3.527 | 74  | 61261   | 48.370  | ug/l   | 83  |
| 9) 1,1,2-Trichlorotrifluo... | 3.893 | 101 | 106536  | 50.044  | ug/l   | 93  |
| 10) Methyl Iodide            | 4.088 | 142 | 115676  | 44.406  | ug/l   | 92  |
| 11) Tert butyl alcohol       | 4.954 | 59  | 61979   | 280.685 | ug/l   | 98  |
| 12) 1,1-Dichloroethene       | 3.869 | 96  | 92813   | 45.512  | ug/l   | 84  |
| 13) Acrolein                 | 3.723 | 56  | 56526   | 177.063 | ug/l   | 99  |
| 14) Allyl chloride           | 4.478 | 41  | 146230  | 45.216  | ug/l # | 87  |
| 15) Acrylonitrile            | 5.155 | 53  | 175157  | 265.317 | ug/l   | 98  |
| 16) Acetone                  | 3.942 | 43  | 155276  | 270.014 | ug/l # | 87  |
| 17) Carbon Disulfide         | 4.192 | 76  | 221726  | 37.087  | ug/l   | 99  |
| 18) Methyl Acetate           | 4.472 | 43  | 82117   | 50.806  | ug/l # | 89  |
| 19) Methyl tert-butyl Ether  | 5.216 | 73  | 296392  | 52.018  | ug/l   | 100 |
| 20) Methylene Chloride       | 4.710 | 84  | 148049  | 60.388  | ug/l # | 85  |
| 21) trans-1,2-Dichloroethene | 5.216 | 96  | 108851  | 47.280  | ug/l   | 89  |
| 22) Diisopropyl ether        | 6.112 | 45  | 366568  | 52.925  | ug/l   | 93  |
| 23) Vinyl Acetate            | 6.057 | 43  | 1112503 | 268.605 | ug/l # | 92  |
| 24) 1,1-Dichloroethane       | 6.009 | 63  | 216595  | 51.794  | ug/l   | 99  |
| 25) 2-Butanone               | 6.984 | 43  | 228958  | 262.537 | ug/l # | 86  |
| 26) 2,2-Dichloropropane      | 6.978 | 77  | 189771  | 51.103  | ug/l   | 94  |
| 27) cis-1,2-Dichloroethene   | 6.984 | 96  | 134797  | 50.802  | ug/l   | 89  |
| 28) Bromochloromethane       | 7.332 | 49  | 80054   | 53.740  | ug/l   | 88  |
| 29) Tetrahydrofuran          | 7.344 | 42  | 139587  | 260.153 | ug/l # | 86  |
| 30) Chloroform               | 7.502 | 83  | 226460  | 53.721  | ug/l   | 98  |
| 31) Cyclohexane              | 7.783 | 56  | 160104  | 42.250  | ug/l   | 93  |
| 32) 1,1,1-Trichloroethane    | 7.697 | 97  | 191499  | 51.681  | ug/l   | 95  |
| 36) 1,1-Dichloropropene      | 7.917 | 75  | 155403  | 48.794  | ug/l   | 98  |
| 37) Ethyl Acetate            | 7.069 | 43  | 93766   | 53.176  | ug/l # | 93  |
| 38) Carbon Tetrachloride     | 7.899 | 117 | 171348  | 52.119  | ug/l   | 96  |
| 39) Methylcyclohexane        | 9.179 | 83  | 177797  | 46.609  | ug/l   | 92  |
| 40) Benzene                  | 8.155 | 78  | 470979  | 50.400  | ug/l   | 97  |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY102722\  
 Data File : VY011144.D  
 Acq On : 27 Oct 2022 17:12  
 Operator : KP/MD  
 Sample : VSTDC0050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDC0050EC

Quant Time: Oct 28 00:47:55 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y101722S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 18 01:42:42 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.344  | 41   | 126915   | 132.820  | ug/l # | 1        |
| 42) 1,2-Dichloroethane        | 8.234  | 62   | 134999   | 52.137   | ug/l   | 91       |
| 43) Isopropyl Acetate         | 8.270  | 43   | 166023   | 52.698   | ug/l # | 89       |
| 44) Trichloroethene           | 8.935  | 130  | 126026   | 49.766   | ug/l   | 93       |
| 45) 1,2-Dichloropropane       | 9.209  | 63   | 126252   | 53.248   | ug/l   | 96       |
| 46) Dibromomethane            | 9.301  | 93   | 70353    | 53.200   | ug/l   | 96       |
| 47) Bromodichloromethane      | 9.496  | 83   | 176739   | 55.460   | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.289  | 41   | 75043    | 53.223   | ug/l # | 79       |
| 49) 1,4-Dioxane               | 9.295  | 88   | 21039    | 1107.302 | ug/l # | 89       |
| 51) 4-Methyl-2-Pentanone      | 10.069 | 43   | 486999   | 277.179  | ug/l # | 88       |
| 52) Toluene                   | 10.240 | 92   | 302117   | 52.040   | ug/l   | 96       |
| 53) t-1,3-Dichloropropene     | 10.465 | 75   | 179467   | 54.209   | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 9.923  | 75   | 200852   | 53.016   | ug/l # | 82       |
| 55) 1,1,2-Trichloroethane     | 10.642 | 97   | 105952   | 55.538   | ug/l   | 98       |
| 56) Ethyl methacrylate        | 10.508 | 69   | 140563   | 55.475   | ug/l # | 76       |
| 57) 1,3-Dichloropropane       | 10.788 | 76   | 177072   | 53.984   | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 9.782  | 63   | 337962   | 268.252  | ug/l   | 98       |
| 59) 2-Hexanone                | 10.831 | 43   | 342188   | 283.527  | ug/l   | 85       |
| 60) Dibromochloromethane      | 10.983 | 129  | 126542   | 55.782   | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.087 | 107  | 96184    | 52.648   | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.715 | 164  | 123442   | 50.331   | ug/l   | 97       |
| 65) Chlorobenzene             | 11.514 | 112  | 333033   | 51.486   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.587 | 131  | 129887   | 54.251   | ug/l   | 97       |
| 67) Ethyl Benzene             | 11.593 | 91   | 596108   | 52.092   | ug/l   | 100      |
| 68) m/p-Xylenes               | 11.703 | 106  | 456772   | 103.762  | ug/l   | 94       |
| 69) o-Xylene                  | 12.026 | 106  | 218460   | 52.263   | ug/l   | 95       |
| 70) Styrene                   | 12.038 | 104  | 381013   | 53.794   | ug/l   | 95       |
| 71) Bromoform                 | 12.203 | 173  | 81134    | 54.909   | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.325 | 105  | 594437   | 50.084   | ug/l   | 100      |
| 74) N-amyl acetate            | 12.142 | 43   | 149569   | 49.669   | ug/l # | 84       |
| 75) 1,1,2,2-Tetrachloroethane | 12.581 | 83   | 125720   | 50.472   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.629 | 75   | 166263   | 89.644   | ug/l # | 100      |
| 77) Bromobenzene              | 12.605 | 156  | 137894   | 49.704   | ug/l   | 99       |
| 78) n-propylbenzene           | 12.666 | 91   | 724582   | 50.177   | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.751 | 91   | 405798   | 49.899   | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 12.812 | 105  | 501706   | 50.663   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.373 | 75   | 43888    | 50.893   | ug/l # | 85       |
| 82) 4-Chlorotoluene           | 12.849 | 91   | 417067   | 49.256   | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.075 | 119  | 444453   | 51.902   | ug/l   | 93       |
| 84) 1,2,4-Trimethylbenzene    | 13.117 | 105  | 498047   | 51.003   | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.251 | 105  | 662310   | 51.470   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.367 | 119  | 548380   | 51.370   | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.361 | 146  | 276985   | 50.026   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.440 | 146  | 272907   | 49.572   | ug/l   | 98       |
| 89) n-Butylbenzene            | 13.696 | 91   | 515576   | 51.685   | ug/l   | 100      |
| 90) Hexachloroethane          | 13.958 | 117  | 109102   | 51.787   | ug/l   | 89       |
| 91) 1,2-Dichlorobenzene       | 13.739 | 146  | 250761   | 50.620   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.355 | 75   | 20527    | 49.842   | ug/l   | 81       |
| 93) 1,2,4-Trichlorobenzene    | 15.007 | 180  | 150110   | 50.702   | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.105 | 225  | 88741    | 50.922   | ug/l   | 97       |
| 95) Naphthalene               | 15.233 | 128  | 314084   | 52.092   | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene    | 15.422 | 180  | 131871   | 51.056   | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY102722\  
Data File : VY011144.D  
Acq On : 27 Oct 2022 17:12  
Operator : KP/MD  
Sample : VSTDCCC050  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

Quant Time: Oct 28 00:47:55 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y101722S.M  
Quant Title : SW846 8260  
QLast Update : Tue Oct 18 01:42:42 2022  
Response via : Initial Calibration

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

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

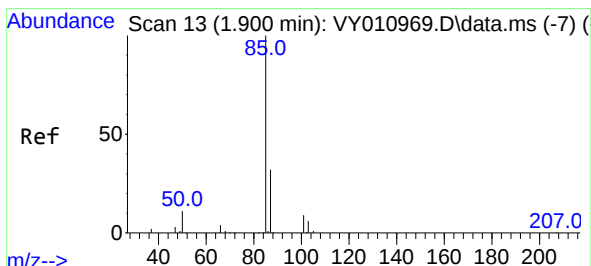
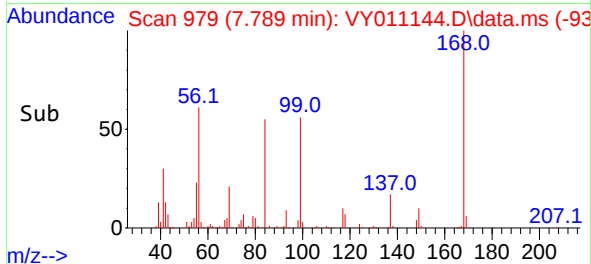
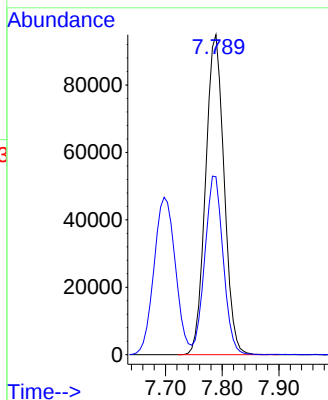
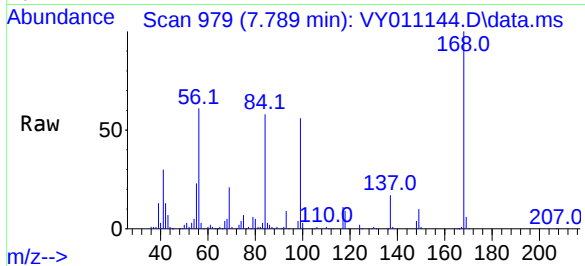




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY011144.D  
Acq: 27 Oct 2022 17:12

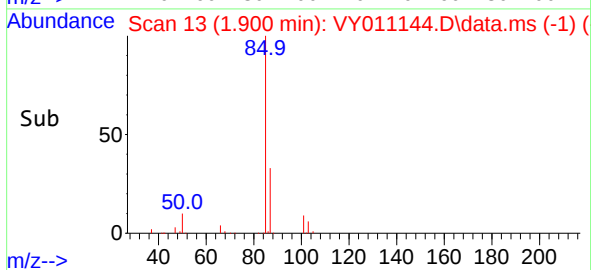
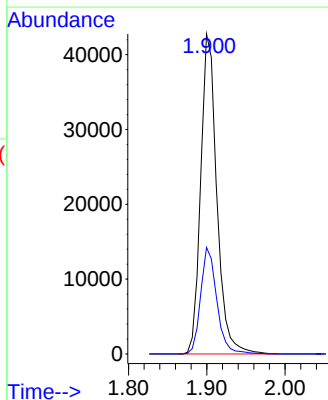
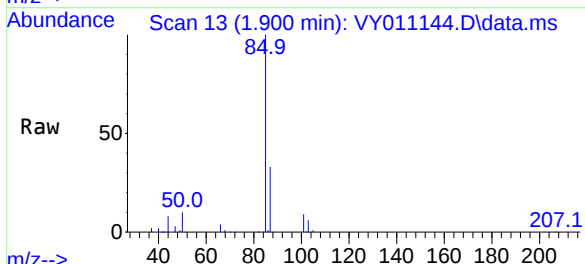
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion:168 Resp: 214979  
Ion Ratio Lower Upper  
168 100  
99 55.5 46.9 70.3

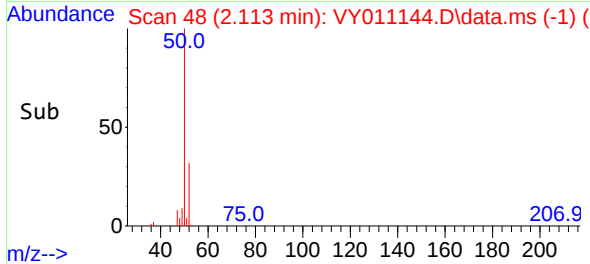
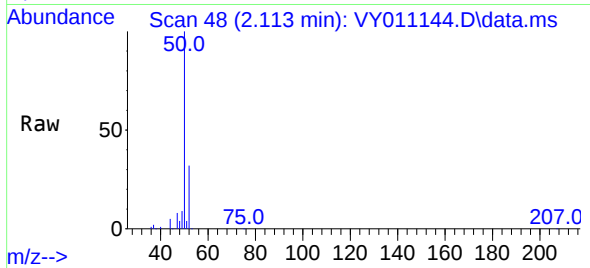
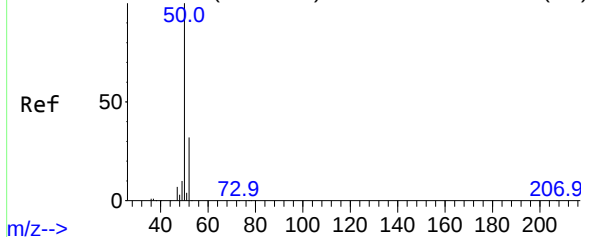


#2  
Dichlorodifluoromethane  
Concen: 43.003 ug/l  
RT: 1.900 min Scan# 13  
Delta R.T. -0.000 min  
Lab File: VY011144.D  
Acq: 27 Oct 2022 17:12

Tgt Ion: 85 Resp: 61322  
Ion Ratio Lower Upper  
85 100  
87 33.3 16.1 48.2



Abundance Scan 48 (2.113 min): VY010969.D\data.ms (-40)



#3

Chloromethane

Concen: 40.177 ug/l

RT: 2.113 min Scan# 48

Delta R.T. 0.000 min

Lab File: VY011144.D

Acq: 27 Oct 2022 17:12

Instrument :

MSVOA\_Y

ClientSampleId :

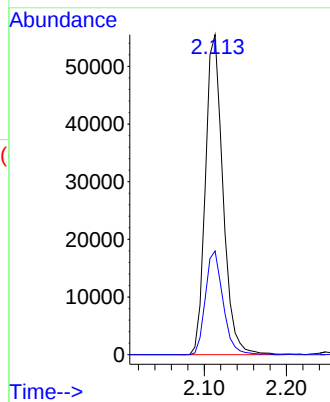
VSTDCCC050EC

Tgt Ion: 50 Resp: 82195

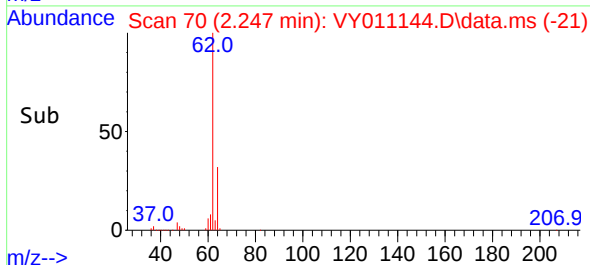
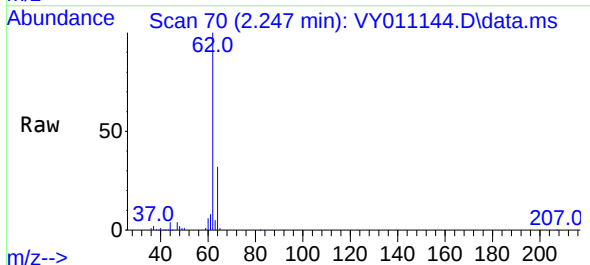
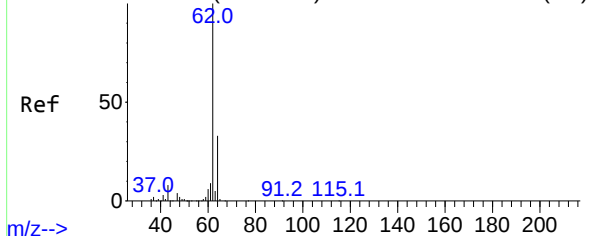
Ion Ratio Lower Upper

50 100

52 32.4 24.6 37.0



Abundance Scan 70 (2.247 min): VY010969.D\data.ms (-61)



#4

Vinyl Chloride

Concen: 41.541 ug/l

RT: 2.247 min Scan# 70

Delta R.T. 0.000 min

Lab File: VY011144.D

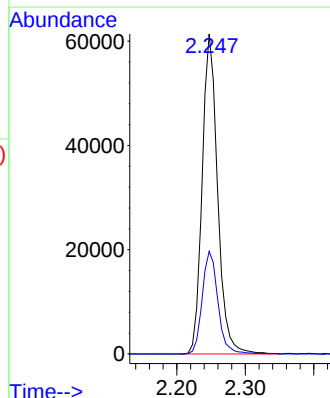
Acq: 27 Oct 2022 17:12

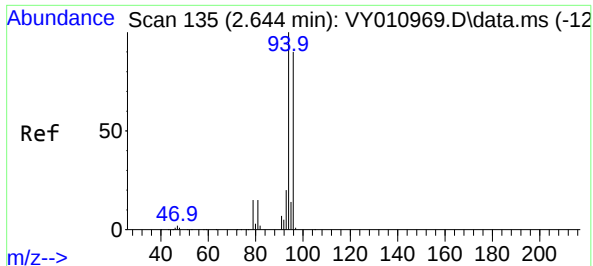
Tgt Ion: 62 Resp: 96325

Ion Ratio Lower Upper

62 100

64 32.0 25.0 37.6

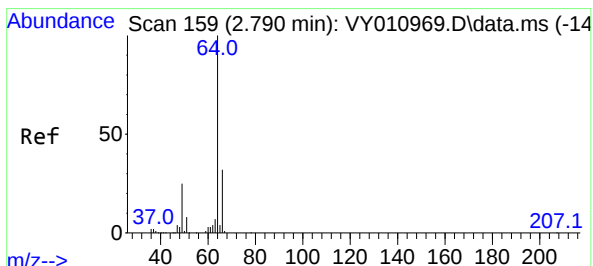
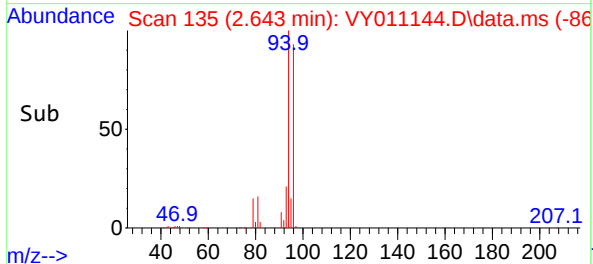
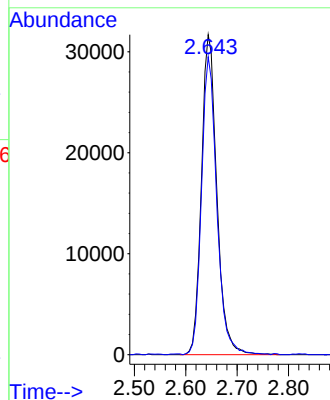
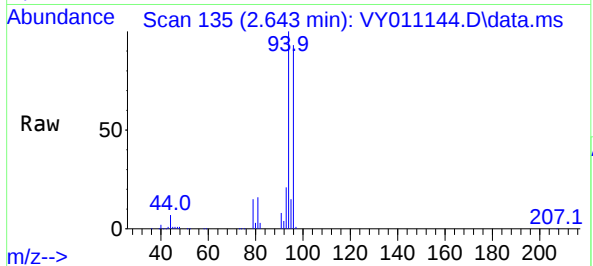




#5  
Bromomethane  
Concen: 41.130 ug/l  
RT: 2.643 min Scan# 11  
Delta R.T. -0.001 min  
Lab File: VY011144.D  
Acq: 27 Oct 2022 17:12

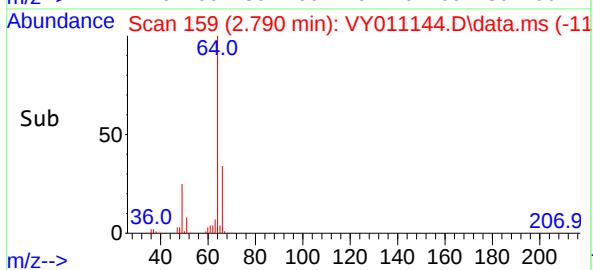
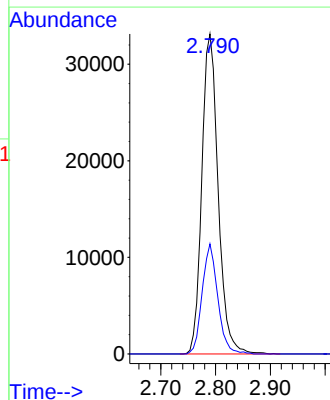
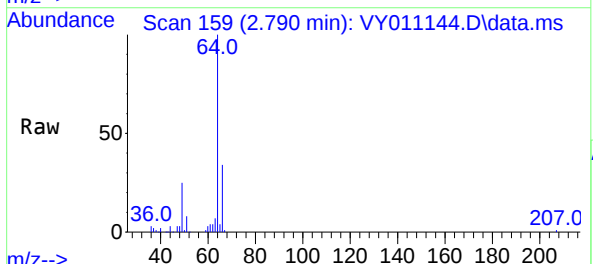
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

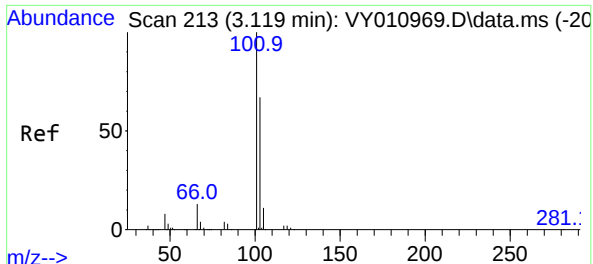
Tgt Ion: 94 Resp: 65963  
Ion Ratio Lower Upper  
94 100  
96 93.1 73.5 110.3



#6  
Chloroethane  
Concen: 44.186 ug/l  
RT: 2.790 min Scan# 159  
Delta R.T. -0.000 min  
Lab File: VY011144.D  
Acq: 27 Oct 2022 17:12

Tgt Ion: 64 Resp: 68467  
Ion Ratio Lower Upper  
64 100  
66 34.4 25.4 38.0

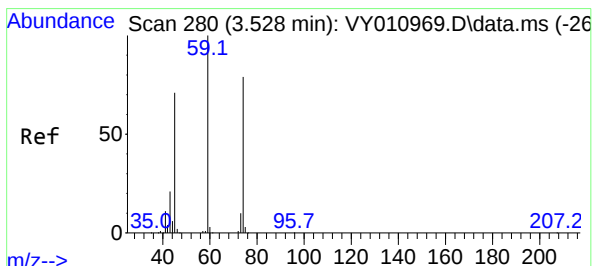
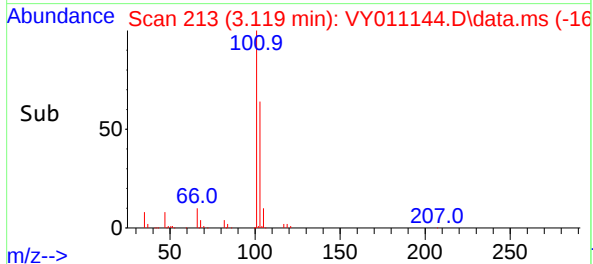
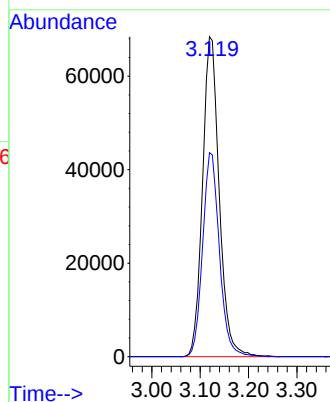
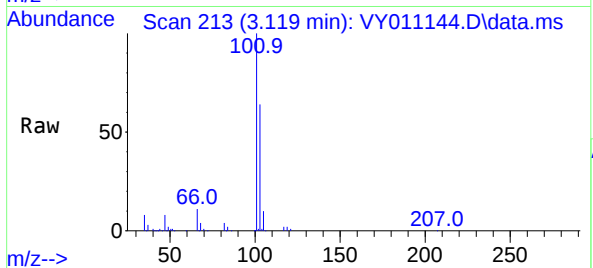




#7  
Trichlorofluoromethane  
Concen: 48.386 ug/l  
RT: 3.119 min Scan# 213  
Delta R.T. -0.000 min  
Lab File: VY011144.D  
Acq: 27 Oct 2022 17:12

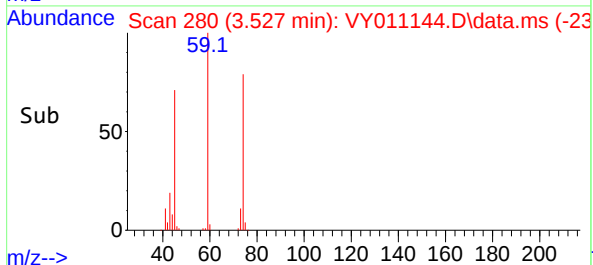
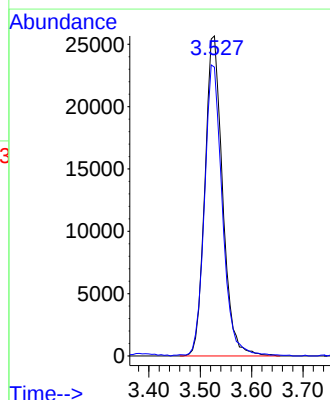
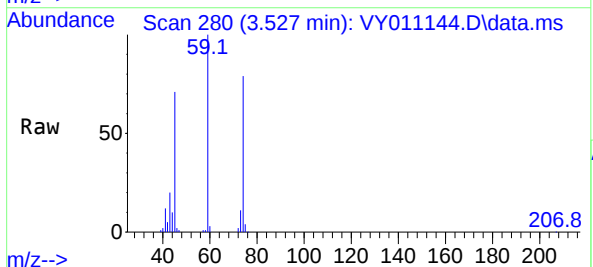
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MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

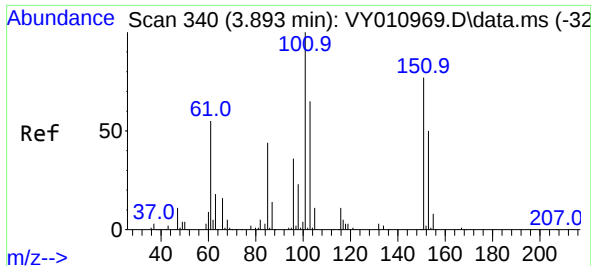
Tgt Ion:101 Resp: 164220  
Ion Ratio Lower Upper  
101 100  
103 63.7 48.0 72.0



#8  
Diethyl Ether  
Concen: 48.370 ug/l  
RT: 3.527 min Scan# 280  
Delta R.T. -0.001 min  
Lab File: VY011144.D  
Acq: 27 Oct 2022 17:12

Tgt Ion: 74 Resp: 61261  
Ion Ratio Lower Upper  
74 100  
45 92.5 55.1 165.5

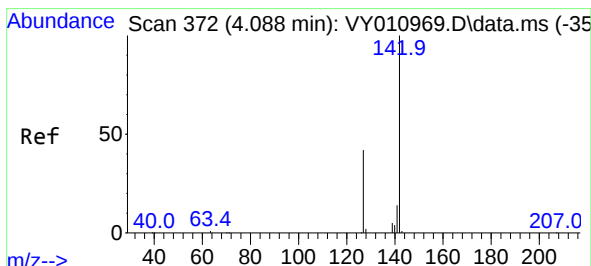
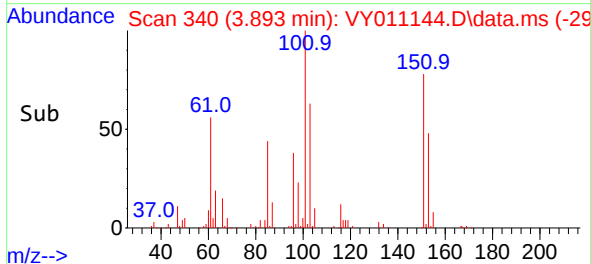
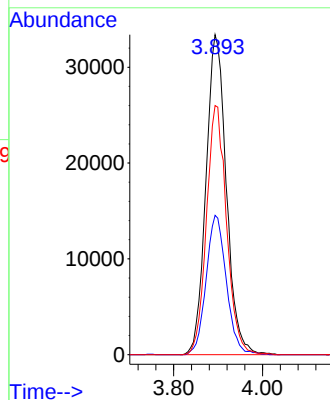
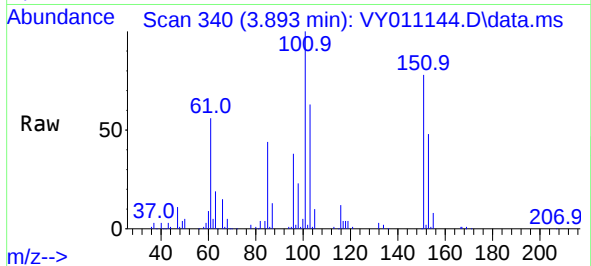




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 50.044 ug/l  
RT: 3.893 min Scan# 340  
Delta R.T. 0.000 min  
Lab File: VY011144.D  
Acq: 27 Oct 2022 17:12

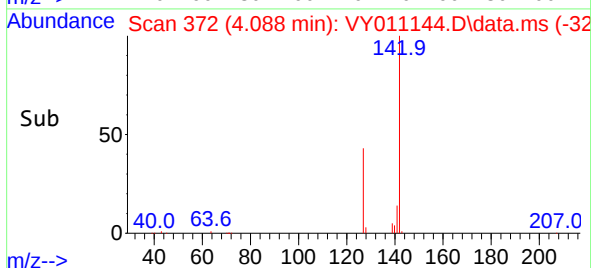
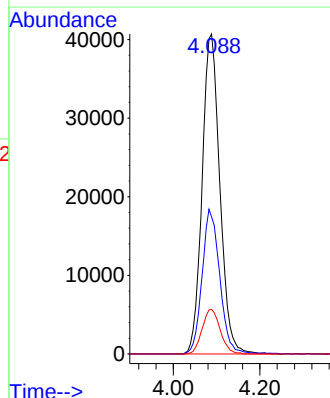
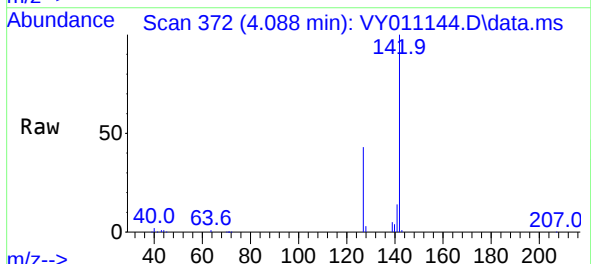
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

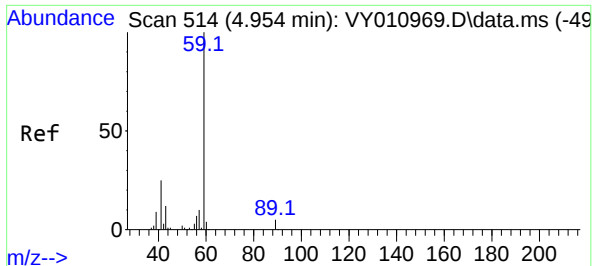
Tgt Ion:101 Resp: 106536  
Ion Ratio Lower Upper  
101 100  
85 43.3 40.6 60.8  
151 76.8 64.9 97.3



#10  
Methyl Iodide  
Concen: 44.406 ug/l  
RT: 4.088 min Scan# 372  
Delta R.T. 0.000 min  
Lab File: VY011144.D  
Acq: 27 Oct 2022 17:12

Tgt Ion:142 Resp: 115676  
Ion Ratio Lower Upper  
142 100  
127 45.0 41.5 62.3  
141 14.2 11.9 17.9

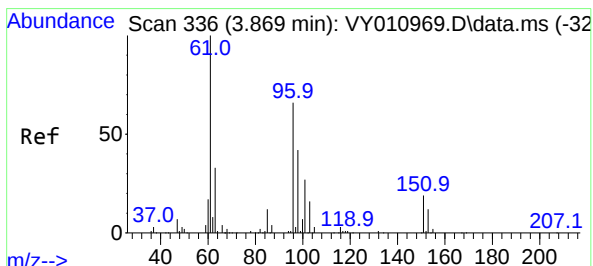
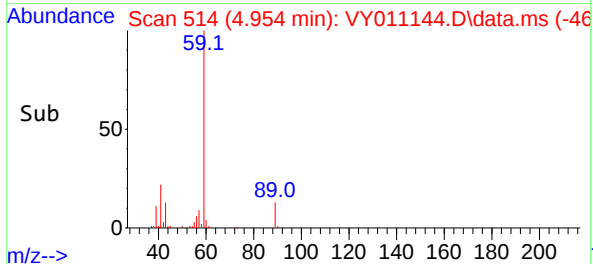
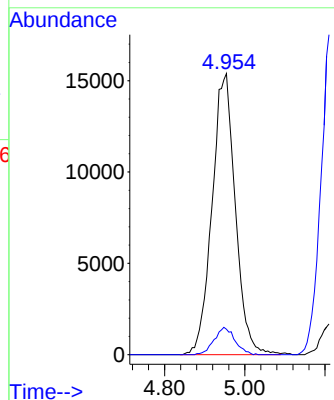
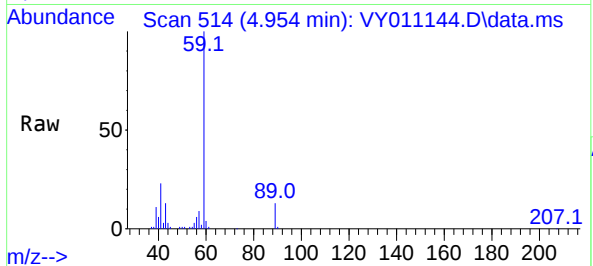




#11  
Tert butyl alcohol  
Concen: 280.685 ug/l  
RT: 4.954 min Scan# 514  
Delta R.T. 0.000 min  
Lab File: VY011144.D  
Acq: 27 Oct 2022 17:12

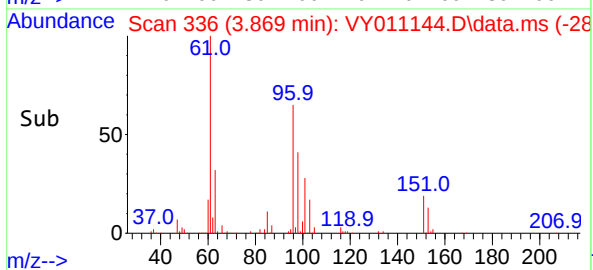
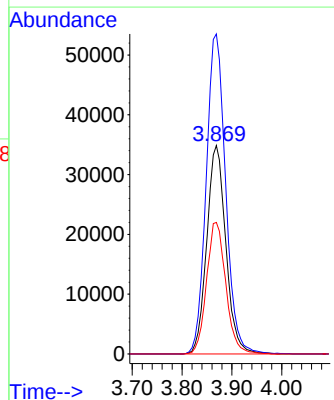
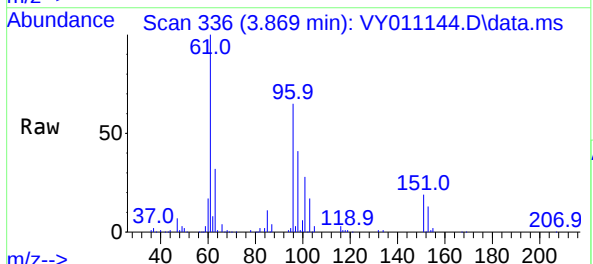
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

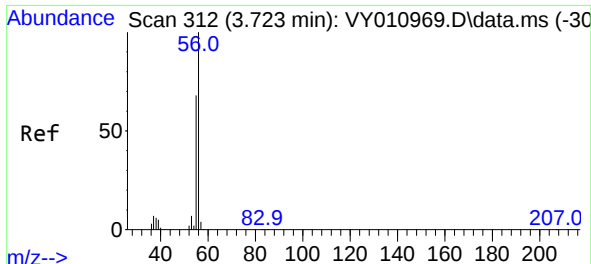
Tgt Ion: 59 Resp: 61979  
Ion Ratio Lower Upper  
59 100  
57 8.6 6.4 9.6



#12  
1,1-Dichloroethene  
Concen: 45.512 ug/l  
RT: 3.869 min Scan# 336  
Delta R.T. -0.000 min  
Lab File: VY011144.D  
Acq: 27 Oct 2022 17:12

Tgt Ion: 96 Resp: 92813  
Ion Ratio Lower Upper  
96 100  
61 153.5 145.8 218.6  
98 63.1 52.5 78.7

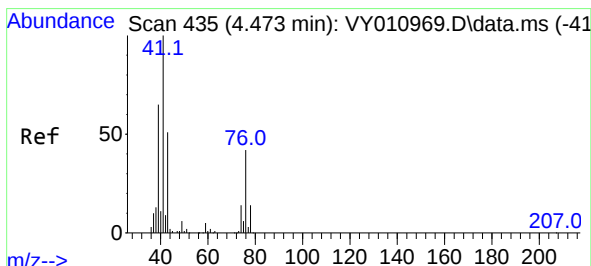
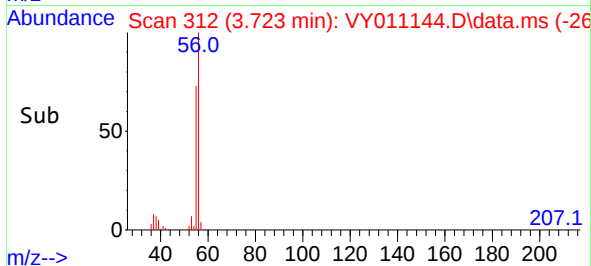
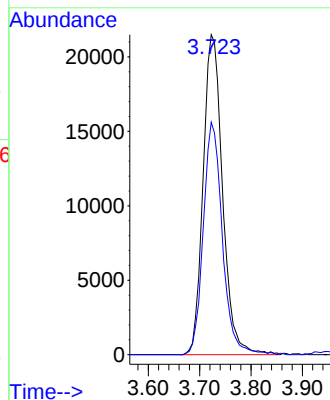
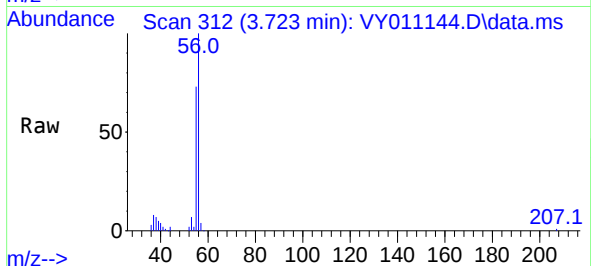




#13  
Acrolein  
Concen: 177.063 ug/l  
RT: 3.723 min Scan# 312  
Delta R.T. -0.000 min  
Lab File: VY011144.D  
Acq: 27 Oct 2022 17:12

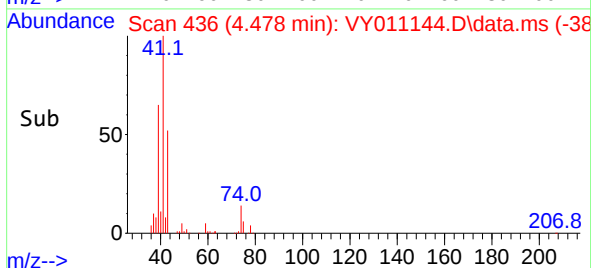
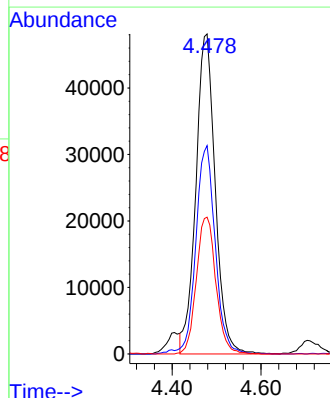
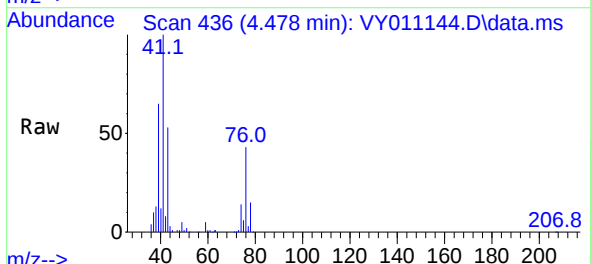
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

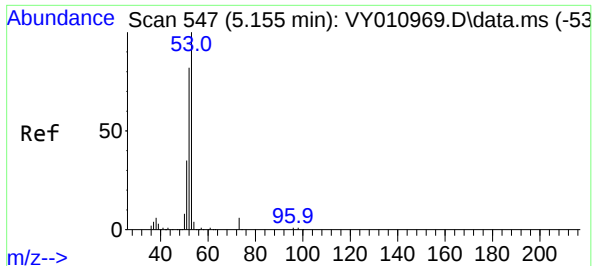
Tgt Ion: 56 Resp: 56526  
Ion Ratio Lower Upper  
56 100  
55 71.2 57.6 86.4



#14  
Allyl chloride  
Concen: 45.216 ug/l  
RT: 4.478 min Scan# 436  
Delta R.T. 0.005 min  
Lab File: VY011144.D  
Acq: 27 Oct 2022 17:12

Tgt Ion: 41 Resp: 146230  
Ion Ratio Lower Upper  
41 100  
39 65.3 58.8 88.2  
76 43.0 25.1 37.7#

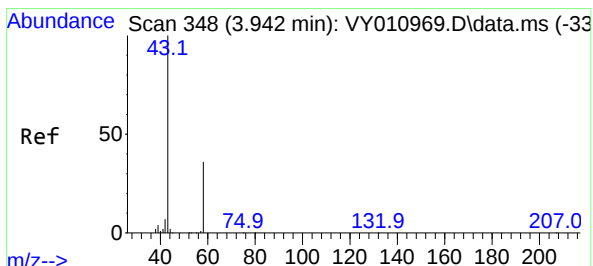
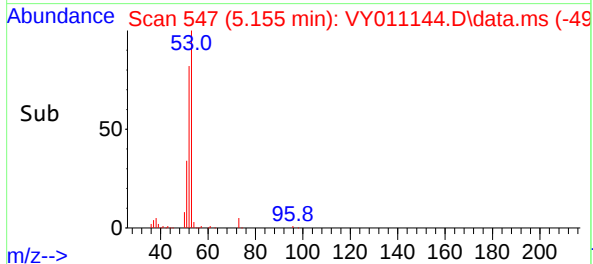
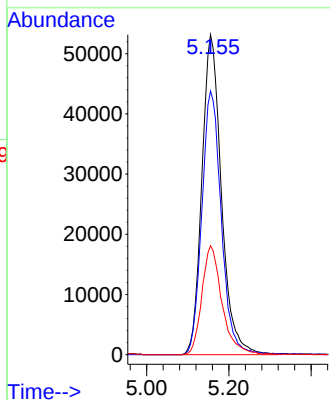
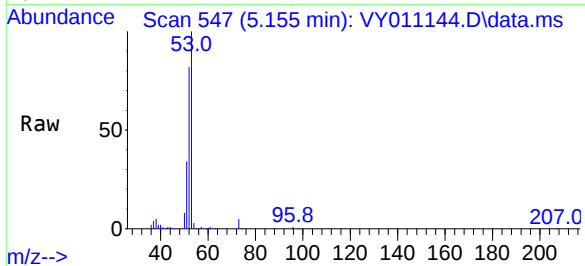




#15  
Acrylonitrile  
Concen: 265.317 ug/l  
RT: 5.155 min Scan# 547  
Delta R.T. 0.000 min  
Lab File: VY011144.D  
Acq: 27 Oct 2022 17:12

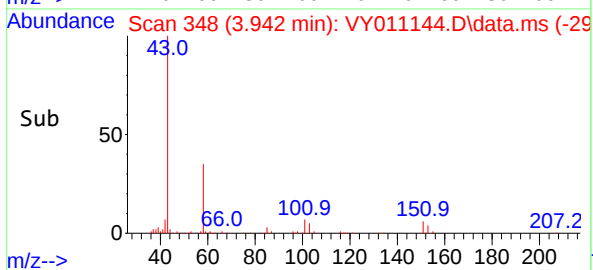
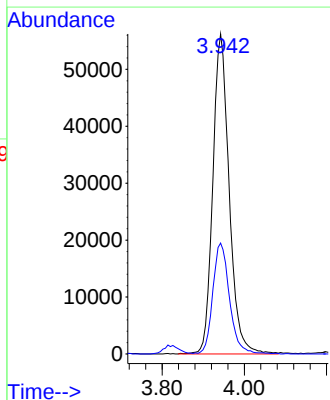
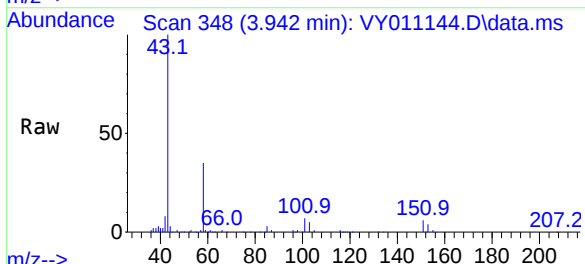
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ClientSampleId :  
VSTDCCC050EC

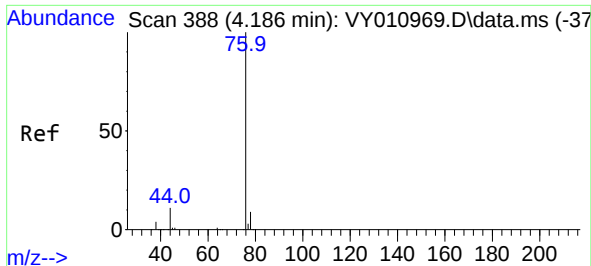
Tgt Ion: 53 Resp: 175157  
Ion Ratio Lower Upper  
53 100  
52 82.2 67.0 100.4  
51 35.0 29.8 44.6



#16  
Acetone  
Concen: 270.014 ug/l  
RT: 3.942 min Scan# 348  
Delta R.T. -0.000 min  
Lab File: VY011144.D  
Acq: 27 Oct 2022 17:12

Tgt Ion: 43 Resp: 155276  
Ion Ratio Lower Upper  
43 100  
58 34.5 22.0 33.0#

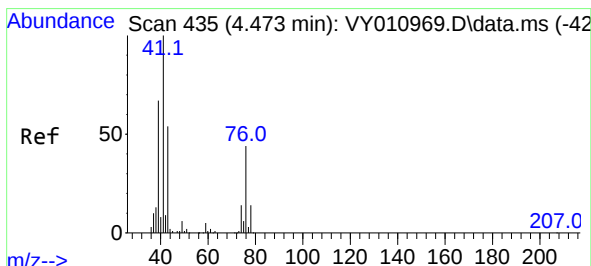
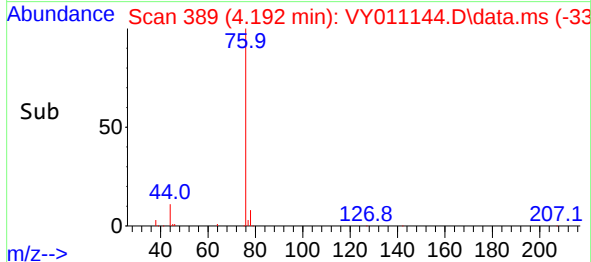
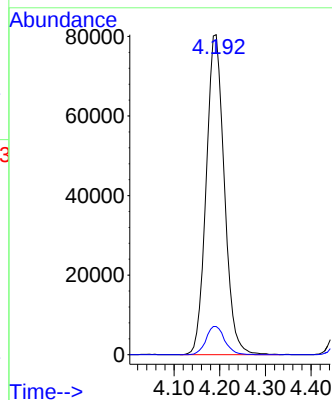
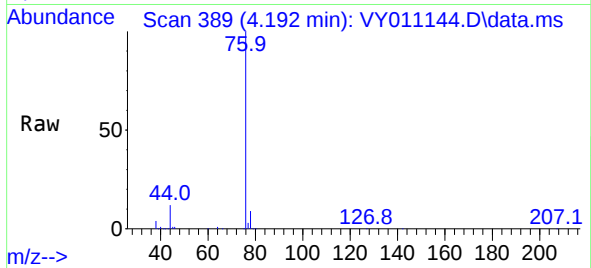




#17  
Carbon Disulfide  
Concen: 37.087 ug/l  
RT: 4.192 min Scan# 389  
Delta R.T. 0.006 min  
Lab File: VY011144.D  
Acq: 27 Oct 2022 17:12

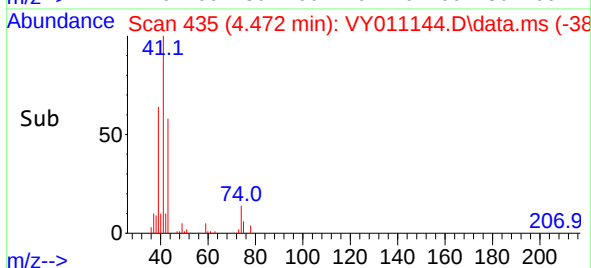
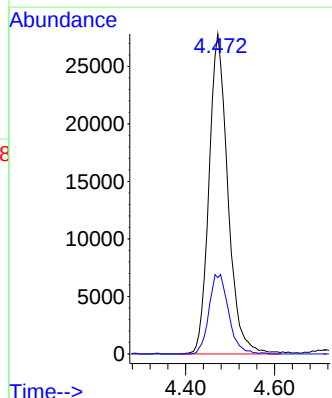
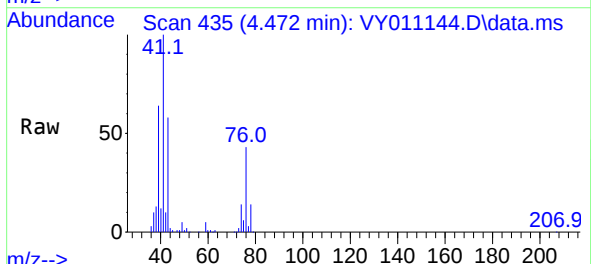
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

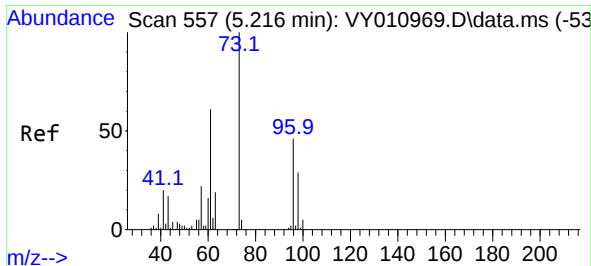
Tgt Ion: 76 Resp: 221726  
Ion Ratio Lower Upper  
76 100  
78 8.8 7.4 11.0



#18  
Methyl Acetate  
Concen: 50.806 ug/l  
RT: 4.472 min Scan# 435  
Delta R.T. -0.001 min  
Lab File: VY011144.D  
Acq: 27 Oct 2022 17:12

Tgt Ion: 43 Resp: 82117  
Ion Ratio Lower Upper  
43 100  
74 25.8 16.6 24.8#

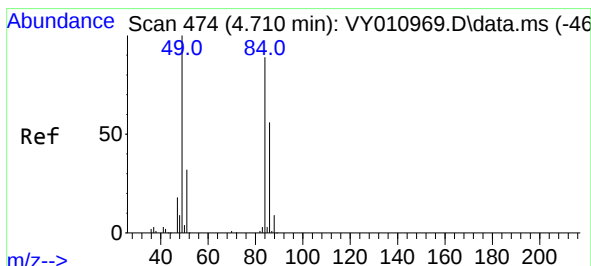
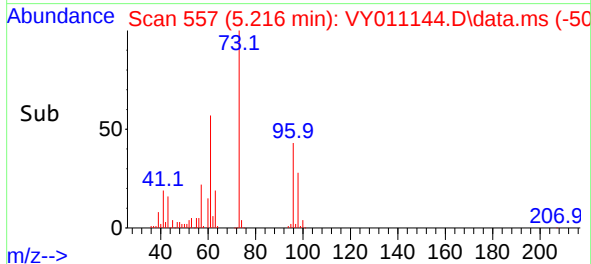
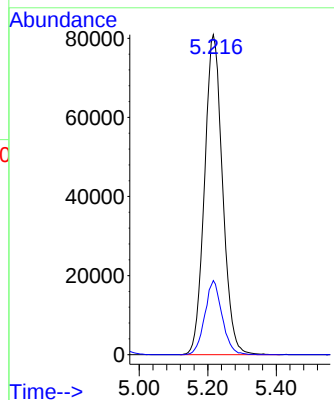
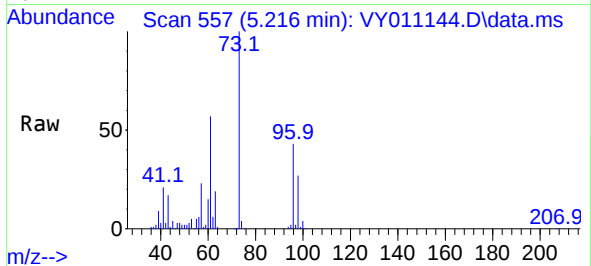




#19  
Methyl tert-butyl Ether  
Concen: 52.018 ug/l  
RT: 5.216 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: VY011144.D  
Acq: 27 Oct 2022 17:12

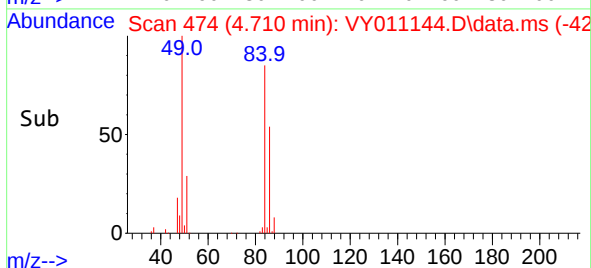
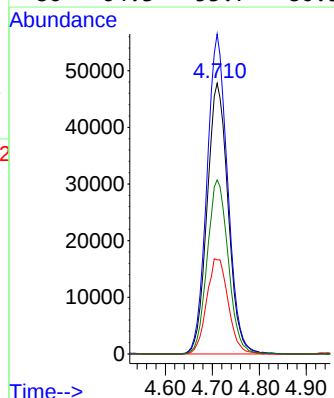
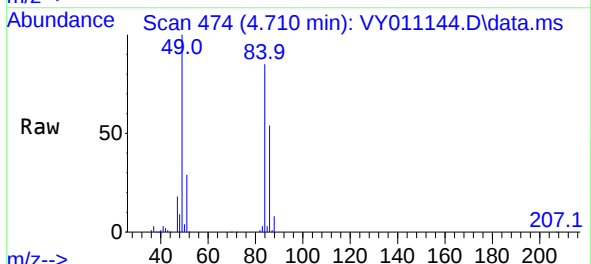
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ClientSampleId :  
VSTDCCC050EC

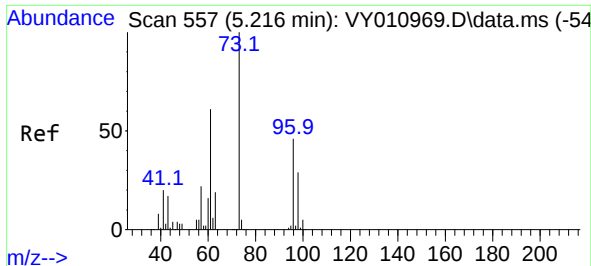
Tgt Ion: 73 Resp: 296392  
Ion Ratio Lower Upper  
73 100  
57 23.2 18.6 27.8



#20  
Methylene Chloride  
Concen: 60.388 ug/l  
RT: 4.710 min Scan# 474  
Delta R.T. 0.000 min  
Lab File: VY011144.D  
Acq: 27 Oct 2022 17:12

Tgt Ion: 84 Resp: 148049  
Ion Ratio Lower Upper  
84 100  
49 118.2 114.4 171.6  
51 34.7 35.3 52.9#  
86 64.3 53.7 80.5

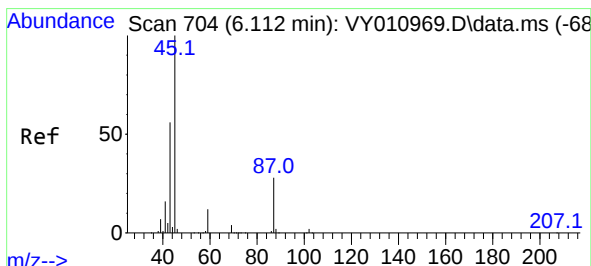
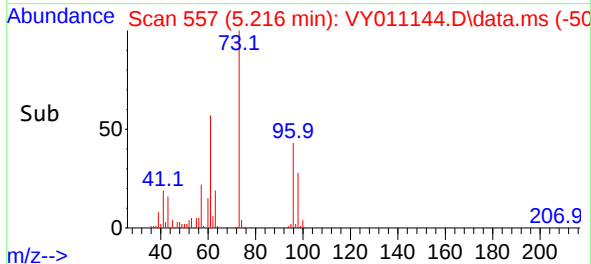
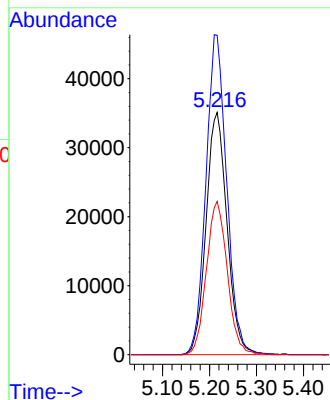
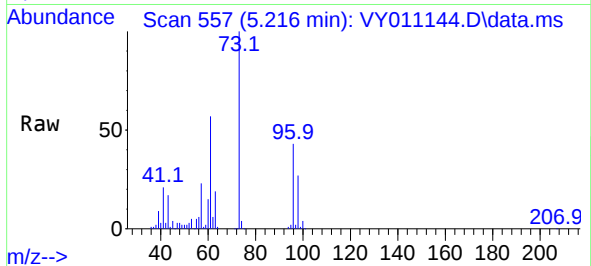




#21  
trans-1,2-Dichloroethene  
Concen: 47.280 ug/l  
RT: 5.216 min Scan# 511  
Delta R.T. 0.000 min  
Lab File: VY011144.D  
Acq: 27 Oct 2022 17:12

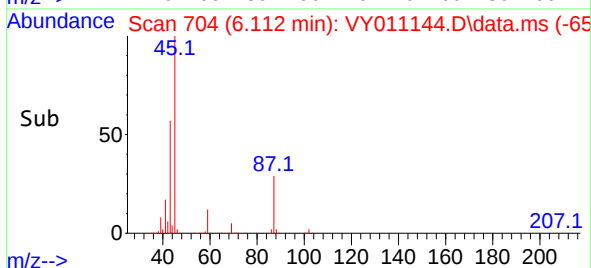
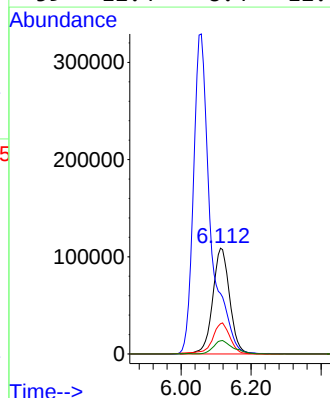
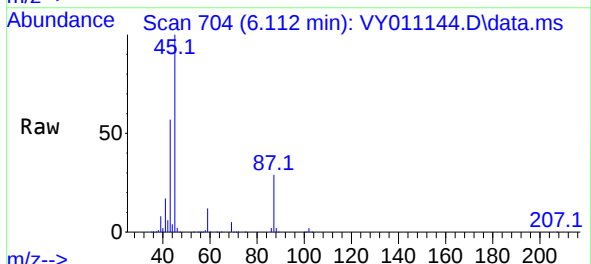
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MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

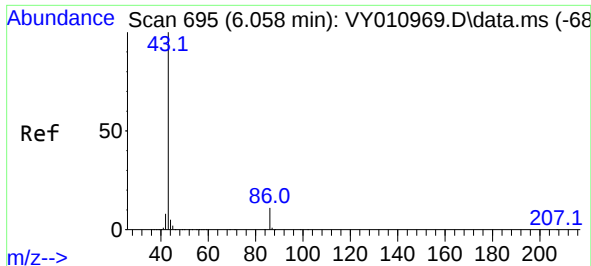
Tgt Ion: 96 Resp: 108851  
Ion Ratio Lower Upper  
96 100  
61 131.8 120.5 180.7  
98 63.3 49.8 74.8



#22  
Diisopropyl ether  
Concen: 52.925 ug/l  
RT: 6.112 min Scan# 704  
Delta R.T. 0.000 min  
Lab File: VY011144.D  
Acq: 27 Oct 2022 17:12

Tgt Ion: 45 Resp: 366568  
Ion Ratio Lower Upper  
45 100  
43 56.9 49.3 73.9  
87 28.6 19.2 28.8  
59 12.4 8.4 12.6

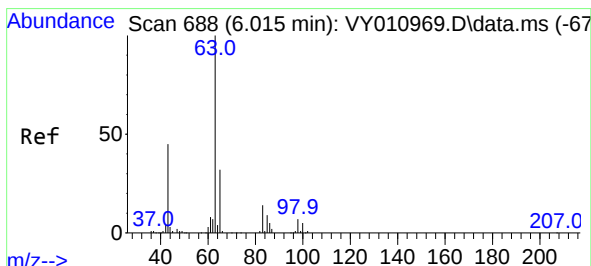
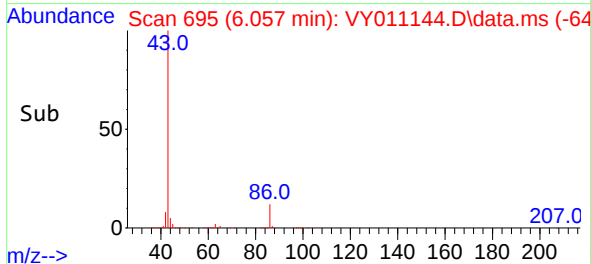
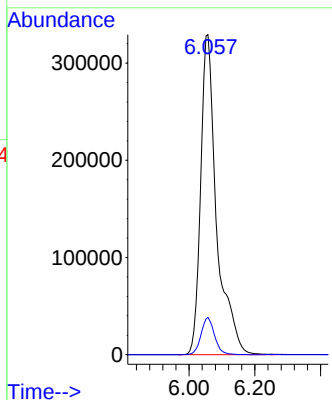
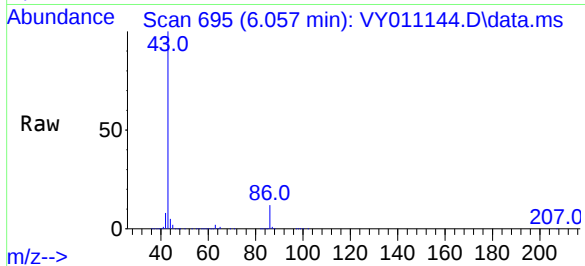




#23  
 Vinyl Acetate  
 Concen: 268.605 ug/l  
 RT: 6.057 min Scan# 61  
 Delta R.T. -0.001 min  
 Lab File: VY011144.D  
 Acq: 27 Oct 2022 17:12

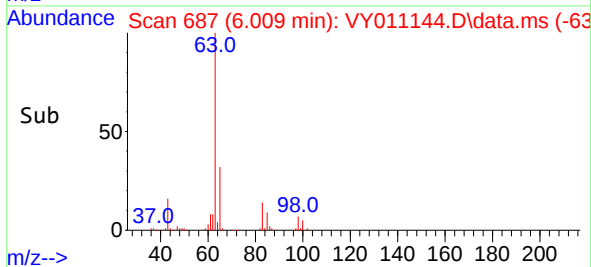
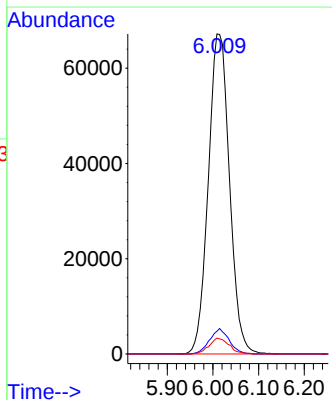
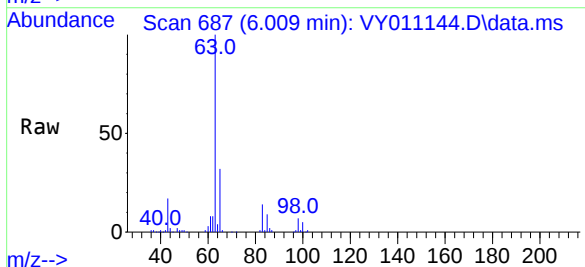
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

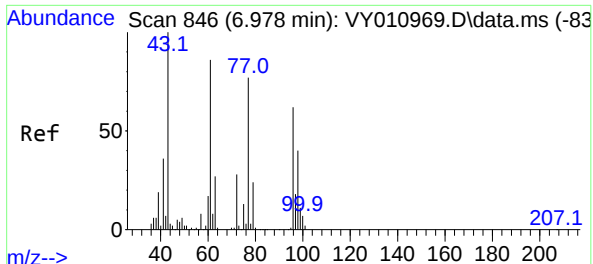
Tgt Ion: 43 Resp: 1112503  
 Ion Ratio Lower Upper  
 43 100  
 86 11.6 7.1 10.7#



#24  
 1,1-Dichloroethane  
 Concen: 51.794 ug/l  
 RT: 6.009 min Scan# 687  
 Delta R.T. -0.006 min  
 Lab File: VY011144.D  
 Acq: 27 Oct 2022 17:12

Tgt Ion: 63 Resp: 216595  
 Ion Ratio Lower Upper  
 63 100  
 98 7.1 3.6 10.8  
 100 4.9 2.0 5.8

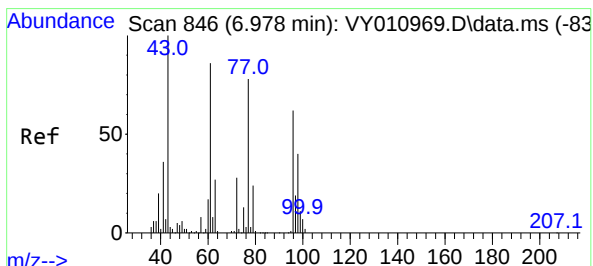
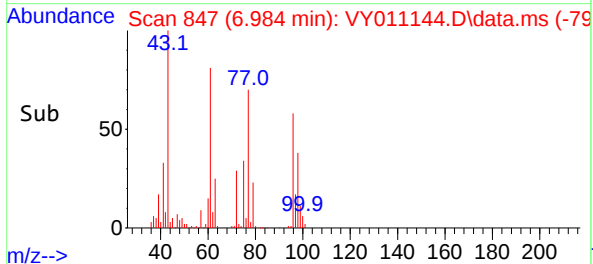
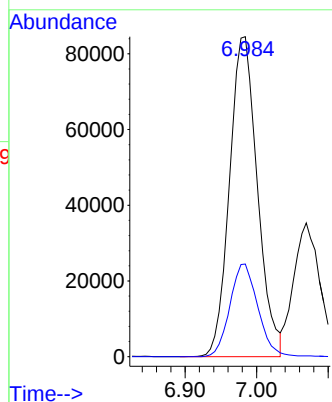
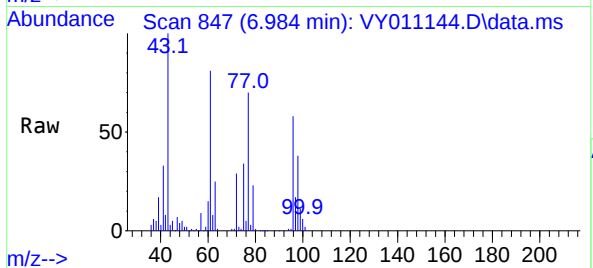




#25  
2-Butanone  
Concen: 262.537 ug/l  
RT: 6.984 min Scan# 847  
Delta R.T. 0.006 min  
Lab File: VY011144.D  
Acq: 27 Oct 2022 17:12

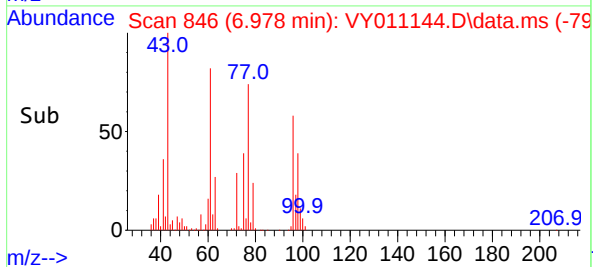
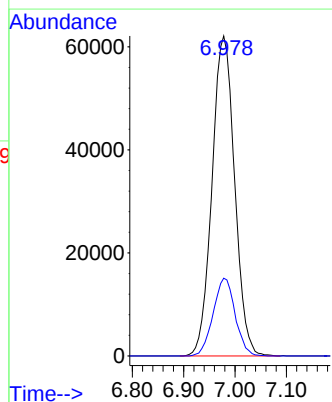
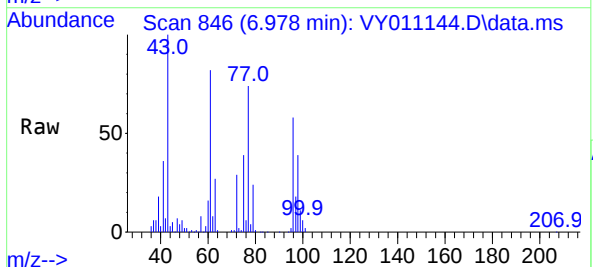
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

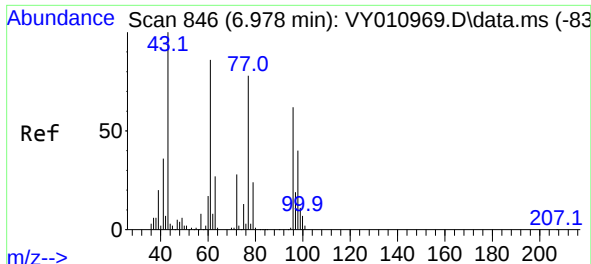
Tgt Ion: 43 Resp: 228958  
Ion Ratio Lower Upper  
43 100  
72 28.9 17.7 26.5#



#26  
2,2-Dichloropropane  
Concen: 51.103 ug/l  
RT: 6.978 min Scan# 846  
Delta R.T. 0.000 min  
Lab File: VY011144.D  
Acq: 27 Oct 2022 17:12

Tgt Ion: 77 Resp: 189771  
Ion Ratio Lower Upper  
77 100  
97 23.7 10.4 31.4

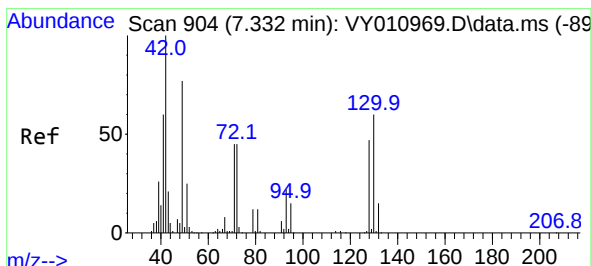
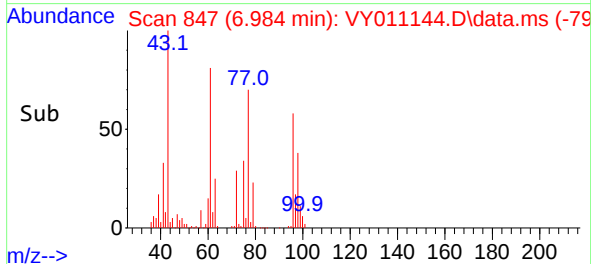
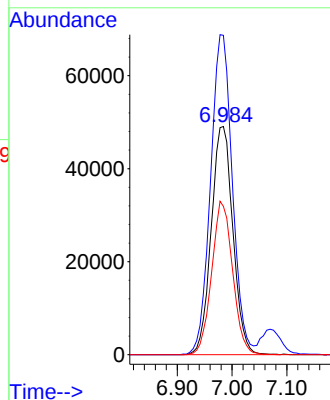
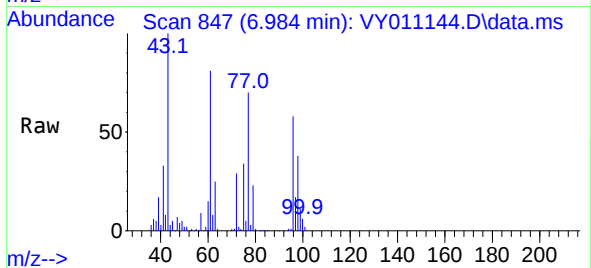




#27  
cis-1,2-Dichloroethene  
Concen: 50.802 ug/l  
RT: 6.984 min Scan# 846  
Delta R.T. 0.006 min  
Lab File: VY011144.D  
Acq: 27 Oct 2022 17:12

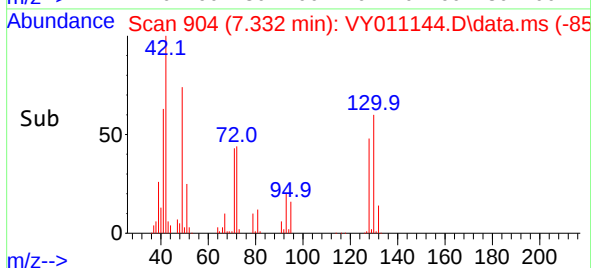
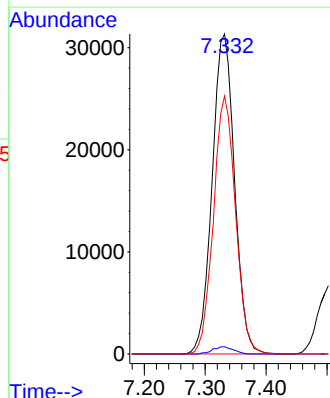
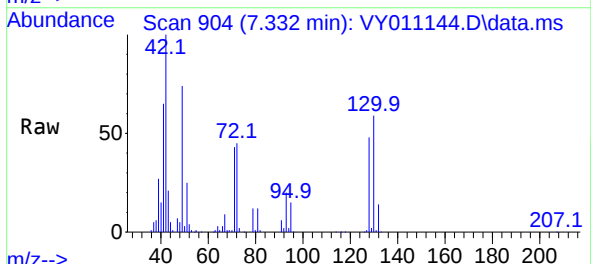
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

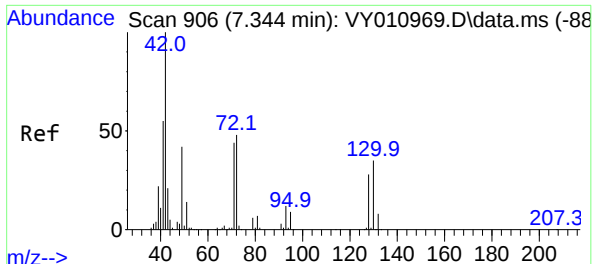
Tgt Ion: 96 Resp: 134797  
Ion Ratio Lower Upper  
96 100  
61 140.9 0.0 319.8  
98 64.9 0.0 127.0



#28  
Bromochloromethane  
Concen: 53.740 ug/l  
RT: 7.332 min Scan# 904  
Delta R.T. -0.000 min  
Lab File: VY011144.D  
Acq: 27 Oct 2022 17:12

Tgt Ion: 49 Resp: 80054  
Ion Ratio Lower Upper  
49 100  
129 2.1 0.0 2.2  
130 79.4 55.4 83.0

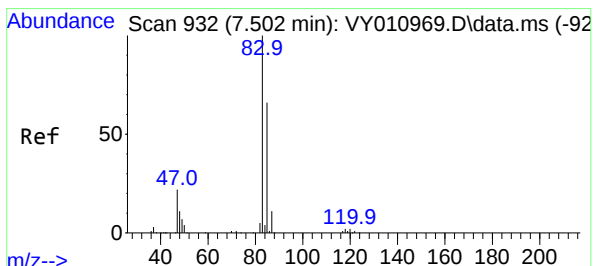
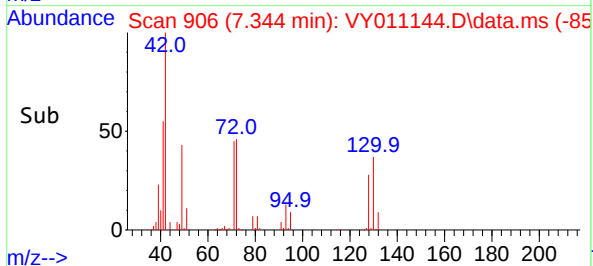
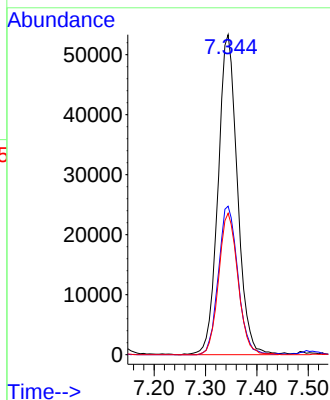
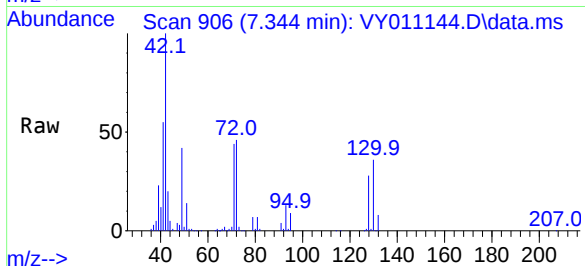




#29  
Tetrahydrofuran  
Concen: 260.153 ug/l  
RT: 7.344 min Scan# 906  
Delta R.T. -0.000 min  
Lab File: VY011144.D  
Acq: 27 Oct 2022 17:12

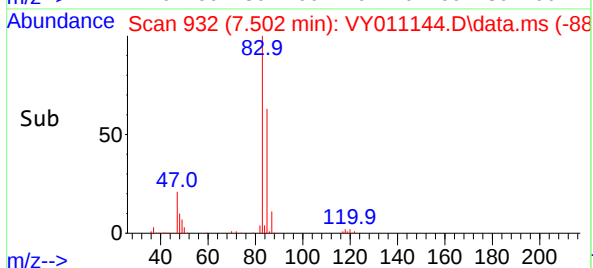
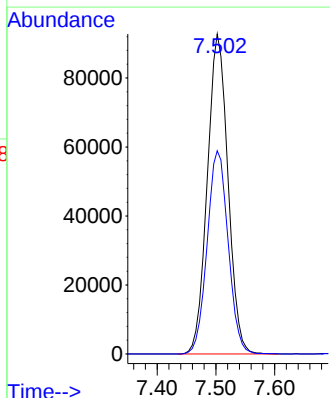
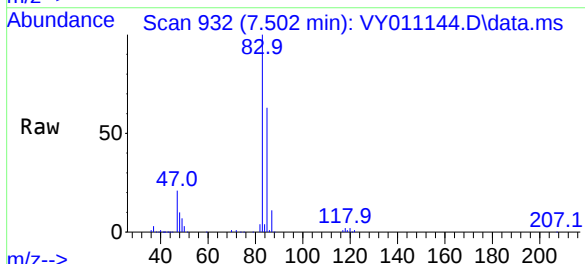
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

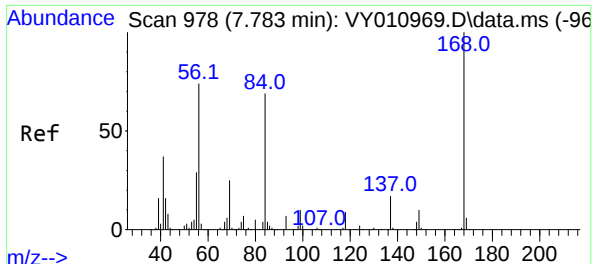
Tgt Ion: 42 Resp: 139587  
Ion Ratio Lower Upper  
42 100  
72 46.8 30.3 45.5#  
71 43.9 29.0 43.4#



#30  
Chloroform  
Concen: 53.721 ug/l  
RT: 7.502 min Scan# 932  
Delta R.T. 0.000 min  
Lab File: VY011144.D  
Acq: 27 Oct 2022 17:12

Tgt Ion: 83 Resp: 226460  
Ion Ratio Lower Upper  
83 100  
85 63.5 51.8 77.6

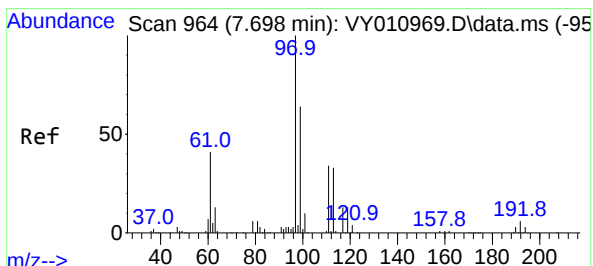
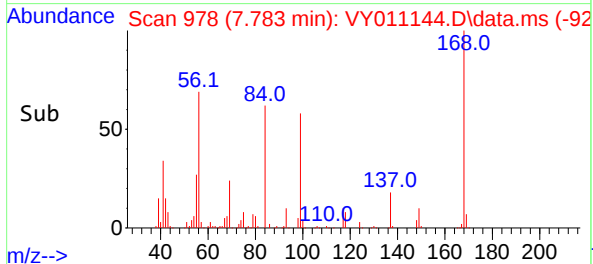
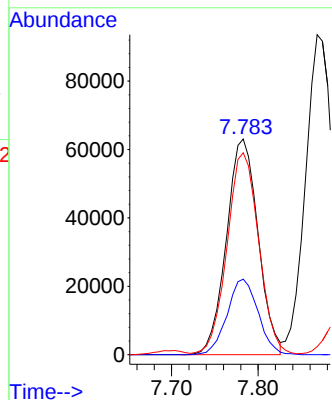
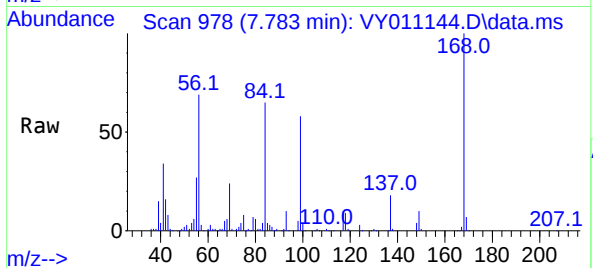




#31  
Cyclohexane  
Concen: 42.250 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY011144.D  
Acq: 27 Oct 2022 17:12

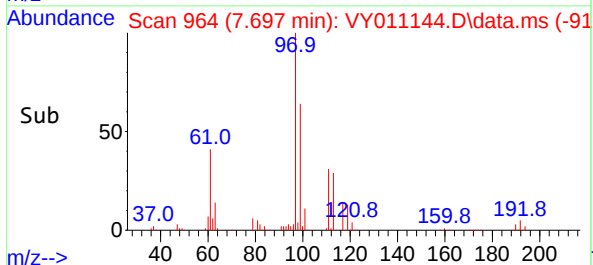
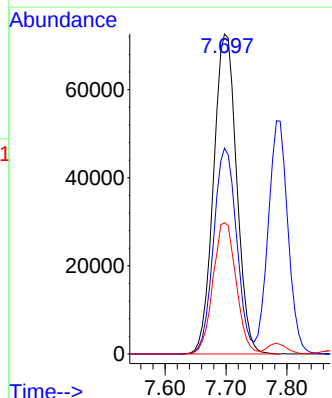
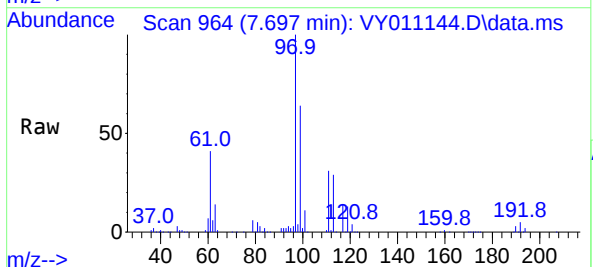
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

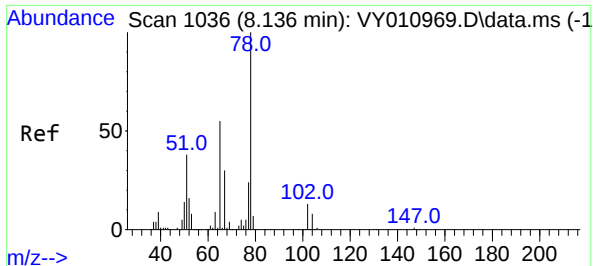
Tgt Ion: 56 Resp: 160104  
Ion Ratio Lower Upper  
56 100  
69 35.0 26.7 40.1  
84 92.0 67.2 100.8



#32  
1,1,1-Trichloroethane  
Concen: 51.681 ug/l  
RT: 7.697 min Scan# 964  
Delta R.T. -0.001 min  
Lab File: VY011144.D  
Acq: 27 Oct 2022 17:12

Tgt Ion: 97 Resp: 191499  
Ion Ratio Lower Upper  
97 100  
99 64.4 50.7 76.1  
61 41.1 37.6 56.4





#33

1,2-Dichloroethane-d4

Concen: 43.260 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY011144.D

Acq: 27 Oct 2022 17:12

Instrument :

MSVOA\_Y

ClientSampleId :

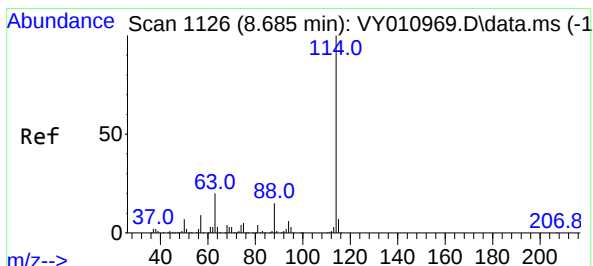
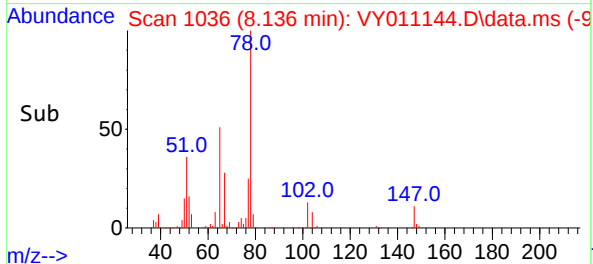
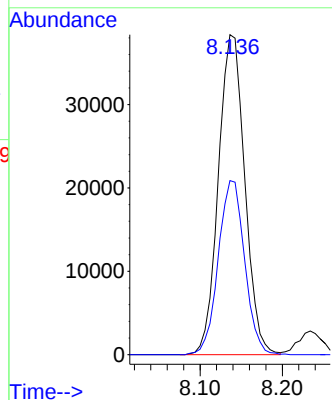
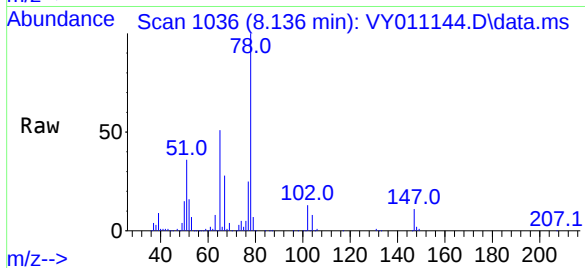
VSTDCCC050EC

Tgt Ion: 65 Resp: 85667

Ion Ratio Lower Upper

65 100

67 54.3 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY011144.D

Acq: 27 Oct 2022 17:12

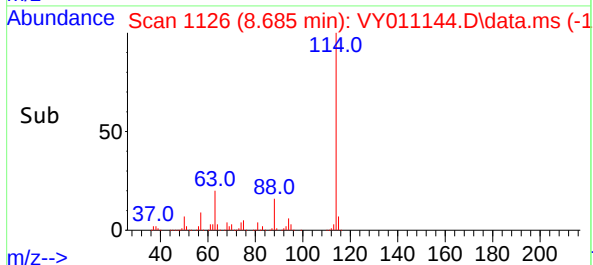
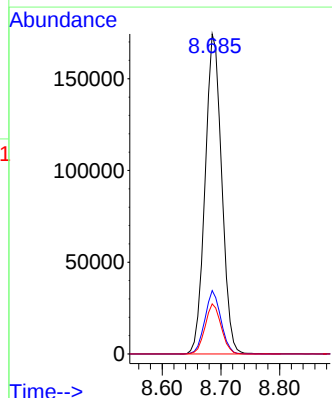
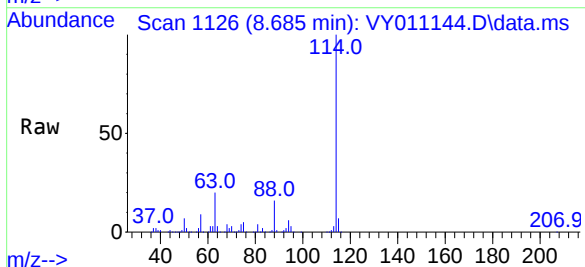
Tgt Ion: 114 Resp: 342126

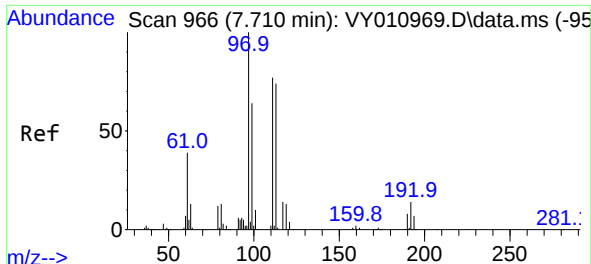
Ion Ratio Lower Upper

114 100

63 19.8 0.0 43.2

88 15.6 0.0 31.8

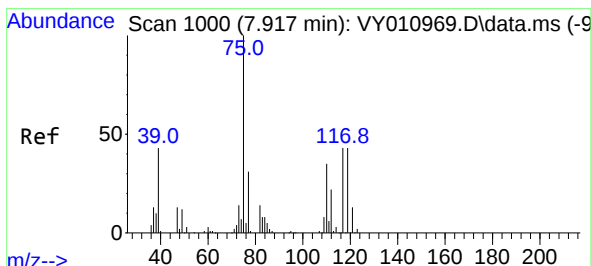
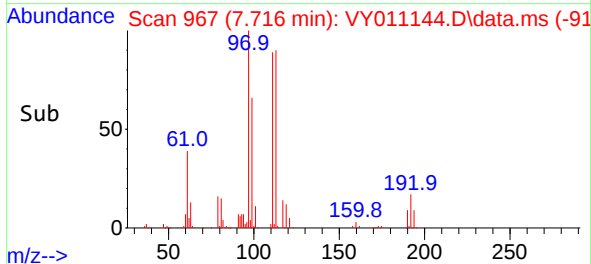
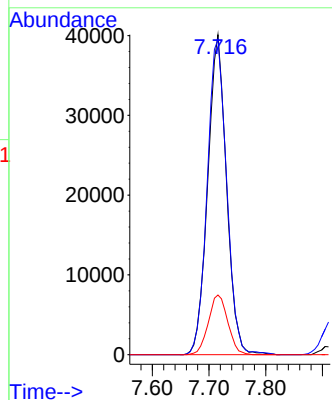
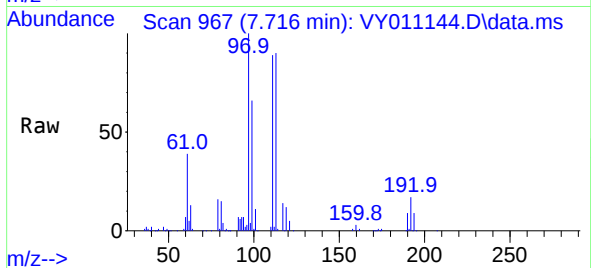




#35  
Dibromofluoromethane  
Concen: 48.279 ug/l  
RT: 7.716 min Scan# 911  
Delta R.T. 0.006 min  
Lab File: VY011144.D  
Acq: 27 Oct 2022 17:12

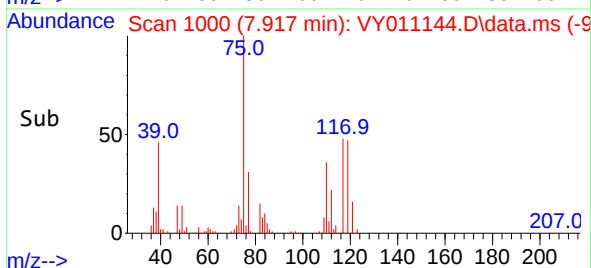
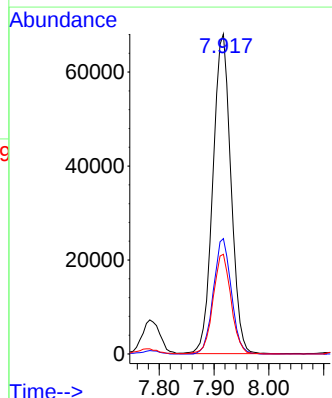
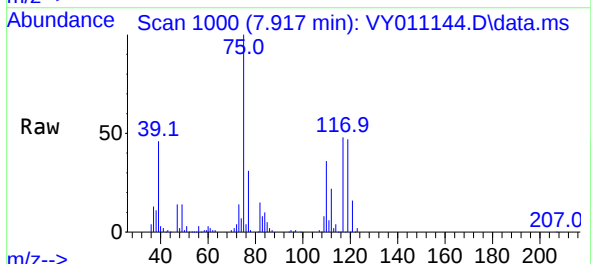
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

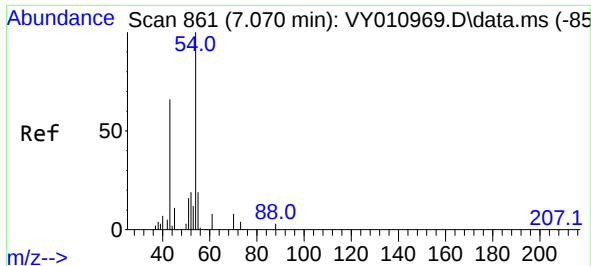
Tgt Ion:113 Resp: 92214  
Ion Ratio Lower Upper  
113 100  
111 102.1 82.6 124.0  
192 19.3 17.6 26.4



#36  
1,1-Dichloropropene  
Concen: 48.794 ug/l  
RT: 7.917 min Scan# 1000  
Delta R.T. -0.000 min  
Lab File: VY011144.D  
Acq: 27 Oct 2022 17:12

Tgt Ion: 75 Resp: 155403  
Ion Ratio Lower Upper  
75 100  
110 35.6 17.1 51.2  
77 31.1 24.4 36.6

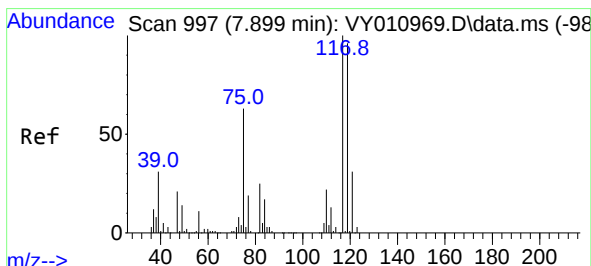
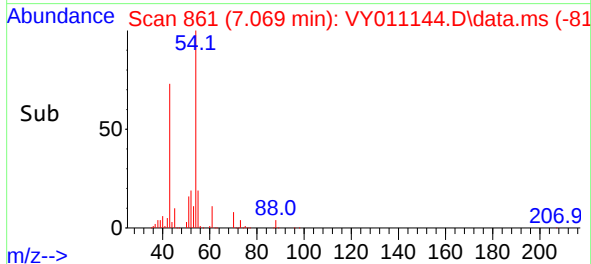
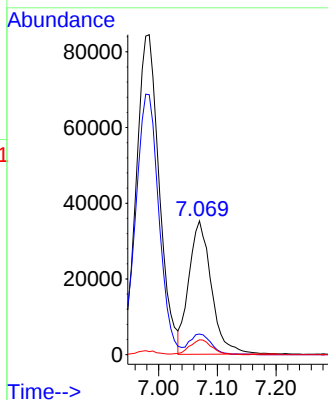
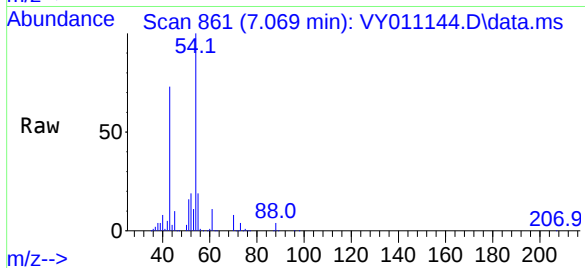




#37  
Ethyl Acetate  
Concen: 53.176 ug/l  
RT: 7.069 min Scan# 861  
Delta R.T. -0.001 min  
Lab File: VY011144.D  
Acq: 27 Oct 2022 17:12

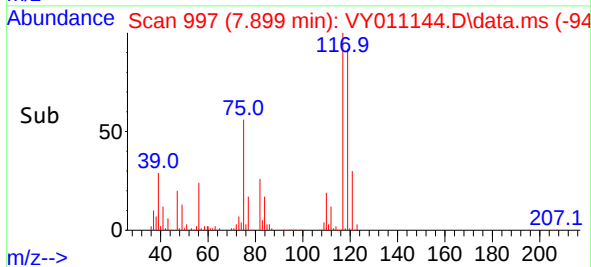
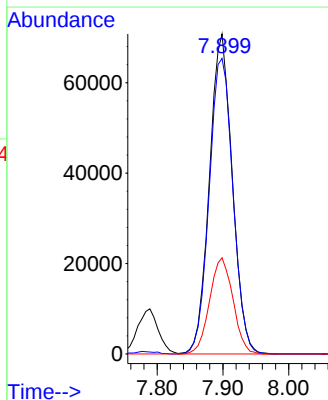
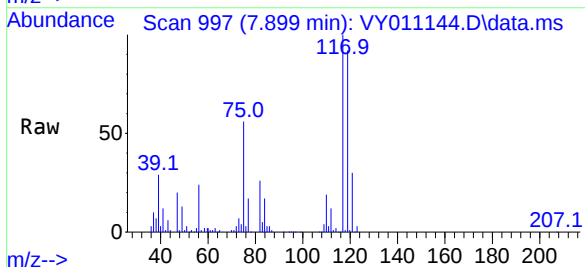
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

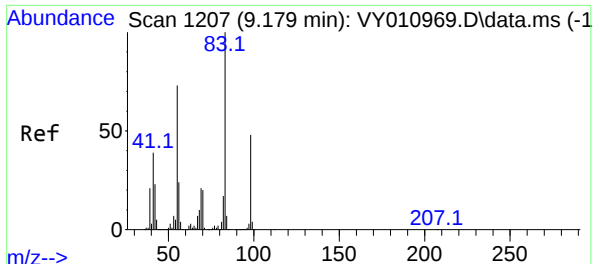
Tgt Ion: 43 Resp: 93766  
Ion Ratio Lower Upper  
43 100  
61 15.3 9.7 14.5#  
70 11.1 7.1 10.7#



#38  
Carbon Tetrachloride  
Concen: 52.119 ug/l  
RT: 7.899 min Scan# 997  
Delta R.T. -0.000 min  
Lab File: VY011144.D  
Acq: 27 Oct 2022 17:12

Tgt Ion: 117 Resp: 171348  
Ion Ratio Lower Upper  
117 100  
119 92.3 77.9 116.9  
121 30.0 24.8 37.2





#39

Methylcyclohexane

Concen: 46.609 ug/l

RT: 9.179 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY011144.D

Acq: 27 Oct 2022 17:12

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

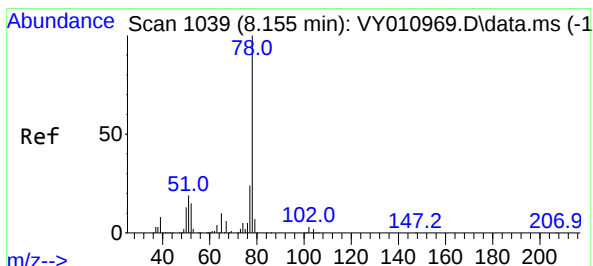
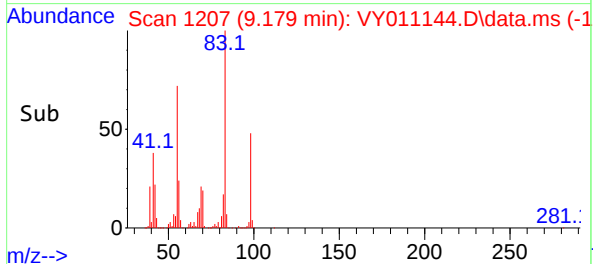
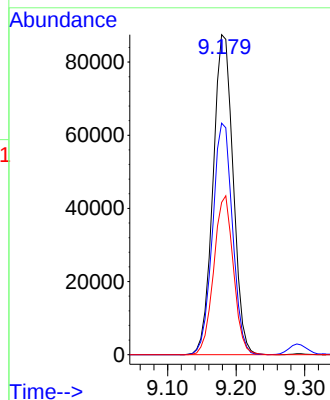
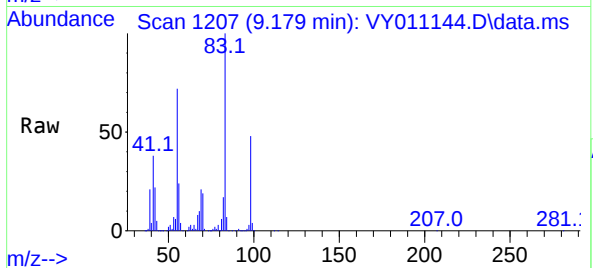
Tgt Ion: 83 Resp: 177797

Ion Ratio Lower Upper

83 100

55 72.4 66.5 99.7

98 47.6 37.9 56.9



#40

Benzene

Concen: 50.400 ug/l

RT: 8.155 min Scan# 1039

Delta R.T. -0.000 min

Lab File: VY011144.D

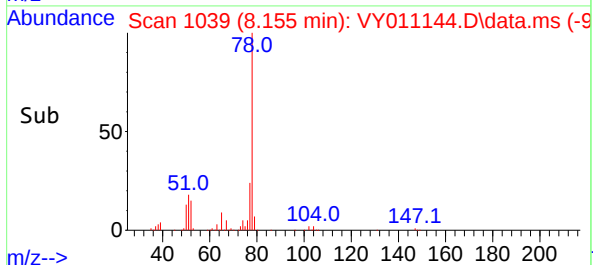
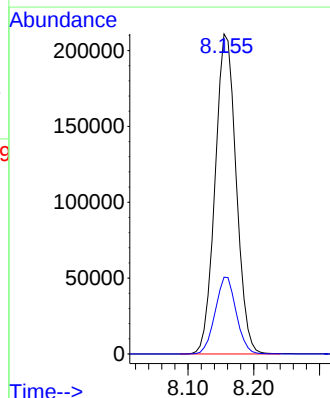
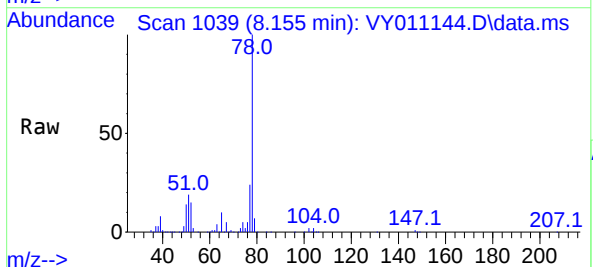
Acq: 27 Oct 2022 17:12

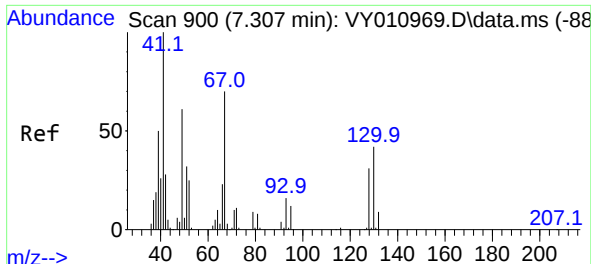
Tgt Ion: 78 Resp: 470979

Ion Ratio Lower Upper

78 100

77 24.0 20.4 30.6

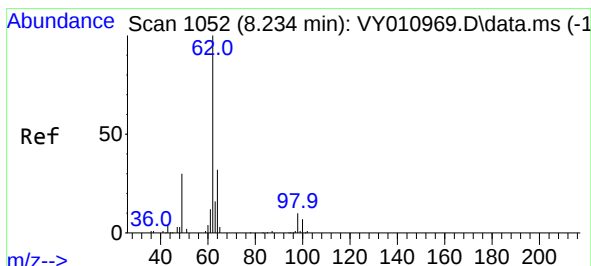
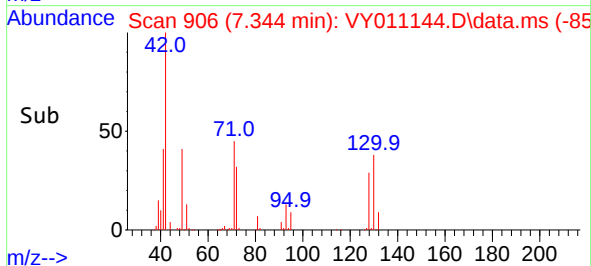
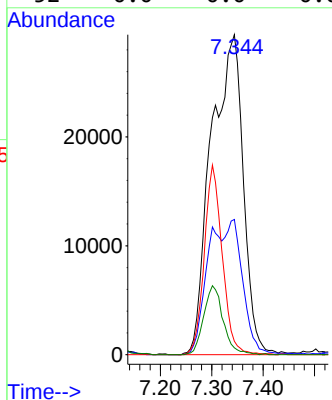
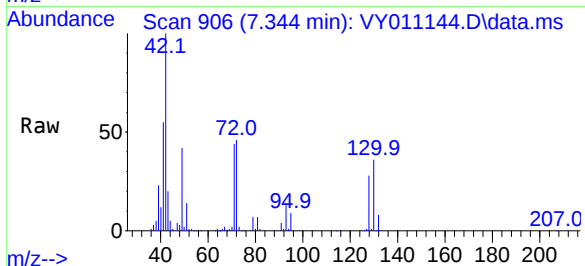




#41  
Methacrylonitrile  
Concen: 132.820 ug/l  
RT: 7.344 min Scan# 906  
Delta R.T. 0.037 min  
Lab File: VY011144.D  
Acq: 27 Oct 2022 17:12

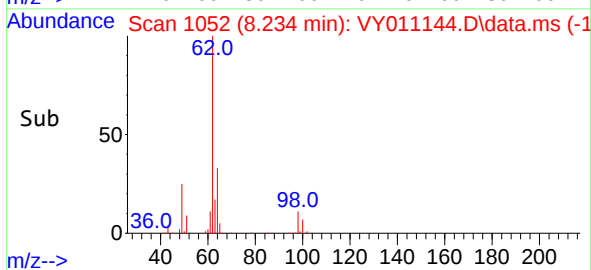
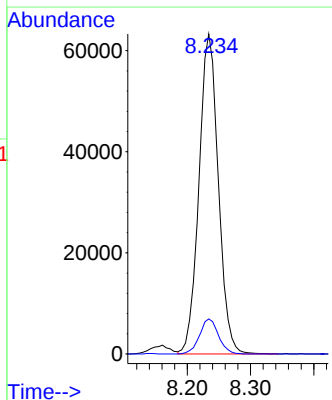
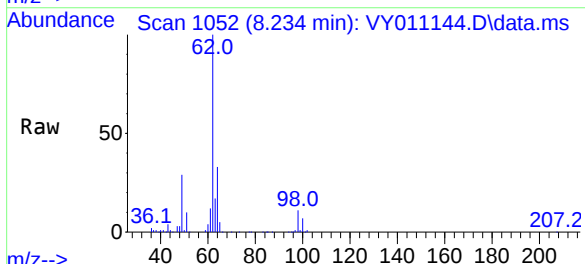
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

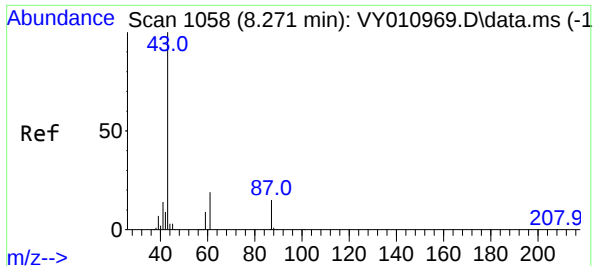
Tgt Ion: 41 Resp: 126915  
Ion Ratio Lower Upper  
41 100  
39 0.0 92.9 139.3#  
67 0.0 0.0 0.0  
52 0.0 0.0 0.0



#42  
1,2-Dichloroethane  
Concen: 52.137 ug/l  
RT: 8.234 min Scan# 1052  
Delta R.T. -0.000 min  
Lab File: VY011144.D  
Acq: 27 Oct 2022 17:12

Tgt Ion: 62 Resp: 134999  
Ion Ratio Lower Upper  
62 100  
98 10.7 0.0 14.8

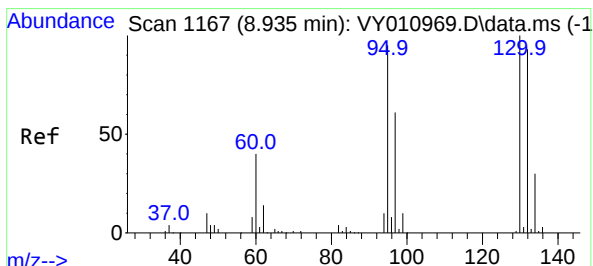
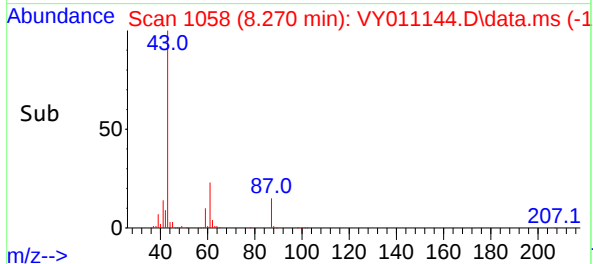
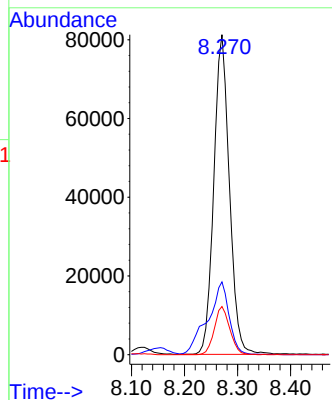
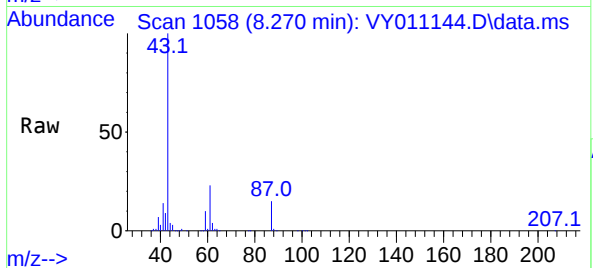




#43  
Isopropyl Acetate  
Concen: 52.698 ug/l  
RT: 8.270 min Scan# 1105  
Delta R.T. -0.001 min  
Lab File: VY011144.D  
Acq: 27 Oct 2022 17:12

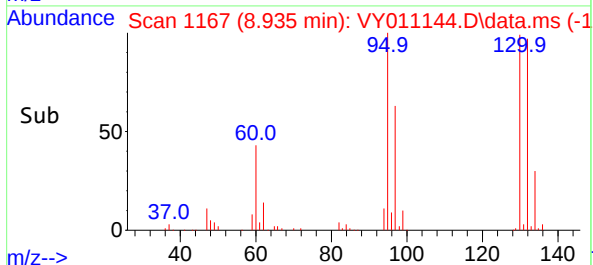
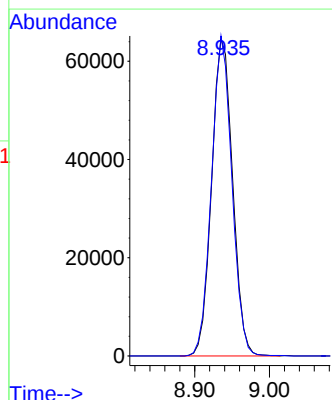
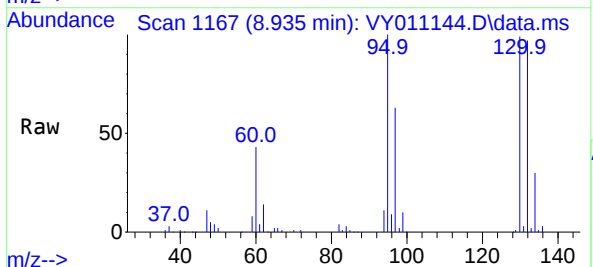
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

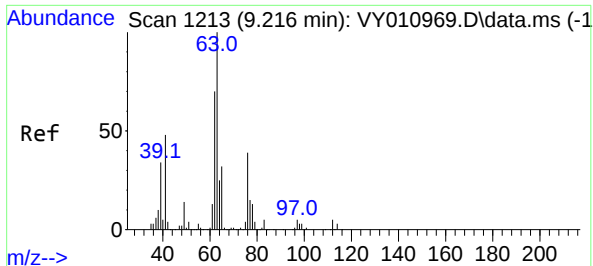
Tgt Ion: 43 Resp: 166023  
Ion Ratio Lower Upper  
43 100  
61 31.2 20.2 30.2#  
87 14.9 8.9 13.3#



#44  
Trichloroethene  
Concen: 49.766 ug/l  
RT: 8.935 min Scan# 1167  
Delta R.T. 0.000 min  
Lab File: VY011144.D  
Acq: 27 Oct 2022 17:12

Tgt Ion:130 Resp: 126026  
Ion Ratio Lower Upper  
130 100  
95 100.9 0.0 188.2





#45

1,2-Dichloropropane

Concen: 53.248 ug/l

RT: 9.209 min Scan# 1212

Delta R.T. -0.007 min

Lab File: VY011144.D

Acq: 27 Oct 2022 17:12

Instrument :

MSVOA\_Y

ClientSampleId :

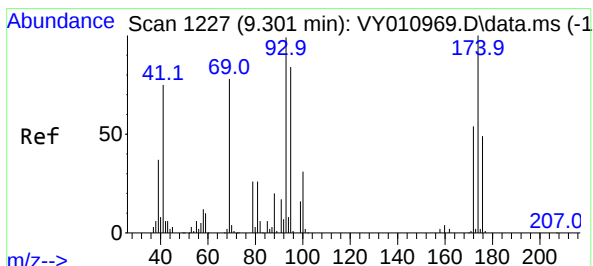
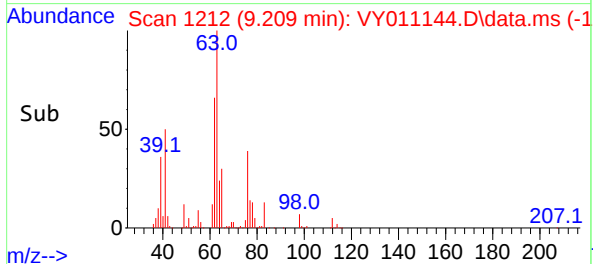
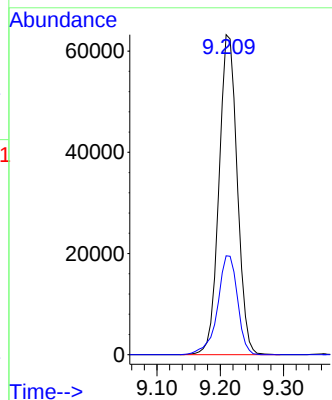
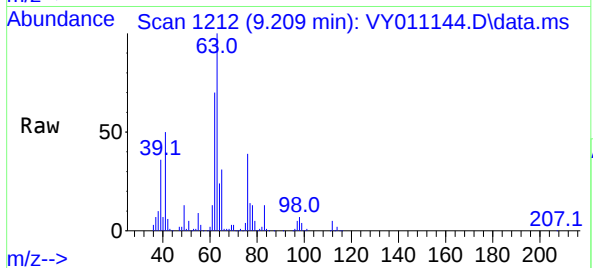
VSTDCCC050EC

Tgt Ion: 63 Resp: 126252

Ion Ratio Lower Upper

63 100

65 30.9 23.0 34.6



#46

Dibromomethane

Concen: 53.200 ug/l

RT: 9.301 min Scan# 1227

Delta R.T. -0.000 min

Lab File: VY011144.D

Acq: 27 Oct 2022 17:12

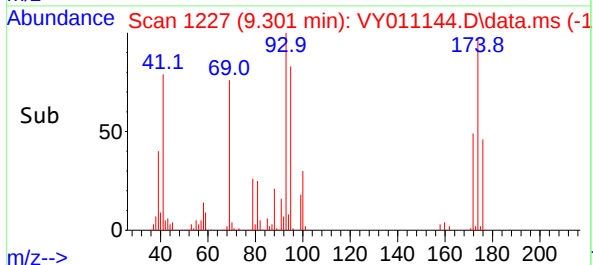
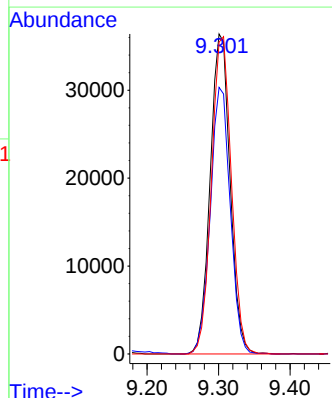
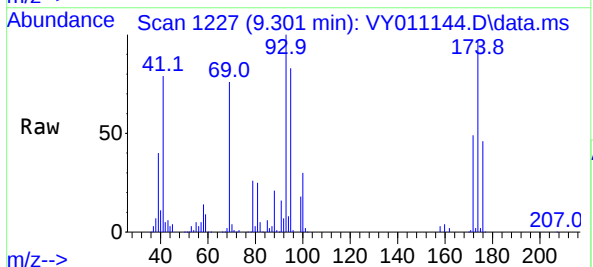
Tgt Ion: 93 Resp: 70353

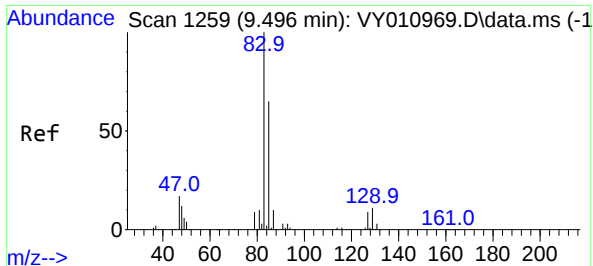
Ion Ratio Lower Upper

93 100

95 83.5 64.3 96.5

174 99.2 83.4 125.0





#47

Bromodichloromethane

Concen: 55.460 ug/l

RT: 9.496 min Scan# 1259

Delta R.T. -0.000 min

Lab File: VY011144.D

Acq: 27 Oct 2022 17:12

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

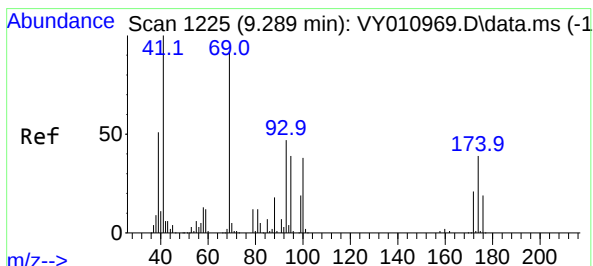
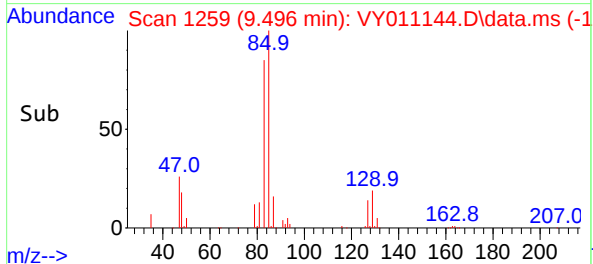
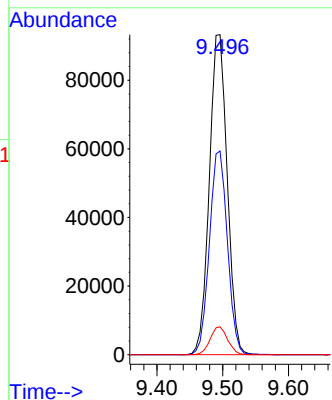
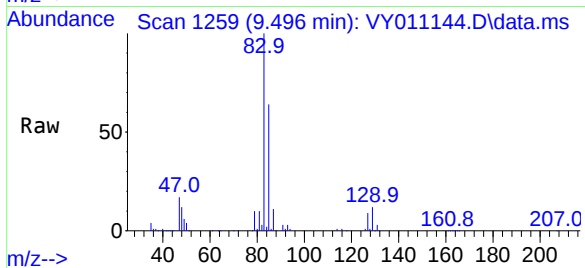
Tgt Ion: 83 Resp: 176739

Ion Ratio Lower Upper

83 100

85 63.6 51.9 77.9

127 8.7 6.6 10.0



#48

Methyl methacrylate

Concen: 53.223 ug/l

RT: 9.289 min Scan# 1225

Delta R.T. -0.000 min

Lab File: VY011144.D

Acq: 27 Oct 2022 17:12

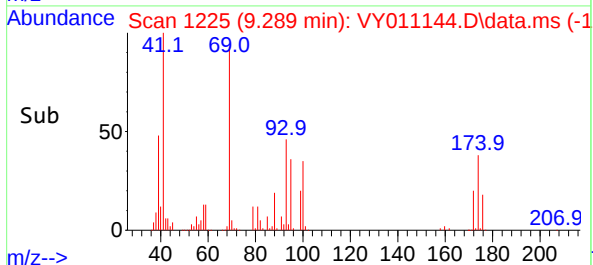
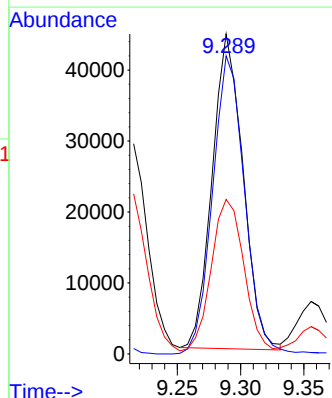
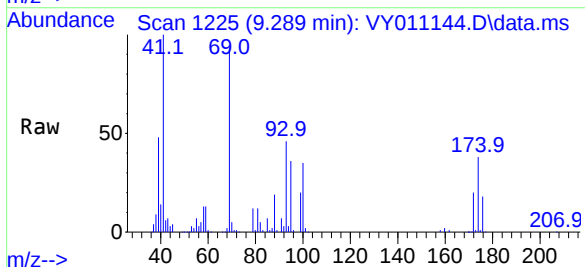
Tgt Ion: 41 Resp: 75043

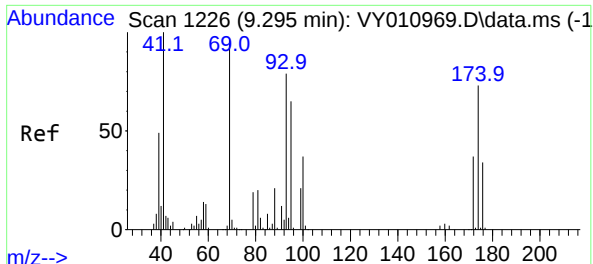
Ion Ratio Lower Upper

41 100

69 98.7 58.2 87.2#

39 52.9 47.4 71.0

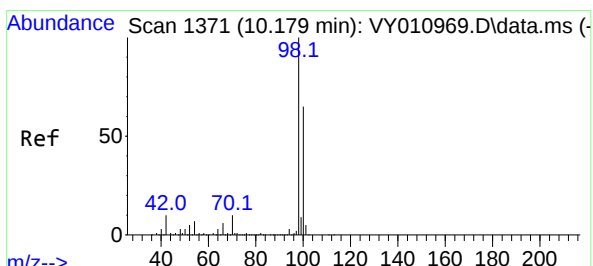
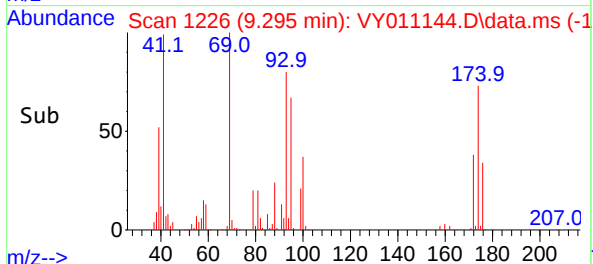
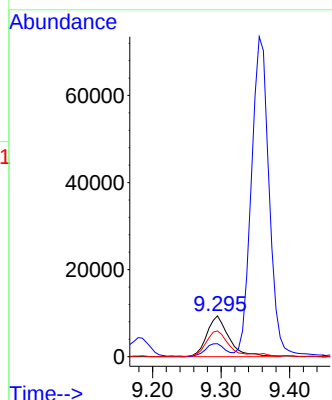
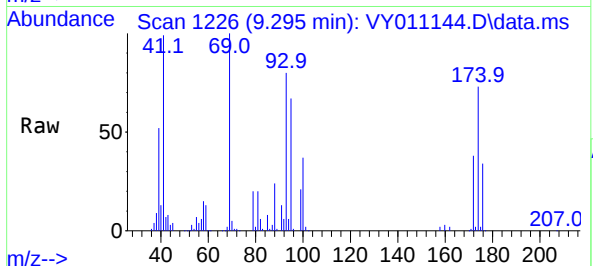




#49  
1,4-Dioxane  
Concen: 1107.302 ug/l  
RT: 9.295 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY011144.D  
Acq: 27 Oct 2022 17:12

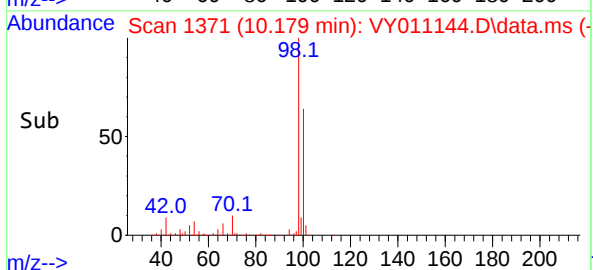
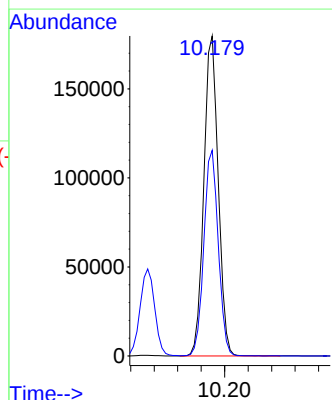
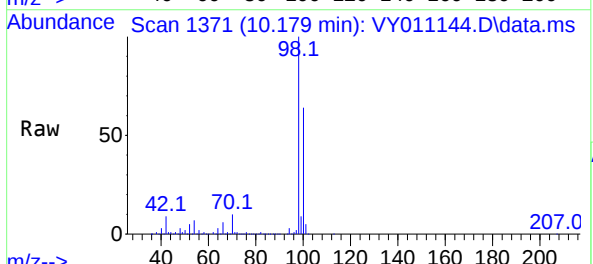
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

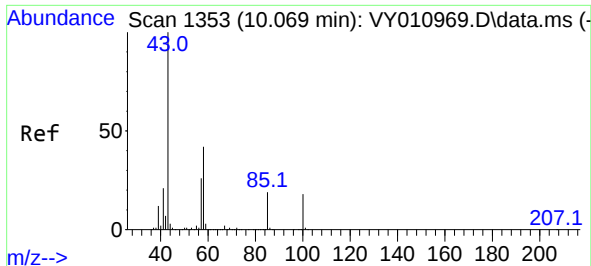
Tgt Ion: 88 Resp: 21039  
Ion Ratio Lower Upper  
88 100  
43 27.9 32.8 49.2#  
58 70.2 59.8 89.6



#50  
Toluene-d8  
Concen: 42.722 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY011144.D  
Acq: 27 Oct 2022 17:12

Tgt Ion: 98 Resp: 305189  
Ion Ratio Lower Upper  
98 100  
100 64.5 50.2 75.2

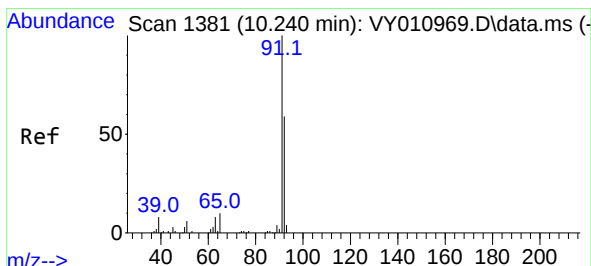
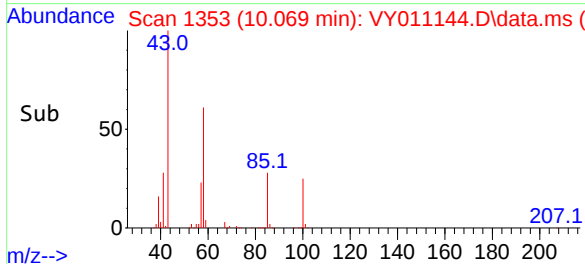
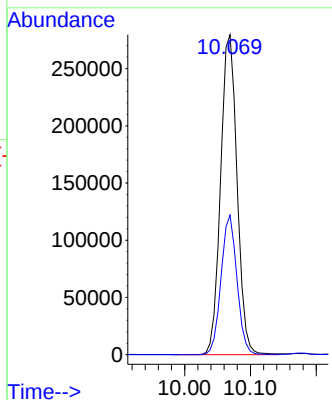
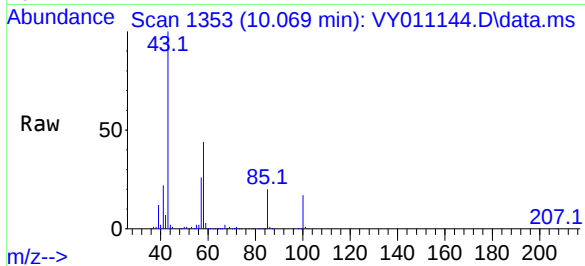




#51  
4-Methyl-2-Pentanone  
Concen: 277.179 ug/l  
RT: 10.069 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY011144.D  
Acq: 27 Oct 2022 17:12

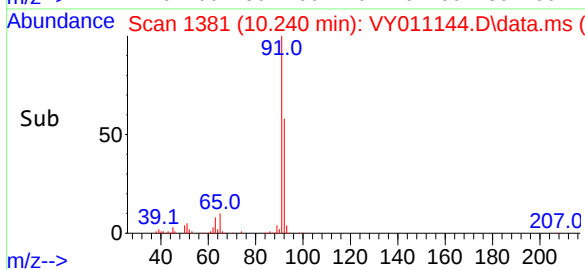
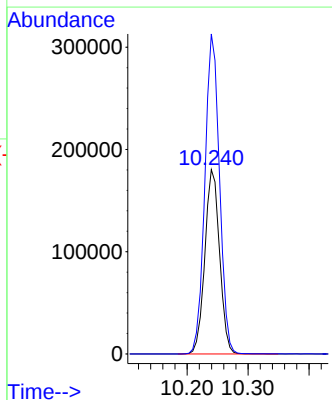
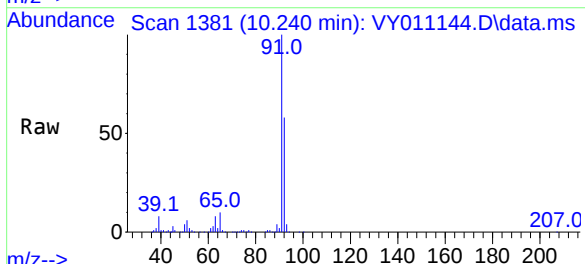
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

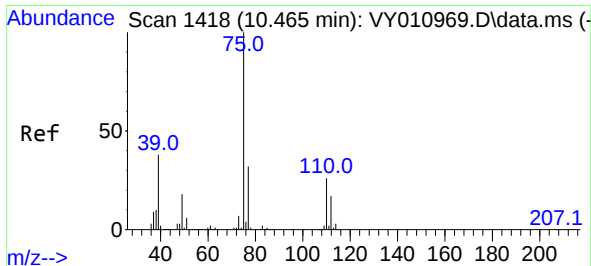
Tgt Ion: 43 Resp: 486999  
Ion Ratio Lower Upper  
43 100  
58 42.2 28.1 42.1#



#52  
Toluene  
Concen: 52.040 ug/l  
RT: 10.240 min Scan# 1381  
Delta R.T. -0.000 min  
Lab File: VY011144.D  
Acq: 27 Oct 2022 17:12

Tgt Ion: 92 Resp: 302117  
Ion Ratio Lower Upper  
92 100  
91 172.7 142.6 213.8

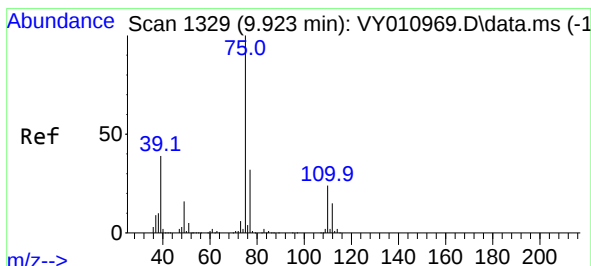
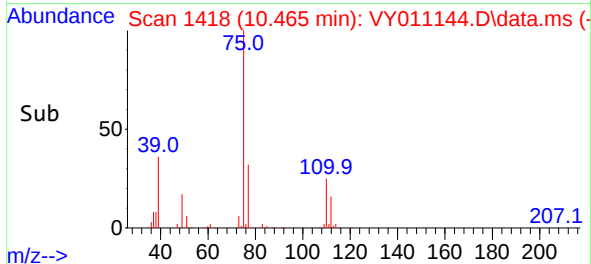
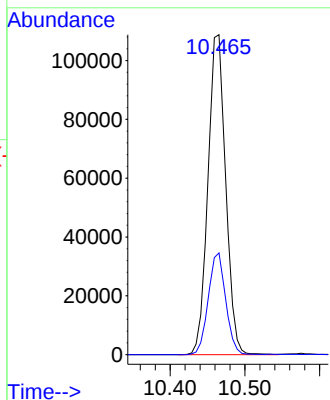
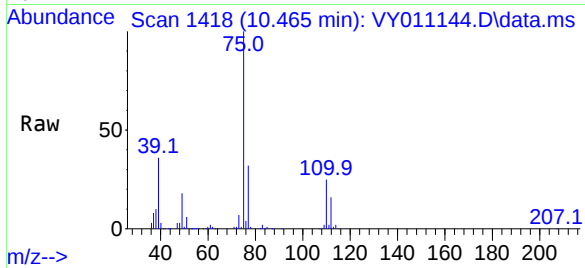




#53  
t-1,3-Dichloropropene  
Concen: 54.209 ug/l  
RT: 10.465 min Scan# 1418  
Delta R.T. 0.000 min  
Lab File: VY011144.D  
Acq: 27 Oct 2022 17:12

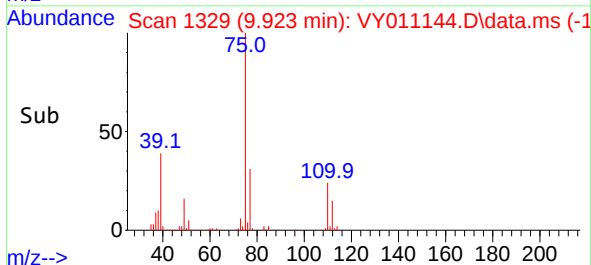
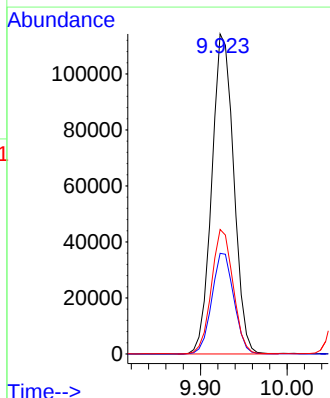
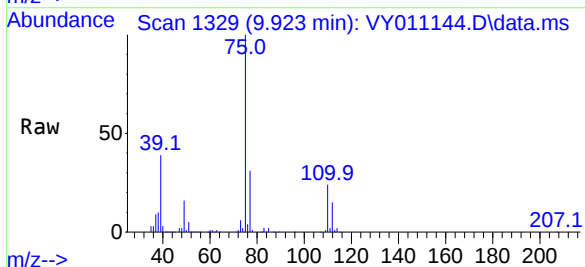
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

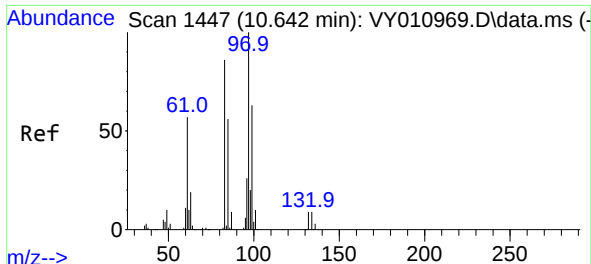
Tgt Ion: 75 Resp: 179467  
Ion Ratio Lower Upper  
75 100  
77 31.8 25.4 38.2



#54  
cis-1,3-Dichloropropene  
Concen: 53.016 ug/l  
RT: 9.923 min Scan# 1329  
Delta R.T. -0.000 min  
Lab File: VY011144.D  
Acq: 27 Oct 2022 17:12

Tgt Ion: 75 Resp: 200852  
Ion Ratio Lower Upper  
75 100  
77 31.4 25.6 38.4  
39 38.9 47.6 71.4#



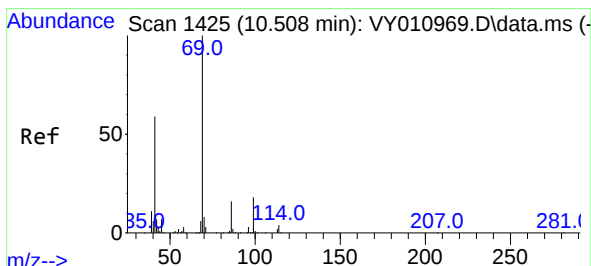
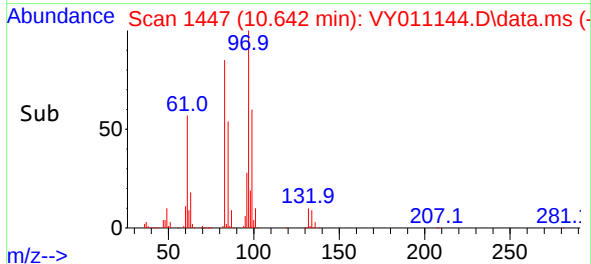
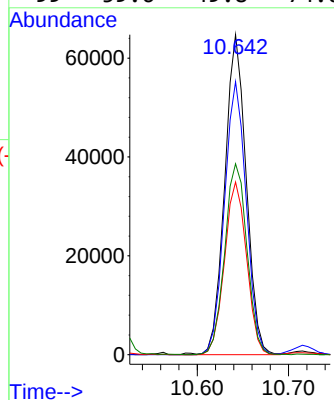
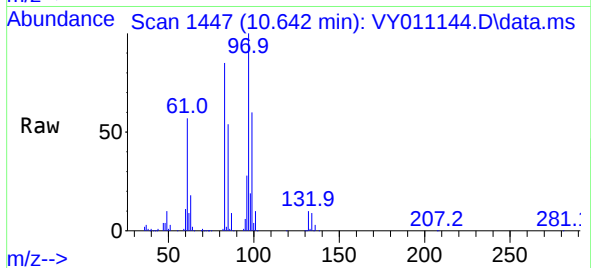


#55  
1,1,2-Trichloroethane  
Concen: 55.538 ug/l  
RT: 10.642 min Scan# 1447  
Delta R.T. 0.000 min  
Lab File: VY011144.D  
Acq: 27 Oct 2022 17:12

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 97 Resp: 105952

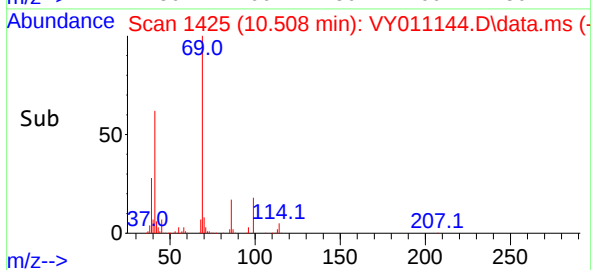
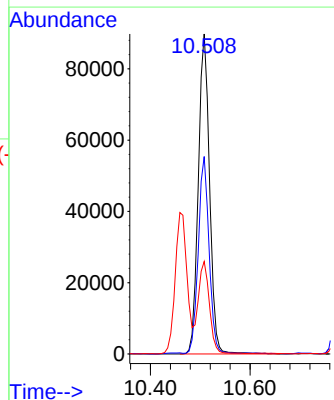
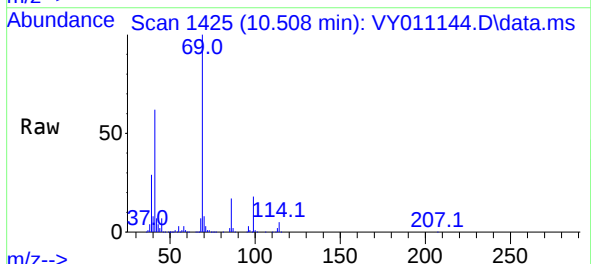
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 85.3  | 69.8  | 104.8 |
| 85  | 54.0  | 44.3  | 66.5  |
| 99  | 59.6  | 49.8  | 74.6  |

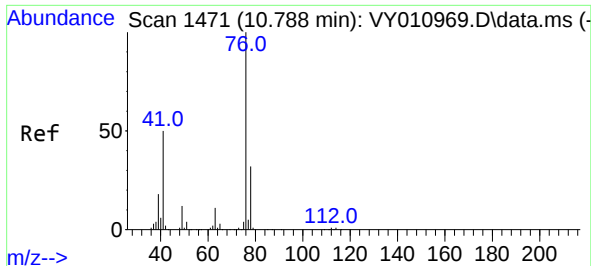


#56  
Ethyl methacrylate  
Concen: 55.475 ug/l  
RT: 10.508 min Scan# 1425  
Delta R.T. -0.000 min  
Lab File: VY011144.D  
Acq: 27 Oct 2022 17:12

Tgt Ion: 69 Resp: 140563

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 58.6  | 63.4  | 95.0# |
| 39  | 29.1  | 35.8  | 53.8# |





#57

1,3-Dichloropropane

Concen: 53.984 ug/l

RT: 10.788 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VY011144.D

Acq: 27 Oct 2022 17:12

Instrument :

MSVOA\_Y

ClientSampleId :

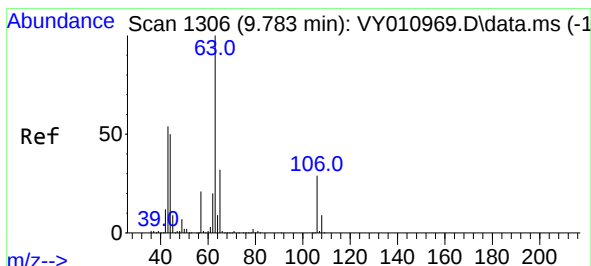
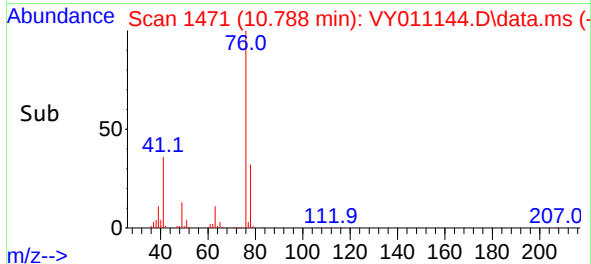
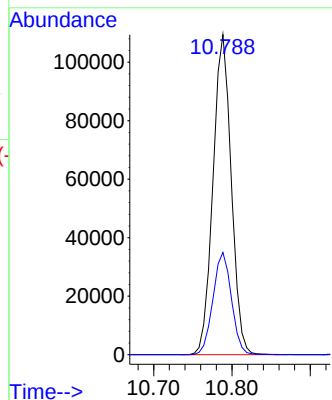
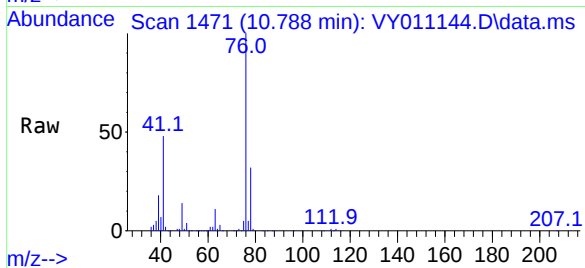
VSTDCCC050EC

Tgt Ion: 76 Resp: 177072

Ion Ratio Lower Upper

76 100

78 32.3 25.0 37.6



#58

2-Chloroethyl Vinyl ether

Concen: 268.252 ug/l

RT: 9.782 min Scan# 1306

Delta R.T. -0.001 min

Lab File: VY011144.D

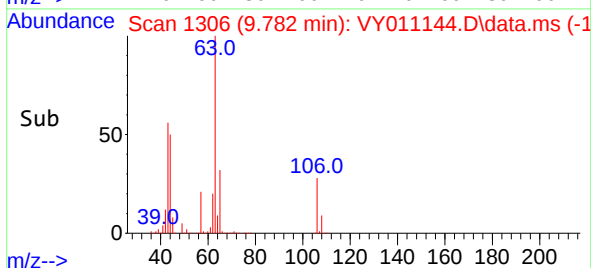
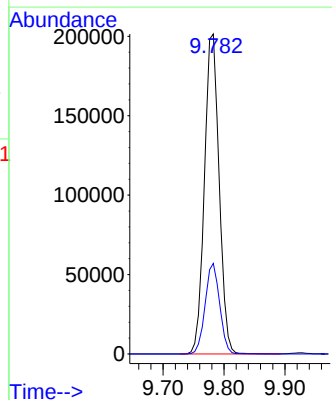
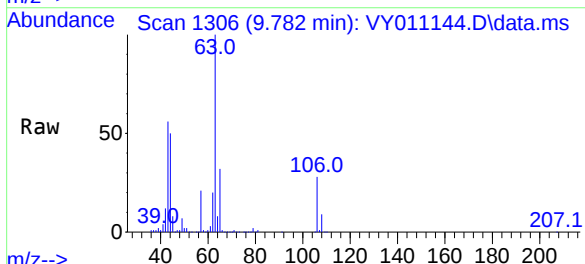
Acq: 27 Oct 2022 17:12

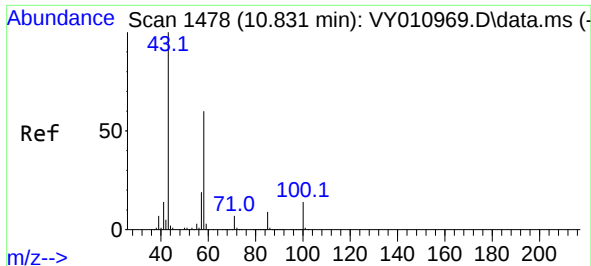
Tgt Ion: 63 Resp: 337962

Ion Ratio Lower Upper

63 100

106 27.9 21.5 32.3

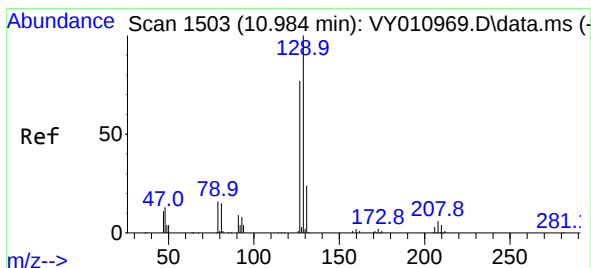
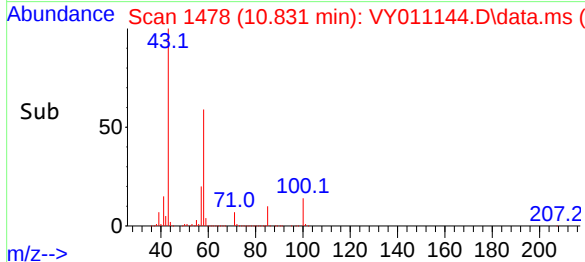
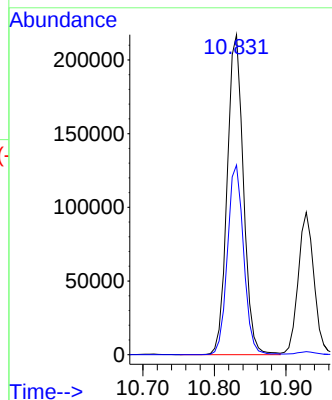
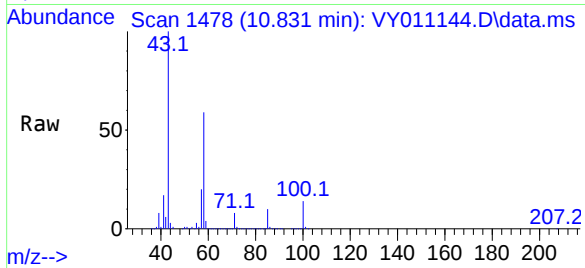




#59  
2-Hexanone  
Concen: 283.527 ug/l  
RT: 10.831 min Scan# 1478  
Delta R.T. 0.000 min  
Lab File: VY011144.D  
Acq: 27 Oct 2022 17:12

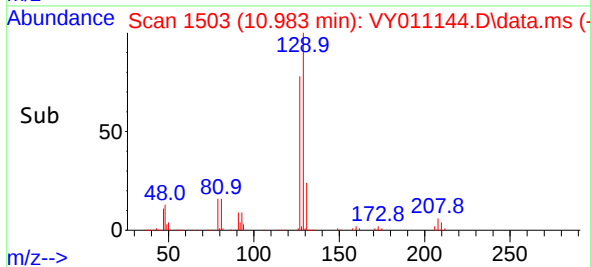
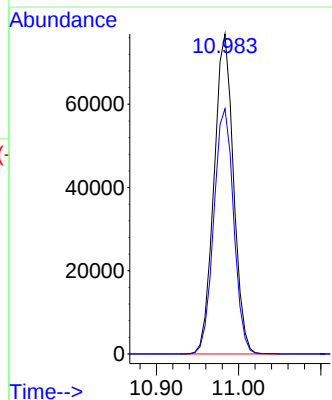
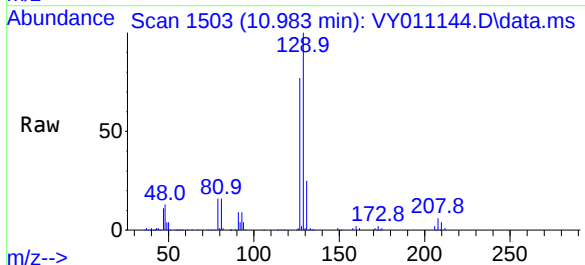
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

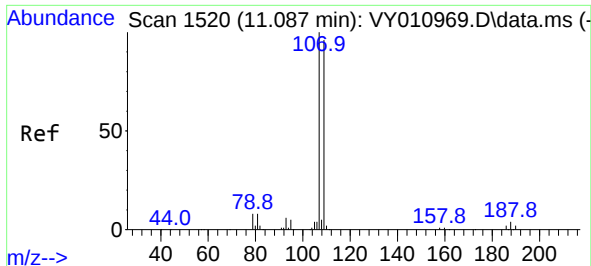
Tgt Ion: 43 Resp: 342188  
Ion Ratio Lower Upper  
43 100  
58 59.0 24.4 73.4



#60  
Dibromochloromethane  
Concen: 55.782 ug/l  
RT: 10.983 min Scan# 1503  
Delta R.T. -0.001 min  
Lab File: VY011144.D  
Acq: 27 Oct 2022 17:12

Tgt Ion: 129 Resp: 126542  
Ion Ratio Lower Upper  
129 100  
127 78.3 38.7 116.1

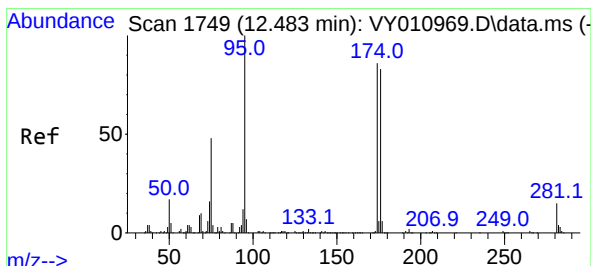
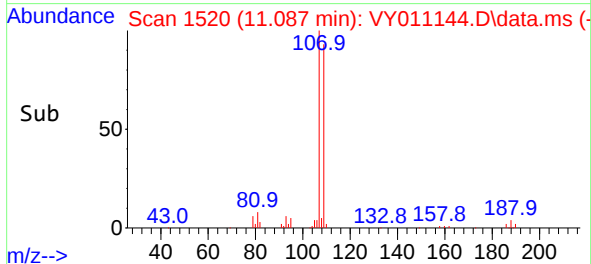
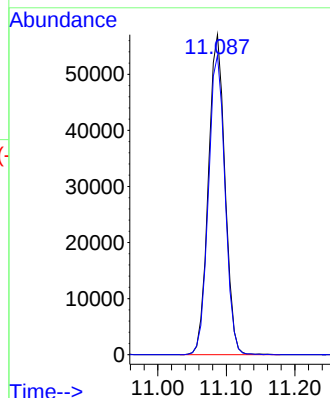
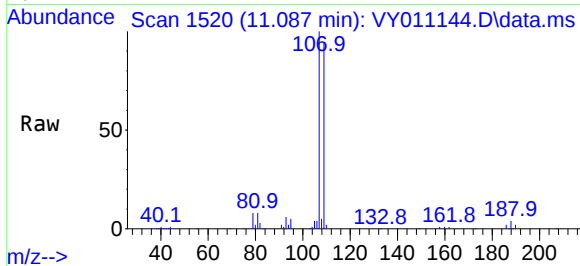




#61  
1,2-Dibromoethane  
Concen: 52.648 ug/l  
RT: 11.087 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY011144.D  
Acq: 27 Oct 2022 17:12

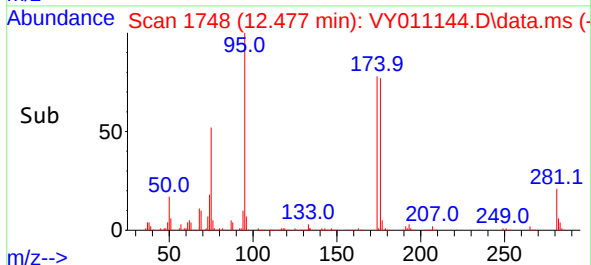
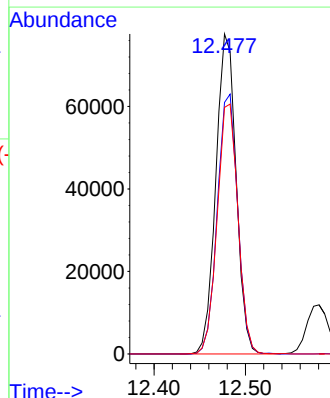
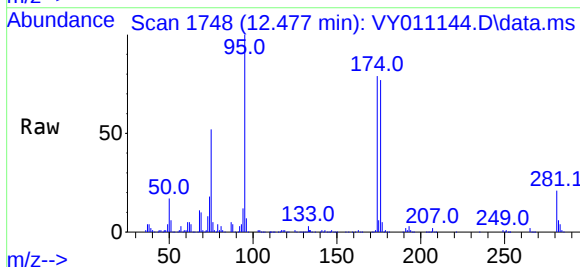
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

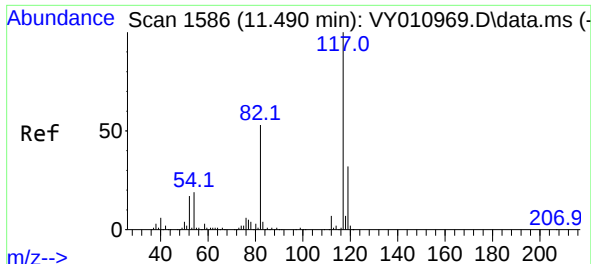
Tgt Ion:107 Resp: 96184  
Ion Ratio Lower Upper  
107 100  
109 93.6 75.4 113.2



#62  
4-Bromofluorobenzene  
Concen: 47.018 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.006 min  
Lab File: VY011144.D  
Acq: 27 Oct 2022 17:12

Tgt Ion: 95 Resp: 119440  
Ion Ratio Lower Upper  
95 100  
174 81.8 0.0 177.0  
176 80.1 0.0 175.8

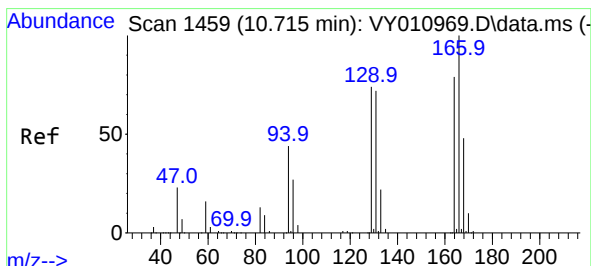
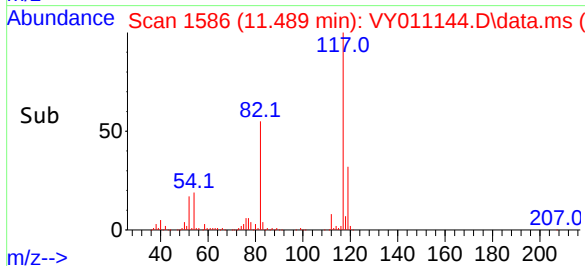
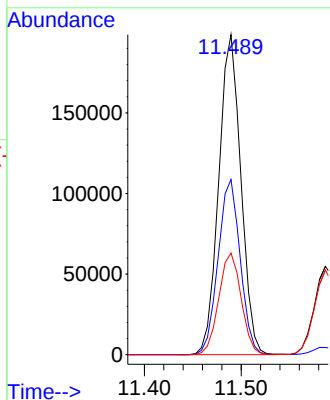
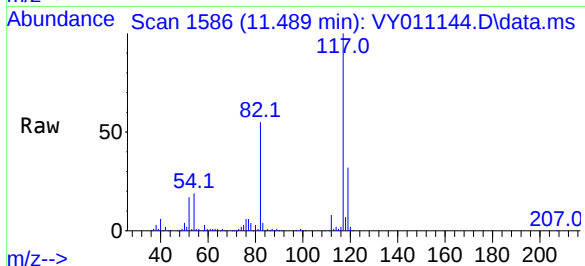




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 11  
Delta R.T. -0.001 min  
Lab File: VY011144.D  
Acq: 27 Oct 2022 17:12

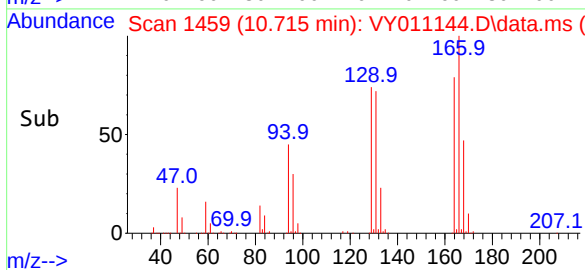
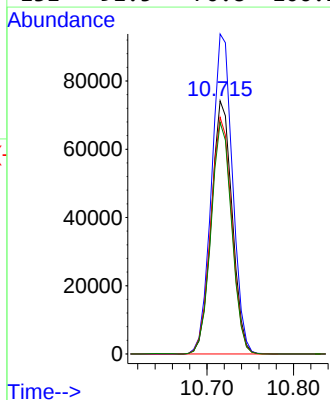
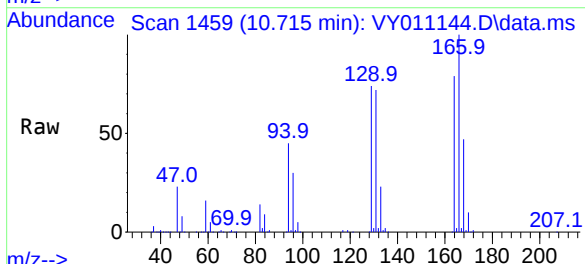
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

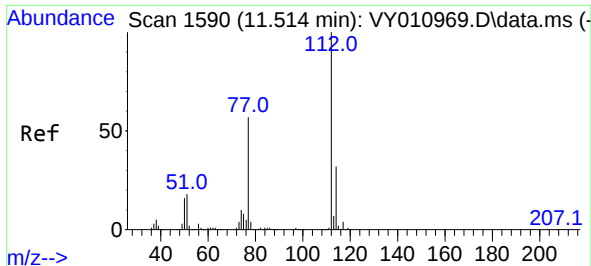
Tgt Ion:117 Resp: 315065  
Ion Ratio Lower Upper  
117 100  
82 54.8 43.0 64.4  
119 31.7 25.4 38.0



#64  
Tetrachloroethene  
Concen: 50.331 ug/l  
RT: 10.715 min Scan# 1459  
Delta R.T. 0.000 min  
Lab File: VY011144.D  
Acq: 27 Oct 2022 17:12

Tgt Ion:164 Resp: 123442  
Ion Ratio Lower Upper  
164 100  
166 126.4 100.4 150.6  
129 93.5 71.4 107.0  
131 91.5 70.8 106.2

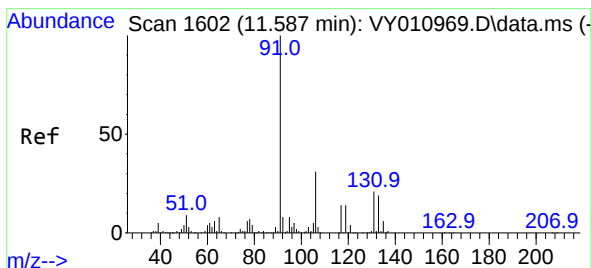
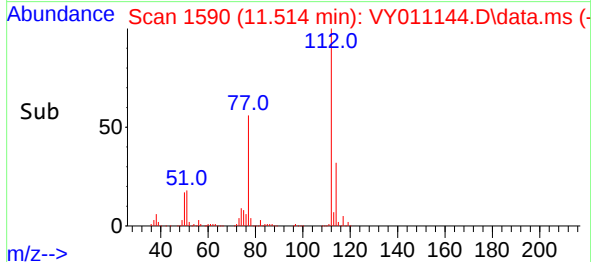
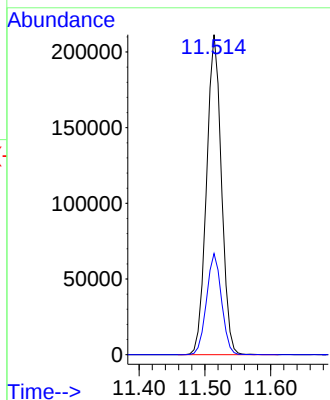
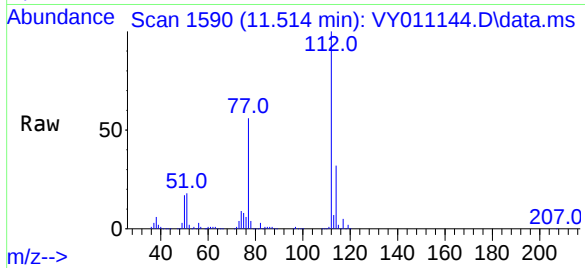




#65  
Chlorobenzene  
Concen: 51.486 ug/l  
RT: 11.514 min Scan# 111  
Delta R.T. -0.000 min  
Lab File: VY011144.D  
Acq: 27 Oct 2022 17:12

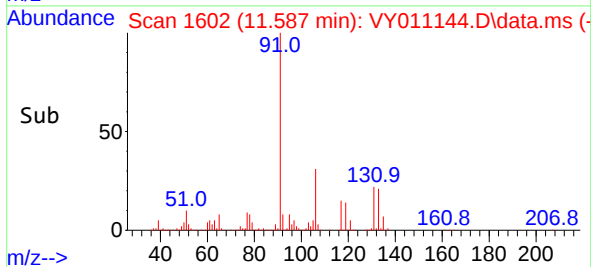
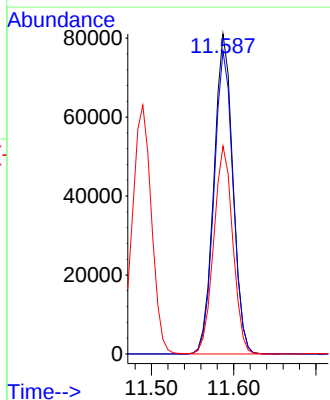
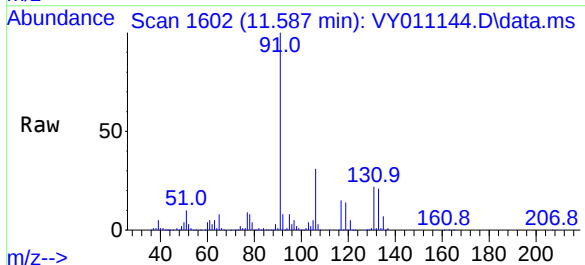
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

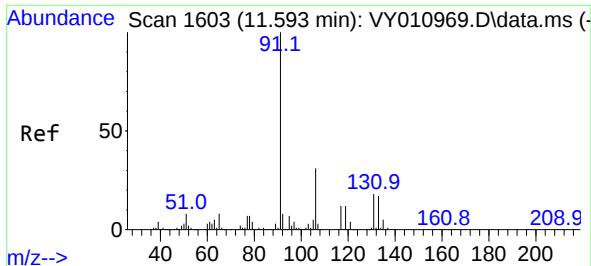
Tgt Ion:112 Resp: 333033  
Ion Ratio Lower Upper  
112 100  
114 31.6 25.8 38.6



#66  
1,1,1,2-Tetrachloroethane  
Concen: 54.251 ug/l  
RT: 11.587 min Scan# 1602  
Delta R.T. -0.000 min  
Lab File: VY011144.D  
Acq: 27 Oct 2022 17:12

Tgt Ion:131 Resp: 129887  
Ion Ratio Lower Upper  
131 100  
133 94.7 47.9 143.6  
119 65.2 30.8 92.3





#67

Ethyl Benzene

Concen: 52.092 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. 0.000 min

Lab File: VY011144.D

Acq: 27 Oct 2022 17:12

Instrument :

MSVOA\_Y

ClientSampleId :

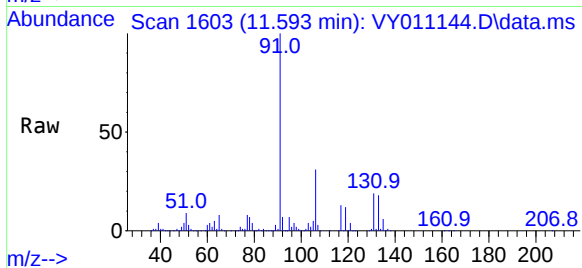
VSTDCCC050EC

Tgt Ion: 91 Resp: 596108

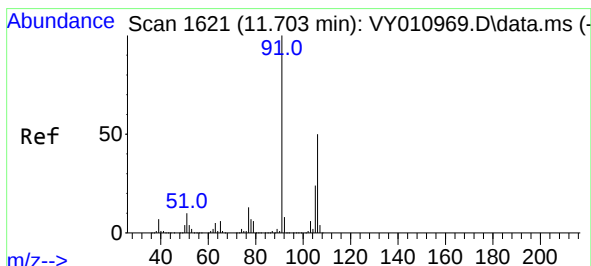
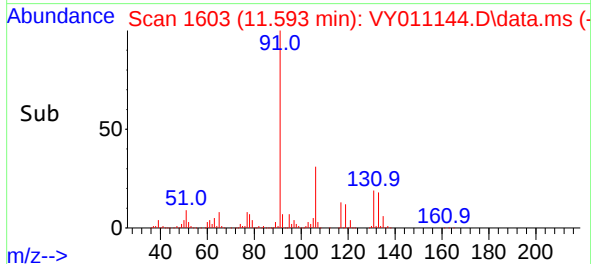
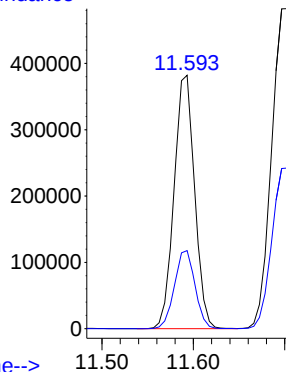
Ion Ratio Lower Upper

91 100

106 30.8 24.5 36.7



Abundance



#68

m/p-Xylenes

Concen: 103.762 ug/l

RT: 11.703 min Scan# 1621

Delta R.T. -0.000 min

Lab File: VY011144.D

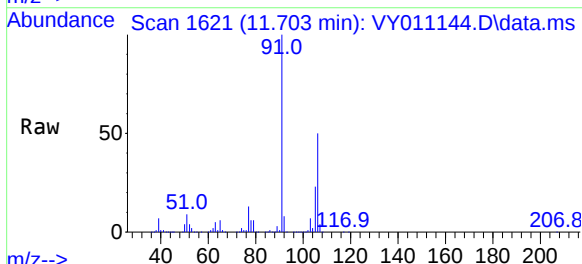
Acq: 27 Oct 2022 17:12

Tgt Ion:106 Resp: 456772

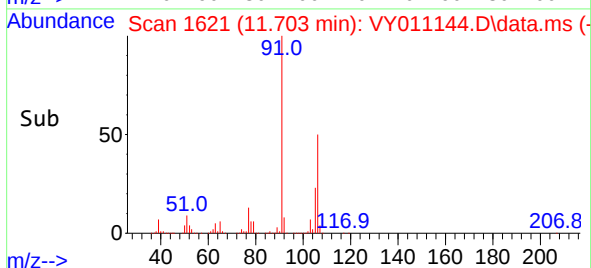
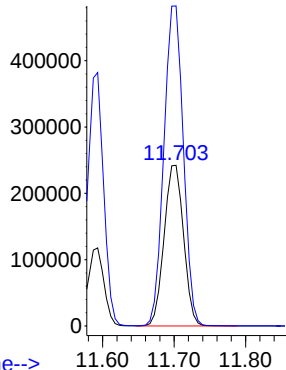
Ion Ratio Lower Upper

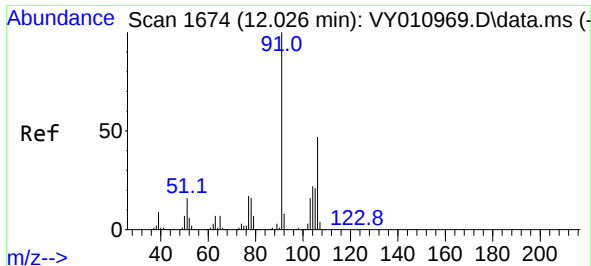
106 100

91 199.5 166.6 249.8



Abundance

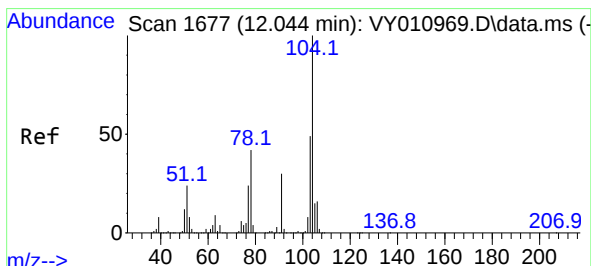
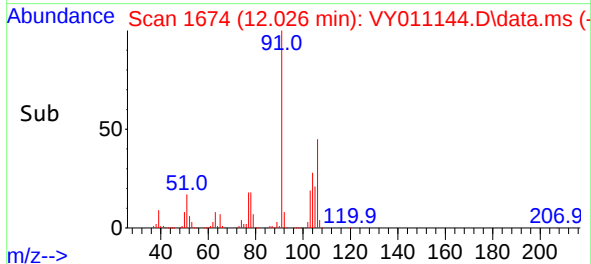
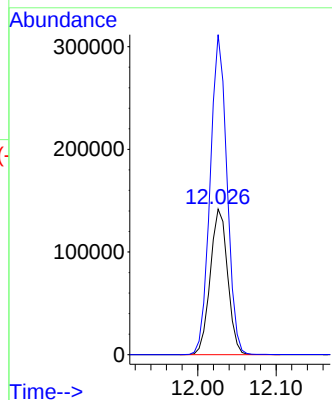
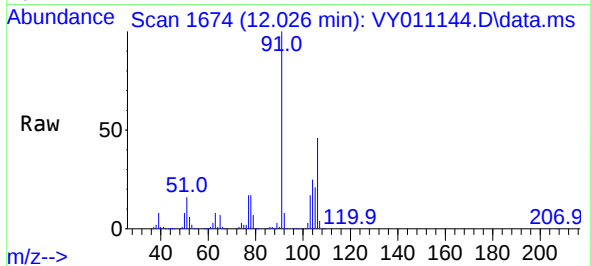




#69  
o-Xylene  
Concen: 52.263 ug/l  
RT: 12.026 min Scan# 1674  
Delta R.T. -0.000 min  
Lab File: VY011144.D  
Acq: 27 Oct 2022 17:12

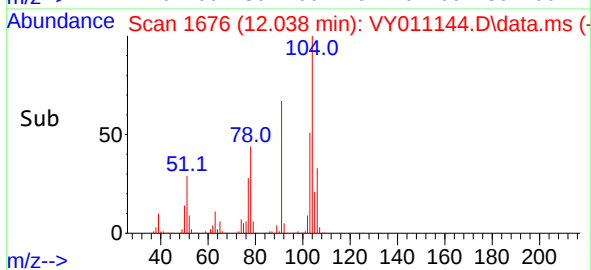
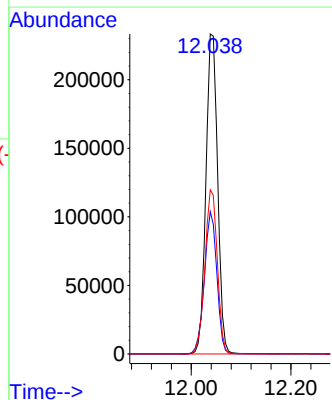
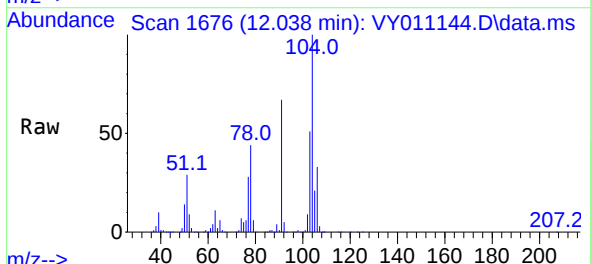
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

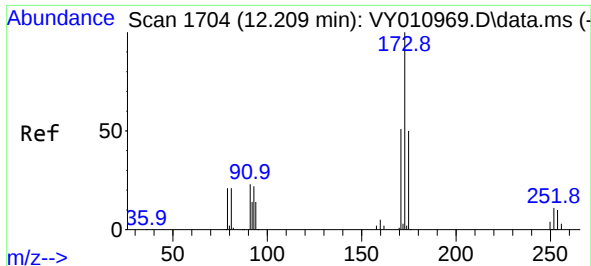
Tgt Ion:106 Resp: 218460  
Ion Ratio Lower Upper  
106 100  
91 212.7 110.3 331.0



#70  
Styrene  
Concen: 53.794 ug/l  
RT: 12.038 min Scan# 1676  
Delta R.T. -0.006 min  
Lab File: VY011144.D  
Acq: 27 Oct 2022 17:12

Tgt Ion:104 Resp: 381013  
Ion Ratio Lower Upper  
104 100  
78 47.2 42.4 63.6  
103 54.6 44.4 66.6

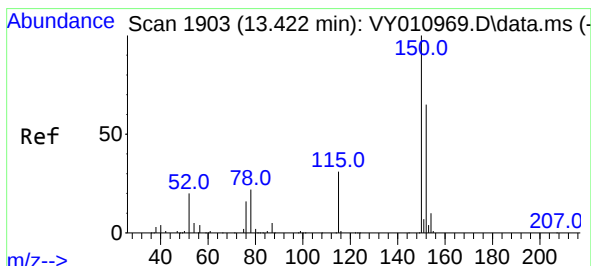
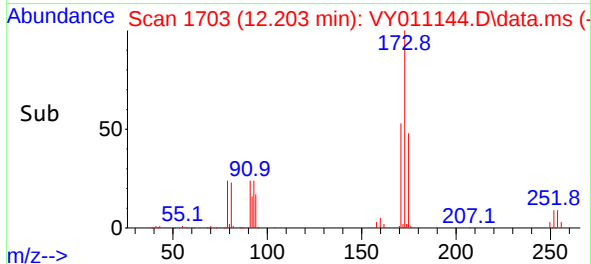
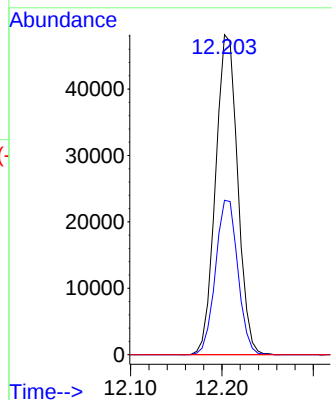
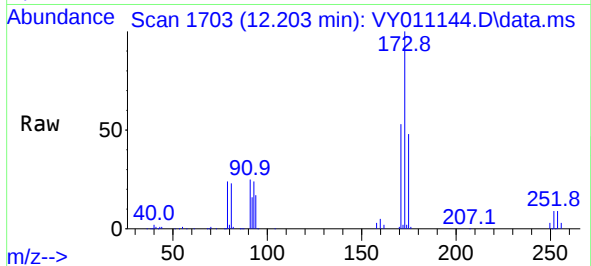




#71  
Bromoform  
Concen: 54.909 ug/l  
RT: 12.203 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY011144.D  
Acq: 27 Oct 2022 17:12

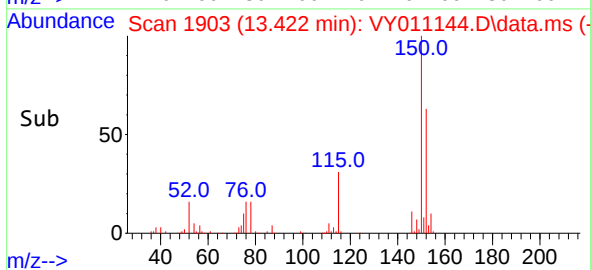
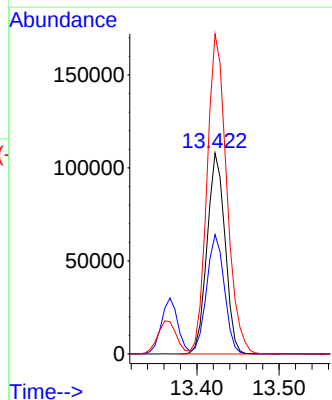
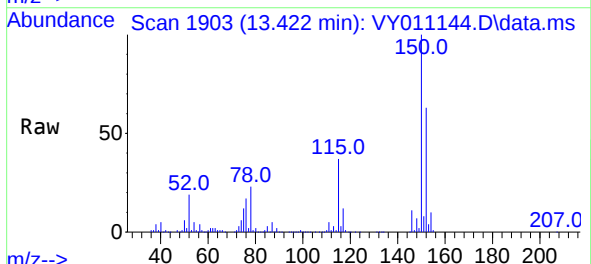
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

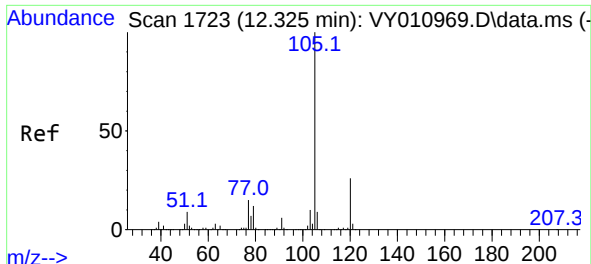
Tgt Ion:173 Resp: 81134  
Ion Ratio Lower Upper  
173 100  
175 48.7 24.6 74.0  
254 0.0 0.0 0.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. 0.000 min  
Lab File: VY011144.D  
Acq: 27 Oct 2022 17:12

Tgt Ion:152 Resp: 163364  
Ion Ratio Lower Upper  
152 100  
115 58.8 28.2 84.7  
150 174.9 0.0 347.6

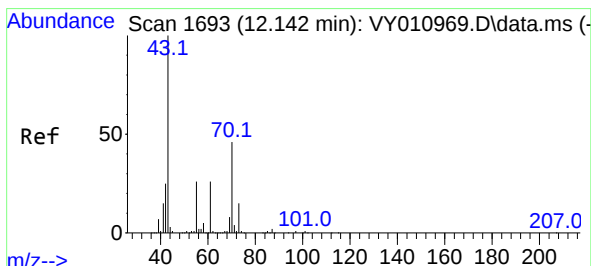
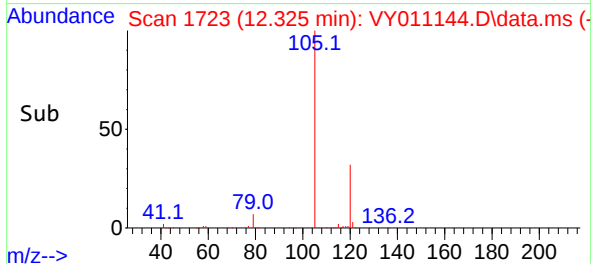
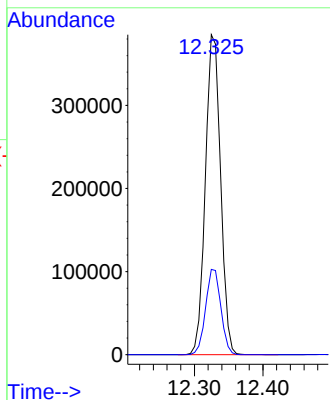
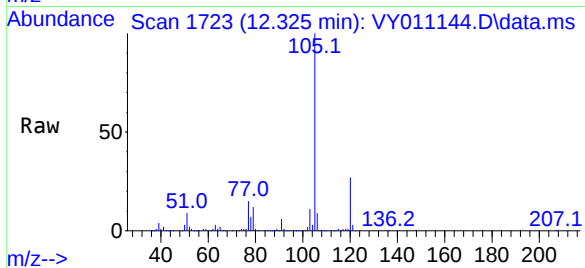




#73  
Isopropylbenzene  
Concen: 50.084 ug/l  
RT: 12.325 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY011144.D  
Acq: 27 Oct 2022 17:12

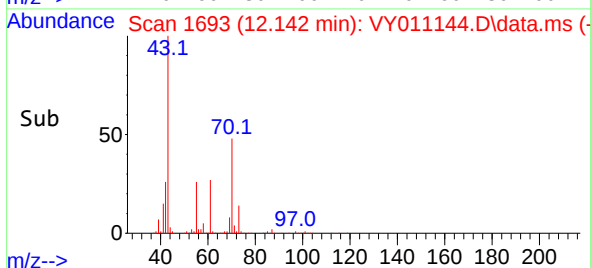
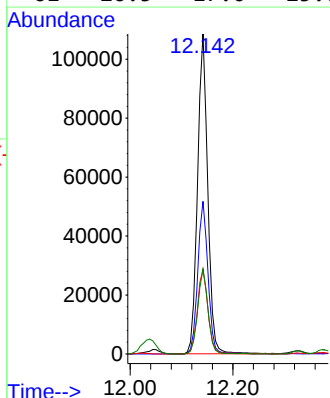
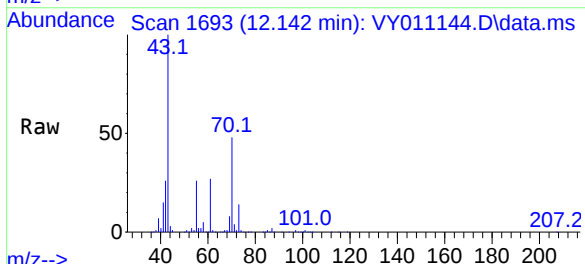
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

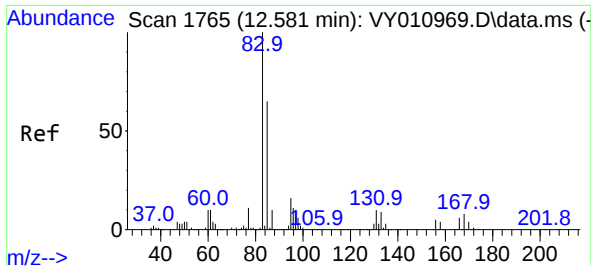
Tgt Ion:105 Resp: 594437  
Ion Ratio Lower Upper  
105 100  
120 26.7 13.4 40.2



#74  
N-ethyl acetate  
Concen: 49.669 ug/l  
RT: 12.142 min Scan# 1693  
Delta R.T. -0.000 min  
Lab File: VY011144.D  
Acq: 27 Oct 2022 17:12

Tgt Ion: 43 Resp: 149569  
Ion Ratio Lower Upper  
43 100  
70 48.1 28.7 43.1#  
55 27.7 17.3 25.9#  
61 26.5 17.0 25.6#

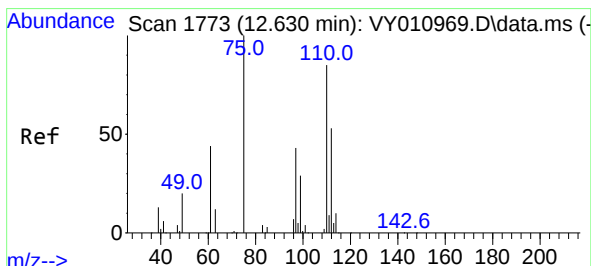
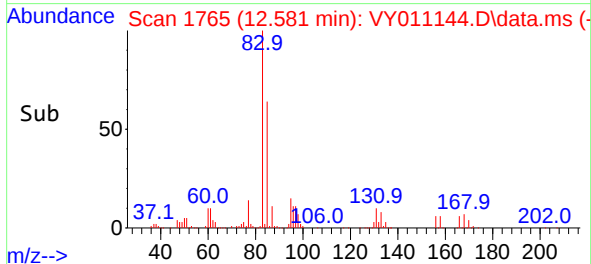
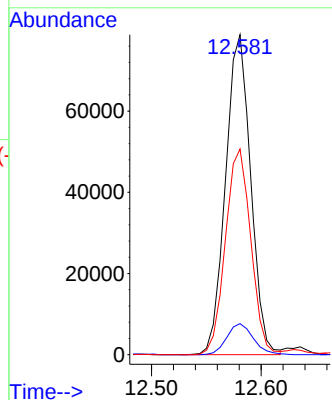
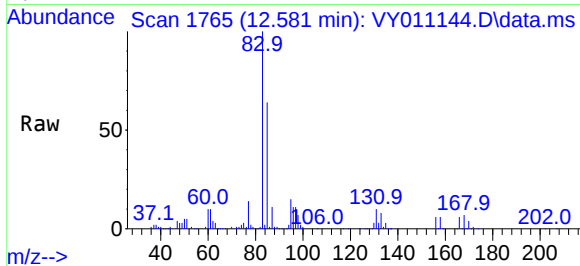




#75  
1,1,2,2-Tetrachloroethane  
Concen: 50.472 ug/l  
RT: 12.581 min Scan# 1765  
Delta R.T. -0.000 min  
Lab File: VY011144.D  
Acq: 27 Oct 2022 17:12

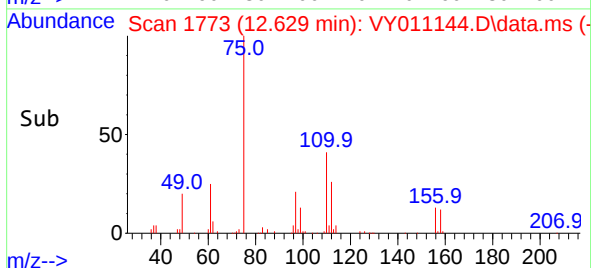
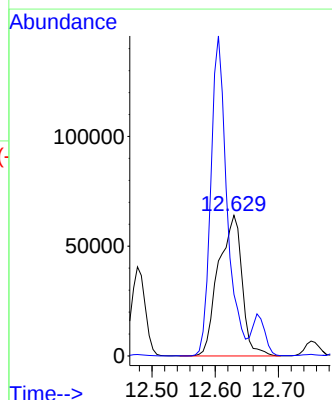
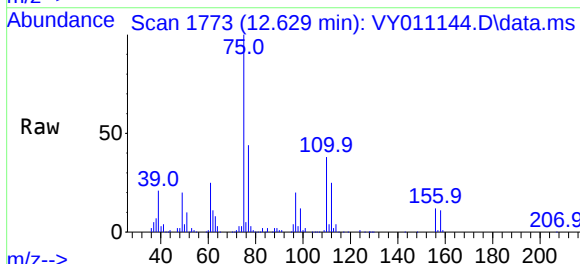
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

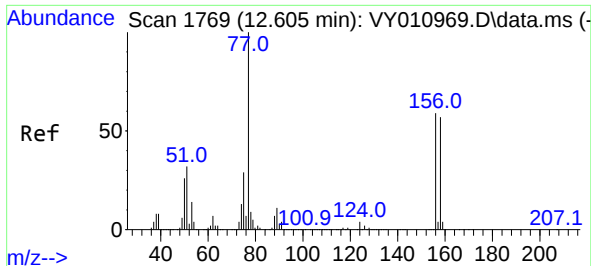
Tgt Ion: 83 Resp: 125720  
Ion Ratio Lower Upper  
83 100  
131 10.2 5.6 16.8  
85 65.0 32.3 96.8



#76  
1,2,3-Trichloropropane  
Concen: 89.644 ug/l  
RT: 12.629 min Scan# 1773  
Delta R.T. -0.001 min  
Lab File: VY011144.D  
Acq: 27 Oct 2022 17:12

Tgt Ion: 75 Resp: 166263  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0

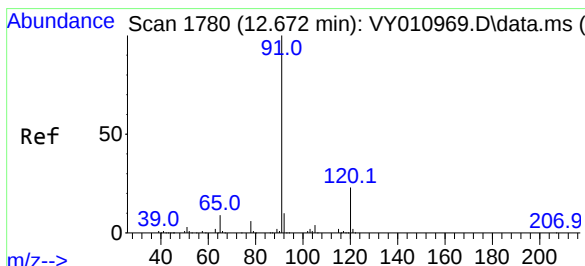
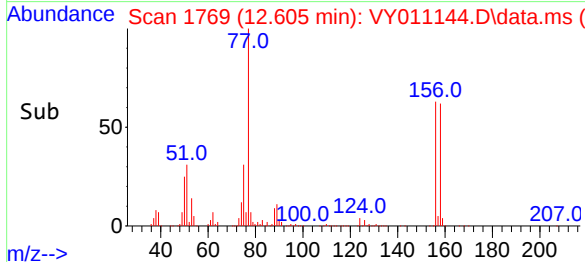
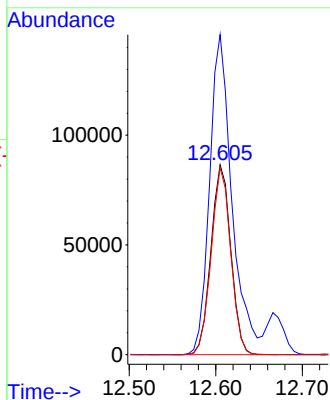
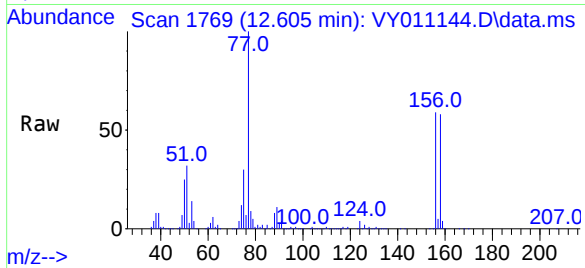




#77  
Bromobenzene  
Concen: 49.704 ug/l  
RT: 12.605 min Scan# 1769  
Delta R.T. 0.000 min  
Lab File: VY011144.D  
Acq: 27 Oct 2022 17:12

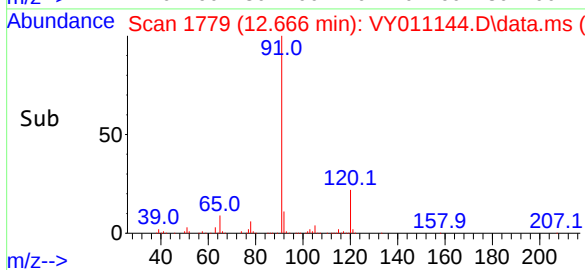
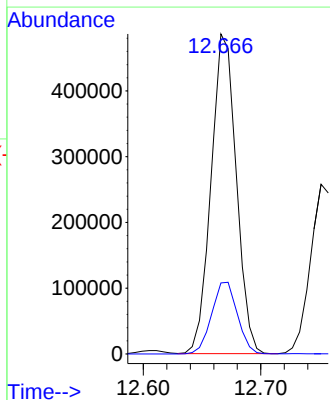
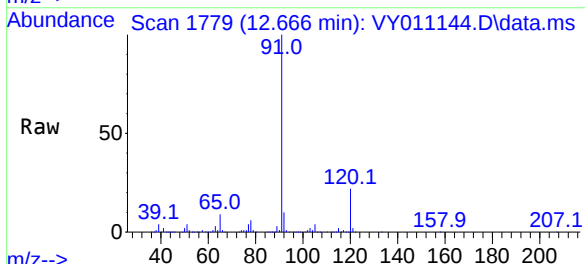
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

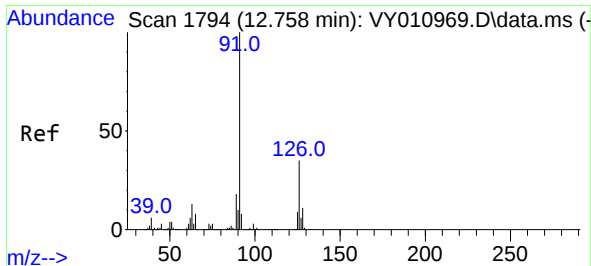
Tgt Ion:156 Resp: 137894  
Ion Ratio Lower Upper  
156 100  
77 188.6 95.5 286.4  
158 96.3 48.0 144.0



#78  
n-propylbenzene  
Concen: 50.177 ug/l  
RT: 12.666 min Scan# 1779  
Delta R.T. -0.006 min  
Lab File: VY011144.D  
Acq: 27 Oct 2022 17:12

Tgt Ion: 91 Resp: 724582  
Ion Ratio Lower Upper  
91 100  
120 23.0 11.3 33.9

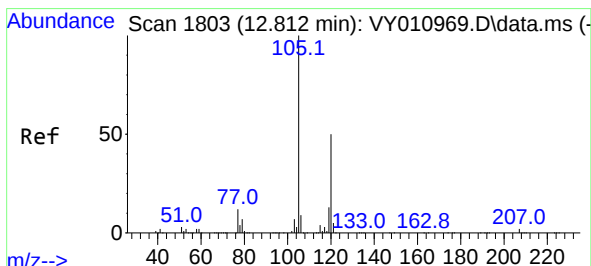
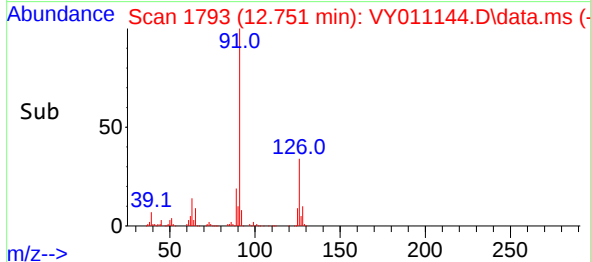
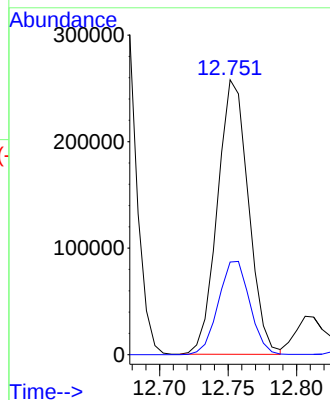
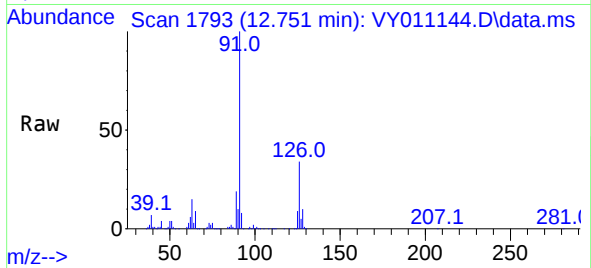




#79  
2-Chlorotoluene  
Concen: 49.899 ug/l  
RT: 12.751 min Scan# 1794  
Delta R.T. -0.007 min  
Lab File: VY011144.D  
Acq: 27 Oct 2022 17:12

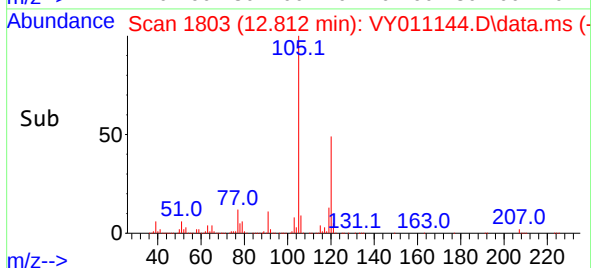
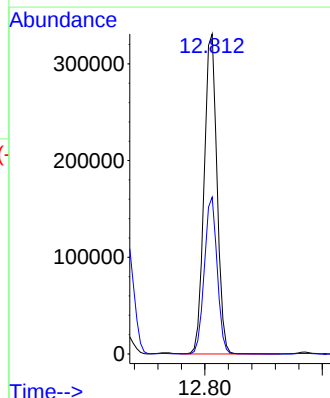
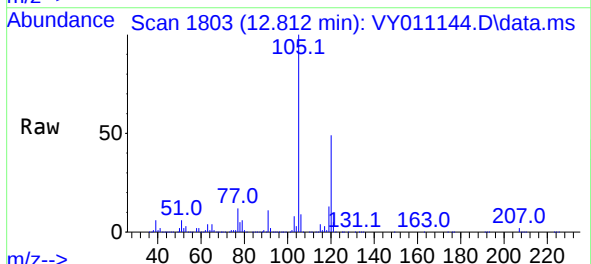
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

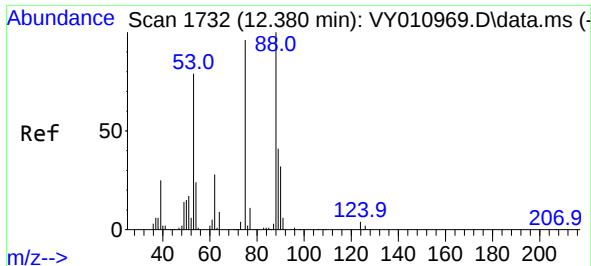
Tgt Ion: 91 Resp: 405798  
Ion Ratio Lower Upper  
91 100  
126 34.6 16.9 50.6



#80  
1,3,5-Trimethylbenzene  
Concen: 50.663 ug/l  
RT: 12.812 min Scan# 1803  
Delta R.T. 0.000 min  
Lab File: VY011144.D  
Acq: 27 Oct 2022 17:12

Tgt Ion: 105 Resp: 501706  
Ion Ratio Lower Upper  
105 100  
120 48.8 24.4 73.4

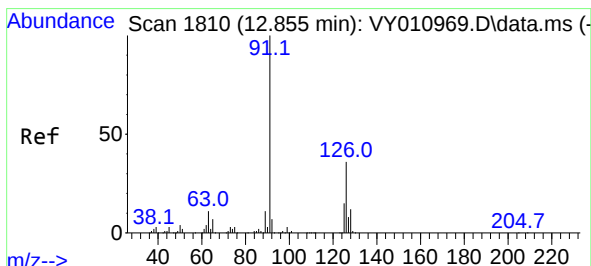
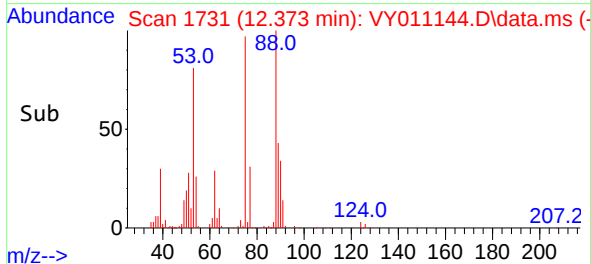
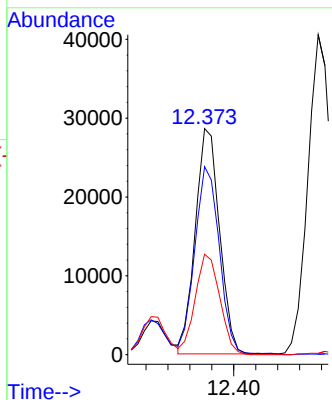
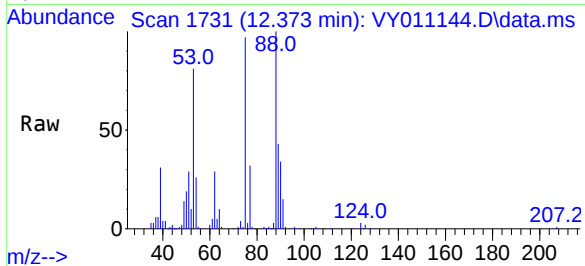




#81  
trans-1,4-Dichloro-2-butene  
Concen: 50.893 ug/l  
RT: 12.373 min Scan# 11  
Delta R.T. -0.007 min  
Lab File: VY011144.D  
Acq: 27 Oct 2022 17:12

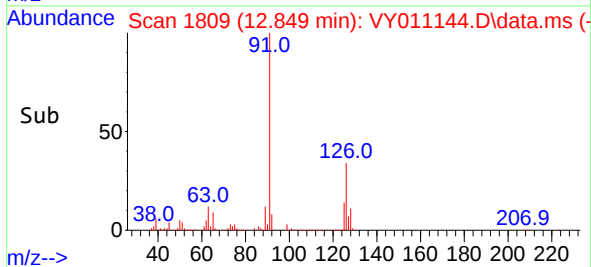
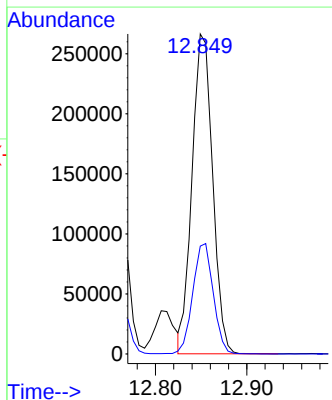
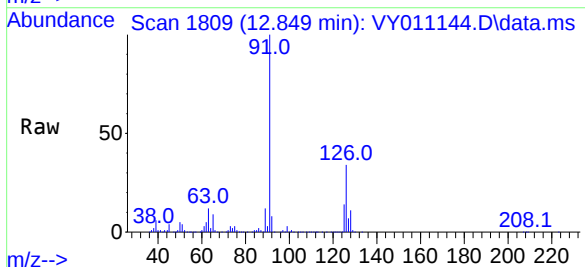
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

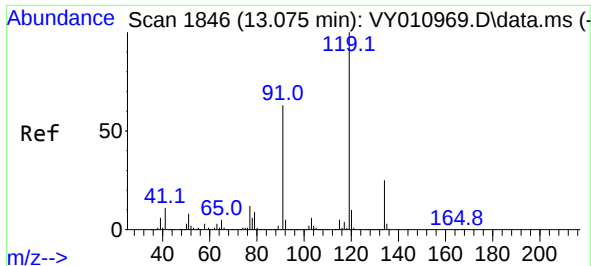
Tgt Ion: 75 Resp: 43888  
Ion Ratio Lower Upper  
75 100  
53 85.0 85.3 127.9#  
89 45.3 37.0 55.4



#82  
4-Chlorotoluene  
Concen: 49.256 ug/l  
RT: 12.849 min Scan# 1809  
Delta R.T. -0.006 min  
Lab File: VY011144.D  
Acq: 27 Oct 2022 17:12

Tgt Ion: 91 Resp: 417067  
Ion Ratio Lower Upper  
91 100  
126 34.5 17.0 51.0

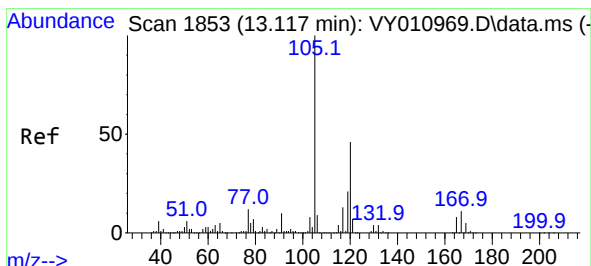
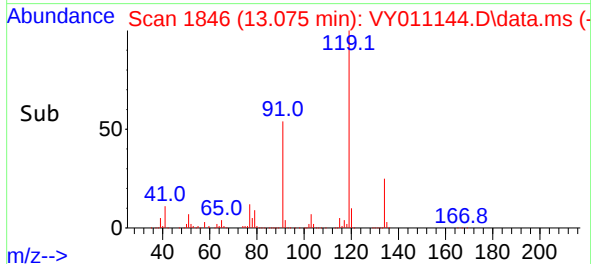
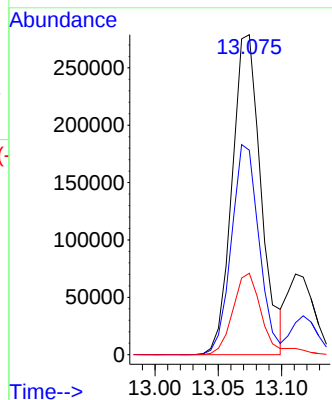
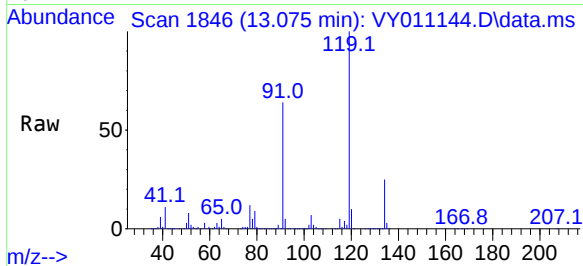




#83  
tert-Butylbenzene  
Concen: 51.902 ug/l  
RT: 13.075 min Scan# 119  
Delta R.T. -0.000 min  
Lab File: VY011144.D  
Acq: 27 Oct 2022 17:12

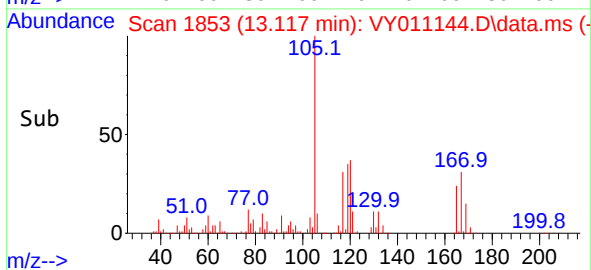
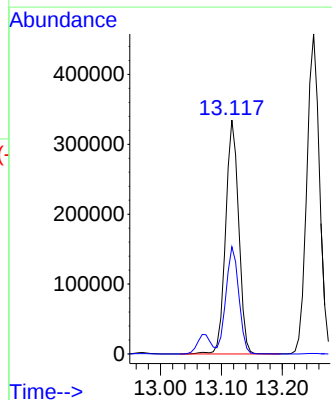
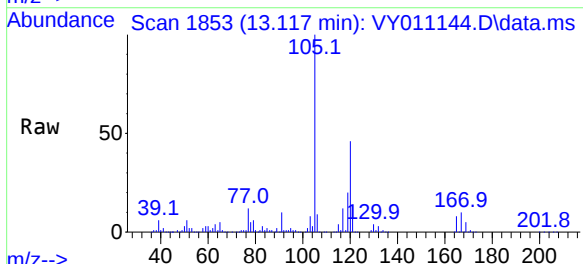
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

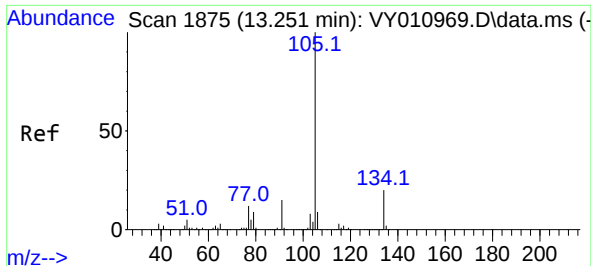
Tgt Ion:119 Resp: 444453  
Ion Ratio Lower Upper  
119 100  
91 62.6 34.8 104.4  
134 25.8 13.3 39.9



#84  
1,2,4-Trimethylbenzene  
Concen: 51.003 ug/l  
RT: 13.117 min Scan# 1853  
Delta R.T. 0.000 min  
Lab File: VY011144.D  
Acq: 27 Oct 2022 17:12

Tgt Ion:105 Resp: 498047  
Ion Ratio Lower Upper  
105 100  
120 45.0 22.3 66.9

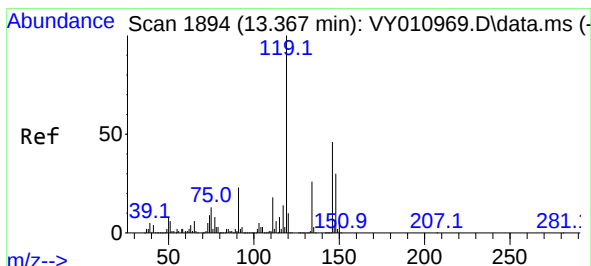
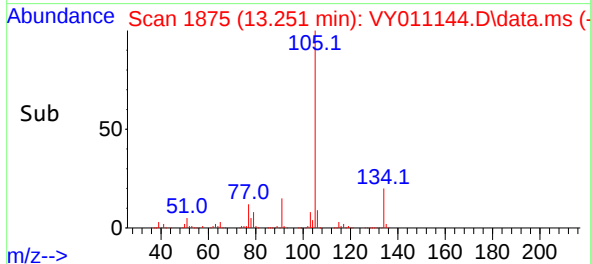
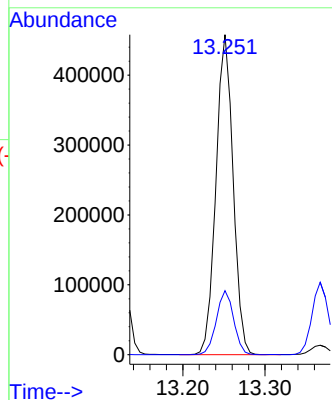
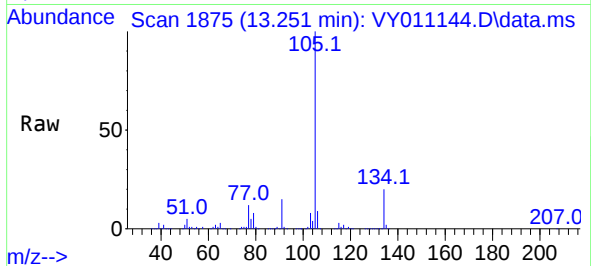




#85  
 sec-Butylbenzene  
 Concen: 51.470 ug/l  
 RT: 13.251 min Scan# 1875  
 Delta R.T. 0.000 min  
 Lab File: VY011144.D  
 Acq: 27 Oct 2022 17:12

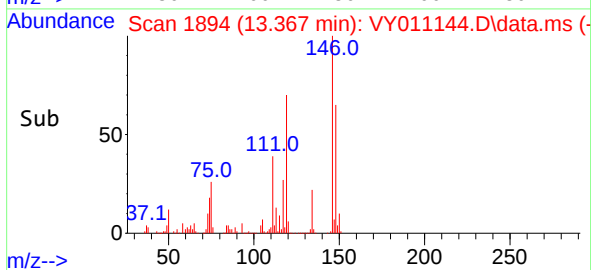
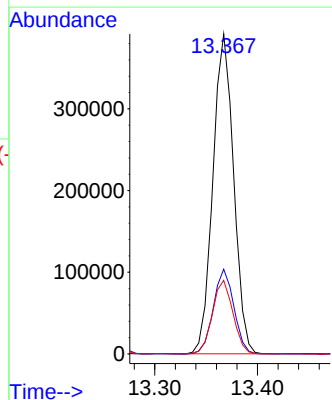
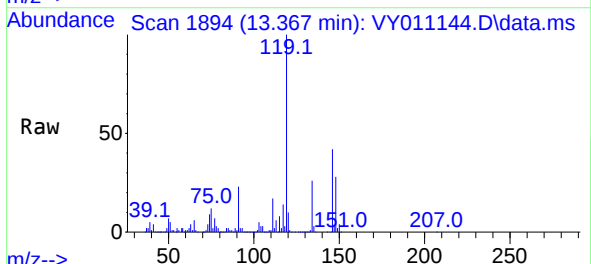
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

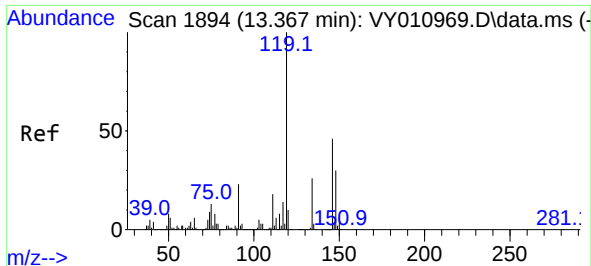
Tgt Ion:105 Resp: 662310  
 Ion Ratio Lower Upper  
 105 100  
 134 20.2 10.2 30.4



#86  
 p-Isopropyltoluene  
 Concen: 51.370 ug/l  
 RT: 13.367 min Scan# 1894  
 Delta R.T. 0.000 min  
 Lab File: VY011144.D  
 Acq: 27 Oct 2022 17:12

Tgt Ion:119 Resp: 548380  
 Ion Ratio Lower Upper  
 119 100  
 134 26.2 13.2 39.5  
 91 22.8 12.4 37.2





#87

1,3-Dichlorobenzene

Concen: 50.026 ug/l

RT: 13.361 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY011144.D

Acq: 27 Oct 2022 17:12

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

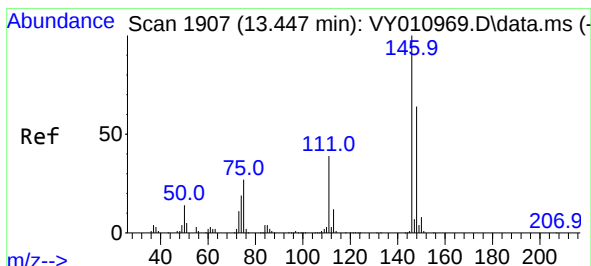
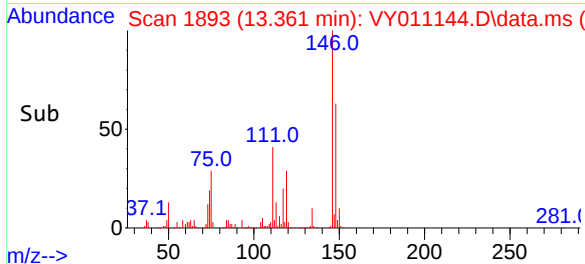
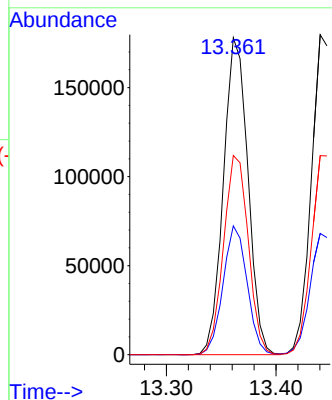
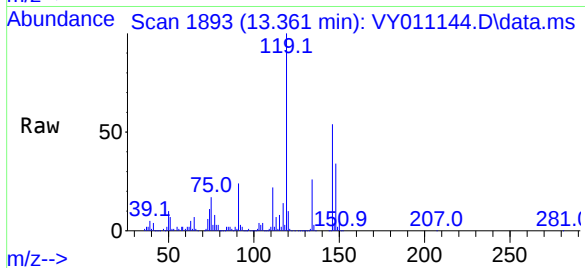
Tgt Ion:146 Resp: 276985

Ion Ratio Lower Upper

146 100

111 40.0 19.5 58.5

148 63.4 31.6 95.0



#88

1,4-Dichlorobenzene

Concen: 49.572 ug/l

RT: 13.440 min Scan# 1906

Delta R.T. -0.007 min

Lab File: VY011144.D

Acq: 27 Oct 2022 17:12

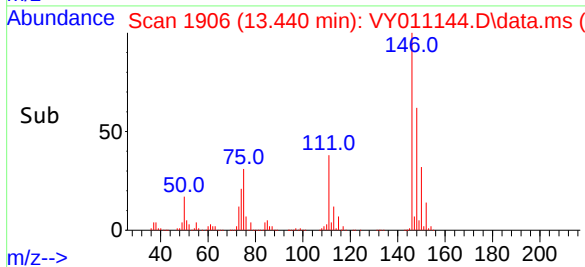
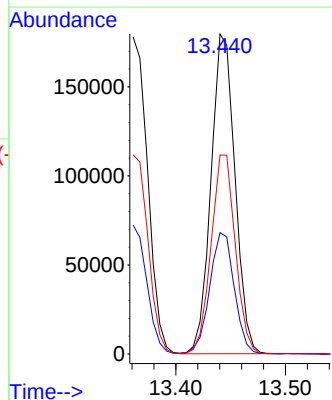
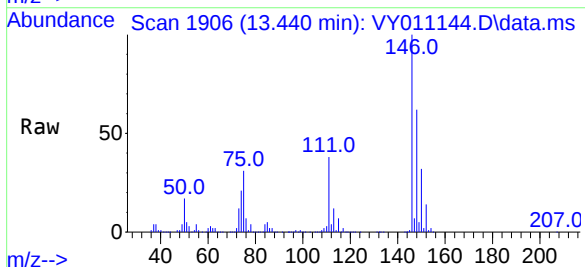
Tgt Ion:146 Resp: 272907

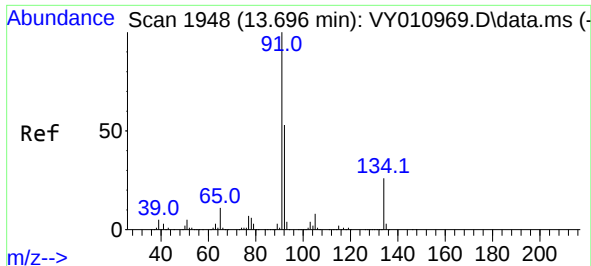
Ion Ratio Lower Upper

146 100

111 38.9 19.3 57.8

148 63.2 32.6 97.8

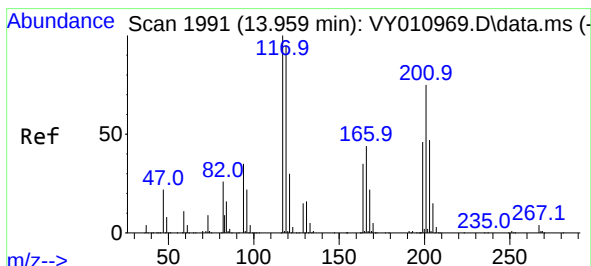
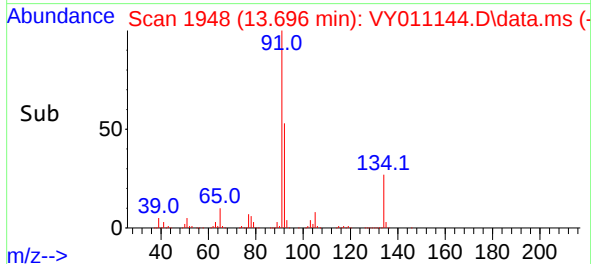
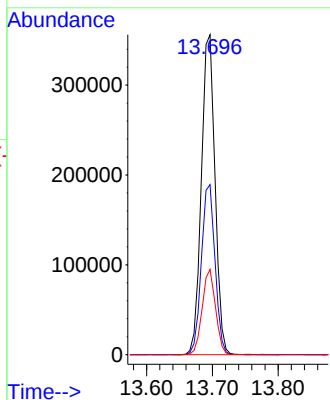
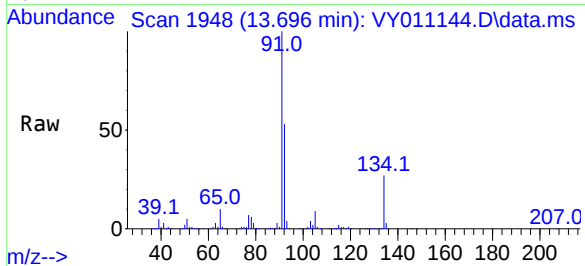




#89  
n-Butylbenzene  
Concen: 51.685 ug/l  
RT: 13.696 min Scan# 1948  
Delta R.T. 0.000 min  
Lab File: VY011144.D  
Acq: 27 Oct 2022 17:12

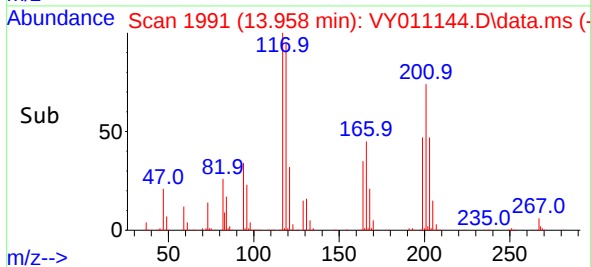
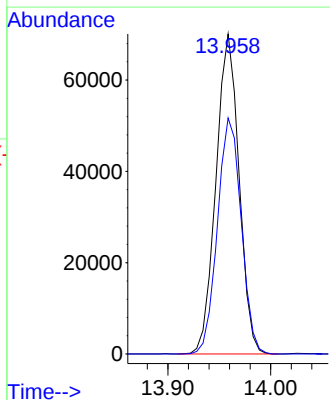
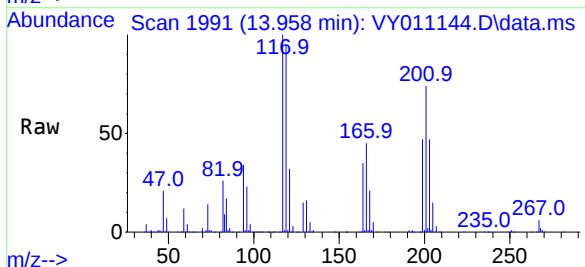
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

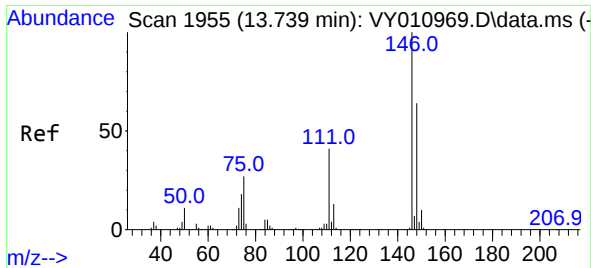
Tgt Ion: 91 Resp: 515576  
Ion Ratio Lower Upper  
91 100  
92 53.0 26.3 78.9  
134 25.9 13.0 38.9



#90  
Hexachloroethane  
Concen: 51.787 ug/l  
RT: 13.958 min Scan# 1991  
Delta R.T. -0.001 min  
Lab File: VY011144.D  
Acq: 27 Oct 2022 17:12

Tgt Ion: 117 Resp: 109102  
Ion Ratio Lower Upper  
117 100  
201 75.9 43.0 128.8



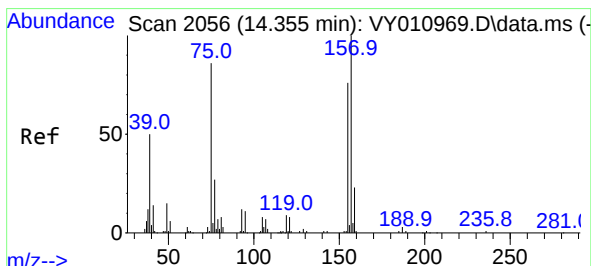
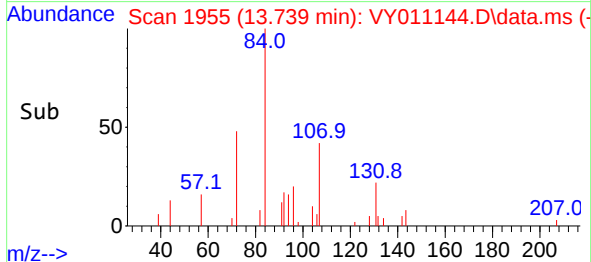
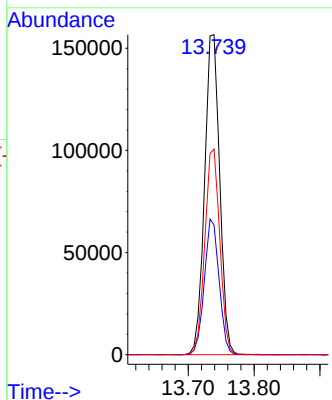
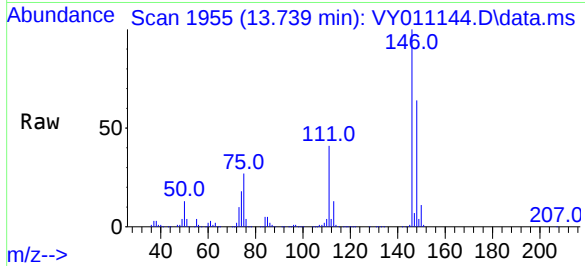


#91  
1,2-Dichlorobenzene  
Concen: 50.620 ug/l  
RT: 13.739 min Scan# 1955  
Delta R.T. 0.000 min  
Lab File: VY011144.D  
Acq: 27 Oct 2022 17:12

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion:146 Resp: 250761

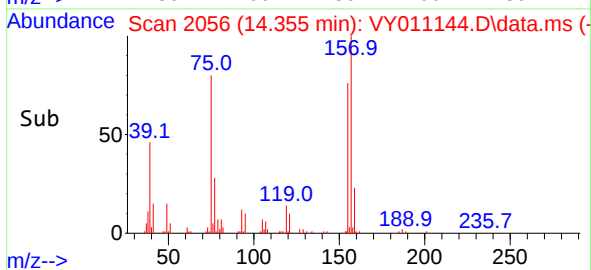
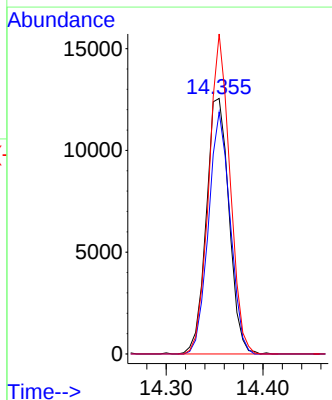
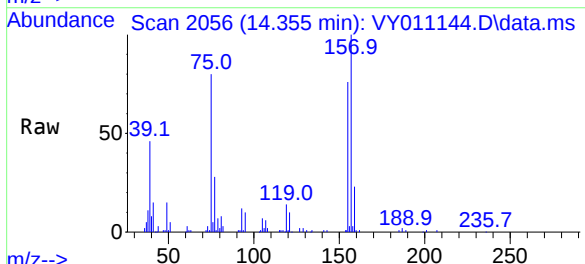
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 111 | 41.3  | 20.3  | 60.9  |
| 148 | 63.8  | 32.3  | 96.9  |

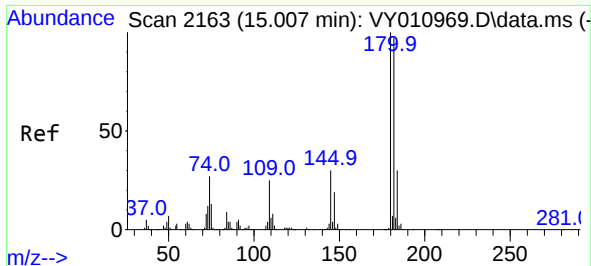


#92  
1,2-Dibromo-3-Chloropropane  
Concen: 49.842 ug/l  
RT: 14.355 min Scan# 2056  
Delta R.T. -0.000 min  
Lab File: VY011144.D  
Acq: 27 Oct 2022 17:12

Tgt Ion: 75 Resp: 20527

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 155 | 89.9  | 38.0  | 113.9 |
| 157 | 116.0 | 47.8  | 143.3 |

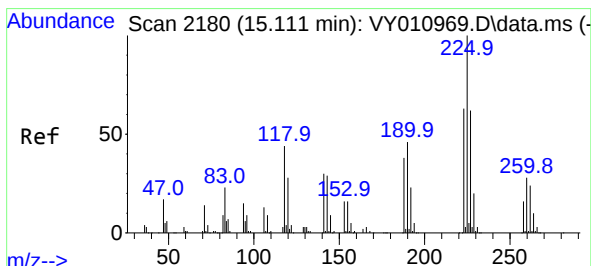
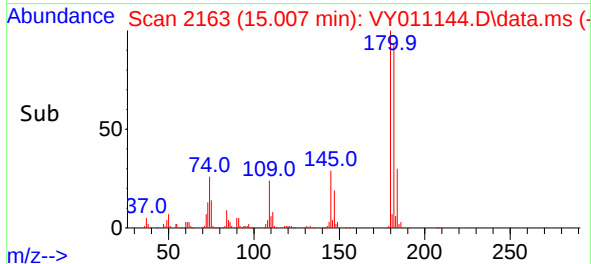
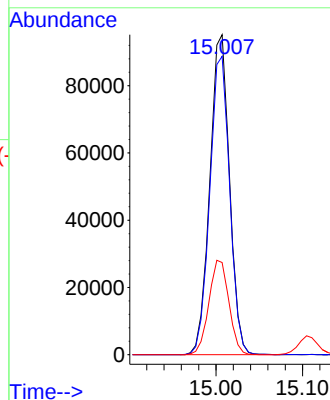
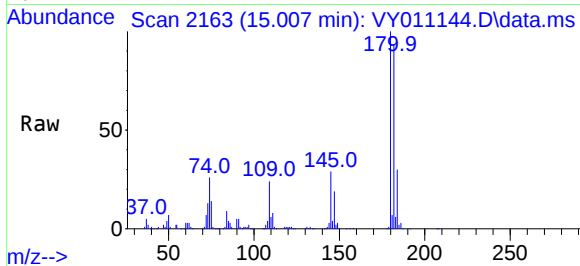




#93  
1,2,4-Trichlorobenzene  
Concen: 50.702 ug/l  
RT: 15.007 min Scan# 2163  
Delta R.T. 0.000 min  
Lab File: VY011144.D  
Acq: 27 Oct 2022 17:12

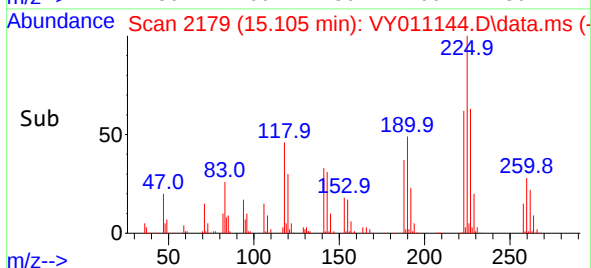
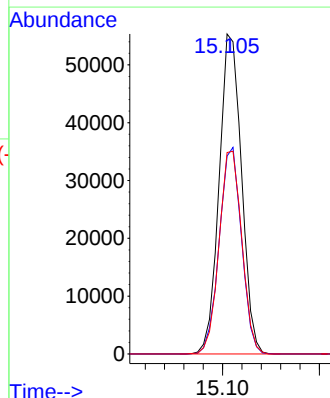
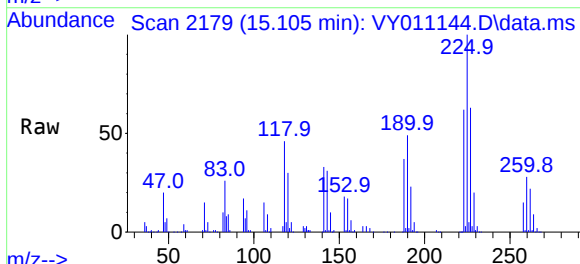
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

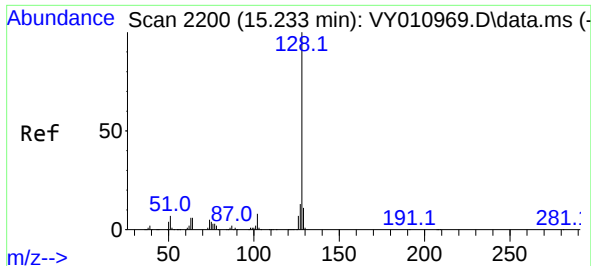
Tgt Ion:180 Resp: 150110  
Ion Ratio Lower Upper  
180 100  
182 94.3 47.3 141.9  
145 30.0 14.6 43.8



#94  
Hexachlorobutadiene  
Concen: 50.922 ug/l  
RT: 15.105 min Scan# 2179  
Delta R.T. -0.006 min  
Lab File: VY011144.D  
Acq: 27 Oct 2022 17:12

Tgt Ion:225 Resp: 88741  
Ion Ratio Lower Upper  
225 100  
223 64.1 30.8 92.3  
227 64.4 31.6 94.7

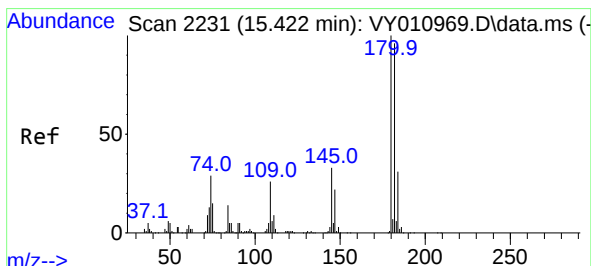
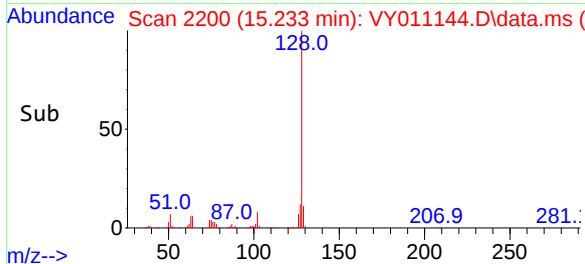
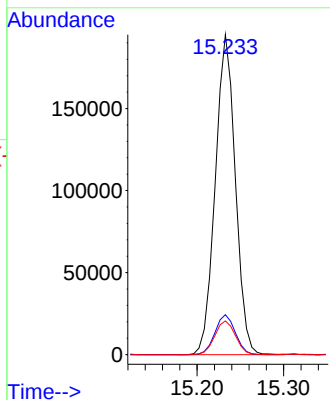
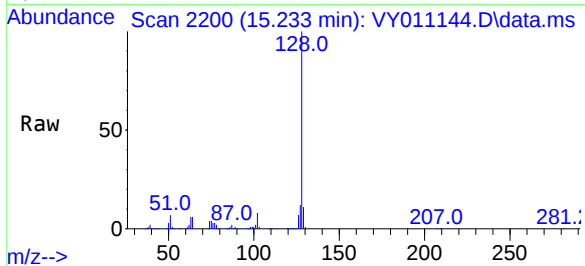




#95  
Naphthalene  
Concen: 52.092 ug/l  
RT: 15.233 min Scan# 211  
Delta R.T. -0.000 min  
Lab File: VY011144.D  
Acq: 27 Oct 2022 17:12

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion:128 Resp: 314084  
Ion Ratio Lower Upper  
128 100  
127 12.7 11.0 16.4  
129 10.9 8.4 12.6



#96  
1,2,3-Trichlorobenzene  
Concen: 51.056 ug/l  
RT: 15.422 min Scan# 2231  
Delta R.T. -0.000 min  
Lab File: VY011144.D  
Acq: 27 Oct 2022 17:12

Tgt Ion:180 Resp: 131871  
Ion Ratio Lower Upper  
180 100  
182 94.9 47.3 141.9  
145 32.4 15.3 45.9

