

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY020223\  
 Data File : VY012457.D  
 Acq On : 02 Feb 2023 15:26  
 Operator : KP/MD  
 Sample : MDL07  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 MDL07

Quant Time: Feb 03 03:12:31 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y011623S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 17 04:31:47 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 165178   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 254449   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.490 | 117  | 228374   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 113718   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.143  | 65    | 62455    | 45.242   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 90.480% |
| 35) Dibromofluoromethane    | 7.716  | 113   | 59901    | 44.460   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 88.920% |
| 50) Toluene-d8              | 10.179 | 98    | 205053   | 43.350   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 86.700% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 77501    | 40.805   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 81.620% |

|                              |       |     |       |           |        |     |
|------------------------------|-------|-----|-------|-----------|--------|-----|
| Target Compounds             |       |     |       | Qvalue    |        |     |
| 2) Dichlorodifluoromethane   | 1.906 | 85  | 4090  | 2.833     | ug/l   | 93  |
| 3) Chloromethane             | 2.113 | 50  | 3846  | 2.886     | ug/l   | 92  |
| 4) Vinyl Chloride            | 2.253 | 62  | 4648  | 2.988     | ug/l   | 99  |
| 5) Bromomethane              | 2.656 | 94  | 4195  | 3.488     | ug/l   | 94  |
| 6) Chloroethane              | 2.790 | 64  | 3097  | 3.053     | ug/l   | 92  |
| 7) Trichlorofluoromethane    | 3.125 | 101 | 9302  | 3.064     | ug/l   | 95  |
| 8) Diethyl Ether             | 3.528 | 74  | 2744  | 3.038     | ug/l   | 85  |
| 9) 1,1,2-Trichlorotrifluo... | 3.906 | 101 | 4649  | 3.147     | ug/l   | 96  |
| 10) Methyl Iodide            | 4.094 | 142 | 5625  | 2.505     | ug/l   | 98  |
| 11) Tert butyl alcohol       | 4.936 | 59  | 9889  | 51.067    | ug/l # | 77  |
| 12) 1,1-Dichloroethene       | 3.875 | 96  | 4401  | 2.901     | ug/l   | 92  |
| 13) Acrolein                 | 3.729 | 56  | 1127  | Below Cal |        | 93  |
| 14) Allyl chloride           | 4.485 | 41  | 5406  | 2.882     | ug/l # | 86  |
| 15) Acrylonitrile            | 5.161 | 53  | 5622  | 14.249    | ug/l   | 98  |
| 16) Acetone                  | 3.948 | 43  | 7301  | 15.874    | ug/l   | 93  |
| 17) Carbon Disulfide         | 4.198 | 76  | 12340 | 2.630     | ug/l   | 97  |
| 18) Methyl Acetate           | 4.479 | 43  | 3896  | 3.785     | ug/l   | 91  |
| 19) Methyl tert-butyl Ether  | 5.216 | 73  | 11160 | 2.639     | ug/l   | 97  |
| 20) Methylene Chloride       | 4.716 | 84  | 19202 | 2.413     | ug/l   | 86  |
| 21) trans-1,2-Dichloroethene | 5.222 | 96  | 5010  | 2.959     | ug/l # | 77  |
| 22) Diisopropyl ether        | 6.125 | 45  | 10794 | 2.886     | ug/l # | 96  |
| 23) Vinyl Acetate            | 6.058 | 43  | 28470 | 12.217    | ug/l   | 95  |
| 24) 1,1-Dichloroethane       | 6.015 | 63  | 8096  | 3.121     | ug/l   | 95  |
| 25) 2-Butanone               | 6.984 | 43  | 7925  | 15.607    | ug/l # | 81  |
| 26) 2,2-Dichloropropane      | 6.978 | 77  | 10507 | 3.731     | ug/l   | 88  |
| 27) cis-1,2-Dichloroethene   | 6.990 | 96  | 5561  | 2.991     | ug/l   | 93  |
| 28) Bromochloromethane       | 7.344 | 49  | 2118  | 3.739     | ug/l # | 77  |
| 29) Tetrahydrofuran          | 7.344 | 42  | 3780  | 13.552    | ug/l # | 86  |
| 30) Chloroform               | 7.508 | 83  | 9305  | 3.039     | ug/l   | 94  |
| 31) Cyclohexane              | 7.789 | 56  | 9366  | 3.889     | ug/l # | 57  |
| 32) 1,1,1-Trichloroethane    | 7.704 | 97  | 8727  | 2.879     | ug/l   | 97  |
| 36) 1,1-Dichloropropene      | 7.917 | 75  | 6667  | 2.912     | ug/l   | 100 |
| 37) Ethyl Acetate            | 7.076 | 43  | 2971  | 2.943     | ug/l # | 92  |
| 38) Carbon Tetrachloride     | 7.905 | 117 | 8791  | 2.973     | ug/l   | 92  |
| 39) Methylcyclohexane        | 9.185 | 83  | 8455  | 3.022     | ug/l # | 85  |
| 40) Benzene                  | 8.161 | 78  | 19998 | 3.026     | ug/l   | 96  |

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 Sample : MDL07  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 MDL07

Quant Time: Feb 03 03:12:31 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y011623S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 17 04:31:47 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 41) Methacrylonitrile         | 7.344  | 41   | 3792     | 6.391  | ug/l # | 100      |
| 42) 1,2-Dichloroethane        | 8.234  | 62   | 5987     | 2.846  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.277  | 43   | 5117     | 2.725  | ug/l # | 89       |
| 44) Trichloroethene           | 8.941  | 130  | 5931     | 3.003  | ug/l   | 100      |
| 45) 1,2-Dichloropropane       | 9.222  | 63   | 4194     | 3.041  | ug/l   | 98       |
| 46) Dibromomethane            | 9.307  | 93   | 2665     | 2.887  | ug/l   | 97       |
| 47) Bromodichloromethane      | 9.496  | 83   | 6777     | 2.916  | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.289  | 41   | 2544     | 2.940  | ug/l   | 98       |
| 49) 1,4-Dioxane               | 9.289  | 88   | 600      | 47.696 | ug/l   | 94       |
| 51) 4-Methyl-2-Pentanone      | 10.069 | 43   | 12819    | 12.801 | ug/l   | 97       |
| 52) Toluene                   | 10.246 | 92   | 12937    | 2.940  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.465 | 75   | 6554     | 2.696  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 9.929  | 75   | 7202     | 2.751  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 10.648 | 97   | 3966     | 3.024  | ug/l   | 88       |
| 56) Ethyl methacrylate        | 10.514 | 69   | 4701     | 2.732  | ug/l # | 87       |
| 57) 1,3-Dichloropropane       | 10.794 | 76   | 6258     | 2.921  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 9.782  | 63   | 8341     | 14.649 | ug/l   | 90       |
| 59) 2-Hexanone                | 10.831 | 43   | 8876     | 11.642 | ug/l   | 99       |
| 60) Dibromochloromethane      | 10.990 | 129  | 5067     | 2.913  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.087 | 107  | 3286     | 2.596  | ug/l   | 95       |
| 64) Tetrachloroethene         | 10.721 | 164  | 6358     | 3.051  | ug/l   | 91       |
| 65) Chlorobenzene             | 11.514 | 112  | 13778    | 2.949  | ug/l   | 93       |
| 66) 1,1,1,2-Tetrachloroethane | 11.593 | 131  | 5338     | 3.027  | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.593 | 91   | 24382    | 2.920  | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.703 | 106  | 18638    | 5.645  | ug/l   | 97       |
| 69) o-Xylene                  | 12.032 | 106  | 8909     | 2.825  | ug/l   | 93       |
| 70) Styrene                   | 12.044 | 104  | 14954    | 2.838  | ug/l   | 97       |
| 71) Bromoform                 | 12.209 | 173  | 3113     | 2.763  | ug/l # | 96       |
| 73) Isopropylbenzene          | 12.331 | 105  | 23428    | 2.857  | ug/l   | 98       |
| 74) N-amyl acetate            | 12.148 | 43   | 4082     | 2.539  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane | 12.581 | 83   | 3945     | 3.054  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.636 | 75   | 6099     | 5.833  | ug/l # | 100      |
| 77) Bromobenzene              | 12.611 | 156  | 6283     | 3.184  | ug/l   | 92       |
| 78) n-propylbenzene           | 12.672 | 91   | 29515    | 3.076  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.758 | 91   | 15940    | 2.938  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.812 | 105  | 20485    | 2.874  | ug/l   | 96       |
| 81) trans-1,4-Dichloro-2-b... | 12.380 | 75   | 1450     | 2.857  | ug/l   | 95       |
| 82) 4-Chlorotoluene           | 12.855 | 91   | 16392    | 2.876  | ug/l   | 96       |
| 83) tert-Butylbenzene         | 13.075 | 119  | 18386    | 2.959  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 13.123 | 105  | 19327    | 2.749  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.251 | 105  | 25637    | 2.898  | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 13.373 | 119  | 21885    | 2.832  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 13.367 | 146  | 12254    | 3.123  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.446 | 146  | 12289    | 3.140  | ug/l   | 93       |
| 89) n-Butylbenzene            | 13.696 | 91   | 19347    | 2.889  | ug/l   | 97       |
| 90) Hexachloroethane          | 13.959 | 117  | 4372     | 3.134  | ug/l   | 95       |
| 91) 1,2-Dichlorobenzene       | 13.739 | 146  | 10214    | 2.917  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.355 | 75   | 800      | 2.997  | ug/l   | 95       |
| 93) 1,2,4-Trichlorobenzene    | 15.007 | 180  | 5877     | 2.619  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 15.111 | 225  | 4101     | 3.036  | ug/l   | 94       |
| 95) Naphthalene               | 15.239 | 128  | 10082    | 2.277  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.428 | 180  | 4785     | 2.478  | ug/l   | 97       |

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Operator : KP/MD  
Sample : MDL07  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
MDL07

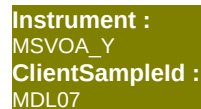
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y011623S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jan 17 04:31:47 2023  
Response via : Initial Calibration

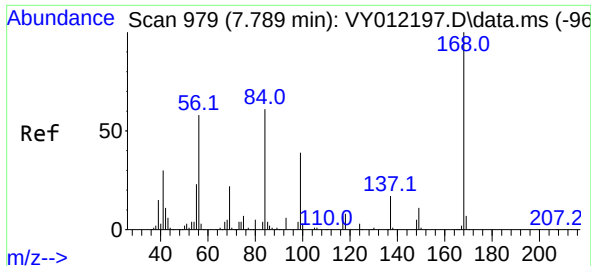
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

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MSVOA\_Y  
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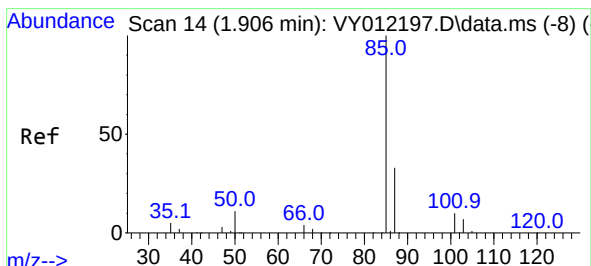
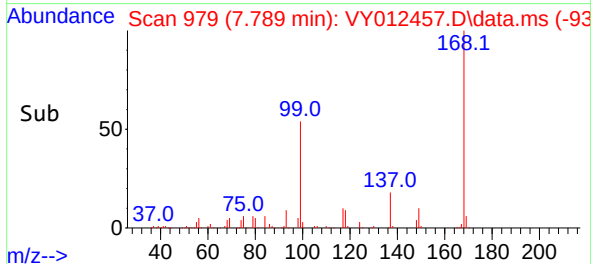
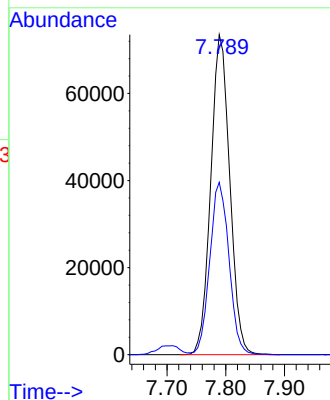
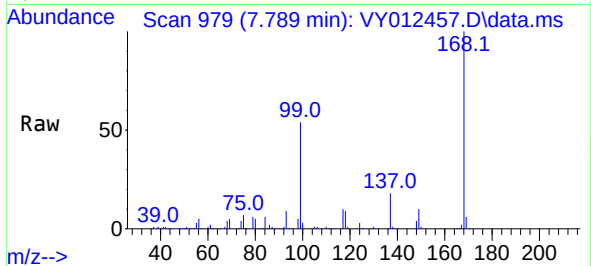




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY012457.D  
Acq: 02 Feb 2023 15:26

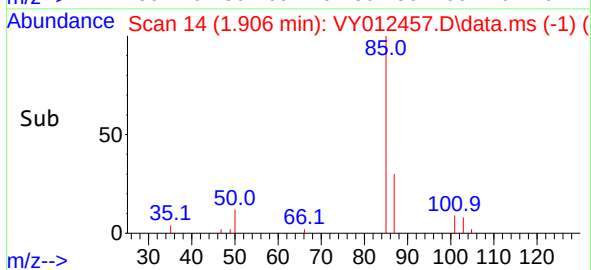
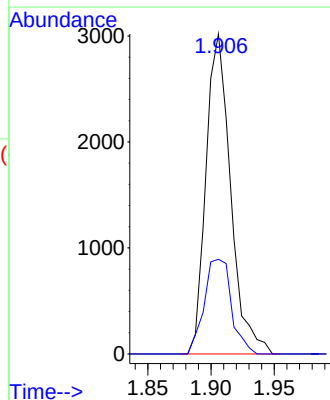
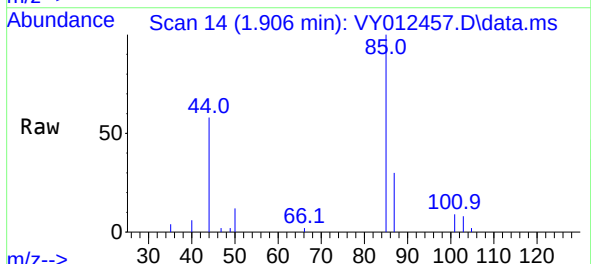
Instrument :  
MSVOA\_Y  
ClientSampleId :  
MDL07

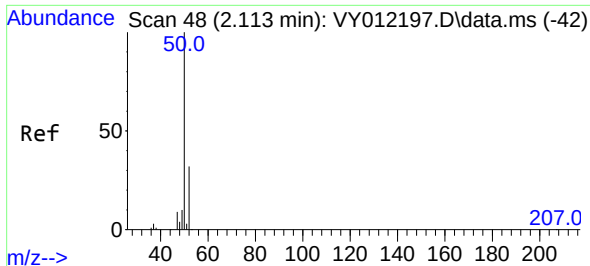
Tgt Ion:168 Resp: 165178  
Ion Ratio Lower Upper  
168 100  
99 53.9 44.0 66.0



#2  
Dichlorodifluoromethane  
Concen: 2.833 ug/l  
RT: 1.906 min Scan# 14  
Delta R.T. -0.000 min  
Lab File: VY012457.D  
Acq: 02 Feb 2023 15:26

Tgt Ion: 85 Resp: 4090  
Ion Ratio Lower Upper  
85 100  
87 29.6 16.8 50.4

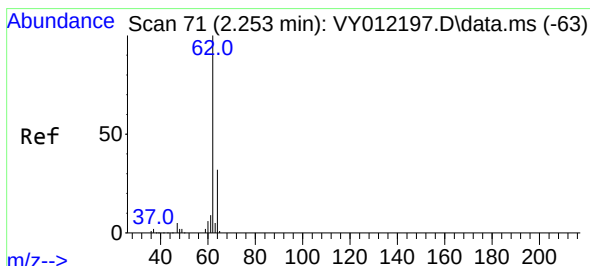
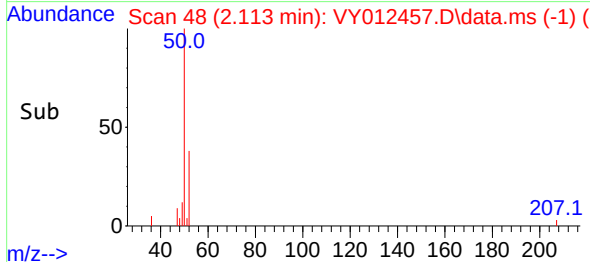
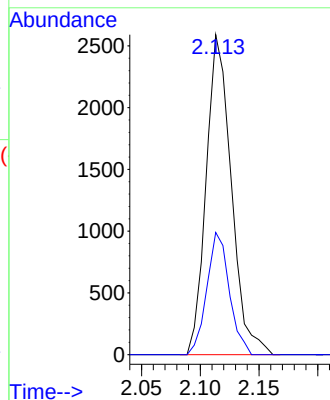
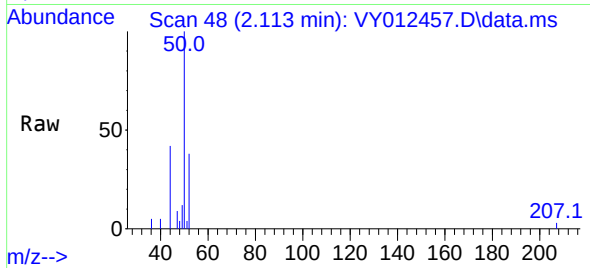




#3  
Chloromethane  
Concen: 2.886 ug/l  
RT: 2.113 min Scan# 48  
Delta R.T. 0.000 min  
Lab File: VY012457.D  
Acq: 02 Feb 2023 15:26

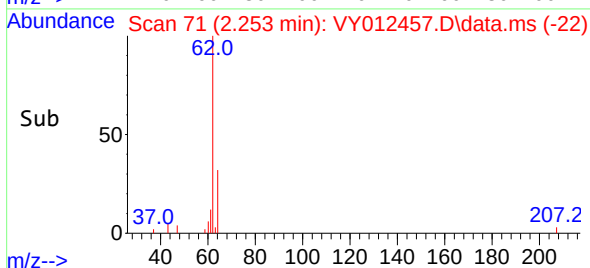
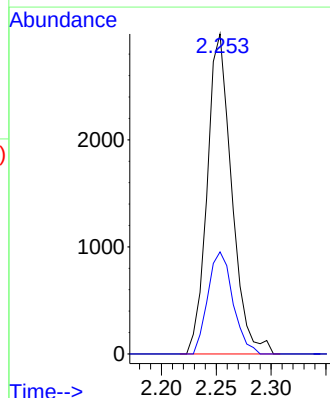
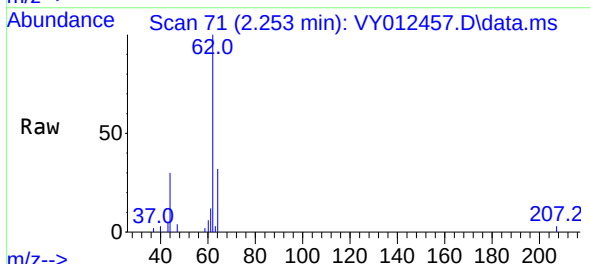
Instrument :  
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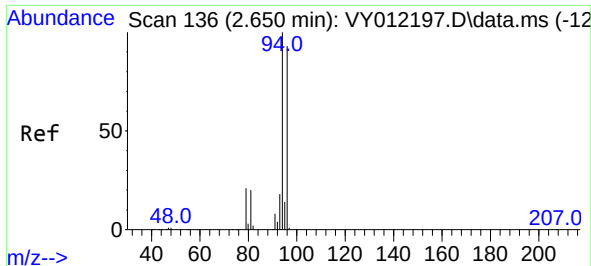
Tgt Ion: 50 Resp: 3846  
Ion Ratio Lower Upper  
50 100  
52 38.2 26.8 40.2



#4  
Vinyl Chloride  
Concen: 2.988 ug/l  
RT: 2.253 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: VY012457.D  
Acq: 02 Feb 2023 15:26

Tgt Ion: 62 Resp: 4648  
Ion Ratio Lower Upper  
62 100  
64 31.9 25.0 37.6

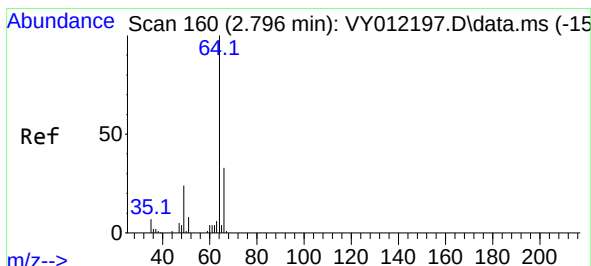
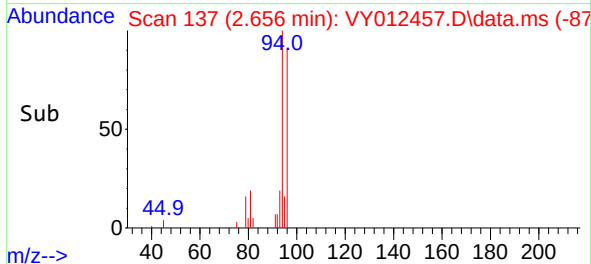
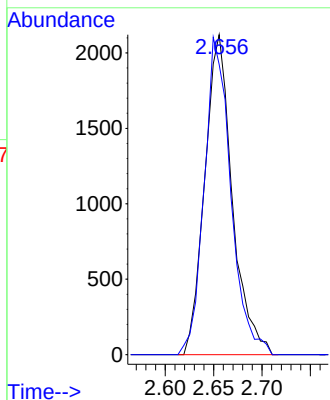
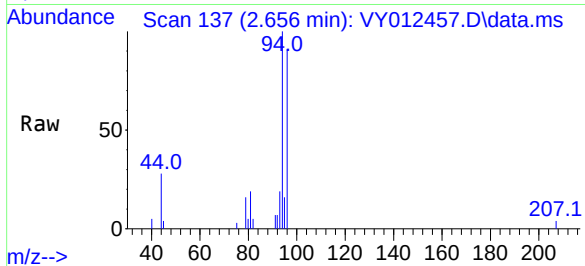




#5  
Bromomethane  
Concen: 3.488 ug/l  
RT: 2.656 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY012457.D  
Acq: 02 Feb 2023 15:26

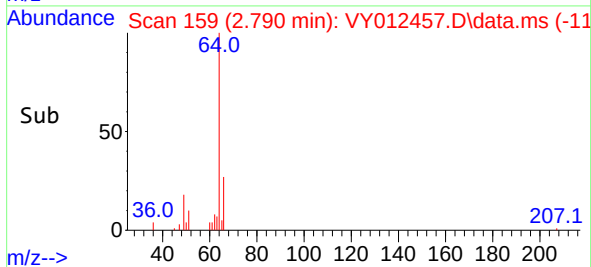
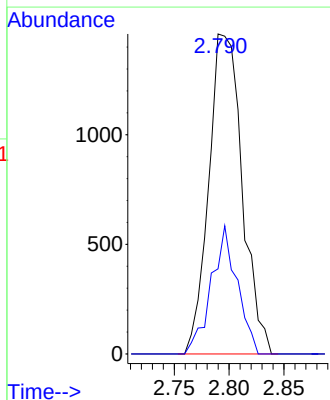
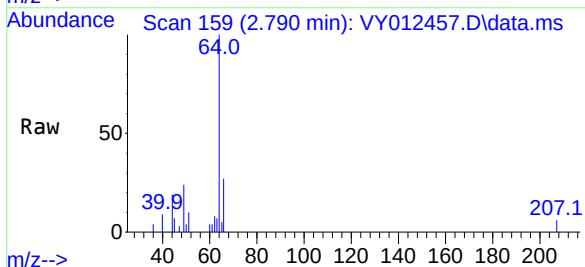
Instrument :  
MSVOA\_Y  
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MDL07

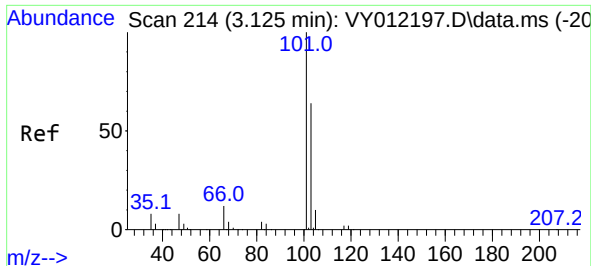
Tgt Ion: 94 Resp: 4195  
Ion Ratio Lower Upper  
94 100  
96 90.7 77.4 116.2



#6  
Chloroethane  
Concen: 3.053 ug/l  
RT: 2.790 min Scan# 159  
Delta R.T. -0.006 min  
Lab File: VY012457.D  
Acq: 02 Feb 2023 15:26

Tgt Ion: 64 Resp: 3097  
Ion Ratio Lower Upper  
64 100  
66 26.6 25.0 37.4

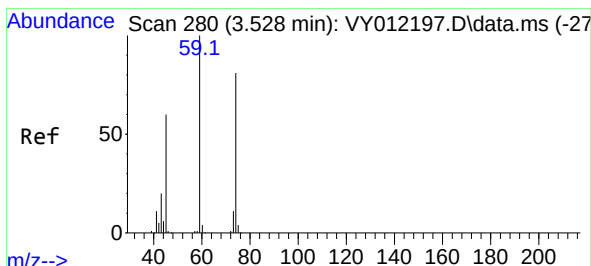
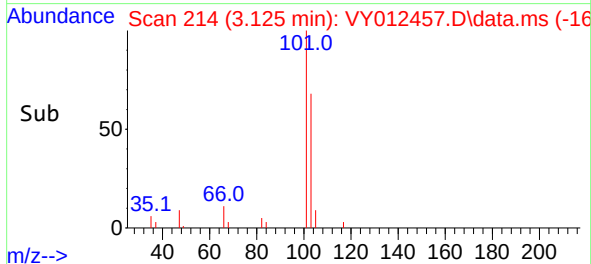
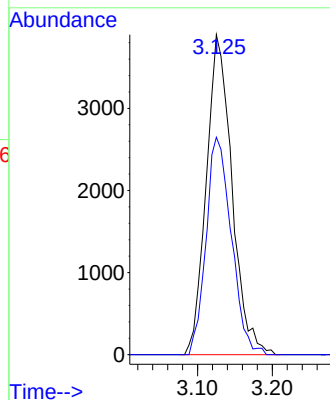
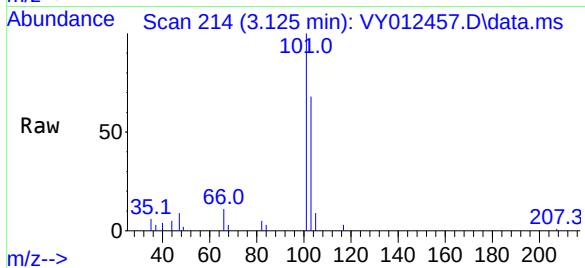




#7  
 Trichlorofluoromethane  
 Concen: 3.064 ug/l  
 RT: 3.125 min Scan# 214  
 Delta R.T. 0.000 min  
 Lab File: VY012457.D  
 Acq: 02 Feb 2023 15:26

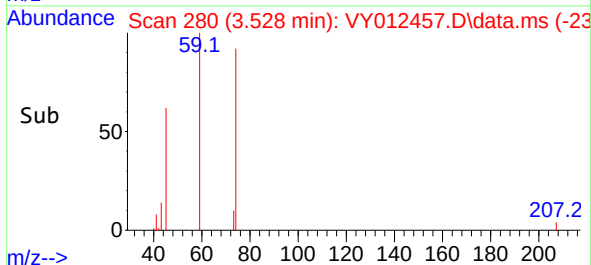
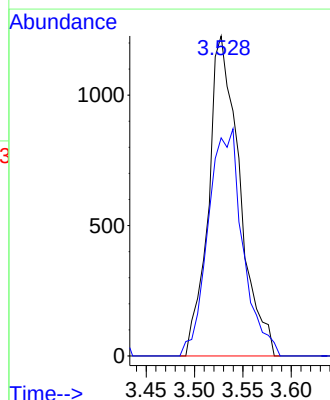
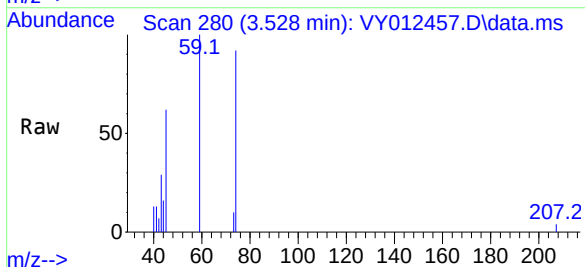
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 MDL07

Tgt Ion:101 Resp: 9302  
 Ion Ratio Lower Upper  
 101 100  
 103 68.0 51.0 76.6

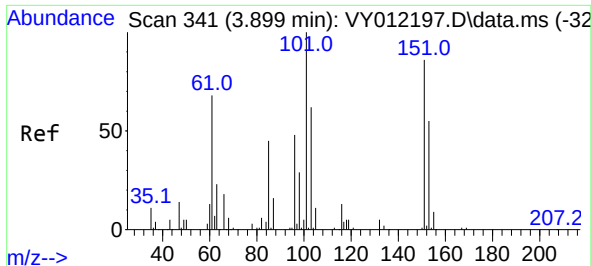


#8  
 Diethyl Ether  
 Concen: 3.038 ug/l  
 RT: 3.528 min Scan# 280  
 Delta R.T. -0.000 min  
 Lab File: VY012457.D  
 Acq: 02 Feb 2023 15:26

Tgt Ion: 74 Resp: 2744  
 Ion Ratio Lower Upper  
 74 100  
 45 78.7 46.8 140.3



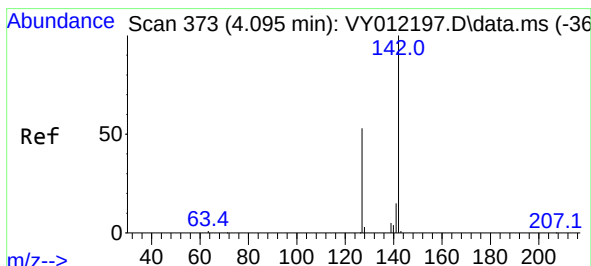
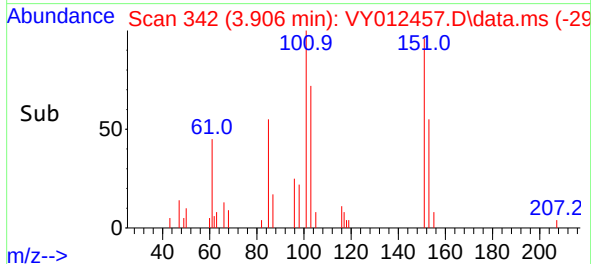
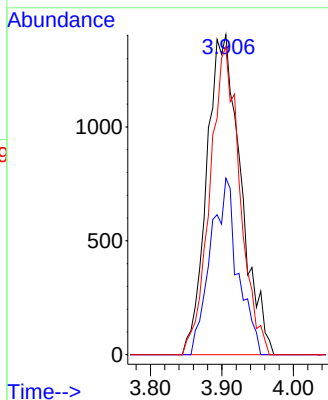
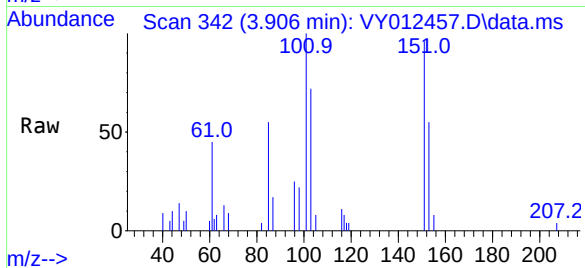




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 3.147 ug/l  
RT: 3.906 min Scan# 341  
Delta R.T. 0.006 min  
Lab File: VY012457.D  
Acq: 02 Feb 2023 15:26

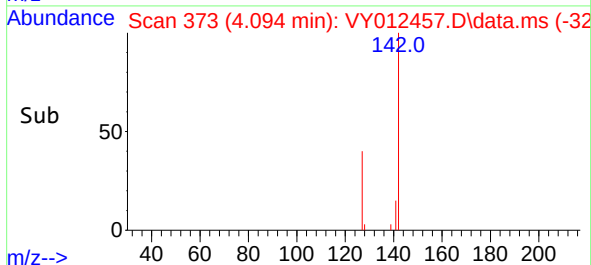
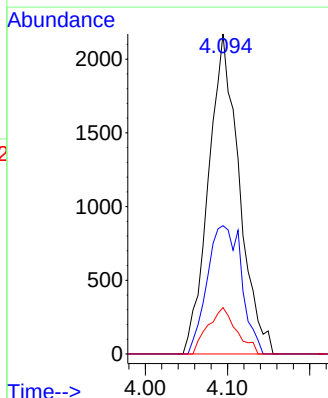
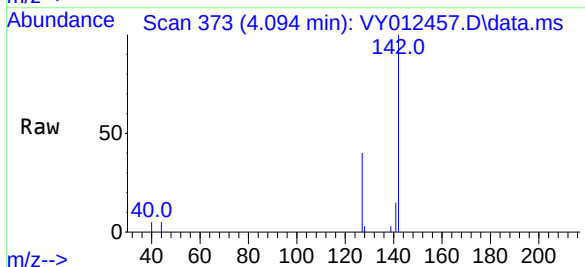
Instrument :  
MSVOA\_Y  
ClientSampleId :  
MDL07

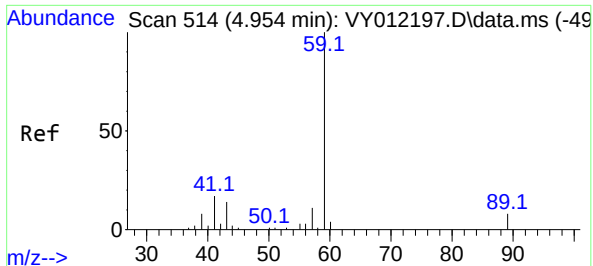
Tgt Ion:101 Resp: 4649  
Ion Ratio Lower Upper  
101 100  
85 44.3 36.2 54.2  
151 84.8 64.2 96.2



#10  
Methyl Iodide  
Concen: 2.505 ug/l  
RT: 4.094 min Scan# 373  
Delta R.T. -0.001 min  
Lab File: VY012457.D  
Acq: 02 Feb 2023 15:26

Tgt Ion:142 Resp: 5625  
Ion Ratio Lower Upper  
142 100  
127 45.0 37.0 55.4  
141 13.5 11.4 17.0

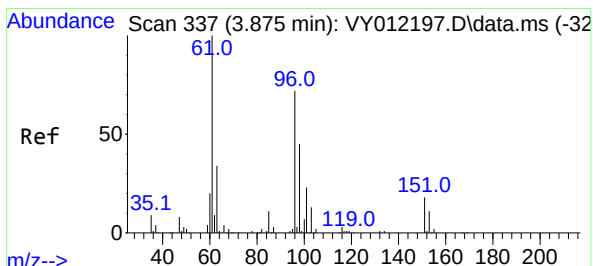
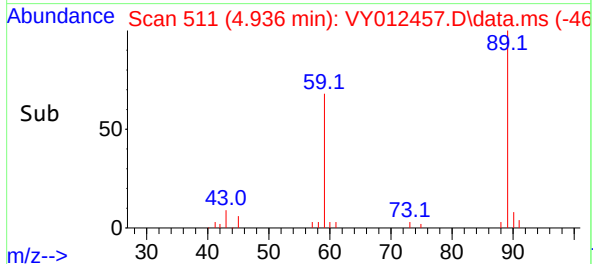
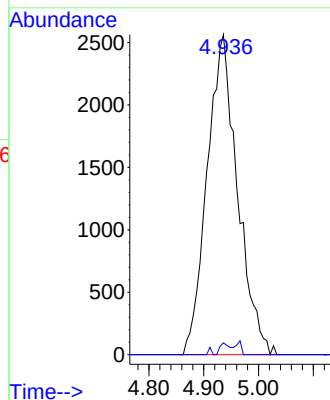
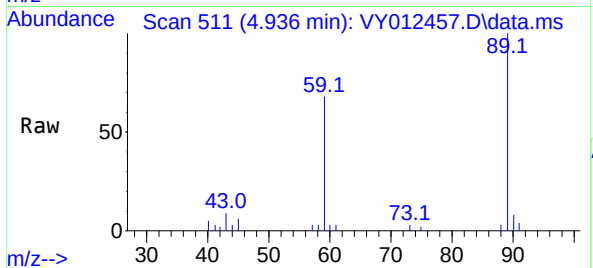




#11  
Tert butyl alcohol  
Concen: 51.067 ug/l  
RT: 4.936 min Scan# 511  
Delta R.T. -0.012 min  
Lab File: VY012457.D  
Acq: 02 Feb 2023 15:26

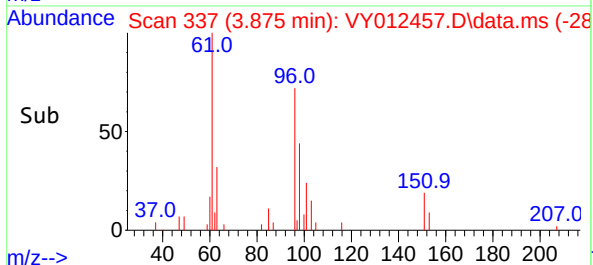
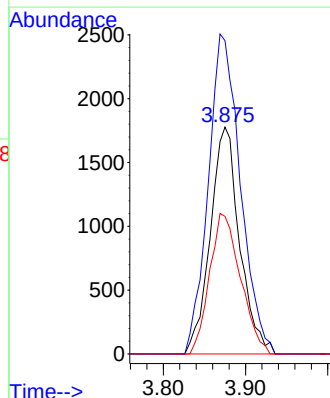
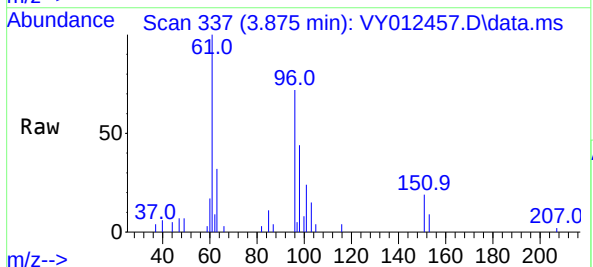
Instrument :  
MSVOA\_Y  
ClientSampleId :  
MDL07

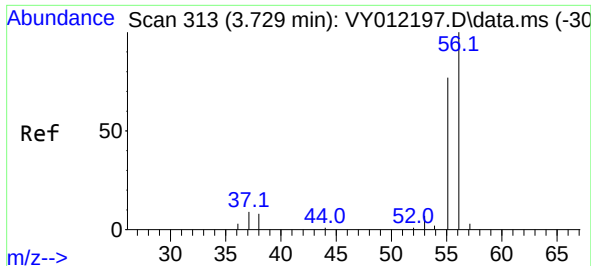
Tgt Ion: 59 Resp: 9889  
Ion Ratio Lower Upper  
59 100  
57 1.1 7.4 11.2#



#12  
1,1-Dichloroethene  
Concen: 2.901 ug/l  
RT: 3.875 min Scan# 337  
Delta R.T. 0.000 min  
Lab File: VY012457.D  
Acq: 02 Feb 2023 15:26

Tgt Ion: 96 Resp: 4401  
Ion Ratio Lower Upper  
96 100  
61 138.1 122.0 183.0  
98 60.7 48.6 73.0





#13

Acrolein

Concen: Below Cal

RT: 3.729 min Scan# 31

Delta R.T. -0.000 min

Lab File: VY012457.D

Acq: 02 Feb 2023 15:26

Instrument :

MSVOA\_Y

ClientSampleId :

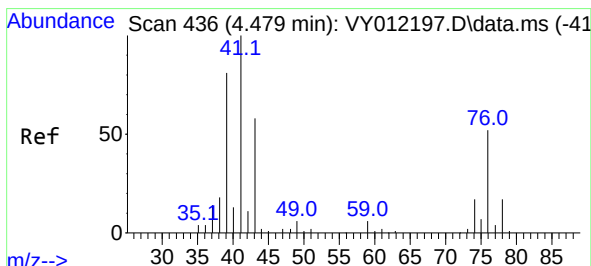
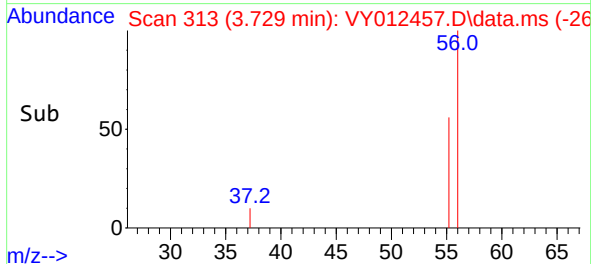
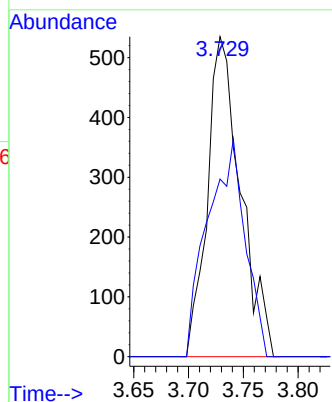
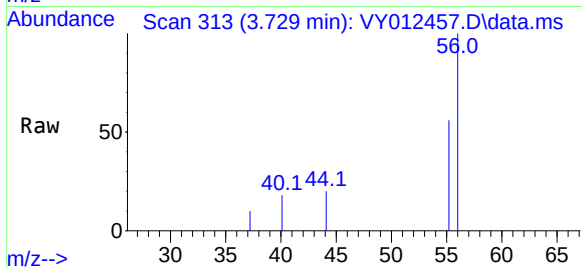
MDL07

Tgt Ion: 56 Resp: 1127

Ion Ratio Lower Upper

56 100

55 76.7 56.6 85.0



#14

Allyl chloride

Concen: 2.882 ug/l

RT: 4.485 min Scan# 437

Delta R.T. 0.006 min

Lab File: VY012457.D

Acq: 02 Feb 2023 15:26

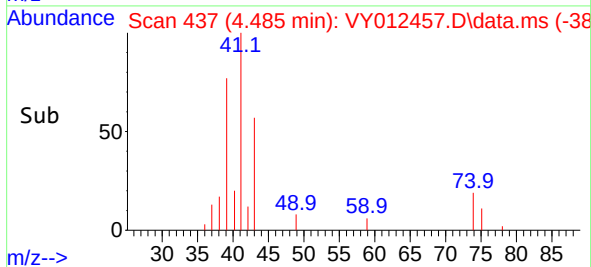
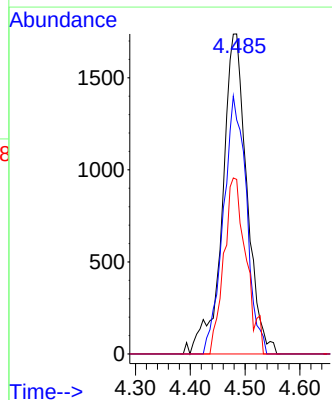
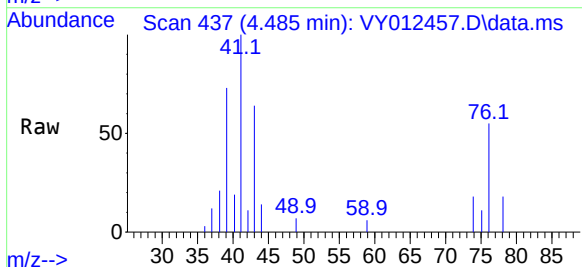
Tgt Ion: 41 Resp: 5406

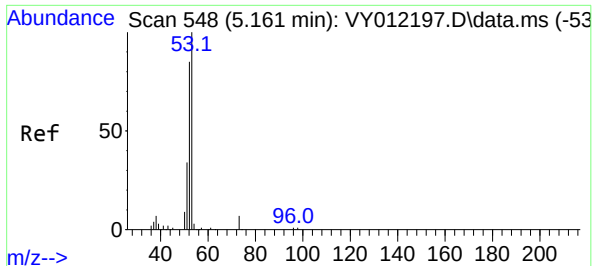
Ion Ratio Lower Upper

41 100

39 76.0 53.5 80.3

76 49.8 31.1 46.7#

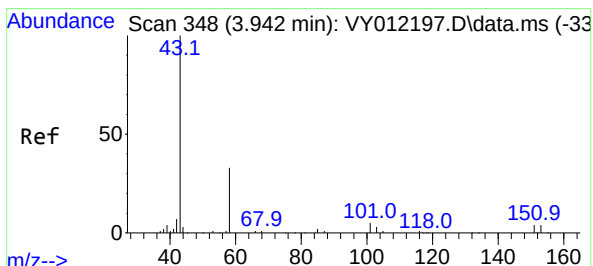
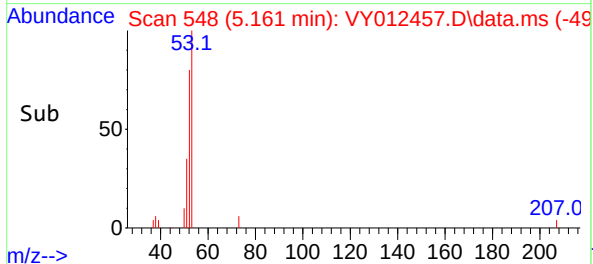
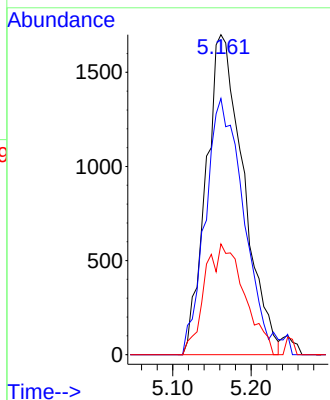
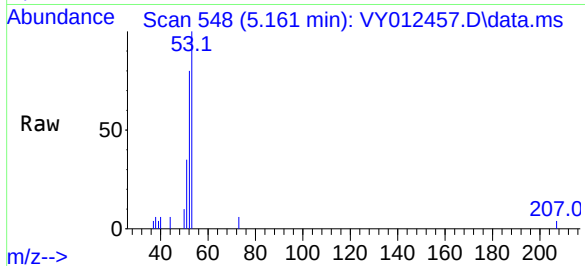




#15  
Acrylonitrile  
Concen: 14.249 ug/l  
RT: 5.161 min Scan# 548  
Delta R.T. 0.000 min  
Lab File: VY012457.D  
Acq: 02 Feb 2023 15:26

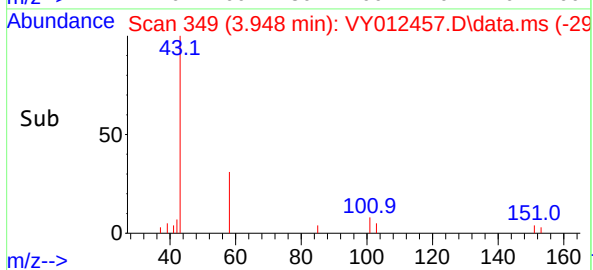
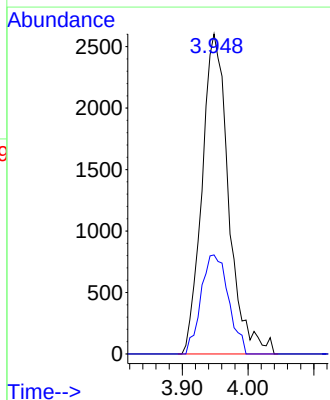
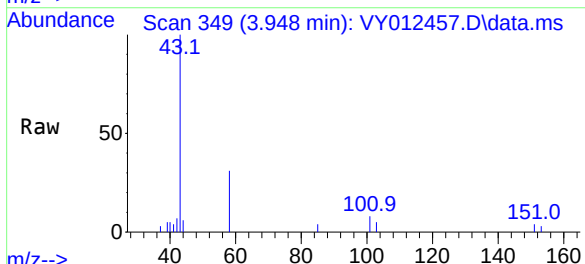
Instrument :  
MSVOA\_Y  
ClientSampleId :  
MDL07

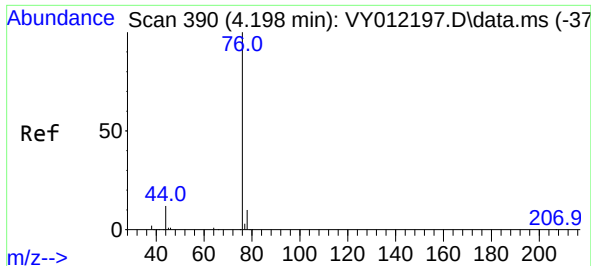
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 53    | Resp: | 5622  |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 83.5  | 65.1  | 97.7  |
| 51       | 36.9  | 28.7  | 43.1  |



#16  
Acetone  
Concen: 15.874 ug/l  
RT: 3.948 min Scan# 349  
Delta R.T. 0.006 min  
Lab File: VY012457.D  
Acq: 02 Feb 2023 15:26

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 7301  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 31.0  | 27.9  | 41.9  |

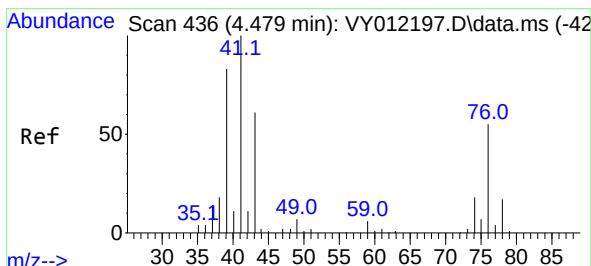
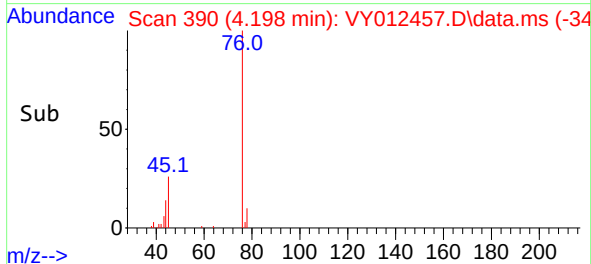
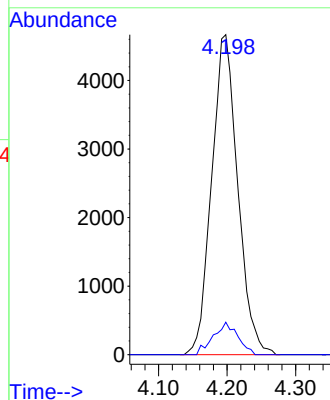
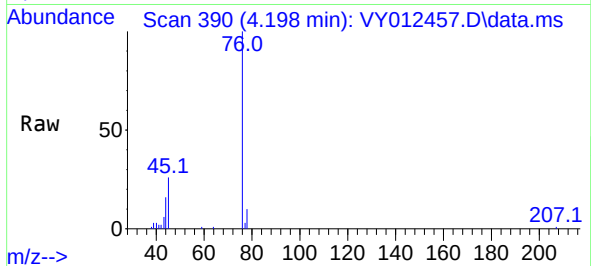




#17  
Carbon Disulfide  
Concen: 2.630 ug/l  
RT: 4.198 min Scan# 390  
Delta R.T. 0.000 min  
Lab File: VY012457.D  
Acq: 02 Feb 2023 15:26

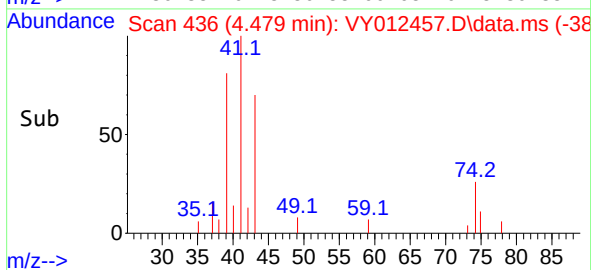
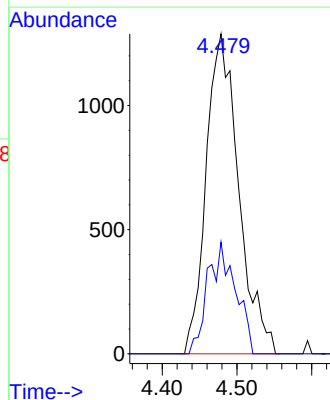
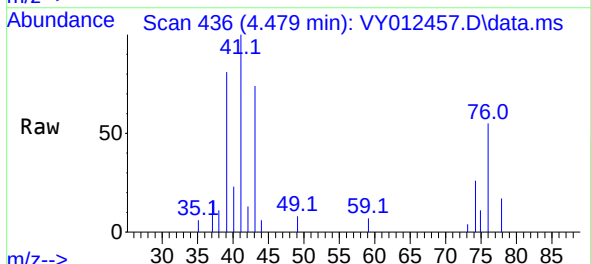
Instrument :  
MSVOA\_Y  
ClientSampleId :  
MDL07

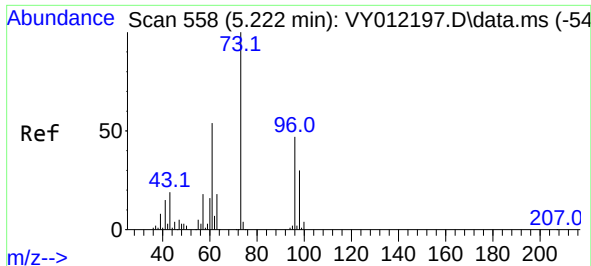
Tgt Ion: 76 Resp: 12340  
Ion Ratio Lower Upper  
76 100  
78 10.1 7.2 10.8



#18  
Methyl Acetate  
Concen: 3.785 ug/l  
RT: 4.479 min Scan# 436  
Delta R.T. 0.006 min  
Lab File: VY012457.D  
Acq: 02 Feb 2023 15:26

Tgt Ion: 43 Resp: 3896  
Ion Ratio Lower Upper  
43 100  
74 29.8 20.1 30.1





#19

Methyl tert-butyl Ether

Concen: 2.639 ug/l

RT: 5.216 min Scan# 511

Delta R.T. -0.006 min

Lab File: VY012457.D

Acq: 02 Feb 2023 15:26

Instrument :

MSVOA\_Y

ClientSampleId :

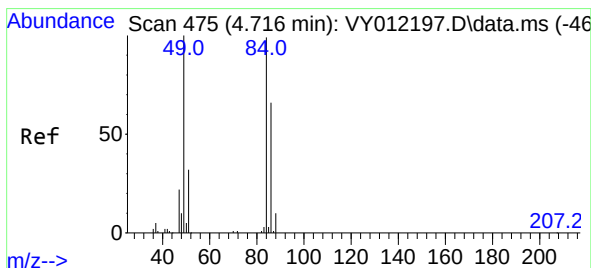
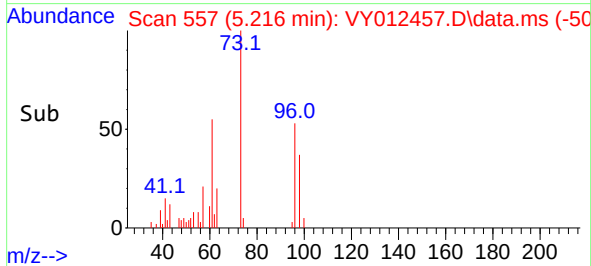
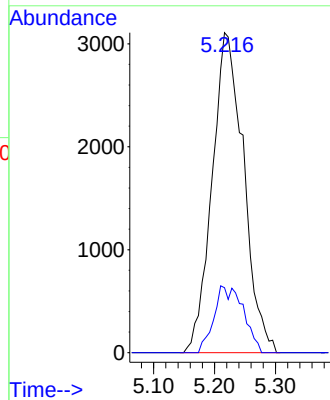
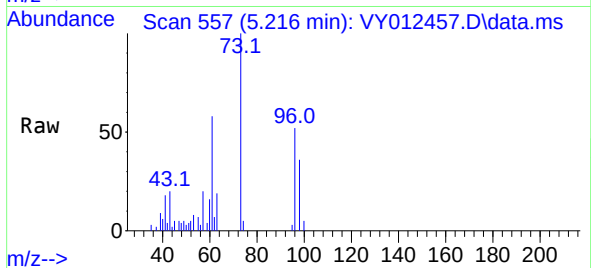
MDL07

Tgt Ion: 73 Resp: 11160

Ion Ratio Lower Upper

73 100

57 20.3 17.4 26.0



#20

Methylene Chloride

Concen: 2.413 ug/l

RT: 4.716 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY012457.D

Acq: 02 Feb 2023 15:26

Tgt Ion: 84 Resp: 19202

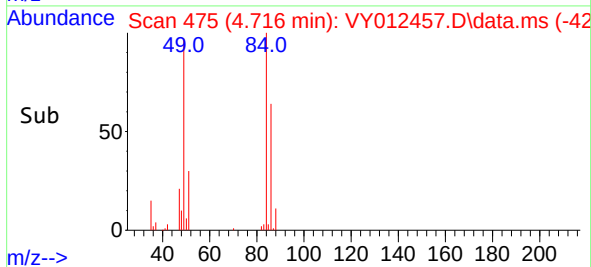
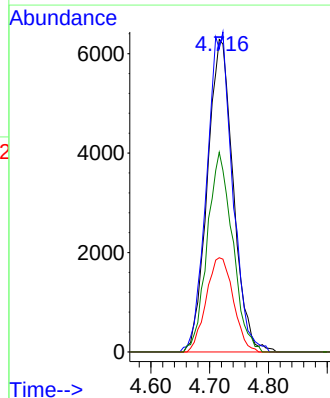
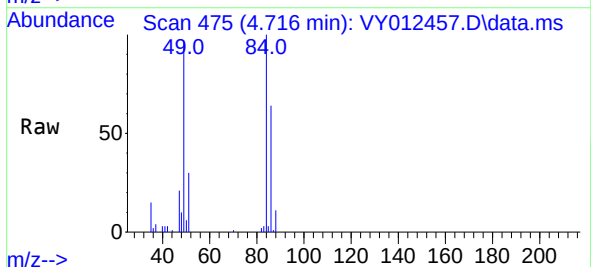
Ion Ratio Lower Upper

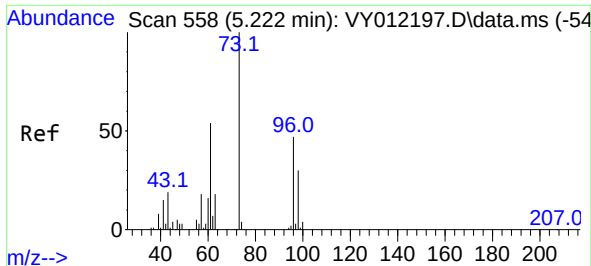
84 100

49 97.0 95.4 143.2

51 30.2 29.9 44.9

86 63.9 49.6 74.4

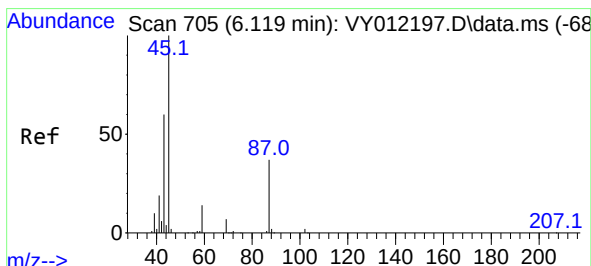
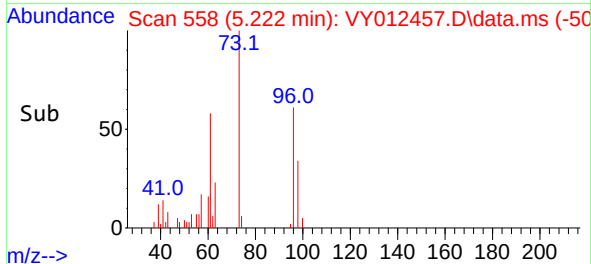
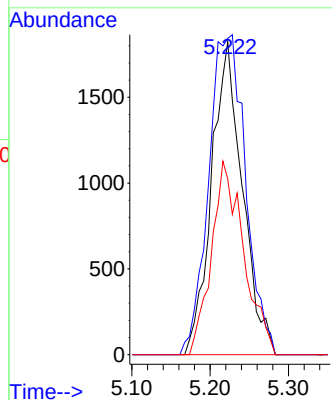
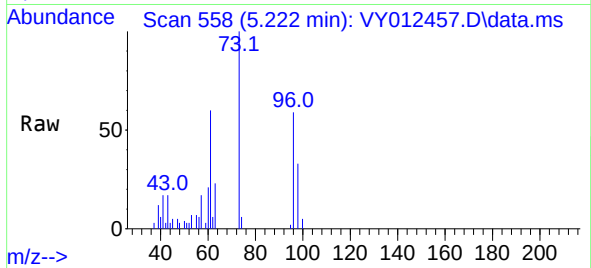




#21  
trans-1,2-Dichloroethene  
Concen: 2.959 ug/l  
RT: 5.222 min Scan# 510  
Delta R.T. 0.000 min  
Lab File: VY012457.D  
Acq: 02 Feb 2023 15:26

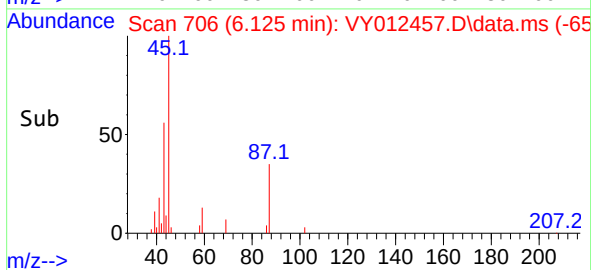
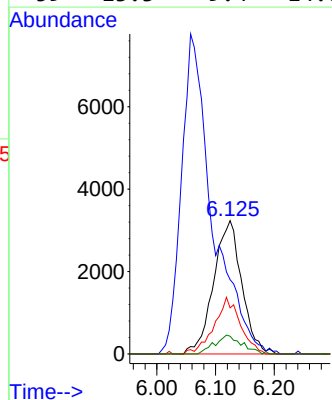
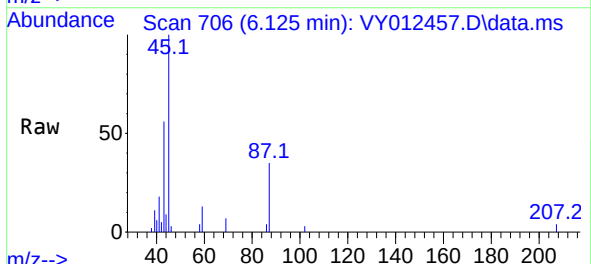
Instrument :  
MSVOA\_Y  
ClientSampleId :  
MDL07

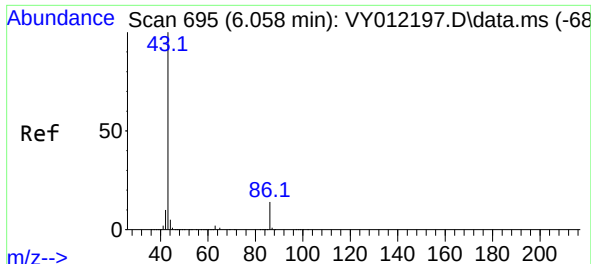
Tgt Ion: 96 Resp: 5010  
Ion Ratio Lower Upper  
96 100  
61 101.1 108.0 162.0#  
98 56.2 51.6 77.4



#22  
Diisopropyl ether  
Concen: 2.886 ug/l  
RT: 6.125 min Scan# 706  
Delta R.T. 0.006 min  
Lab File: VY012457.D  
Acq: 02 Feb 2023 15:26

Tgt Ion: 45 Resp: 10794  
Ion Ratio Lower Upper  
45 100  
43 55.7 45.0 67.4  
87 34.6 22.6 33.8#  
59 13.3 9.4 14.0

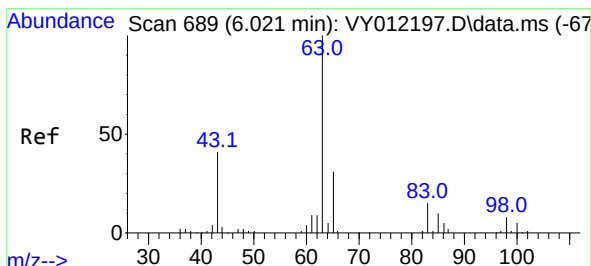
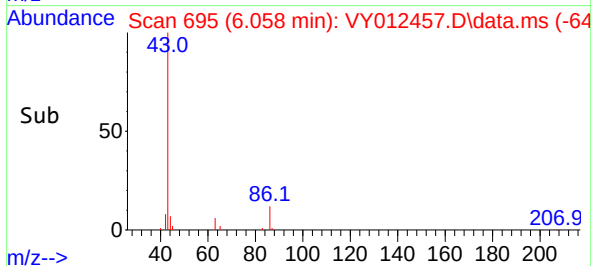
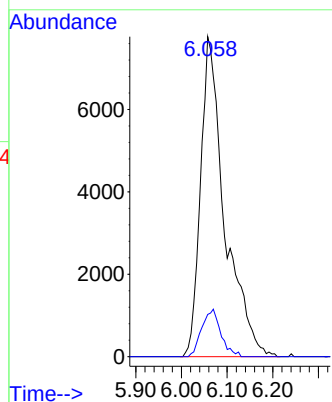
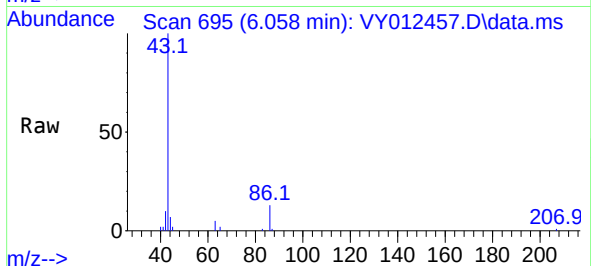




#23  
Vinyl Acetate  
Concen: 12.217 ug/l  
RT: 6.058 min Scan# 695  
Delta R.T. -0.000 min  
Lab File: VY012457.D  
Acq: 02 Feb 2023 15:26

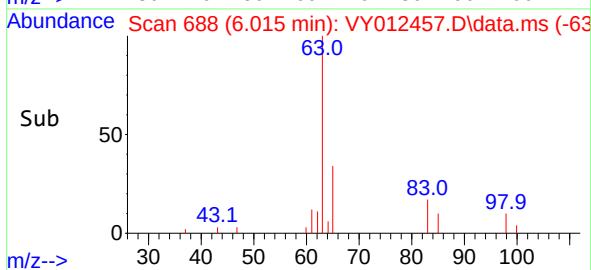
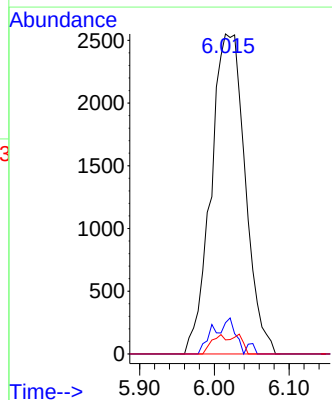
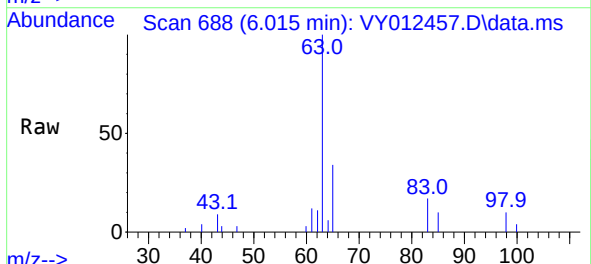
Instrument :  
MSVOA\_Y  
ClientSampleId :  
MDL07

Tgt Ion: 43 Resp: 28470  
Ion Ratio Lower Upper  
43 100  
86 13.2 9.0 13.4

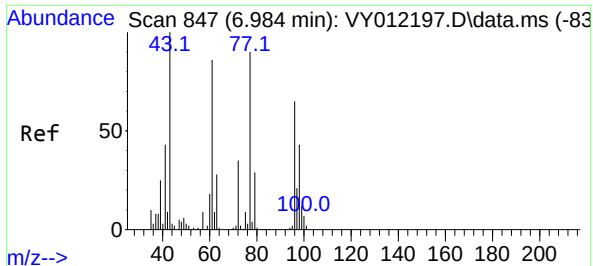


#24  
1,1-Dichloroethane  
Concen: 3.121 ug/l  
RT: 6.015 min Scan# 688  
Delta R.T. -0.000 min  
Lab File: VY012457.D  
Acq: 02 Feb 2023 15:26

Tgt Ion: 63 Resp: 8096  
Ion Ratio Lower Upper  
63 100  
98 9.7 3.5 10.5  
100 4.4 2.2 6.6







#25

2-Butanone

Concen: 15.607 ug/l

RT: 6.984 min Scan# 84

Delta R.T. 0.000 min

Lab File: VY012457.D

Acq: 02 Feb 2023 15:26

Instrument :

MSVOA\_Y

ClientSampleId :

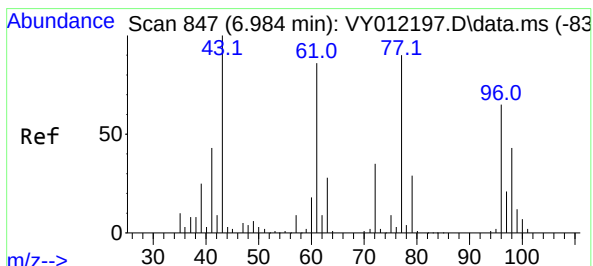
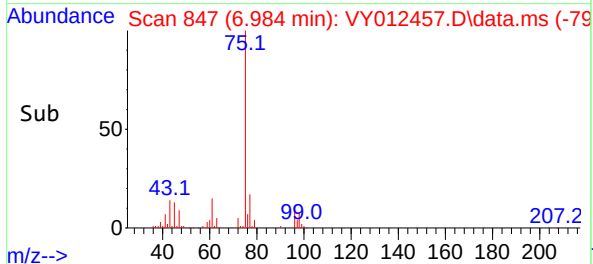
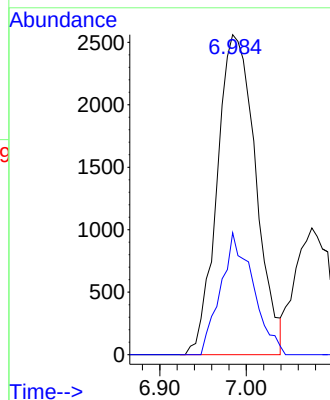
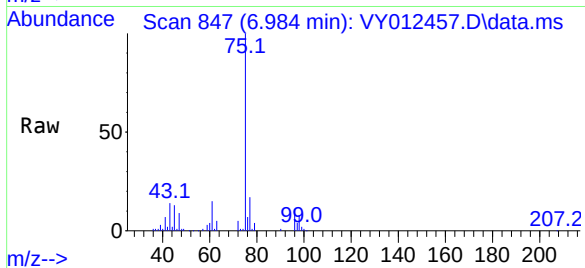
MDL07

Tgt Ion: 43 Resp: 7925

Ion Ratio Lower Upper

43 100

72 38.1 22.6 34.0#



#26

2,2-Dichloropropane

Concen: 3.731 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.000 min

Lab File: VY012457.D

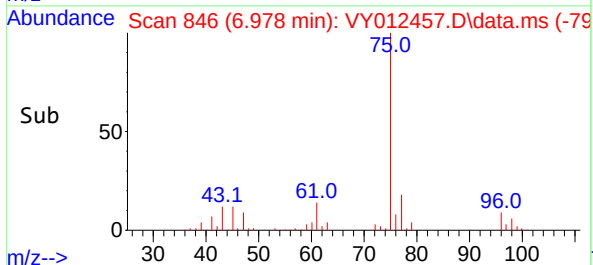
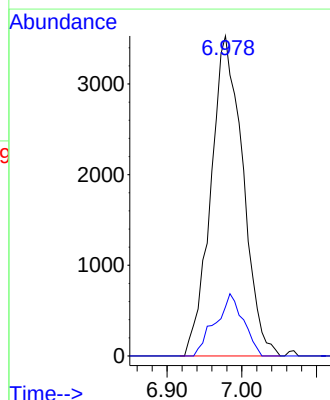
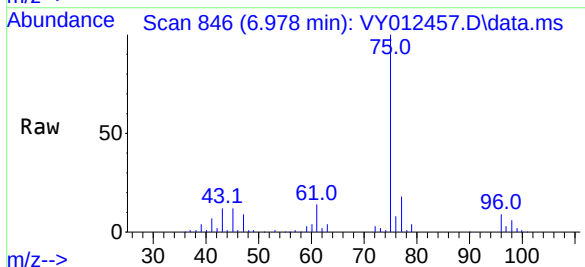
Acq: 02 Feb 2023 15:26

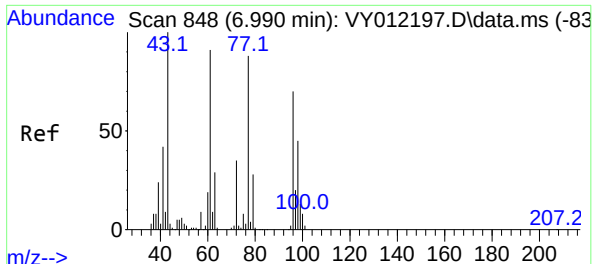
Tgt Ion: 77 Resp: 10507

Ion Ratio Lower Upper

77 100

97 17.0 11.4 34.1

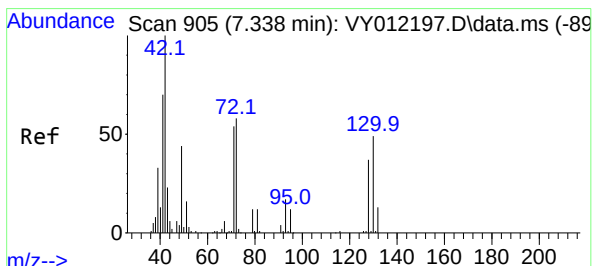
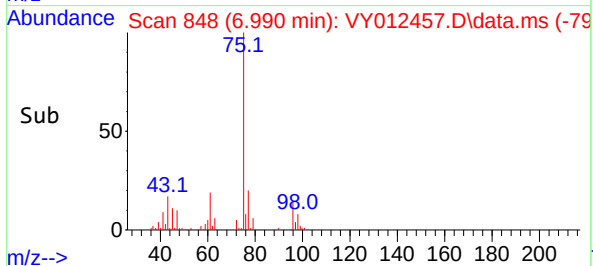
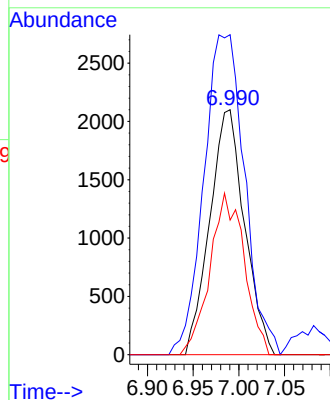
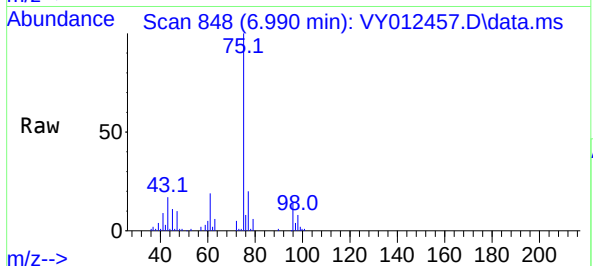




#27  
 cis-1,2-Dichloroethene  
 Concen: 2.991 ug/l  
 RT: 6.990 min Scan# 848  
 Delta R.T. 0.006 min  
 Lab File: VY012457.D  
 Acq: 02 Feb 2023 15:26

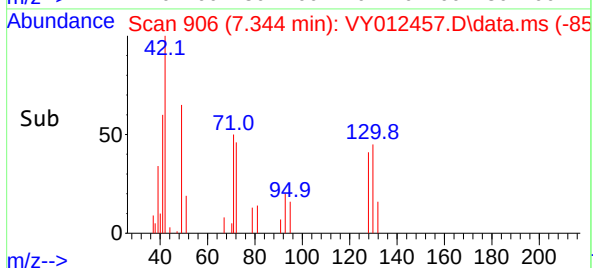
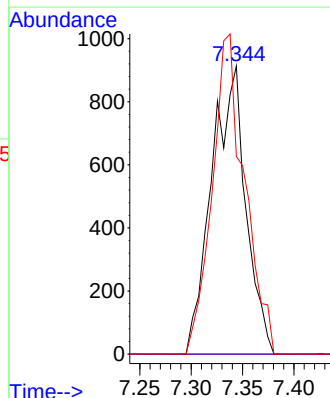
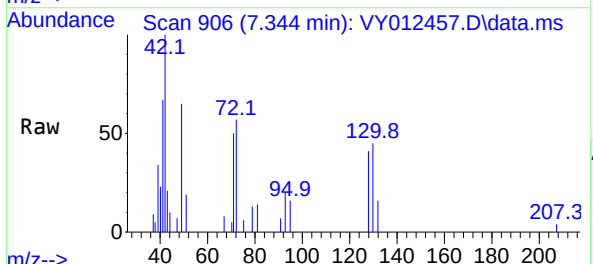
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 MDL07

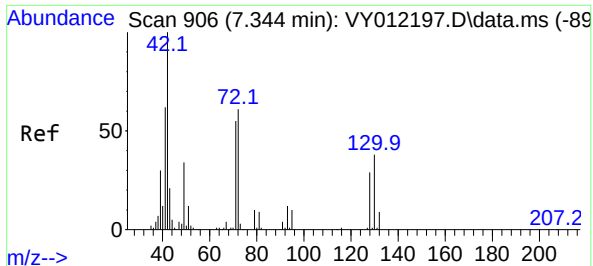
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 5561  |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 152.6 | 0.0   | 283.4 |
| 98       | 65.0  | 0.0   | 127.6 |



#28  
 Bromochloromethane  
 Concen: 3.739 ug/l  
 RT: 7.344 min Scan# 906  
 Delta R.T. 0.012 min  
 Lab File: VY012457.D  
 Acq: 02 Feb 2023 15:26

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 49    | Resp: | 2118   |
| Ion      | Ratio | Lower | Upper  |
| 49       | 100   |       |        |
| 129      | 0.0   | 0.0   | 4.6    |
| 130      | 104.8 | 66.7  | 100.1# |

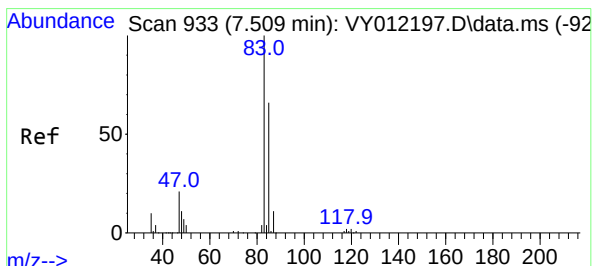
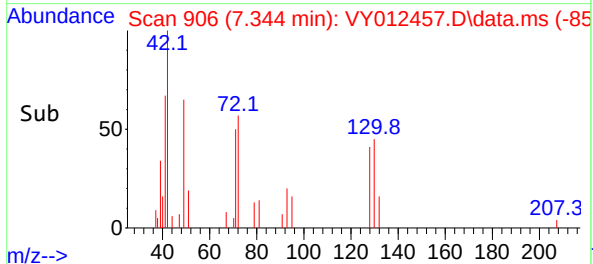
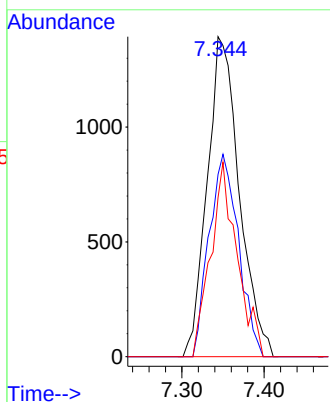
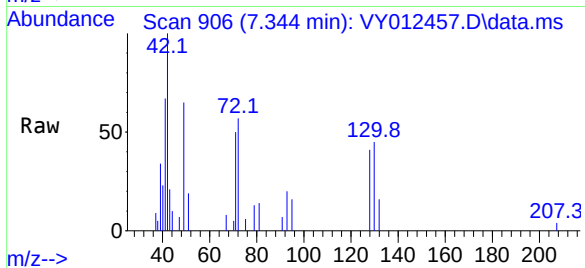




#29  
Tetrahydrofuran  
Concen: 13.552 ug/l  
RT: 7.344 min Scan# 906  
Delta R.T. -0.000 min  
Lab File: VY012457.D  
Acq: 02 Feb 2023 15:26

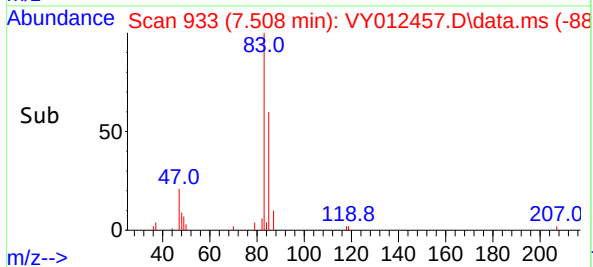
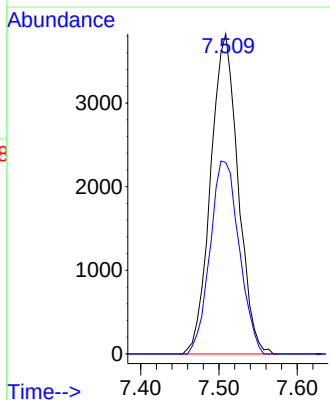
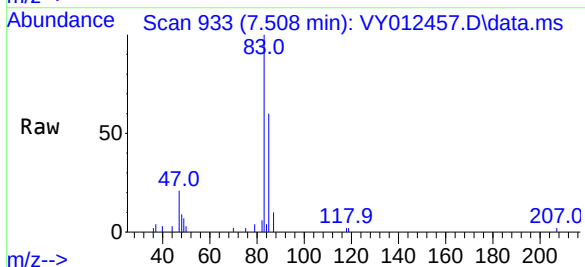
Instrument :  
MSVOA\_Y  
ClientSampleId :  
MDL07

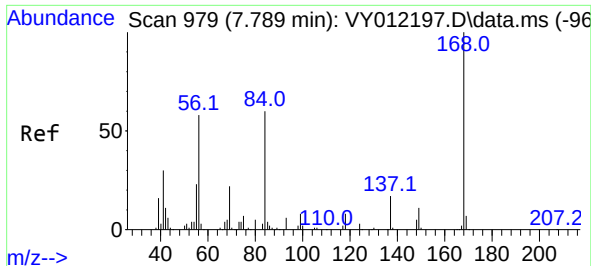
Tgt Ion: 42 Resp: 3780  
Ion Ratio Lower Upper  
42 100  
72 58.0 37.0 55.6#  
71 50.1 34.9 52.3



#30  
Chloroform  
Concen: 3.039 ug/l  
RT: 7.508 min Scan# 933  
Delta R.T. 0.005 min  
Lab File: VY012457.D  
Acq: 02 Feb 2023 15:26

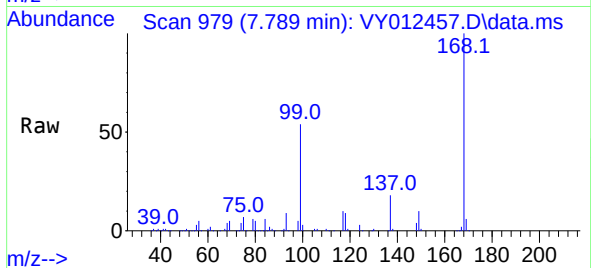
Tgt Ion: 83 Resp: 9305  
Ion Ratio Lower Upper  
83 100  
85 59.8 51.5 77.3



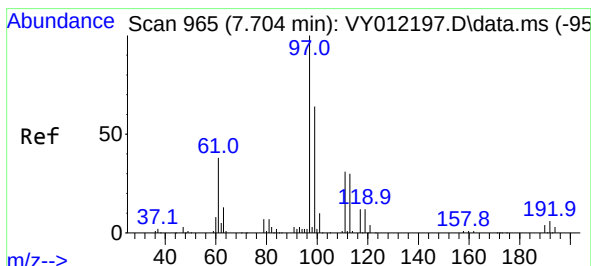
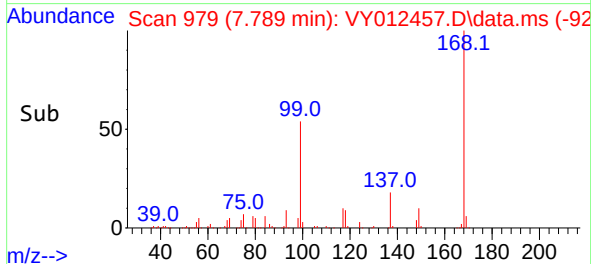
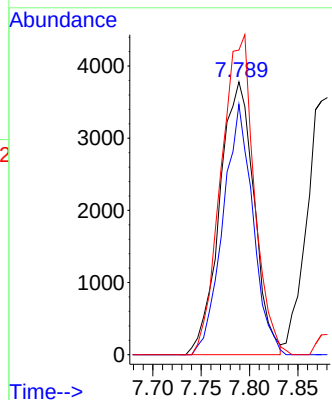


#31  
Cyclohexane  
Concen: 3.889 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY012457.D  
Acq: 02 Feb 2023 15:26

Instrument :  
MSVOA\_Y  
ClientSampleId :  
MDL07

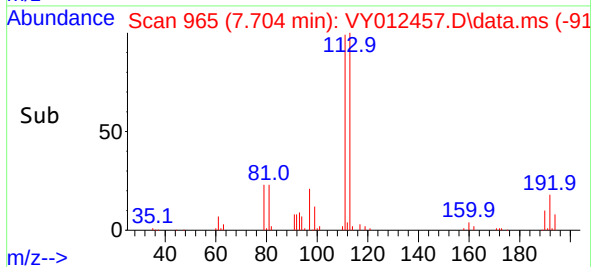
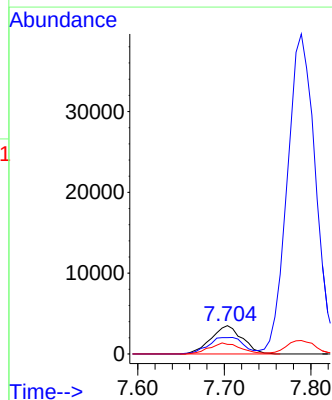
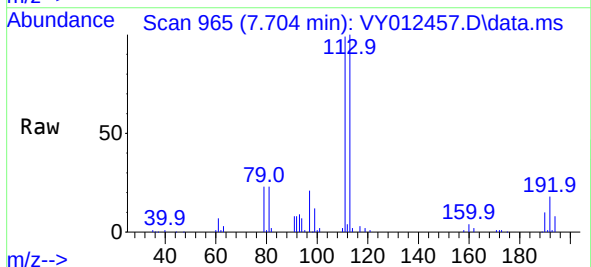


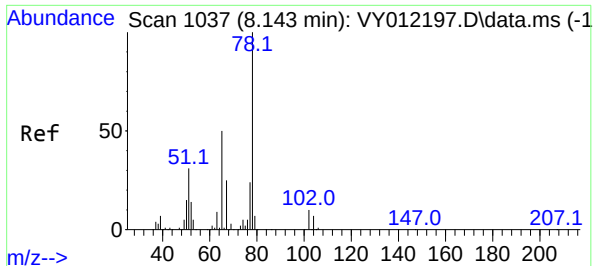
Tgt Ion: 56 Resp: 9366  
Ion Ratio Lower Upper  
56 100  
69 91.7 29.2 43.8#  
84 111.7 72.6 108.8#



#32  
1,1,1-Trichloroethane  
Concen: 2.879 ug/l  
RT: 7.704 min Scan# 965  
Delta R.T. 0.006 min  
Lab File: VY012457.D  
Acq: 02 Feb 2023 15:26

Tgt Ion: 97 Resp: 8727  
Ion Ratio Lower Upper  
97 100  
99 64.9 51.0 76.4  
61 38.6 33.0 49.4





#33

1,2-Dichloroethane-d4

Concen: 45.242 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VY012457.D

Acq: 02 Feb 2023 15:26

Instrument :

MSVOA\_Y

ClientSampleId :

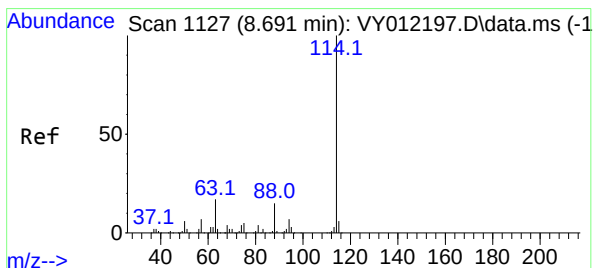
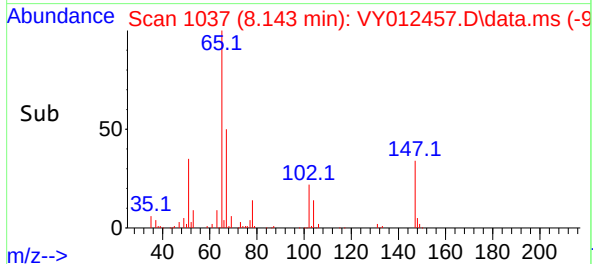
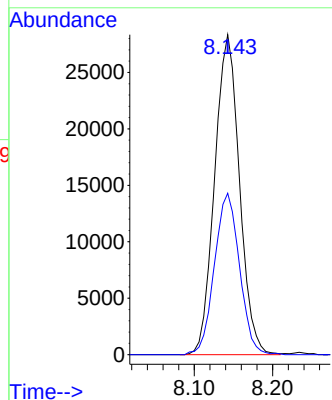
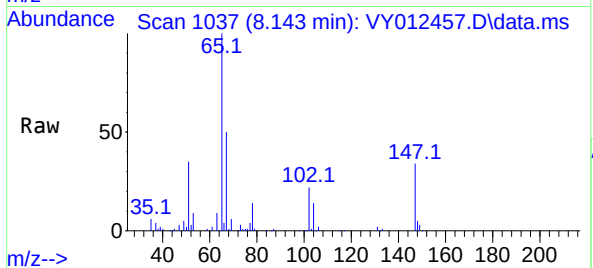
MDL07

Tgt Ion: 65 Resp: 62455

Ion Ratio Lower Upper

65 100

67 50.9 0.0 103.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012457.D

Acq: 02 Feb 2023 15:26

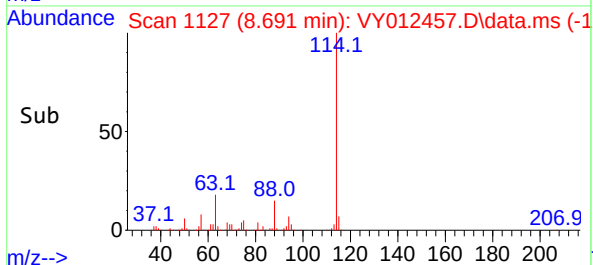
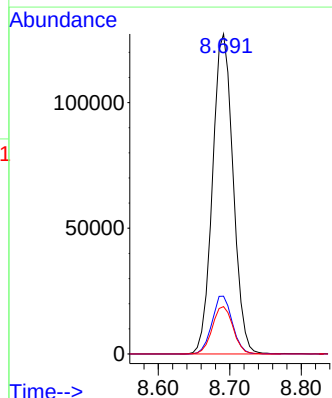
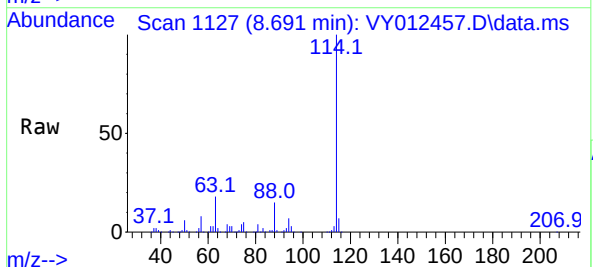
Tgt Ion:114 Resp: 254449

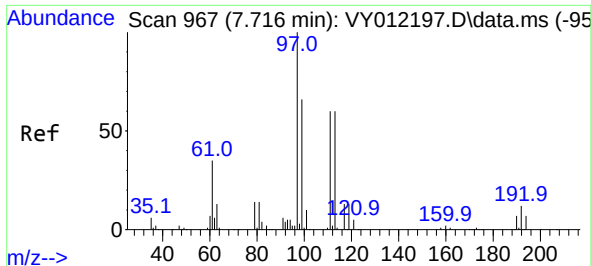
Ion Ratio Lower Upper

114 100

63 18.0 0.0 39.6

88 14.8 0.0 32.2

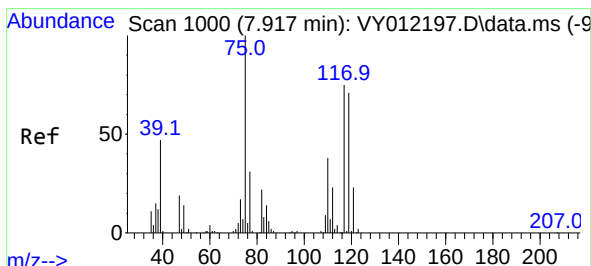
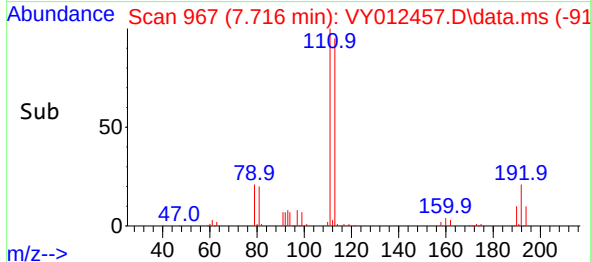
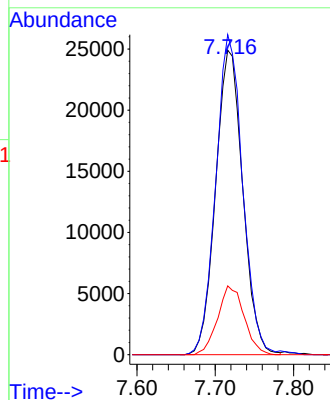
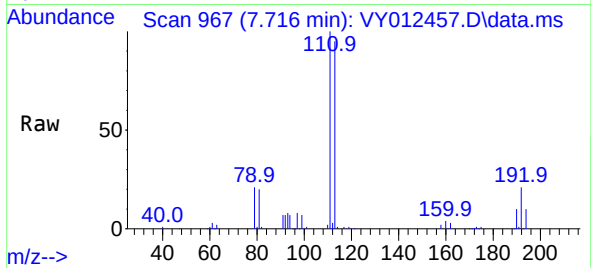




#35  
Dibromofluoromethane  
Concen: 44.460 ug/l  
RT: 7.716 min Scan# 90  
Delta R.T. -0.000 min  
Lab File: VY012457.D  
Acq: 02 Feb 2023 15:26

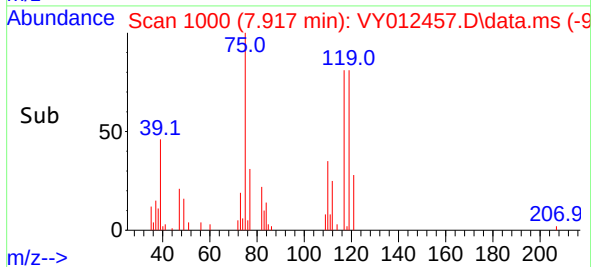
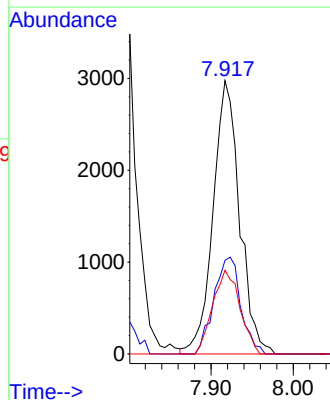
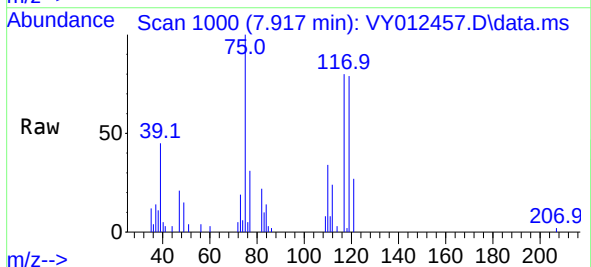
Instrument :  
MSVOA\_Y  
ClientSampleId :  
MDL07

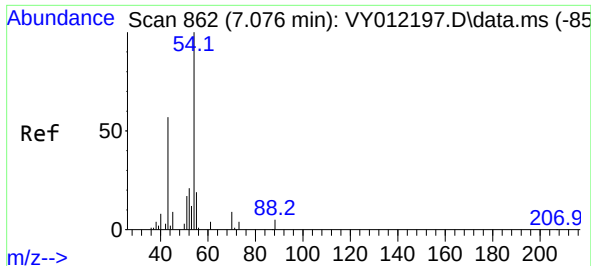
Tgt Ion:113 Resp: 59901  
Ion Ratio Lower Upper  
113 100  
111 104.3 83.0 124.4  
192 22.1 16.0 24.0



#36  
1,1-Dichloropropene  
Concen: 2.912 ug/l  
RT: 7.917 min Scan# 1000  
Delta R.T. -0.000 min  
Lab File: VY012457.D  
Acq: 02 Feb 2023 15:26

Tgt Ion: 75 Resp: 6667  
Ion Ratio Lower Upper  
75 100  
110 35.9 18.1 54.1  
77 31.4 25.1 37.7

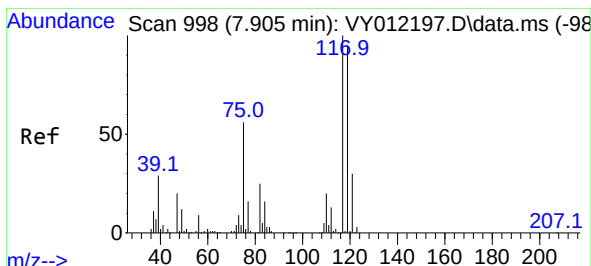
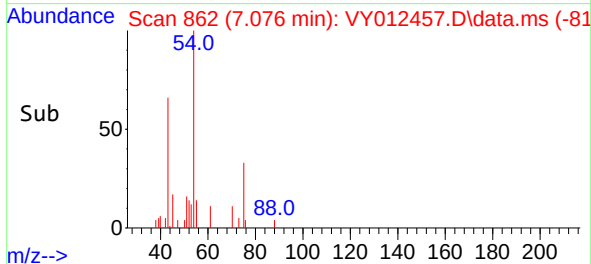
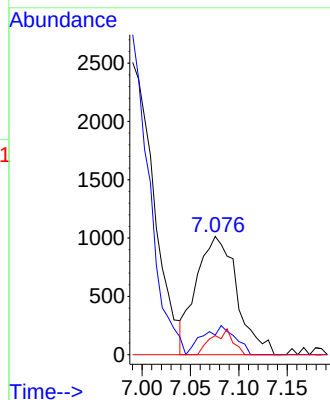
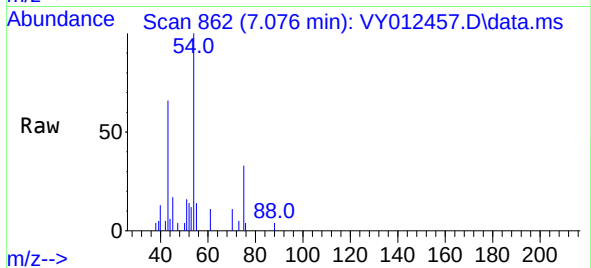




#37  
Ethyl Acetate  
Concen: 2.943 ug/l  
RT: 7.076 min Scan# 862  
Delta R.T. -0.000 min  
Lab File: VY012457.D  
Acq: 02 Feb 2023 15:26

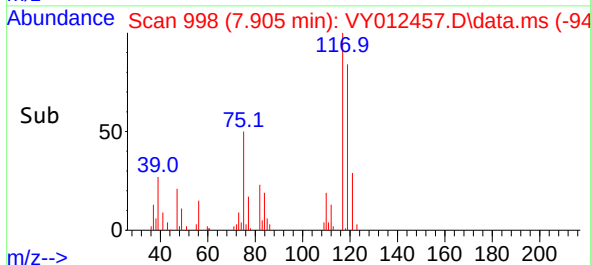
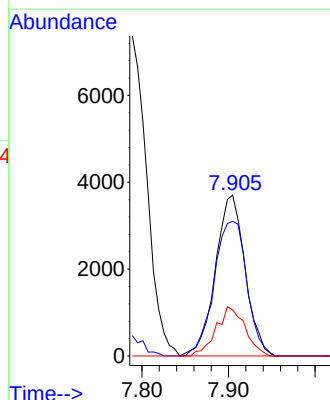
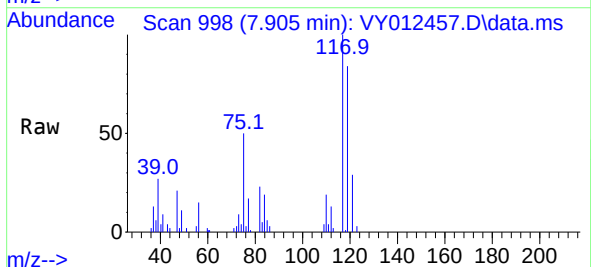
Instrument :  
MSVOA\_Y  
ClientSampleId :  
MDL07

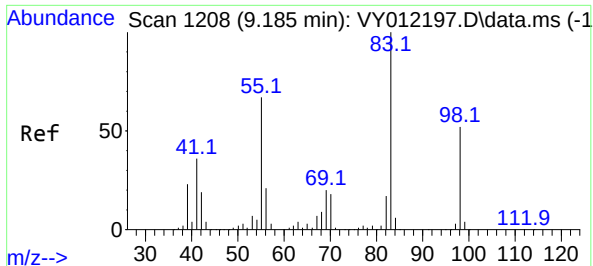
Tgt Ion: 43 Resp: 2971  
Ion Ratio Lower Upper  
43 100  
61 19.2 11.3 16.9#  
70 11.1 8.2 12.4



#38  
Carbon Tetrachloride  
Concen: 2.973 ug/l  
RT: 7.905 min Scan# 998  
Delta R.T. 0.006 min  
Lab File: VY012457.D  
Acq: 02 Feb 2023 15:26

Tgt Ion: 117 Resp: 8791  
Ion Ratio Lower Upper  
117 100  
119 83.7 73.8 110.8  
121 28.7 25.2 37.8

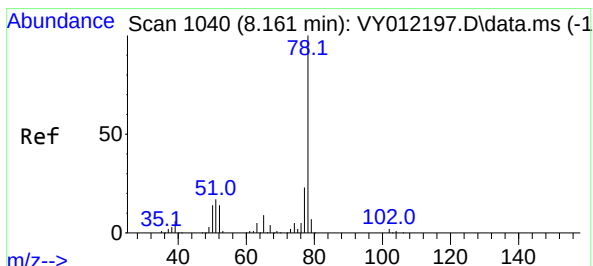
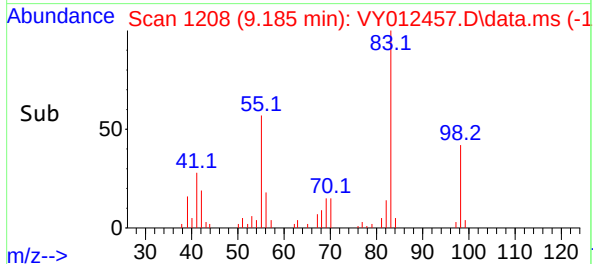
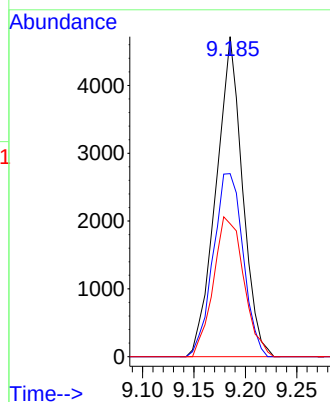
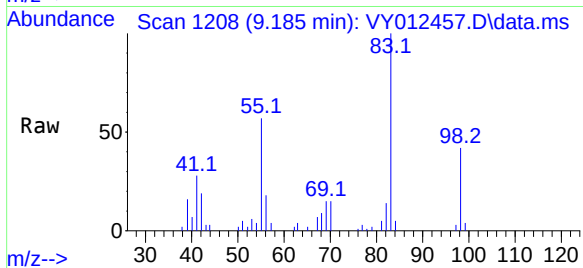




#39  
Methylcyclohexane  
Concen: 3.022 ug/l  
RT: 9.185 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY012457.D  
Acq: 02 Feb 2023 15:26

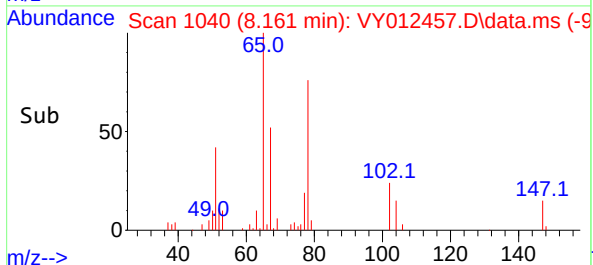
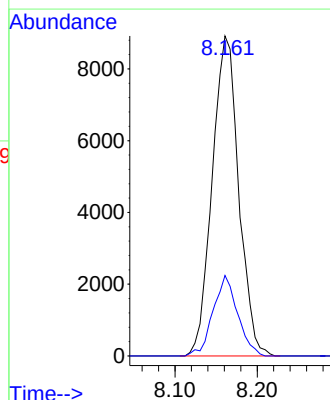
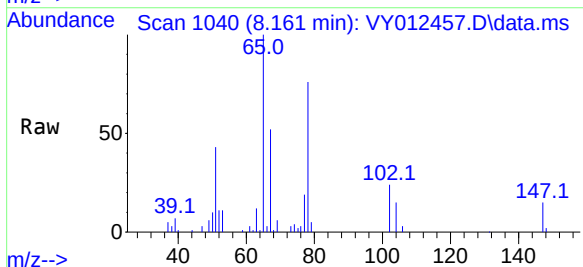
Instrument :  
MSVOA\_Y  
ClientSampleId :  
MDL07

Tgt Ion: 83 Resp: 8455  
Ion Ratio Lower Upper  
83 100  
55 57.2 58.2 87.2#  
98 41.5 38.6 58.0

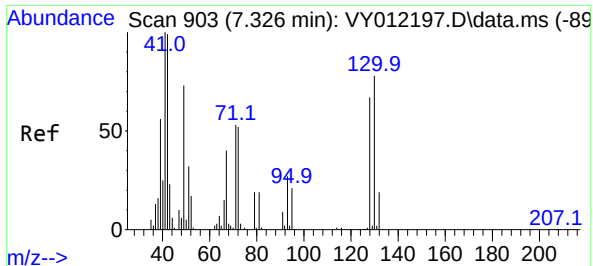


#40  
Benzene  
Concen: 3.026 ug/l  
RT: 8.161 min Scan# 1040  
Delta R.T. -0.000 min  
Lab File: VY012457.D  
Acq: 02 Feb 2023 15:26

Tgt Ion: 78 Resp: 19998  
Ion Ratio Lower Upper  
78 100  
77 25.1 18.6 27.8





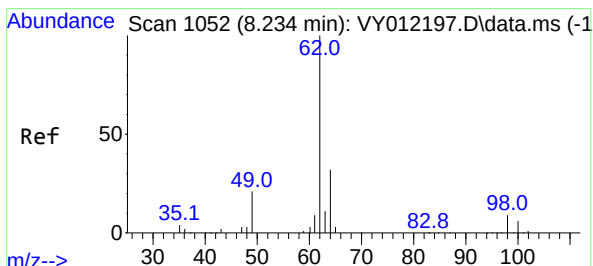
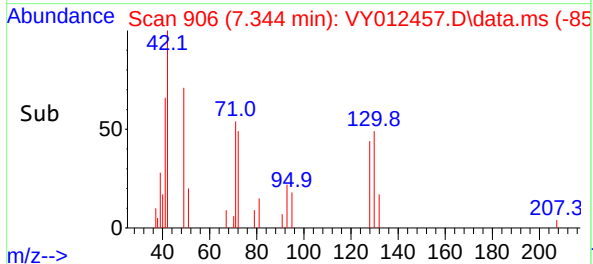
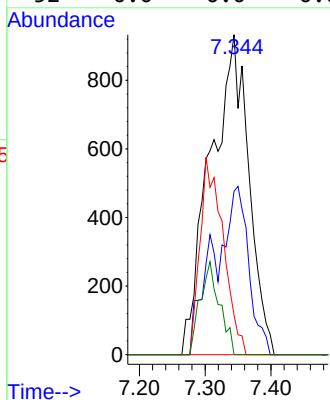
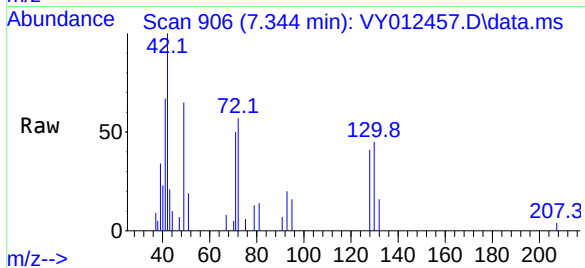


#41  
Methacrylonitrile  
Concen: 6.391 ug/l  
RT: 7.344 min Scan# 903  
Delta R.T. 0.018 min  
Lab File: VY012457.D  
Acq: 02 Feb 2023 15:26

Instrument :  
MSVOA\_Y  
ClientSampleId :  
MDL07

Tgt Ion: 41 Resp: 3792

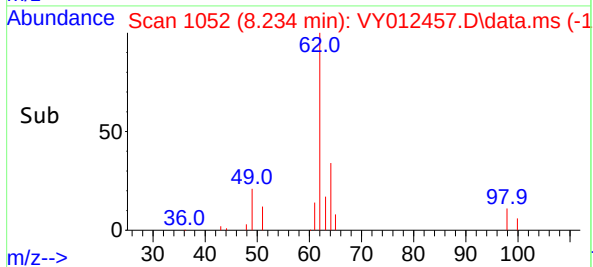
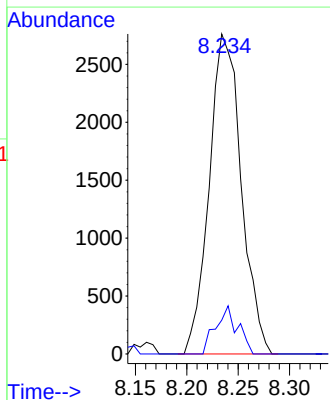
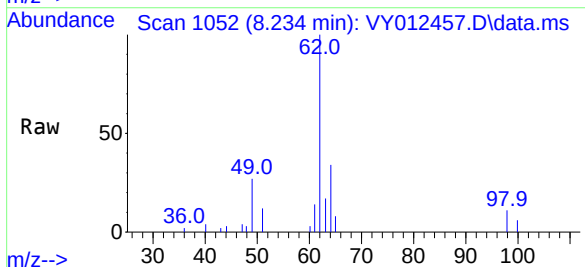
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 39  | 32.1  | 0.0   | 0.0#  |
| 67  | 0.0   | 0.0   | 0.0   |
| 52  | 0.0   | 0.0   | 0.0   |

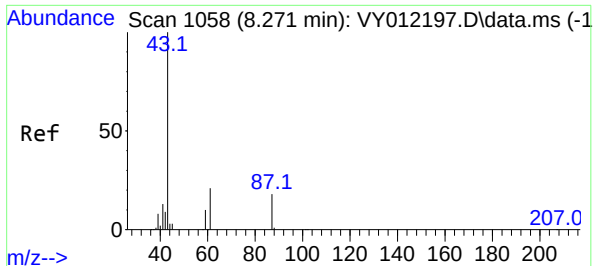


#42  
1,2-Dichloroethane  
Concen: 2.846 ug/l  
RT: 8.234 min Scan# 1052  
Delta R.T. -0.000 min  
Lab File: VY012457.D  
Acq: 02 Feb 2023 15:26

Tgt Ion: 62 Resp: 5987

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 62  | 100   |       |       |
| 98  | 10.3  | 0.0   | 19.6  |





#43

Isopropyl Acetate

Concen: 2.725 ug/l

RT: 8.277 min Scan# 1059

Delta R.T. 0.006 min

Lab File: VY012457.D

Acq: 02 Feb 2023 15:26

Instrument :

MSVOA\_Y

ClientSampleId :

MDL07

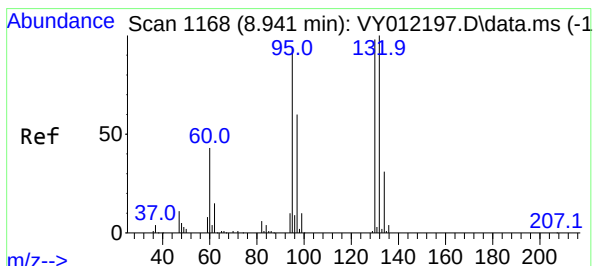
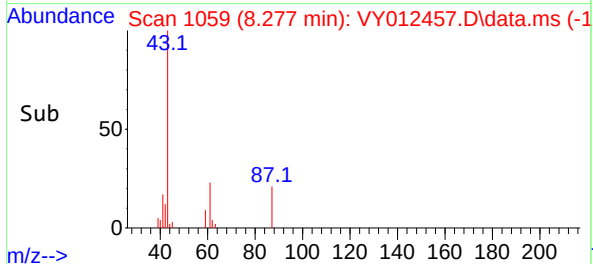
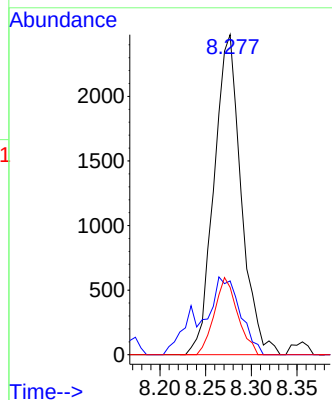
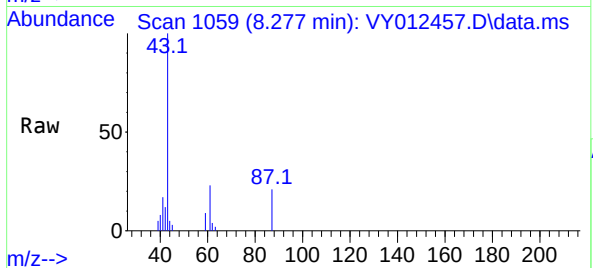
Tgt Ion: 43 Resp: 5117

Ion Ratio Lower Upper

43 100

61 25.3 24.4 36.6

87 20.7 11.4 17.2#



#44

Trichloroethene

Concen: 3.003 ug/l

RT: 8.941 min Scan# 1168

Delta R.T. 0.000 min

Lab File: VY012457.D

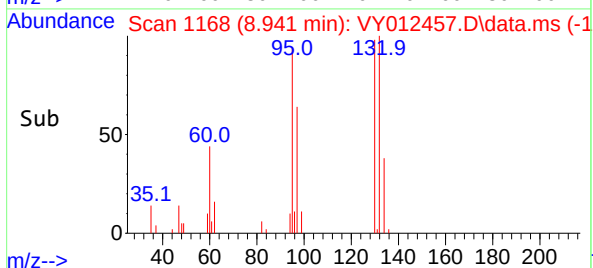
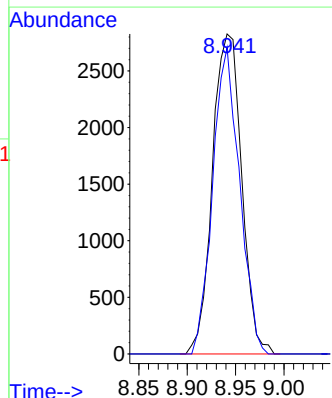
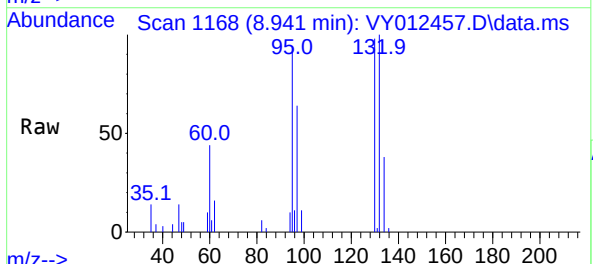
Acq: 02 Feb 2023 15:26

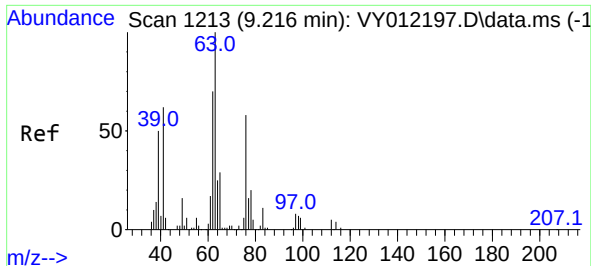
Tgt Ion:130 Resp: 5931

Ion Ratio Lower Upper

130 100

95 95.8 0.0 190.6





#45

1,2-Dichloropropane

Concen: 3.041 ug/l

RT: 9.222 min Scan# 1214

Delta R.T. 0.006 min

Lab File: VY012457.D

Acq: 02 Feb 2023 15:26

Instrument :

MSVOA\_Y

ClientSampleId :

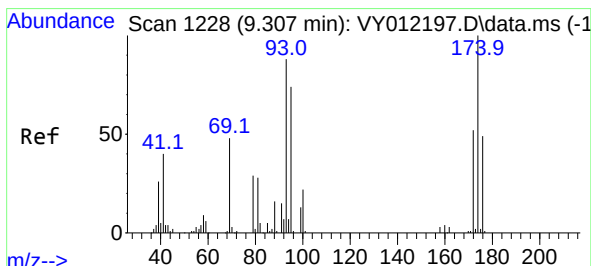
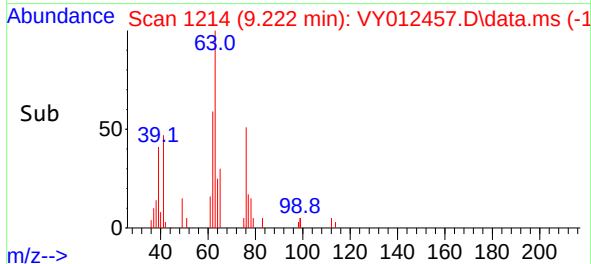
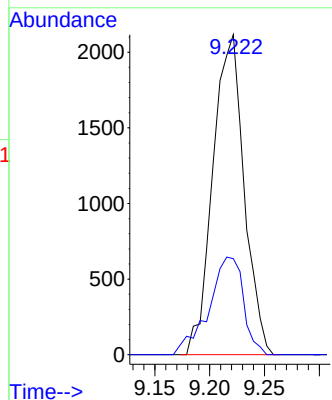
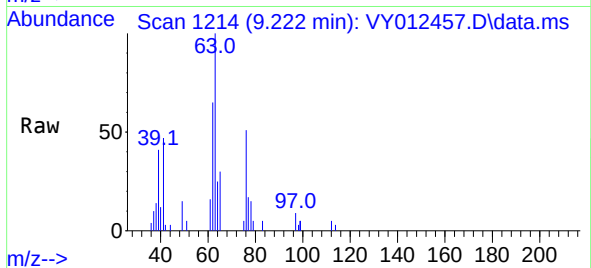
MDL07

Tgt Ion: 63 Resp: 4194

Ion Ratio Lower Upper

63 100

65 30.0 24.9 37.3



#46

Dibromomethane

Concen: 2.887 ug/l

RT: 9.307 min Scan# 1228

Delta R.T. -0.000 min

Lab File: VY012457.D

Acq: 02 Feb 2023 15:26

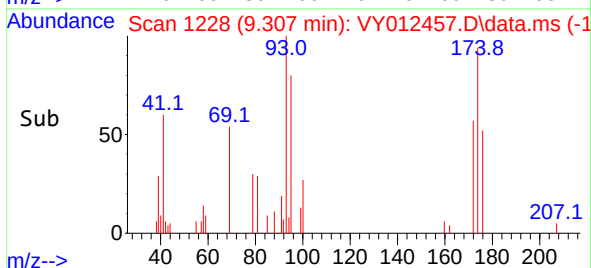
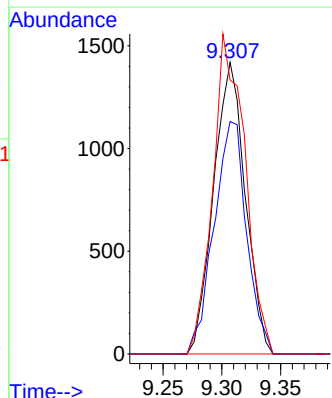
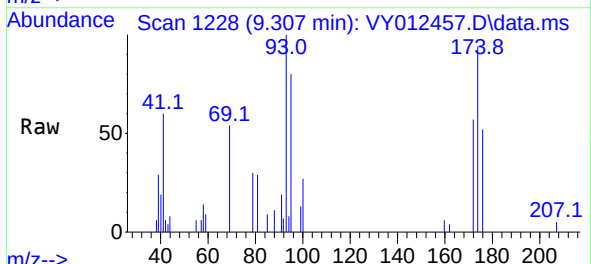
Tgt Ion: 93 Resp: 2665

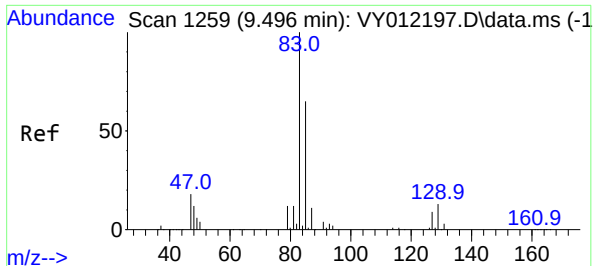
Ion Ratio Lower Upper

93 100

95 81.9 66.1 99.1

174 111.3 84.7 127.1

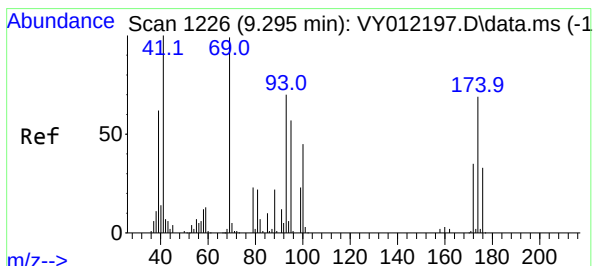
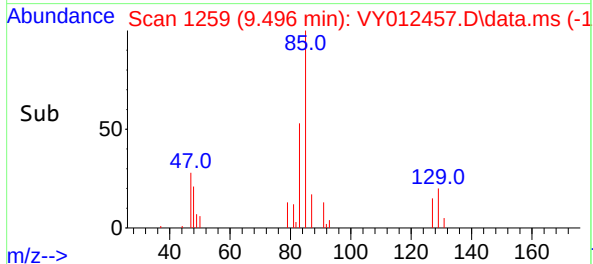
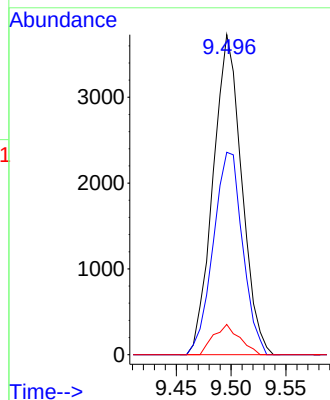
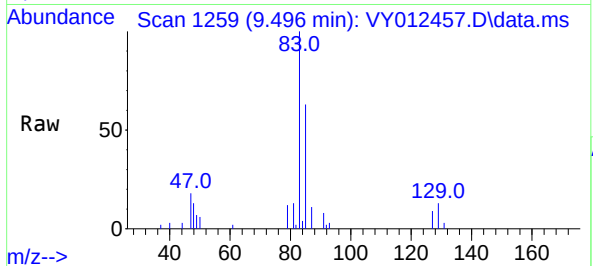




#47  
Bromodichloromethane  
Concen: 2.916 ug/l  
RT: 9.496 min Scan# 1259  
Delta R.T. -0.000 min  
Lab File: VY012457.D  
Acq: 02 Feb 2023 15:26

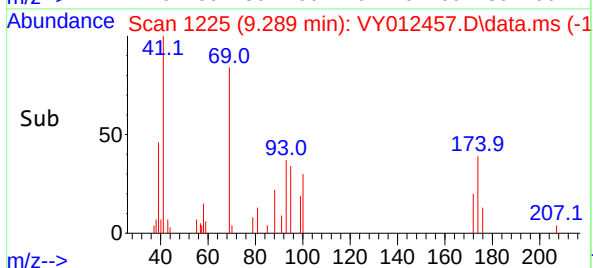
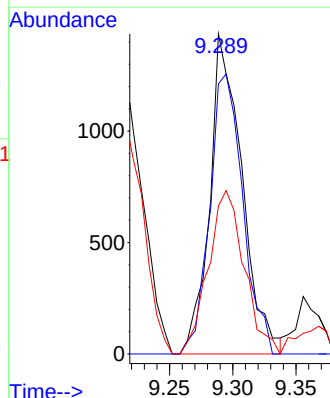
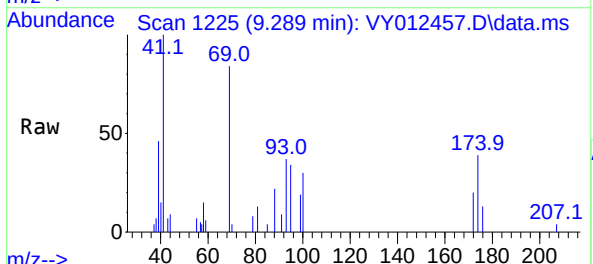
Instrument :  
MSVOA\_Y  
ClientSampleId :  
MDL07

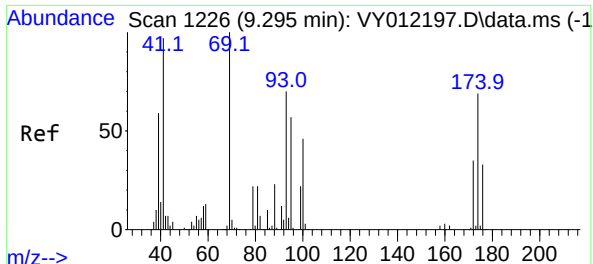
|             |            |       |      |
|-------------|------------|-------|------|
| Tgt Ion: 83 | Resp: 6777 |       |      |
| Ion Ratio   | Lower      | Upper |      |
| 83          | 100        |       |      |
| 85          | 63.3       | 52.0  | 78.0 |
| 127         | 9.5        | 7.3   | 10.9 |



#48  
Methyl methacrylate  
Concen: 2.940 ug/l  
RT: 9.289 min Scan# 1225  
Delta R.T. -0.006 min  
Lab File: VY012457.D  
Acq: 02 Feb 2023 15:26

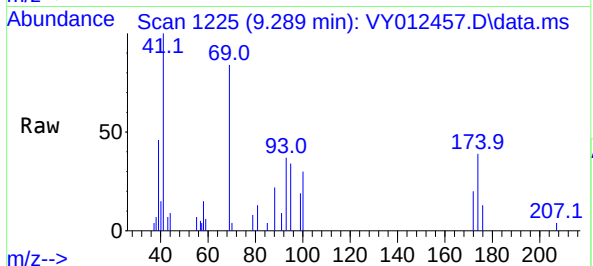
|             |             |
|-------------|-------------|
| Tgt Ion: 41 | Resp: 2544  |
| Ion Ratio   | Lower Upper |
| 41 100      |             |
| 69 89.9     | 74.2 111.2  |
| 39 57.0     | 46.3 69.5   |



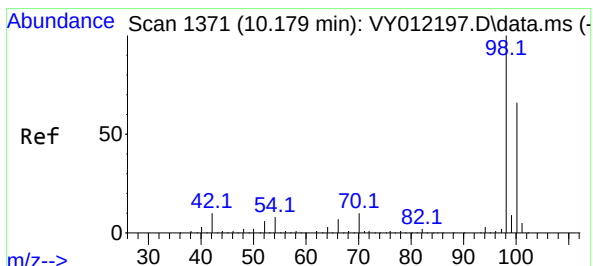
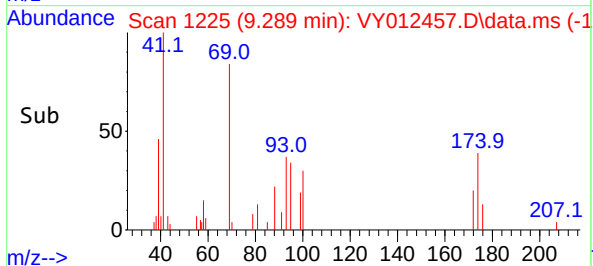
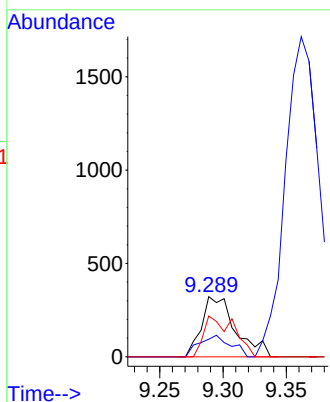


#49  
1,4-Dioxane  
Concen: 47.696 ug/l  
RT: 9.289 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY012457.D  
Acq: 02 Feb 2023 15:26

Instrument :  
MSVOA\_Y  
ClientSampleId :  
MDL07

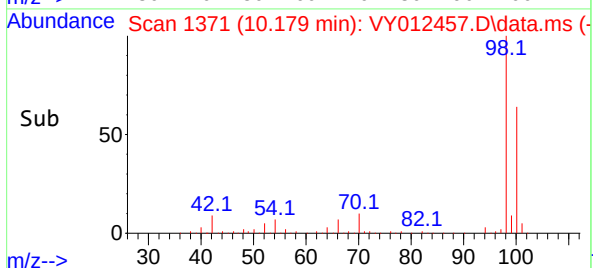
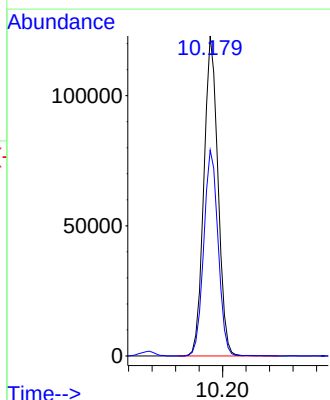
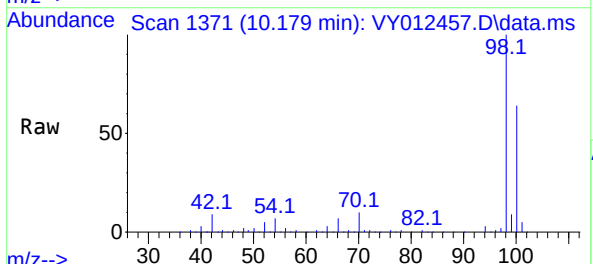


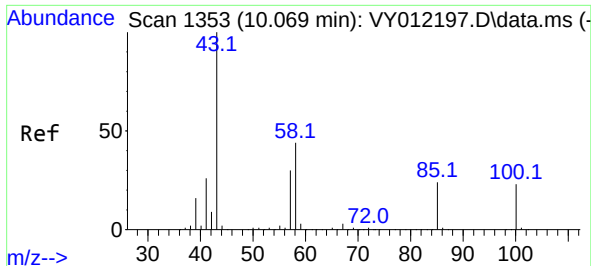
Tgt Ion: 88 Resp: 600  
Ion Ratio Lower Upper  
88 100  
43 33.2 26.2 39.2  
58 60.5 54.3 81.5



#50  
Toluene-d8  
Concen: 43.350 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY012457.D  
Acq: 02 Feb 2023 15:26

Tgt Ion: 98 Resp: 205053  
Ion Ratio Lower Upper  
98 100  
100 65.4 51.9 77.9

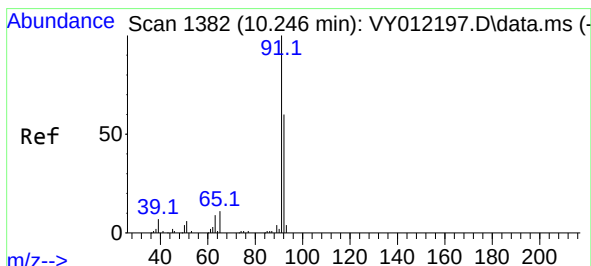
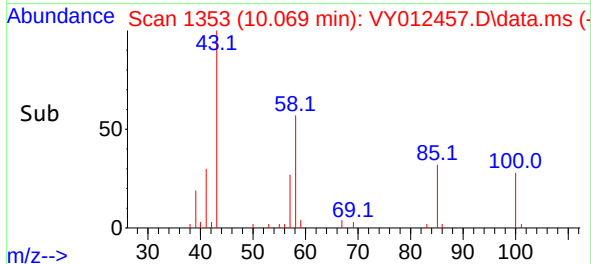
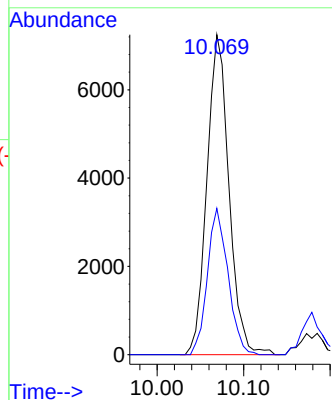
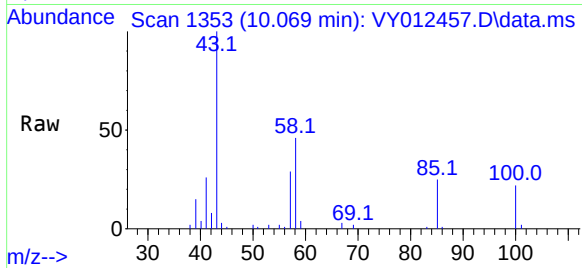




#51  
4-Methyl-2-Pentanone  
Concen: 12.801 ug/l  
RT: 10.069 min Scan# 1353  
Delta R.T. 0.000 min  
Lab File: VY012457.D  
Acq: 02 Feb 2023 15:26

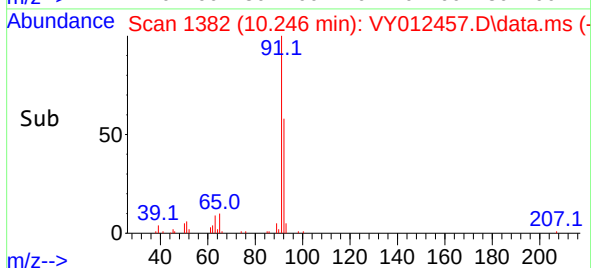
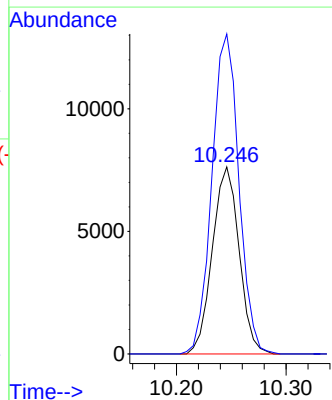
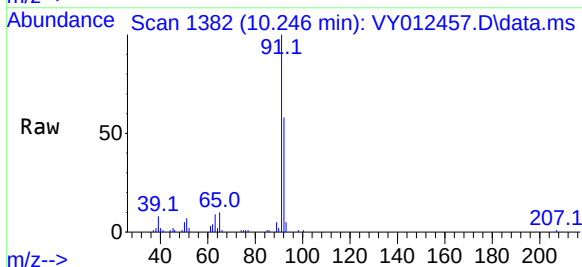
Instrument :  
MSVOA\_Y  
ClientSampleId :  
MDL07

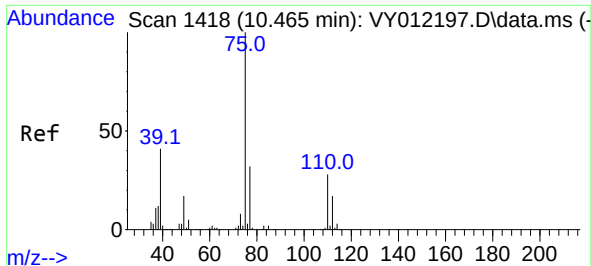
Tgt Ion: 43 Resp: 12819  
Ion Ratio Lower Upper  
43 100  
58 42.9 32.9 49.3



#52  
Toluene  
Concen: 2.940 ug/l  
RT: 10.246 min Scan# 1382  
Delta R.T. -0.000 min  
Lab File: VY012457.D  
Acq: 02 Feb 2023 15:26

Tgt Ion: 92 Resp: 12937  
Ion Ratio Lower Upper  
92 100  
91 172.4 137.4 206.0

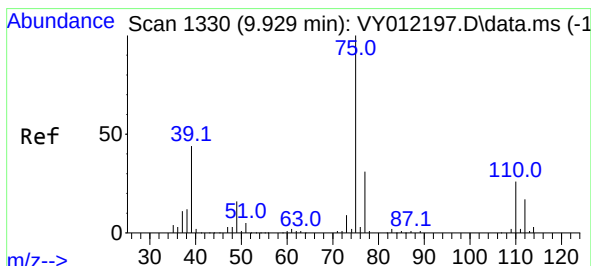
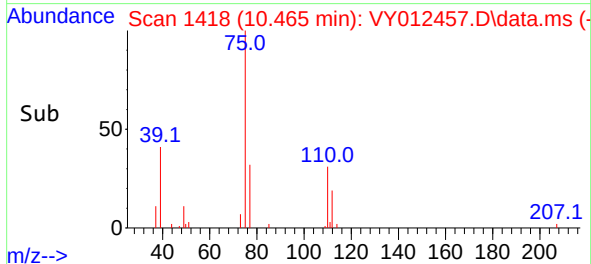
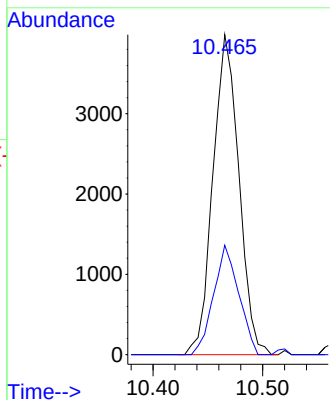
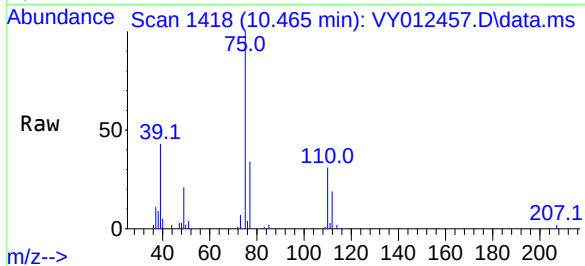




#53  
t-1,3-Dichloropropene  
Concen: 2.696 ug/l  
RT: 10.465 min Scan# 1418  
Delta R.T. 0.000 min  
Lab File: VY012457.D  
Acq: 02 Feb 2023 15:26

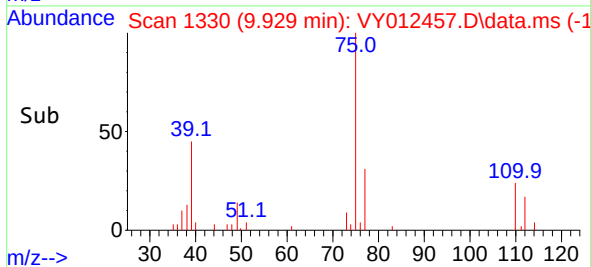
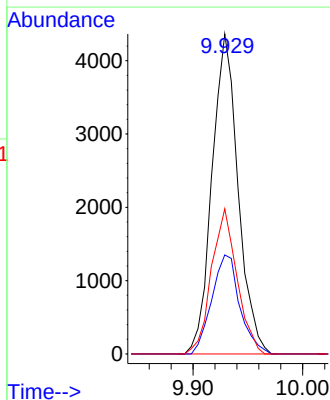
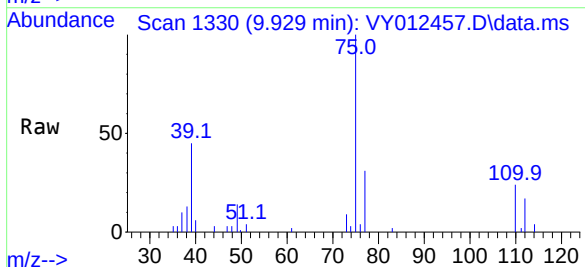
Instrument :  
MSVOA\_Y  
ClientSampleId :  
MDL07

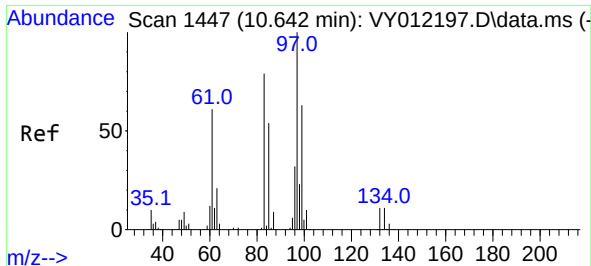
Tgt Ion: 75 Resp: 6554  
Ion Ratio Lower Upper  
75 100  
77 34.2 25.8 38.8



#54  
cis-1,3-Dichloropropene  
Concen: 2.751 ug/l  
RT: 9.929 min Scan# 1330  
Delta R.T. -0.000 min  
Lab File: VY012457.D  
Acq: 02 Feb 2023 15:26

Tgt Ion: 75 Resp: 7202  
Ion Ratio Lower Upper  
75 100  
77 31.0 25.9 38.9  
39 45.4 34.6 52.0



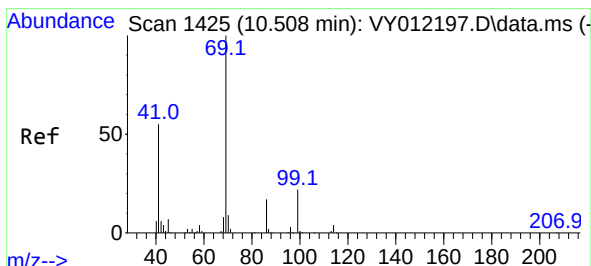
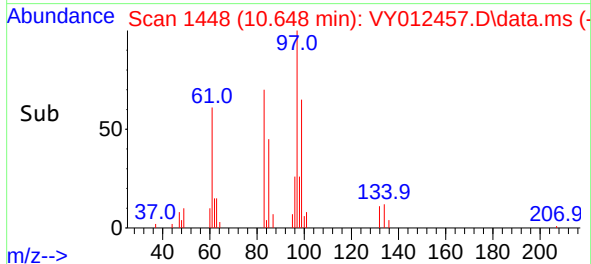
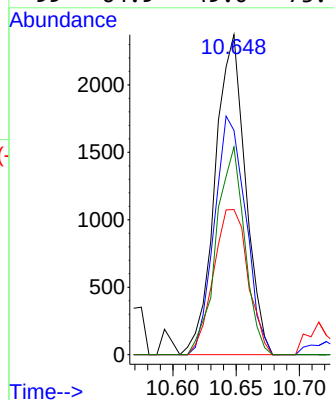
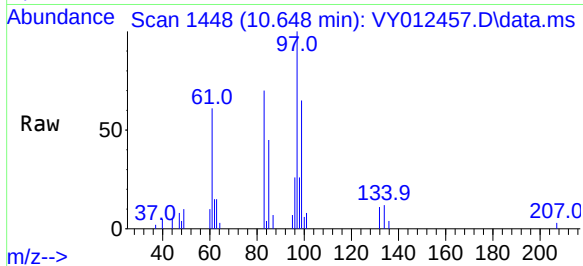


#55  
1,1,2-Trichloroethane  
Concen: 3.024 ug/l  
RT: 10.648 min Scan# 1447  
Delta R.T. 0.006 min  
Lab File: VY012457.D  
Acq: 02 Feb 2023 15:26

Instrument :  
MSVOA\_Y  
ClientSampleId :  
MDL07

Tgt Ion: 97 Resp: 3966

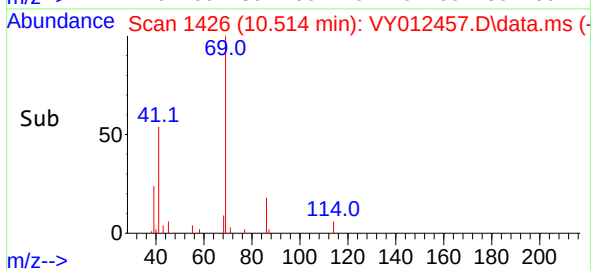
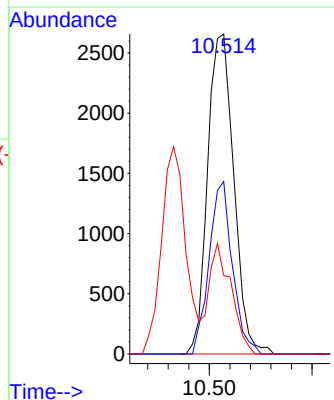
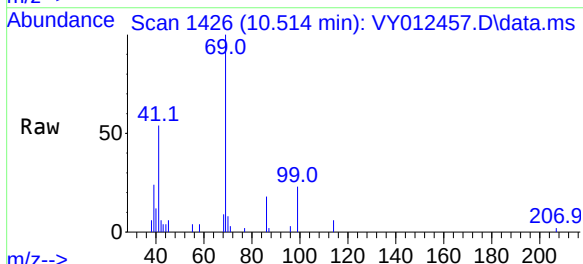
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 70.1  | 67.7  | 101.5 |
| 85  | 45.4  | 43.8  | 65.8  |
| 99  | 64.9  | 49.0  | 73.4  |



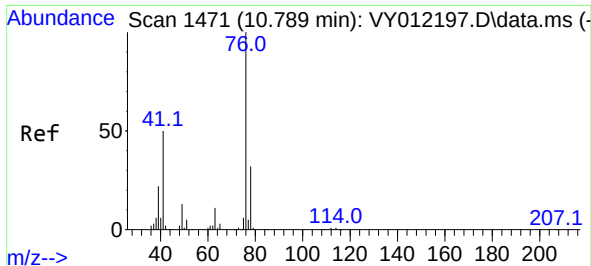
#56  
Ethyl methacrylate  
Concen: 2.732 ug/l  
RT: 10.514 min Scan# 1426  
Delta R.T. 0.006 min  
Lab File: VY012457.D  
Acq: 02 Feb 2023 15:26

Tgt Ion: 69 Resp: 4701

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 48.1  | 48.9  | 73.3# |
| 39  | 29.7  | 25.9  | 38.9  |







#57

1,3-Dichloropropane

Concen: 2.921 ug/l

RT: 10.794 min Scan# 1471

Delta R.T. 0.005 min

Lab File: VY012457.D

Acq: 02 Feb 2023 15:26

Instrument :

MSVOA\_Y

ClientSampleId :

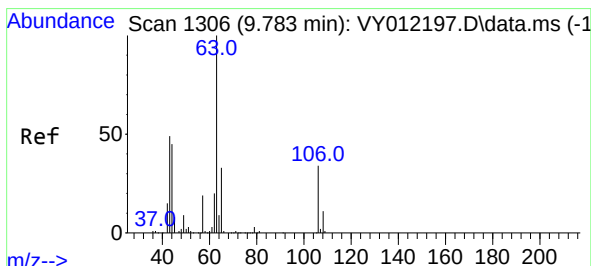
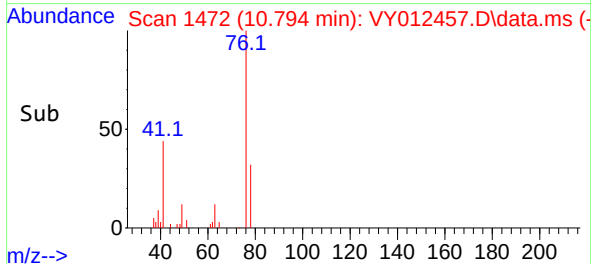
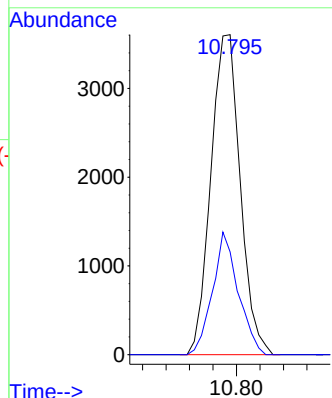
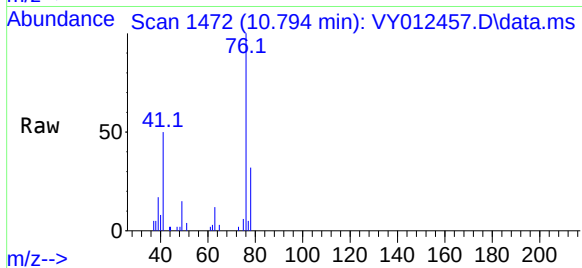
MDL07

Tgt Ion: 76 Resp: 6258

Ion Ratio Lower Upper

76 100

78 33.5 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 14.649 ug/l

RT: 9.782 min Scan# 1306

Delta R.T. -0.001 min

Lab File: VY012457.D

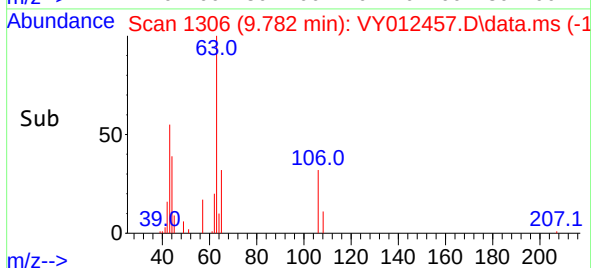
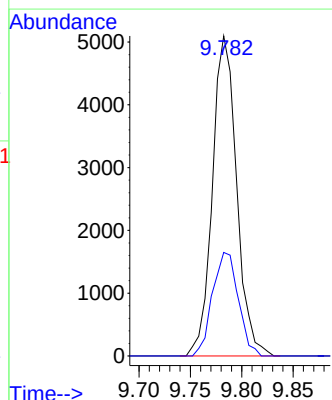
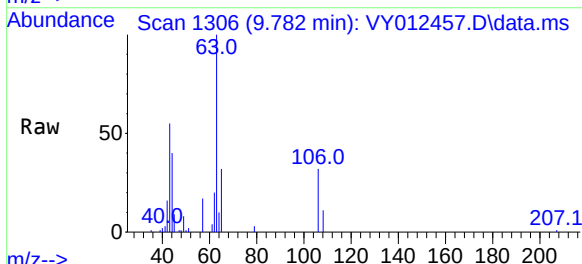
Acq: 02 Feb 2023 15:26

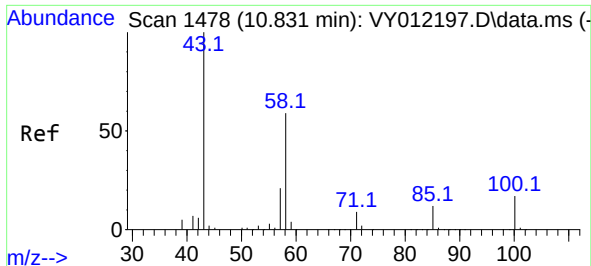
Tgt Ion: 63 Resp: 8341

Ion Ratio Lower Upper

63 100

106 34.5 23.2 34.8

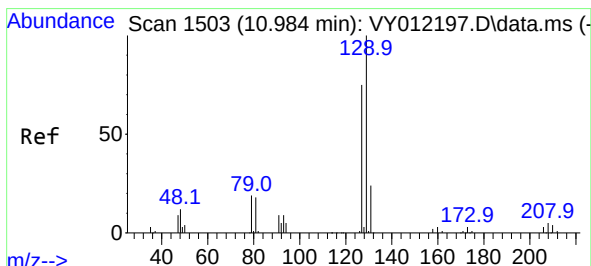
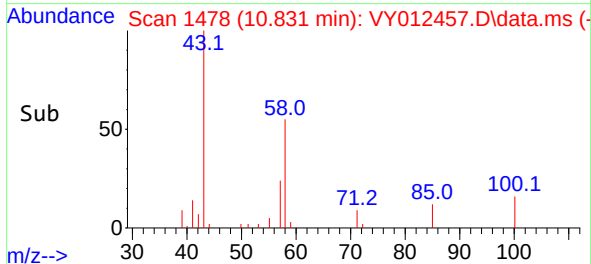
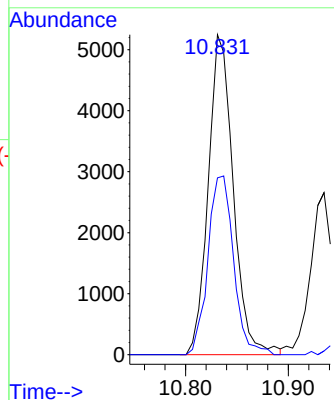
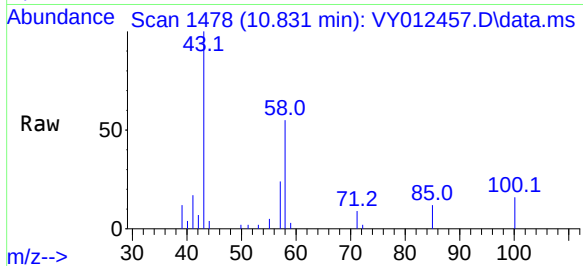




#59  
2-Hexanone  
Concen: 11.642 ug/l  
RT: 10.831 min Scan# 1478  
Delta R.T. 0.000 min  
Lab File: VY012457.D  
Acq: 02 Feb 2023 15:26

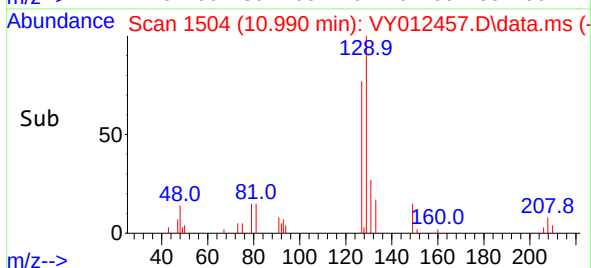
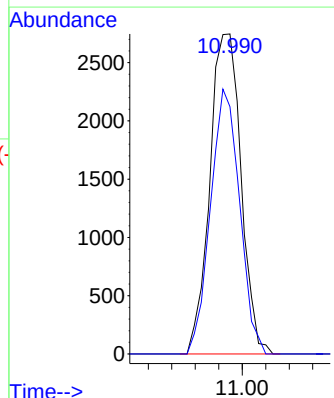
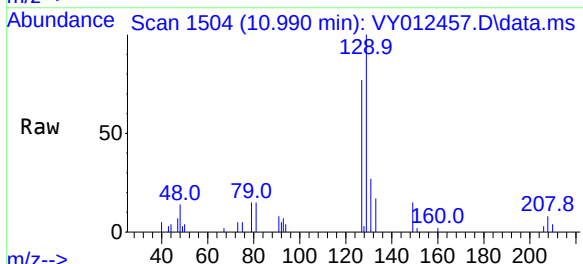
Instrument :  
MSVOA\_Y  
ClientSampleId :  
MDL07

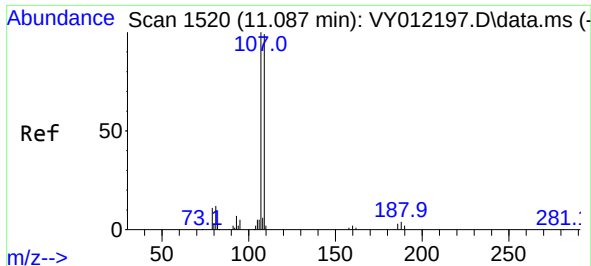
Tgt Ion: 43 Resp: 8876  
Ion Ratio Lower Upper  
43 100  
58 57.4 28.4 85.2



#60  
Dibromochloromethane  
Concen: 2.913 ug/l  
RT: 10.990 min Scan# 1504  
Delta R.T. 0.006 min  
Lab File: VY012457.D  
Acq: 02 Feb 2023 15:26

Tgt Ion: 129 Resp: 5067  
Ion Ratio Lower Upper  
129 100  
127 77.2 38.9 116.6

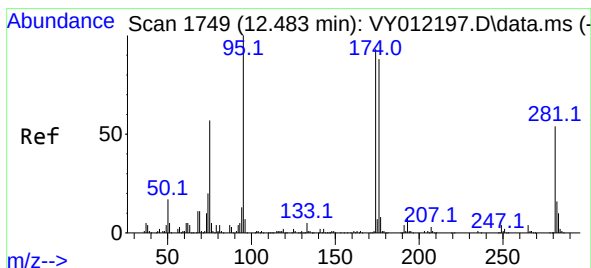
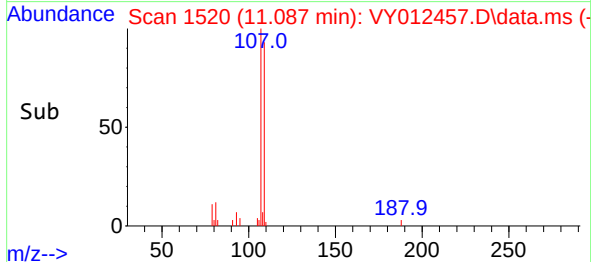
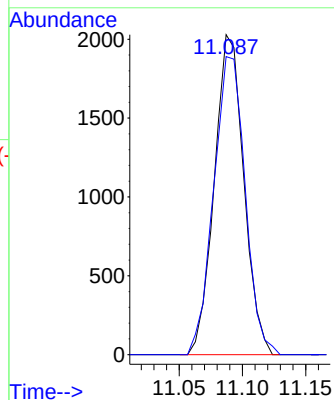
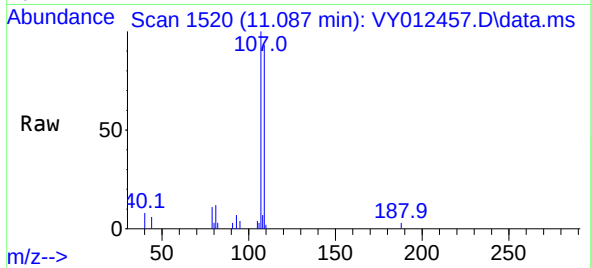




#61  
1,2-Dibromoethane  
Concen: 2.596 ug/l  
RT: 11.087 min Scan# 1520  
Delta R.T. 0.000 min  
Lab File: VY012457.D  
Acq: 02 Feb 2023 15:26

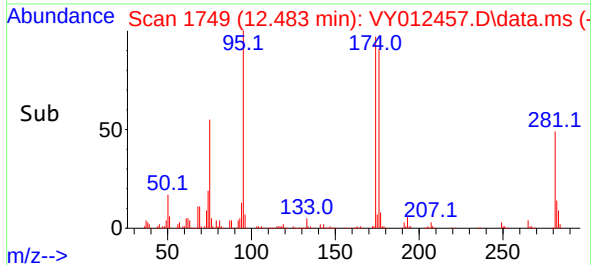
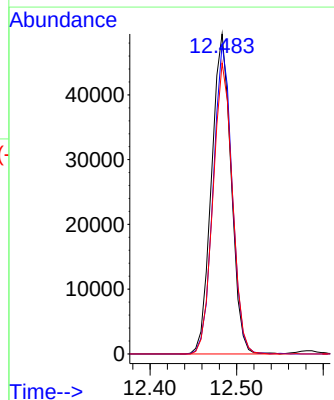
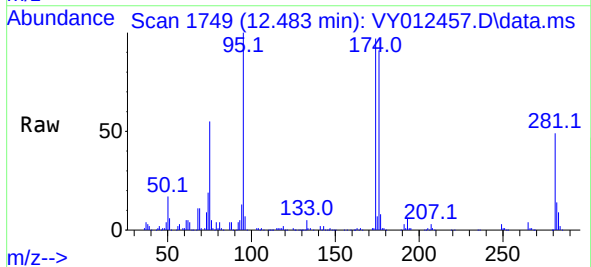
Instrument :  
MSVOA\_Y  
ClientSampleId :  
MDL07

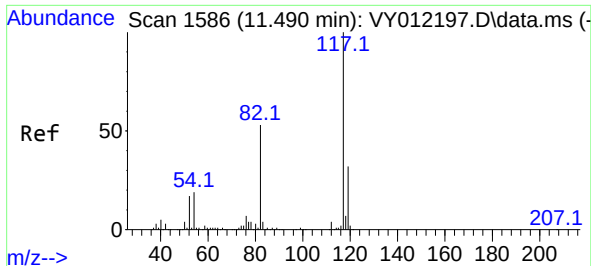
Tgt Ion:107 Resp: 3286  
Ion Ratio Lower Upper  
107 100  
109 99.6 75.8 113.6



#62  
4-Bromofluorobenzene  
Concen: 40.805 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY012457.D  
Acq: 02 Feb 2023 15:26

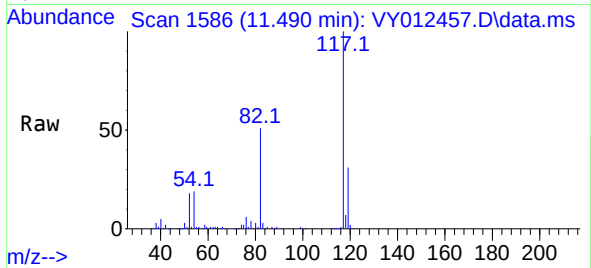
Tgt Ion: 95 Resp: 77501  
Ion Ratio Lower Upper  
95 100  
174 93.1 0.0 172.0  
176 89.9 0.0 167.6



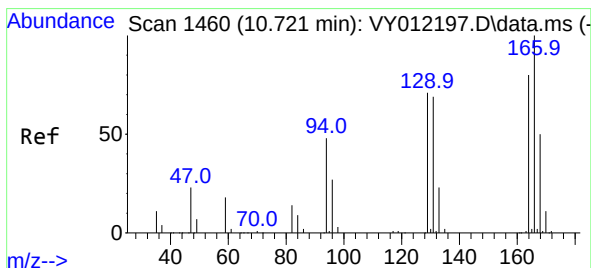
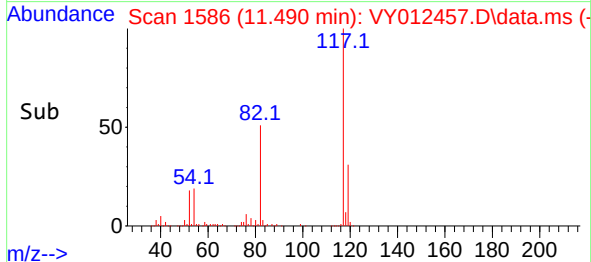
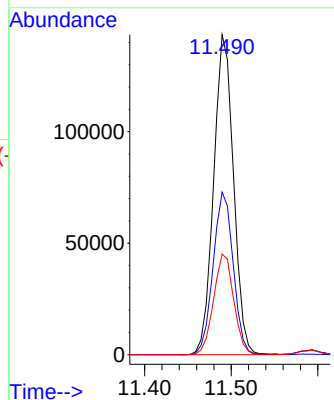


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 117  
Delta R.T. -0.001 min  
Lab File: VY012457.D  
Acq: 02 Feb 2023 15:26

Instrument :  
MSVOA\_Y  
ClientSampleId :  
MDL07

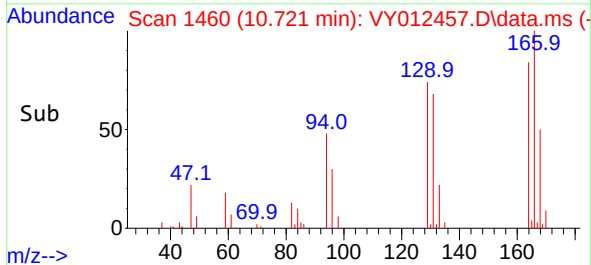
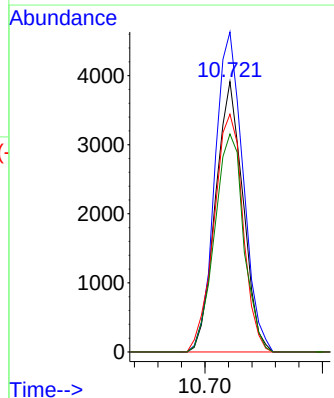
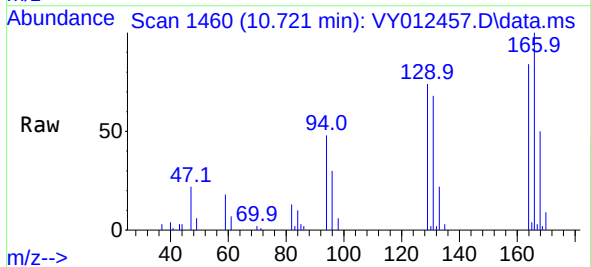


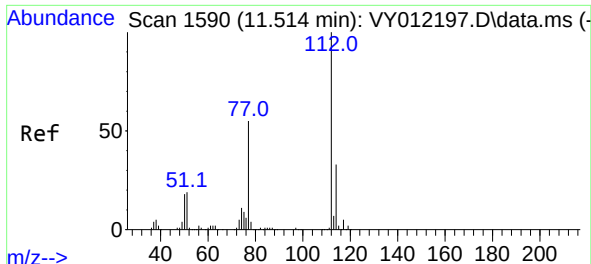
Tgt Ion:117 Resp: 228374  
Ion Ratio Lower Upper  
117 100  
82 50.8 44.8 67.2  
119 31.5 25.4 38.2



#64  
Tetrachloroethene  
Concen: 3.051 ug/l  
RT: 10.721 min Scan# 1460  
Delta R.T. 0.000 min  
Lab File: VY012457.D  
Acq: 02 Feb 2023 15:26

Tgt Ion:164 Resp: 6358  
Ion Ratio Lower Upper  
164 100  
166 118.4 102.3 153.5  
129 88.0 77.2 115.8  
131 80.6 72.5 108.7

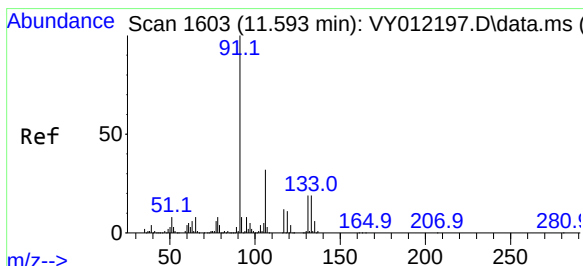
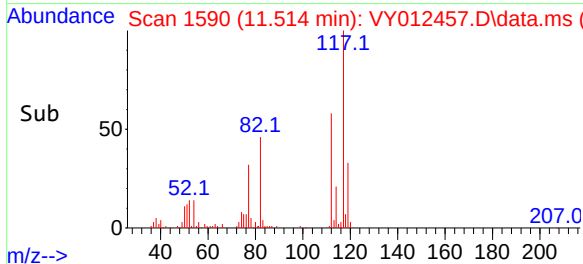
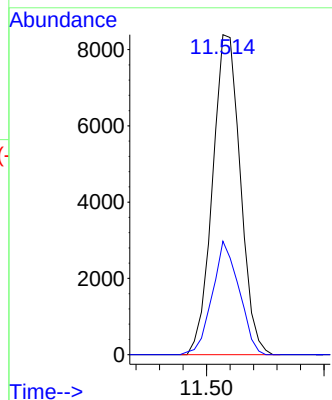
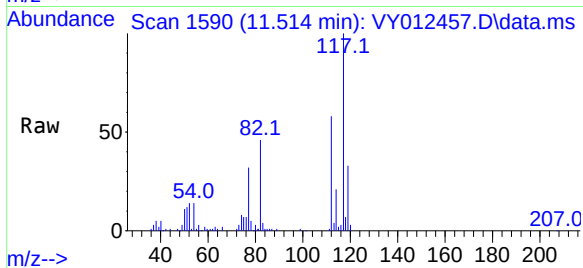




#65  
Chlorobenzene  
Concen: 2.949 ug/l  
RT: 11.514 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY012457.D  
Acq: 02 Feb 2023 15:26

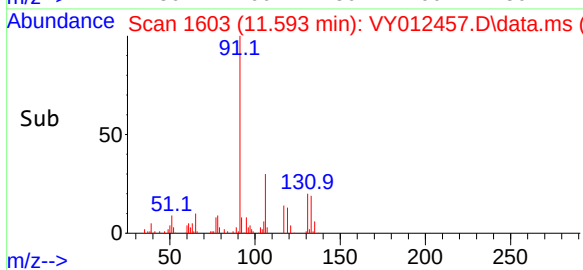
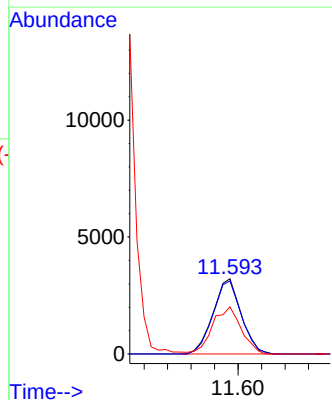
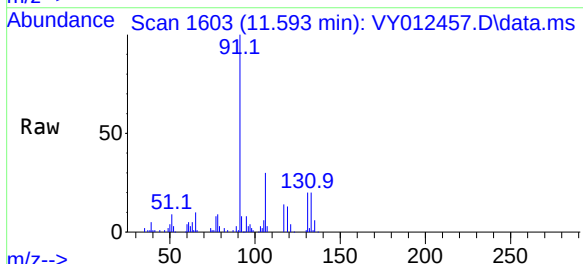
Instrument :  
MSVOA\_Y  
ClientSampleId :  
MDL07

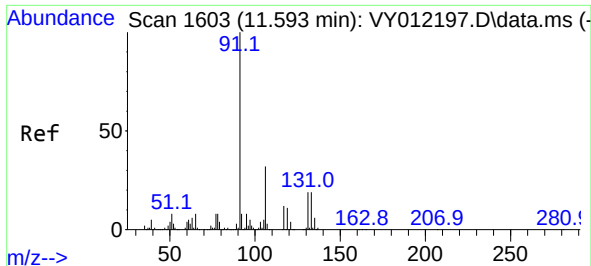
Tgt Ion:112 Resp: 13778  
Ion Ratio Lower Upper  
112 100  
114 35.4 25.3 37.9



#66  
1,1,1,2-Tetrachloroethane  
Concen: 3.027 ug/l  
RT: 11.593 min Scan# 1603  
Delta R.T. 0.006 min  
Lab File: VY012457.D  
Acq: 02 Feb 2023 15:26

Tgt Ion:131 Resp: 5338  
Ion Ratio Lower Upper  
131 100  
133 97.3 47.3 142.0  
119 63.8 32.1 96.3





#67

Ethyl Benzene

Concen: 2.920 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. 0.000 min

Lab File: VY012457.D

Acq: 02 Feb 2023 15:26

Instrument :

MSVOA\_Y

ClientSampleId :

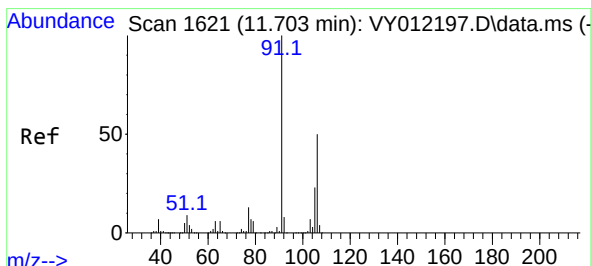
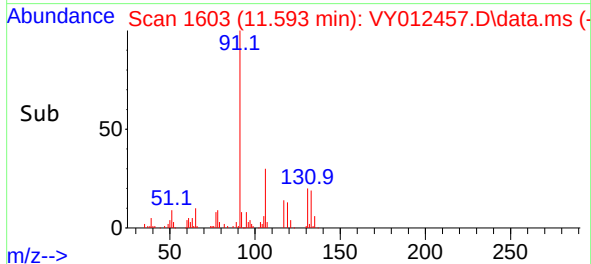
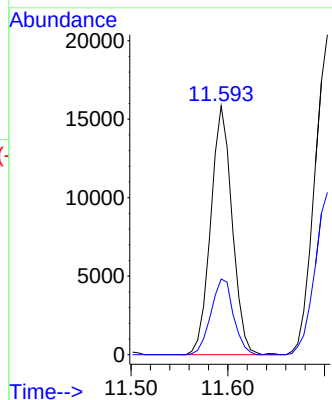
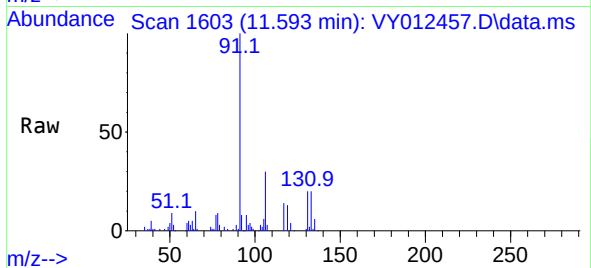
MDL07

Tgt Ion: 91 Resp: 24382

Ion Ratio Lower Upper

91 100

106 30.4 25.0 37.4



#68

m/p-Xylenes

Concen: 5.645 ug/l

RT: 11.703 min Scan# 1621

Delta R.T. -0.000 min

Lab File: VY012457.D

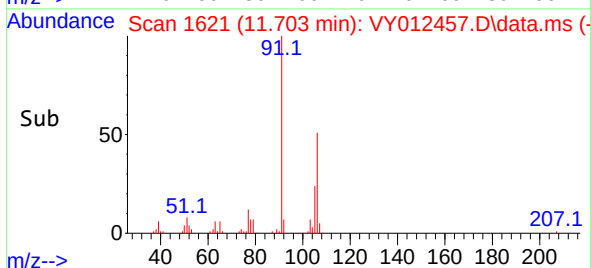
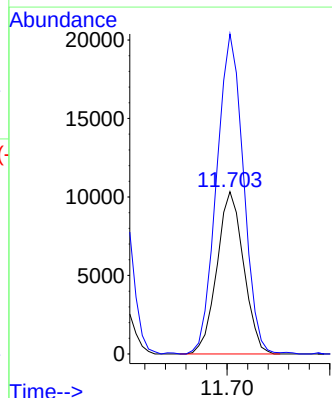
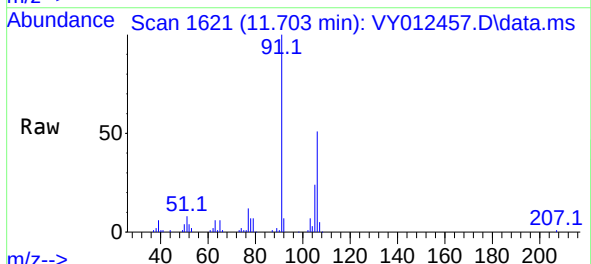
Acq: 02 Feb 2023 15:26

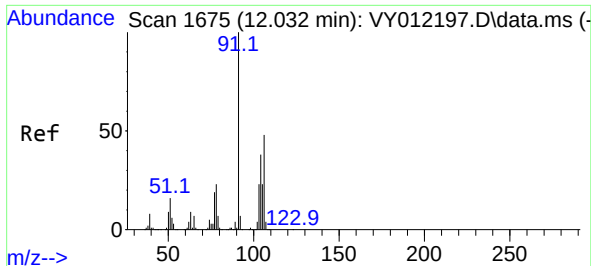
Tgt Ion: 106 Resp: 18638

Ion Ratio Lower Upper

106 100

91 198.3 162.5 243.7

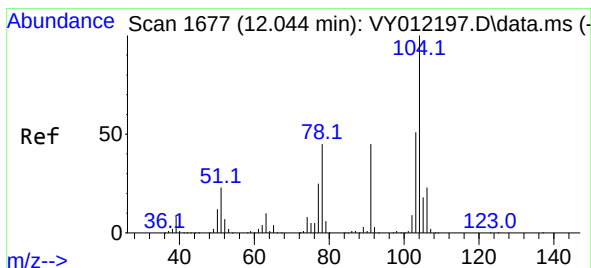
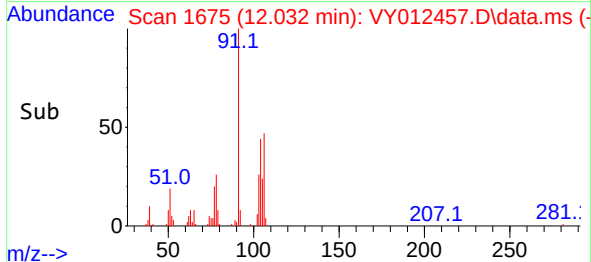
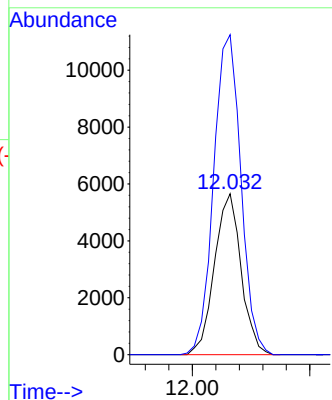
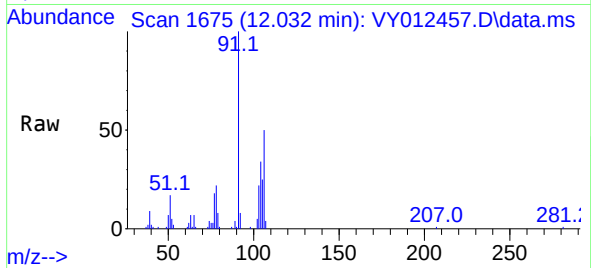




#69  
o-Xylene  
Concen: 2.825 ug/l  
RT: 12.032 min Scan# 1675  
Delta R.T. 0.006 min  
Lab File: VY012457.D  
Acq: 02 Feb 2023 15:26

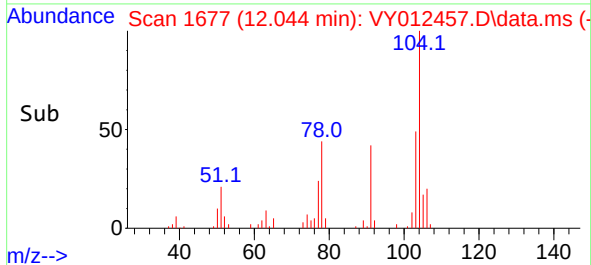
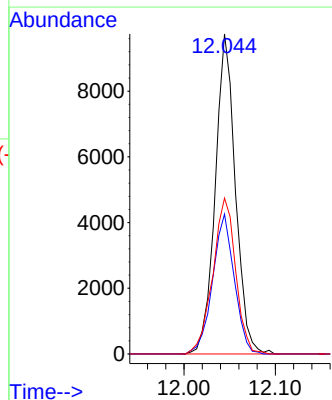
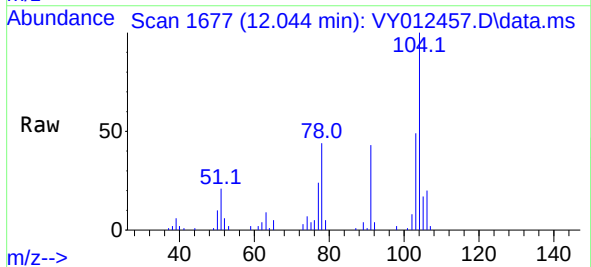
Instrument :  
MSVOA\_Y  
ClientSampleId :  
MDL07

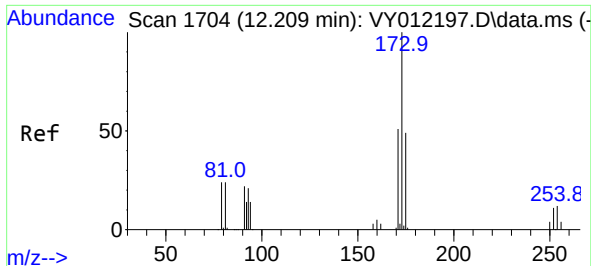
Tgt Ion:106 Resp: 8909  
Ion Ratio Lower Upper  
106 100  
91 203.4 107.5 322.4



#70  
Styrene  
Concen: 2.838 ug/l  
RT: 12.044 min Scan# 1677  
Delta R.T. 0.000 min  
Lab File: VY012457.D  
Acq: 02 Feb 2023 15:26

Tgt Ion:104 Resp: 14954  
Ion Ratio Lower Upper  
104 100  
78 46.9 39.4 59.0  
103 55.0 43.0 64.4

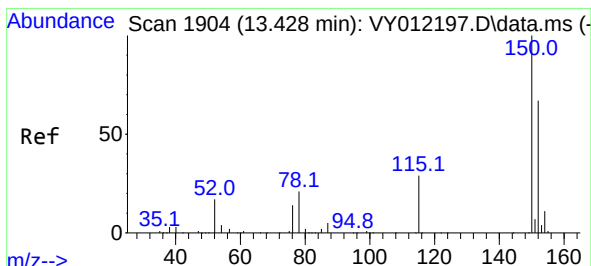
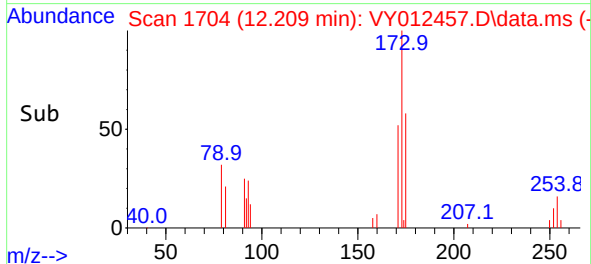
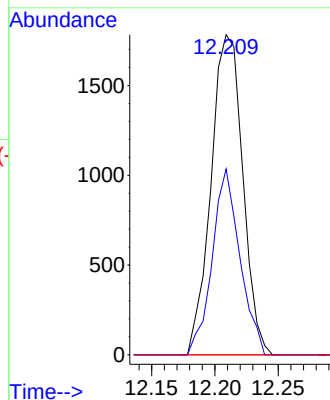
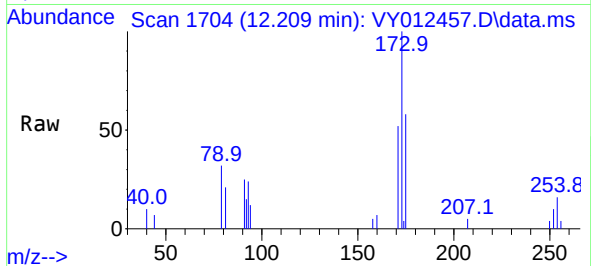




#71  
Bromoform  
Concen: 2.763 ug/l  
RT: 12.209 min Scan# 1704  
Delta R.T. -0.000 min  
Lab File: VY012457.D  
Acq: 02 Feb 2023 15:26

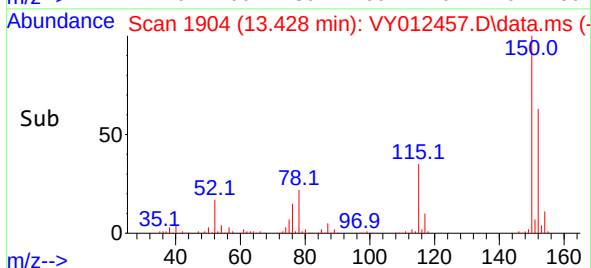
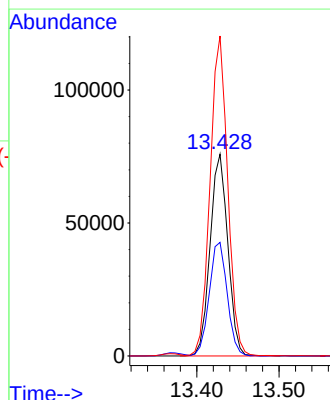
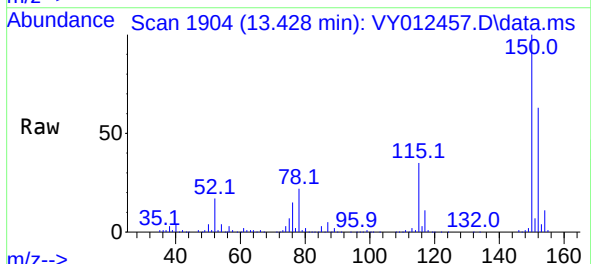
Instrument :  
MSVOA\_Y  
ClientSampleId :  
MDL07

Tgt Ion:173 Resp: 3113  
Ion Ratio Lower Upper  
173 100  
175 50.6 23.8 71.5  
254 0.0 0.1 0.1#

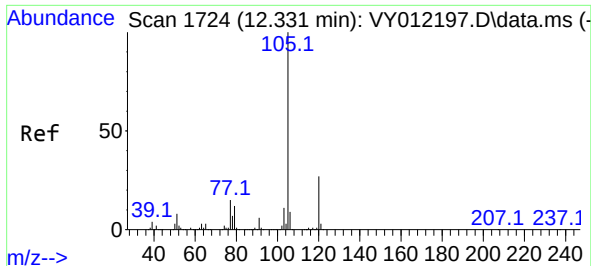


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.006 min  
Lab File: VY012457.D  
Acq: 02 Feb 2023 15:26

Tgt Ion:152 Resp: 113718  
Ion Ratio Lower Upper  
152 100  
115 57.1 29.1 87.3  
150 157.1 0.0 342.6



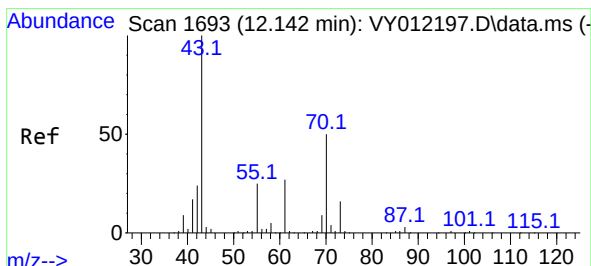
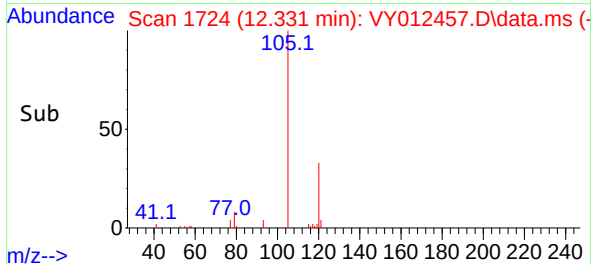
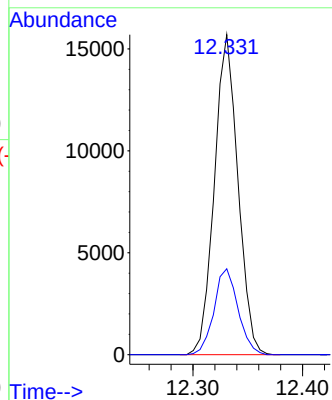
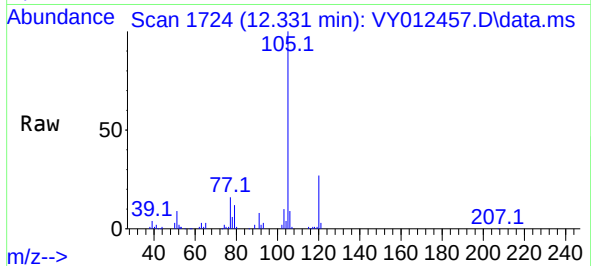




#73  
Isopropylbenzene  
Concen: 2.857 ug/l  
RT: 12.331 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY012457.D  
Acq: 02 Feb 2023 15:26

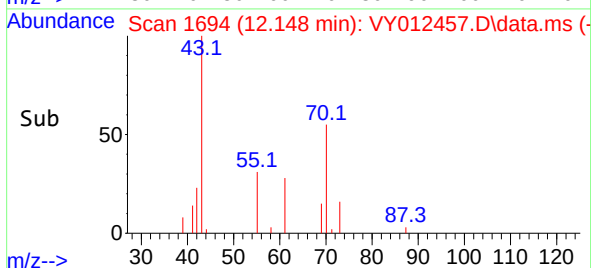
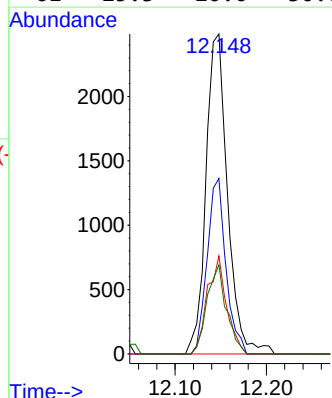
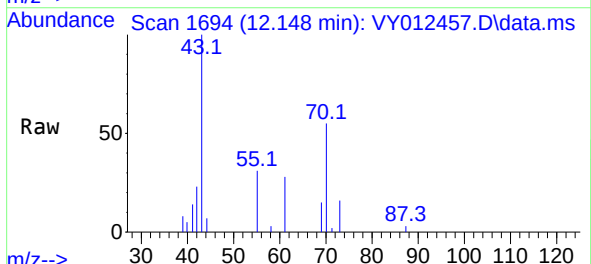
Instrument :  
MSVOA\_Y  
ClientSampleId :  
MDL07

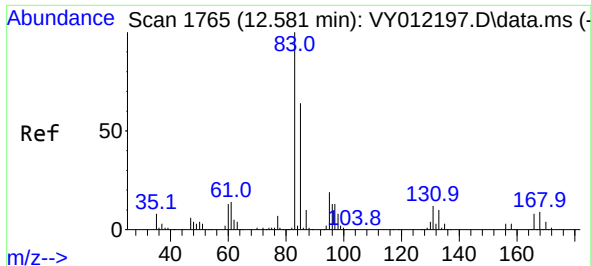
Tgt Ion:105 Resp: 23428  
Ion Ratio Lower Upper  
105 100  
120 27.4 13.2 39.6



#74  
N-ethyl acetate  
Concen: 2.539 ug/l  
RT: 12.148 min Scan# 1694  
Delta R.T. 0.006 min  
Lab File: VY012457.D  
Acq: 02 Feb 2023 15:26

Tgt Ion: 43 Resp: 4082  
Ion Ratio Lower Upper  
43 100  
70 47.8 35.8 53.8  
55 27.0 21.0 31.4  
61 25.3 20.0 30.0

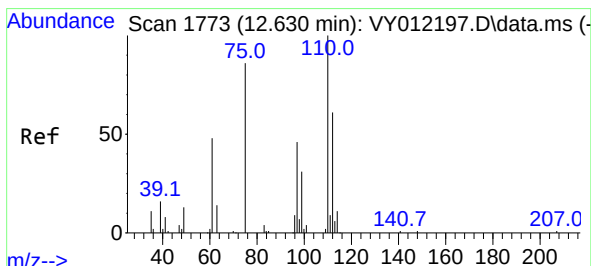
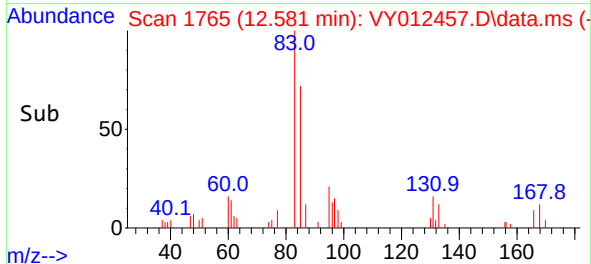
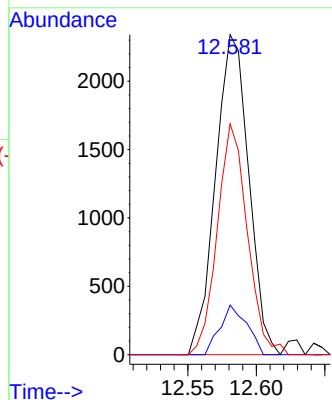
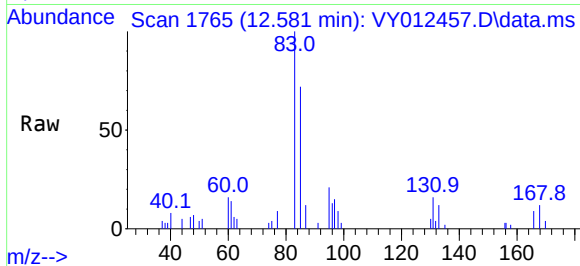




#75  
1,1,2,2-Tetrachloroethane  
Concen: 3.054 ug/l  
RT: 12.581 min Scan# 1765  
Delta R.T. -0.000 min  
Lab File: VY012457.D  
Acq: 02 Feb 2023 15:26

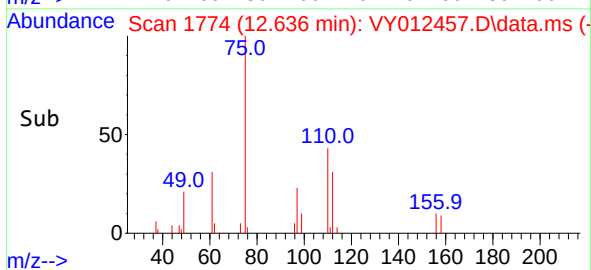
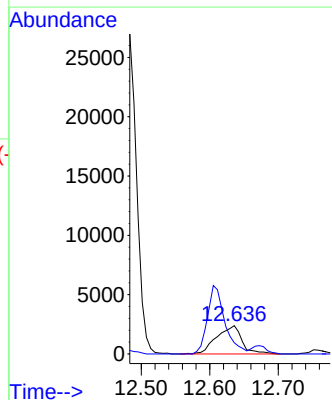
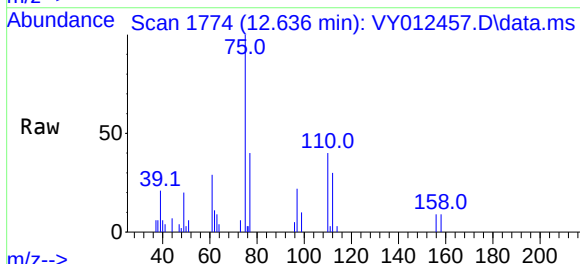
Instrument :  
MSVOA\_Y  
ClientSampleId :  
MDL07

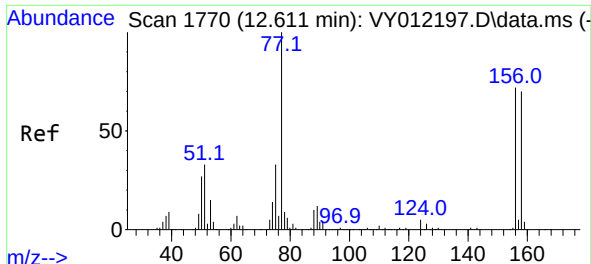
Tgt Ion: 83 Resp: 3945  
Ion Ratio Lower Upper  
83 100  
131 12.5 5.6 16.8  
85 65.3 32.3 96.8



#76  
1,2,3-Trichloropropane  
Concen: 5.833 ug/l  
RT: 12.636 min Scan# 1774  
Delta R.T. 0.006 min  
Lab File: VY012457.D  
Acq: 02 Feb 2023 15:26

Tgt Ion: 75 Resp: 6099  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0

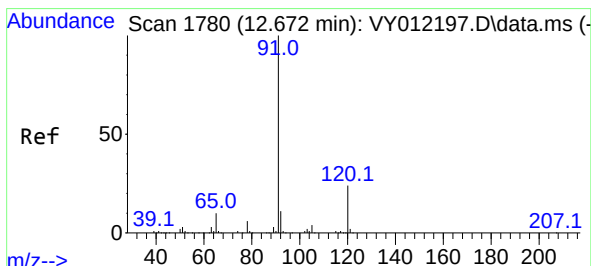
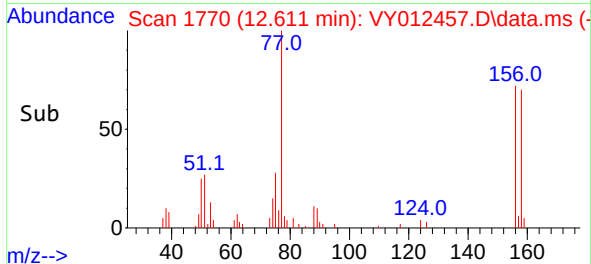
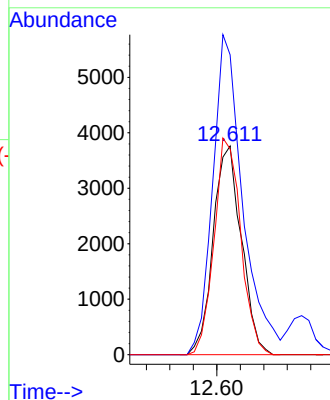
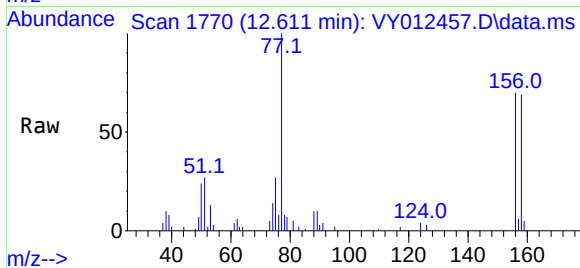




#77  
Bromobenzene  
Concen: 3.184 ug/l  
RT: 12.611 min Scan# 1770  
Delta R.T. 0.006 min  
Lab File: VY012457.D  
Acq: 02 Feb 2023 15:26

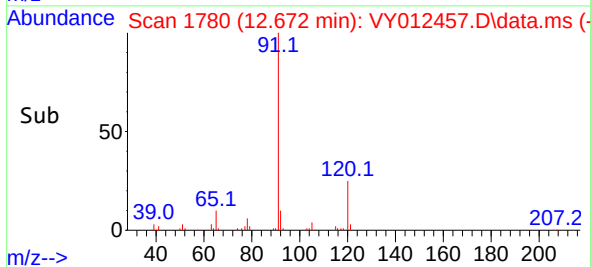
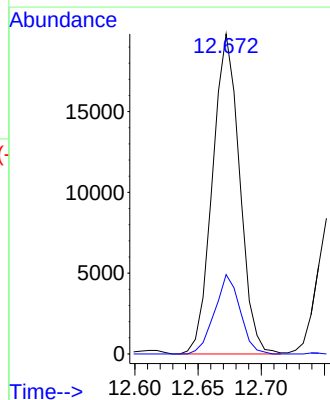
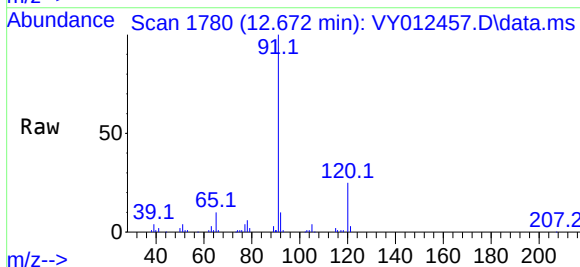
Instrument :  
MSVOA\_Y  
ClientSampleId :  
MDL07

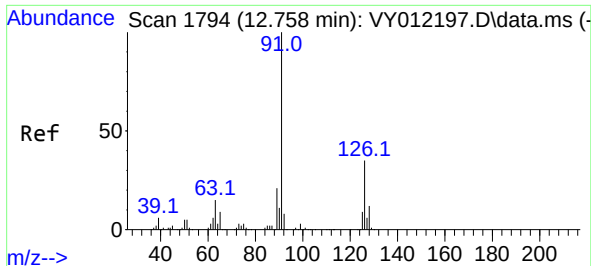
Tgt Ion:156 Resp: 6283  
Ion Ratio Lower Upper  
156 100  
77 162.8 90.0 270.0  
158 98.1 48.4 145.2



#78  
n-propylbenzene  
Concen: 3.076 ug/l  
RT: 12.672 min Scan# 1780  
Delta R.T. 0.000 min  
Lab File: VY012457.D  
Acq: 02 Feb 2023 15:26

Tgt Ion: 91 Resp: 29515  
Ion Ratio Lower Upper  
91 100  
120 23.2 11.8 35.4

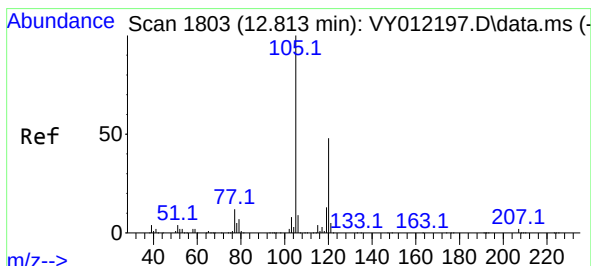
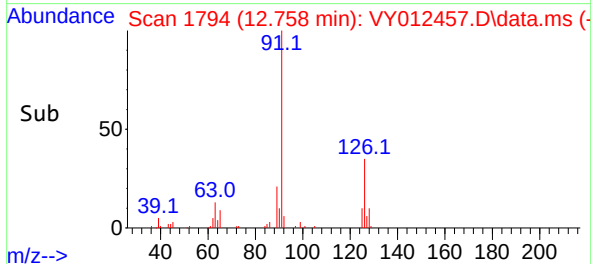
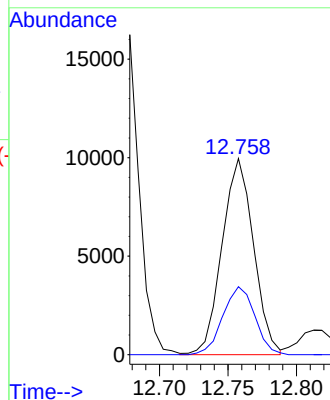
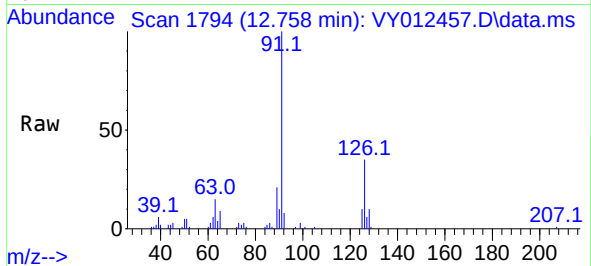




#79  
2-Chlorotoluene  
Concen: 2.938 ug/l  
RT: 12.758 min Scan# 1794  
Delta R.T. -0.000 min  
Lab File: VY012457.D  
Acq: 02 Feb 2023 15:26

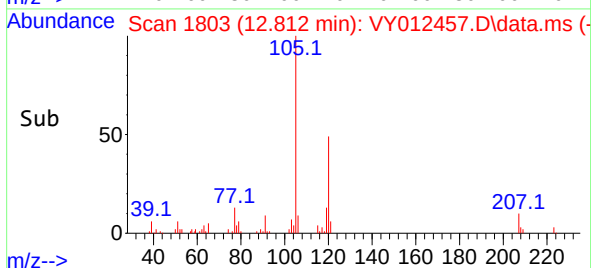
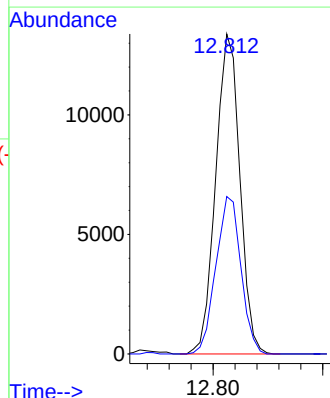
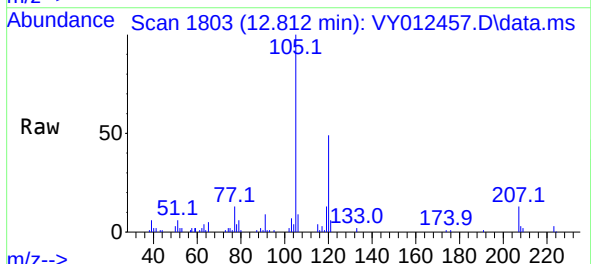
Instrument :  
MSVOA\_Y  
ClientSampleId :  
MDL07

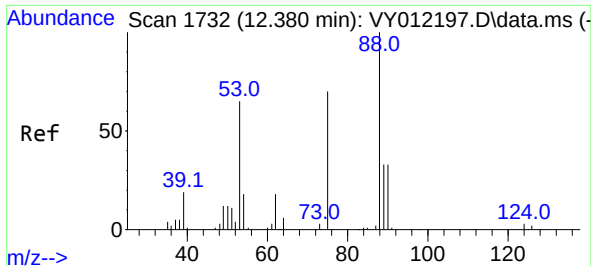
Tgt Ion: 91 Resp: 15940  
Ion Ratio Lower Upper  
91 100  
126 35.2 17.2 51.5



#80  
1,3,5-Trimethylbenzene  
Concen: 2.874 ug/l  
RT: 12.812 min Scan# 1803  
Delta R.T. -0.001 min  
Lab File: VY012457.D  
Acq: 02 Feb 2023 15:26

Tgt Ion: 105 Resp: 20485  
Ion Ratio Lower Upper  
105 100  
120 51.0 24.2 72.6

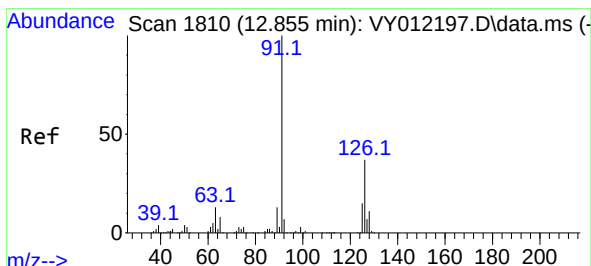
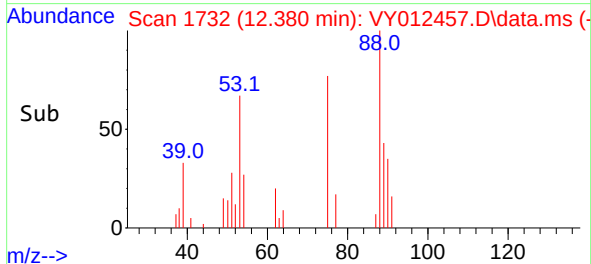
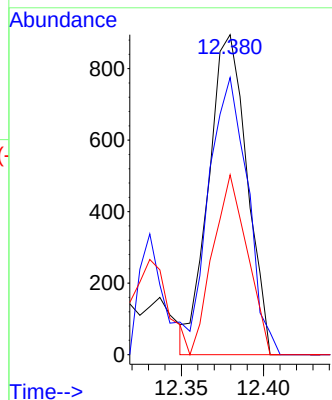
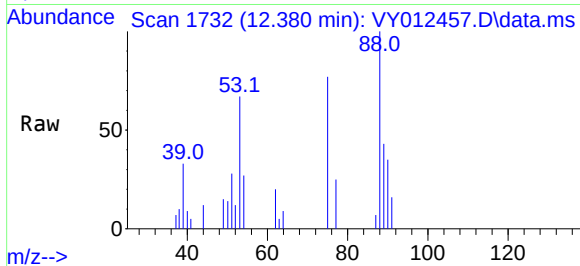




#81  
trans-1,4-Dichloro-2-butene  
Concen: 2.857 ug/l  
RT: 12.380 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY012457.D  
Acq: 02 Feb 2023 15:26

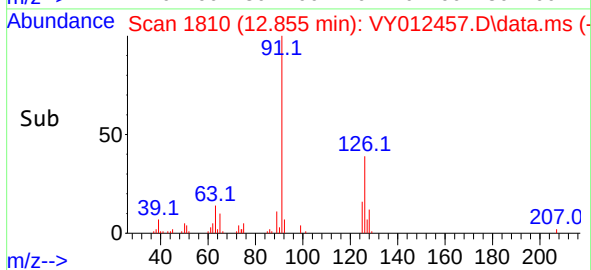
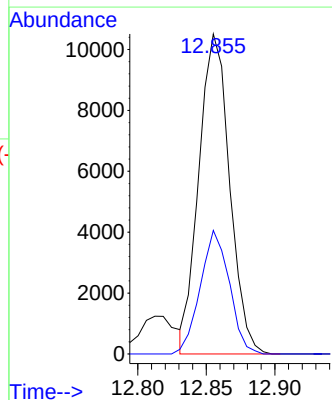
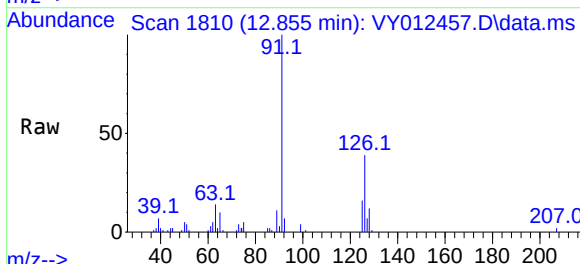
Instrument :  
MSVOA\_Y  
ClientSampleId :  
MDL07

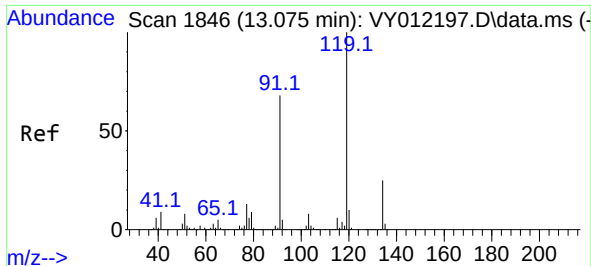
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 1450  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 86.2  | 72.5  | 108.7 |
| 89       | 50.3  | 37.0  | 55.4  |



#82  
4-Chlorotoluene  
Concen: 2.876 ug/l  
RT: 12.855 min Scan# 1810  
Delta R.T. 0.000 min  
Lab File: VY012457.D  
Acq: 02 Feb 2023 15:26

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 16392 |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 126      | 36.5  | 17.1  | 51.2  |

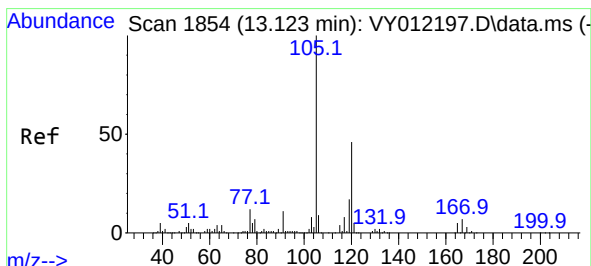
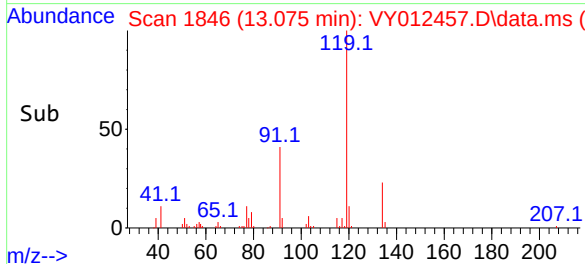
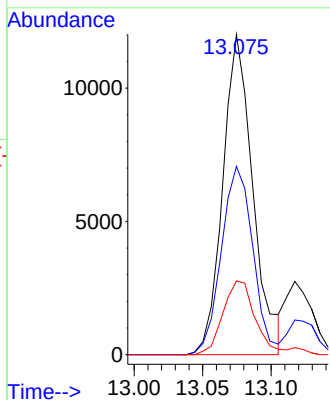
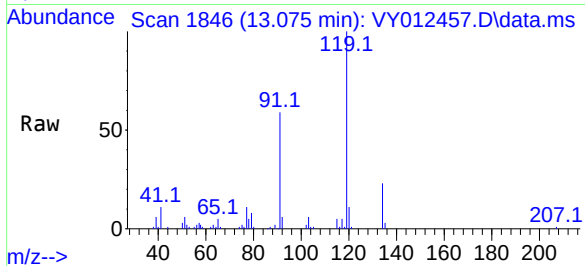




#83  
tert-Butylbenzene  
Concen: 2.959 ug/l  
RT: 13.075 min Scan# 119  
Delta R.T. -0.000 min  
Lab File: VY012457.D  
Acq: 02 Feb 2023 15:26

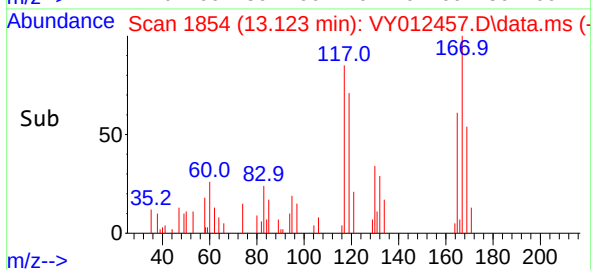
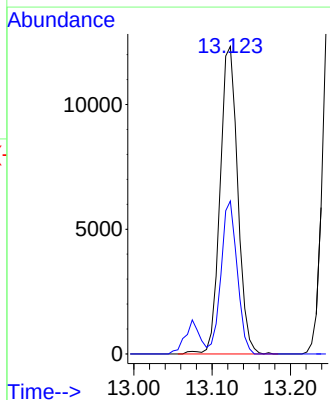
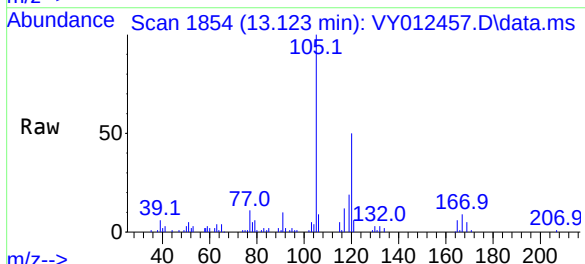
Instrument :  
MSVOA\_Y  
ClientSampleId :  
MDL07

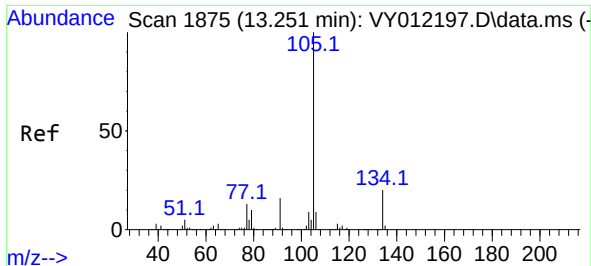
Tgt Ion:119 Resp: 18386  
Ion Ratio Lower Upper  
119 100  
91 61.6 32.3 96.8  
134 25.6 13.0 39.0



#84  
1,2,4-Trimethylbenzene  
Concen: 2.749 ug/l  
RT: 13.123 min Scan# 1854  
Delta R.T. 0.006 min  
Lab File: VY012457.D  
Acq: 02 Feb 2023 15:26

Tgt Ion:105 Resp: 19327  
Ion Ratio Lower Upper  
105 100  
120 45.5 22.9 68.7

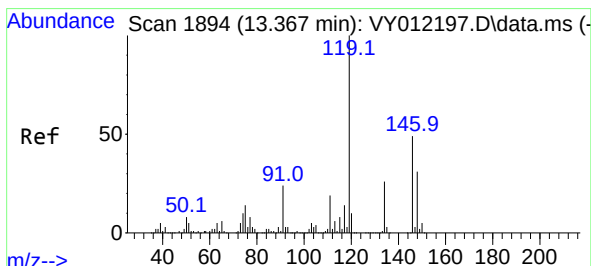
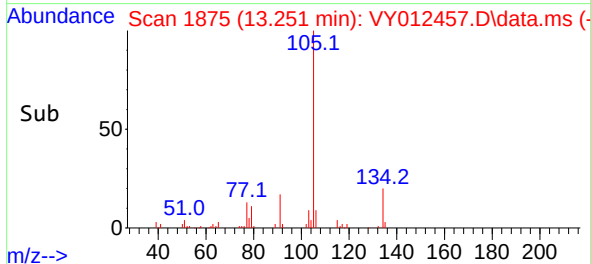
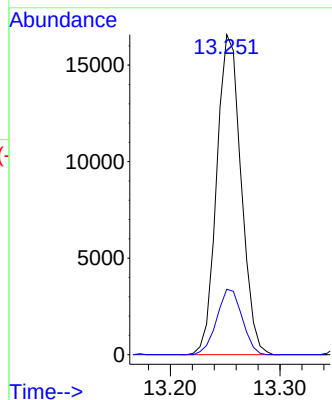
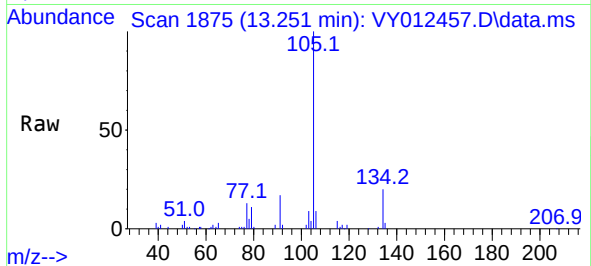




#85  
 sec-Butylbenzene  
 Concen: 2.898 ug/l  
 RT: 13.251 min Scan# 1875  
 Delta R.T. 0.000 min  
 Lab File: VY012457.D  
 Acq: 02 Feb 2023 15:26

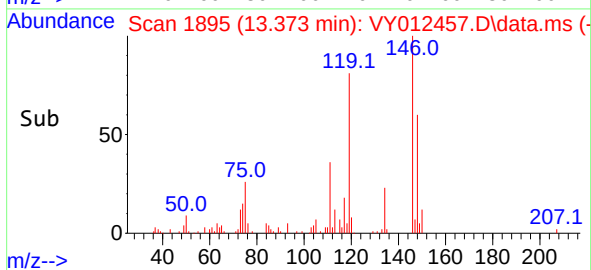
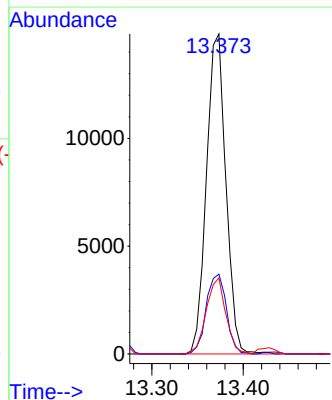
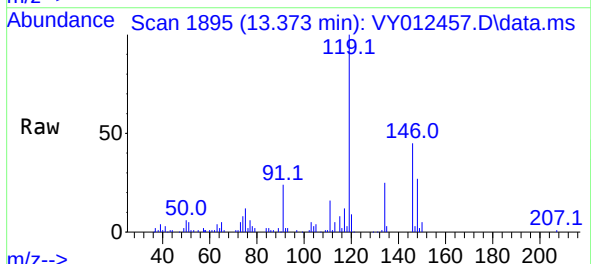
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 MDL07

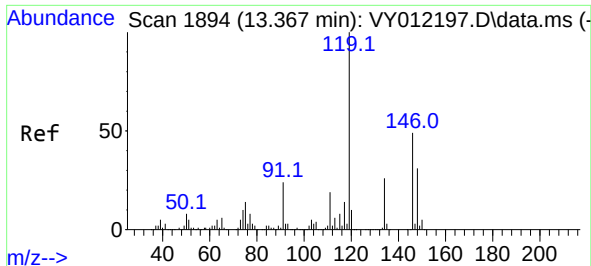
Tgt Ion:105 Resp: 25637  
 Ion Ratio Lower Upper  
 105 100  
 134 21.2 10.1 30.3



#86  
 p-Isopropyltoluene  
 Concen: 2.832 ug/l  
 RT: 13.373 min Scan# 1895  
 Delta R.T. 0.006 min  
 Lab File: VY012457.D  
 Acq: 02 Feb 2023 15:26

Tgt Ion:119 Resp: 21885  
 Ion Ratio Lower Upper  
 119 100  
 134 25.8 13.0 39.0  
 91 24.0 11.9 35.9

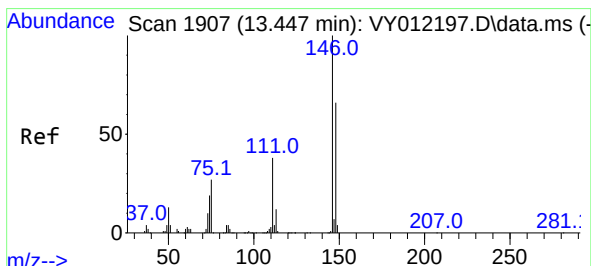
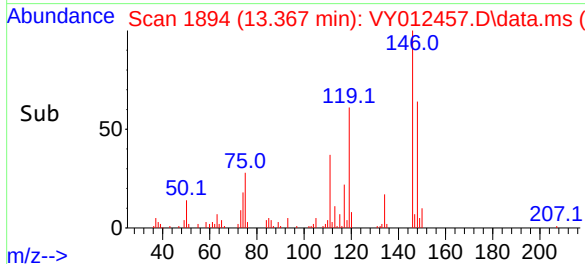
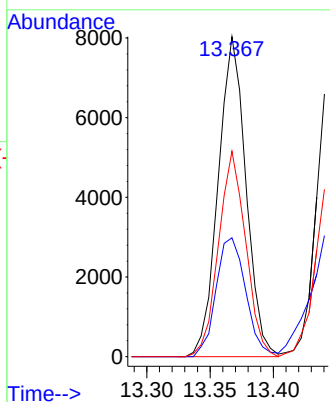
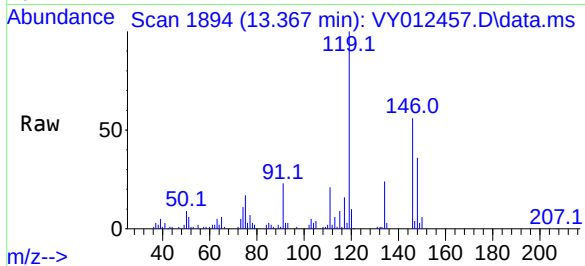




#87  
1,3-Dichlorobenzene  
Concen: 3.123 ug/l  
RT: 13.367 min Scan# 1894  
Delta R.T. 0.000 min  
Lab File: VY012457.D  
Acq: 02 Feb 2023 15:26

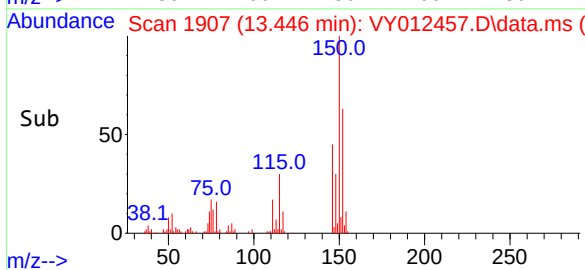
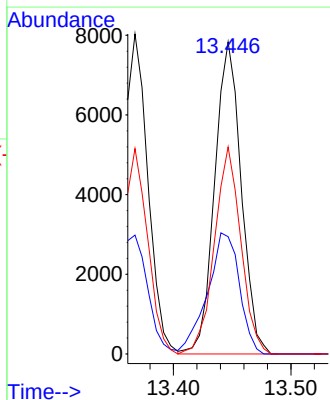
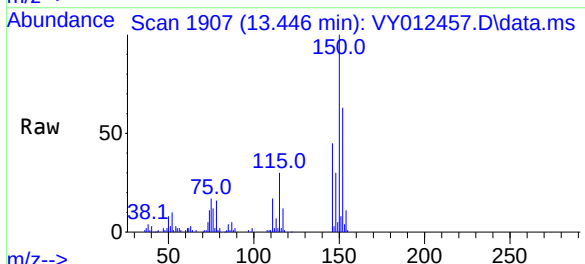
Instrument :  
MSVOA\_Y  
ClientSampleId :  
MDL07

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:146 | Resp: | 12254     |
| Ion Ratio   | Lower | Upper     |
| 146         | 100   |           |
| 111         | 39.9  | 19.7 59.0 |
| 148         | 62.9  | 32.0 96.0 |

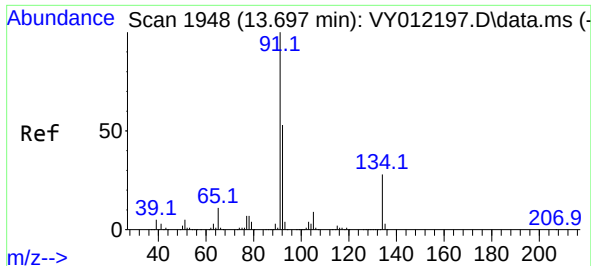


#88  
1,4-Dichlorobenzene  
Concen: 3.140 ug/l  
RT: 13.446 min Scan# 1907  
Delta R.T. -0.001 min  
Lab File: VY012457.D  
Acq: 02 Feb 2023 15:26

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:146 | Resp: | 12289     |
| Ion Ratio   | Lower | Upper     |
| 146         | 100   |           |
| 111         | 46.8  | 19.6 58.7 |
| 148         | 66.3  | 31.9 95.7 |







#89

n-Butylbenzene

Concen: 2.889 ug/l

RT: 13.696 min Scan# 1948

Delta R.T. -0.001 min

Lab File: VY012457.D

Acq: 02 Feb 2023 15:26

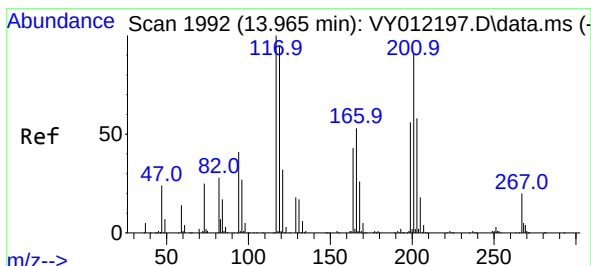
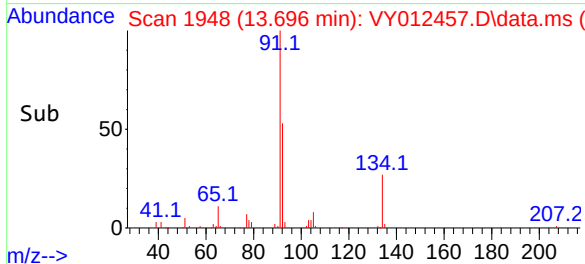
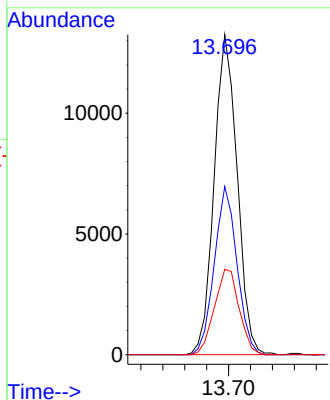
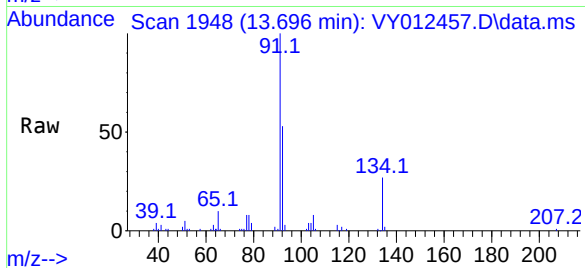
Instrument :

MSVOA\_Y

ClientSampleId :

MDL07

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 19347 |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 92       | 51.8  | 26.8  | 80.4  |
| 134      | 28.6  | 13.3  | 39.8  |



#90

Hexachloroethane

Concen: 3.134 ug/l

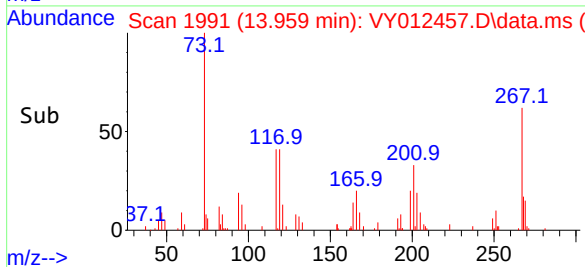
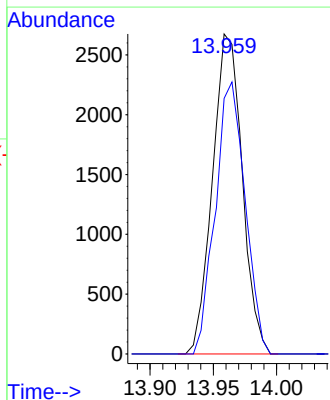
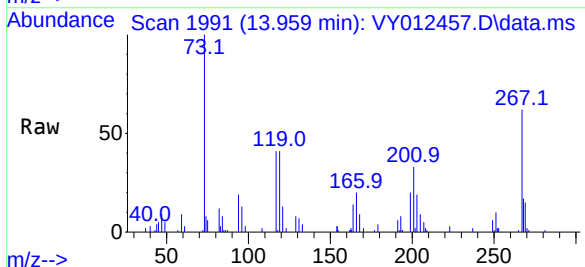
RT: 13.959 min Scan# 1991

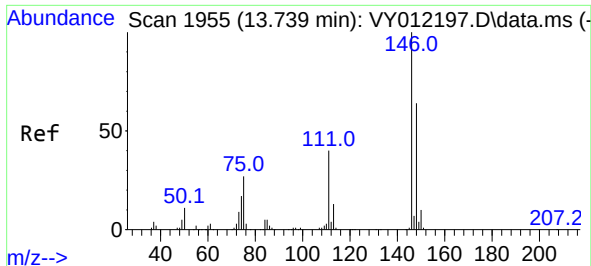
Delta R.T. -0.000 min

Lab File: VY012457.D

Acq: 02 Feb 2023 15:26

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 4372  |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 201      | 85.2  | 40.3  | 120.8 |





#91

1,2-Dichlorobenzene

Concen: 2.917 ug/l

RT: 13.739 min Scan# 1955

Delta R.T. 0.000 min

Lab File: VY012457.D

Acq: 02 Feb 2023 15:26

Instrument :

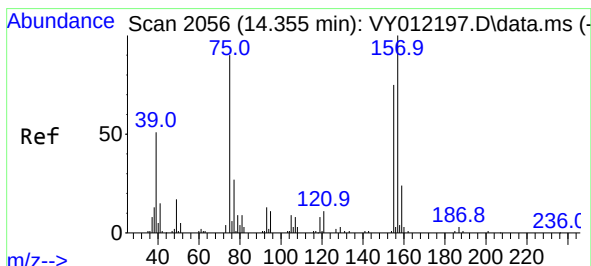
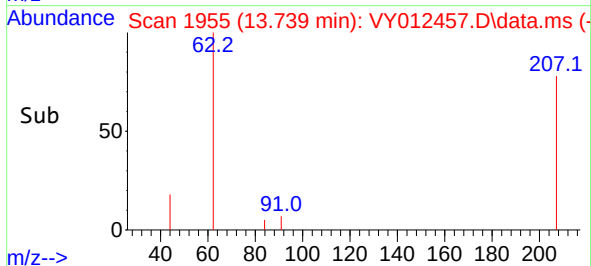
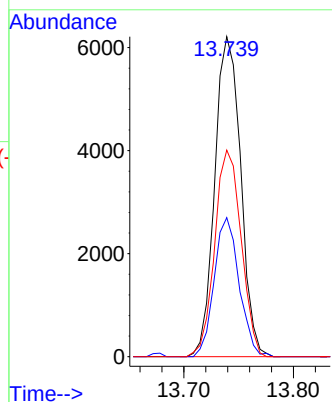
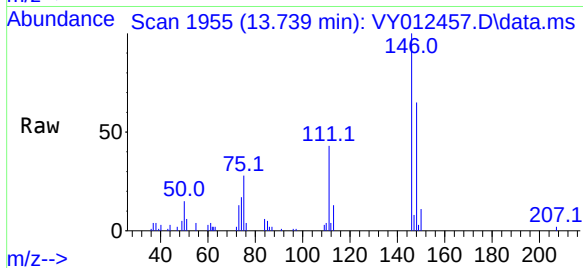
MSVOA\_Y

ClientSampleId :

MDL07

Tgt Ion:146 Resp: 10214

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 111 | 41.9  | 20.3  | 60.8  |
| 148 | 65.9  | 31.8  | 95.4  |



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.997 ug/l

RT: 14.355 min Scan# 2056

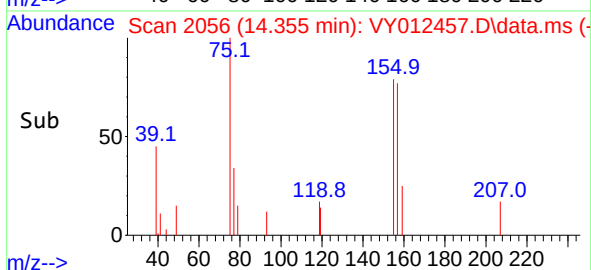
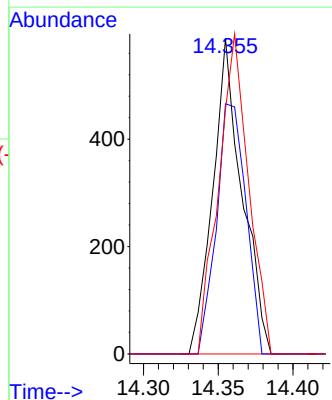
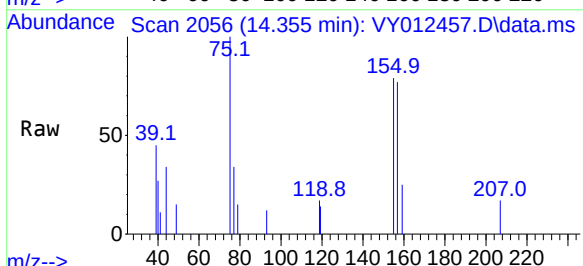
Delta R.T. -0.000 min

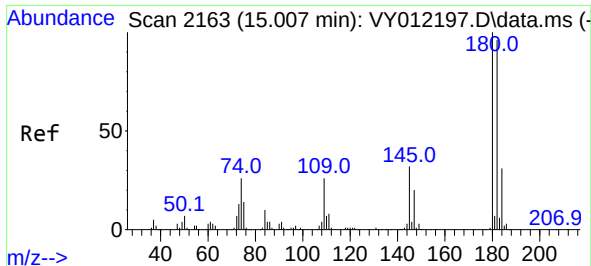
Lab File: VY012457.D

Acq: 02 Feb 2023 15:26

Tgt Ion: 75 Resp: 800

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 155 | 79.8  | 42.3  | 126.8 |
| 157 | 103.8 | 54.4  | 163.3 |

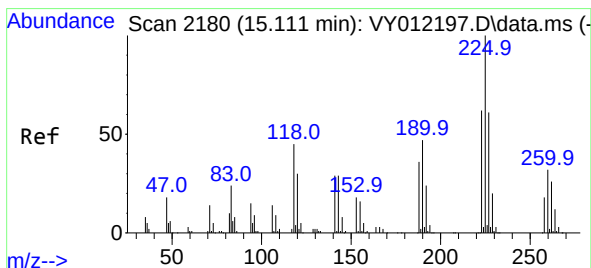
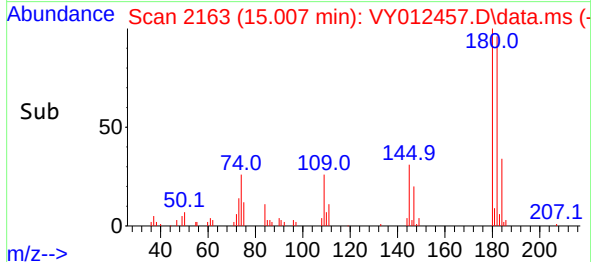
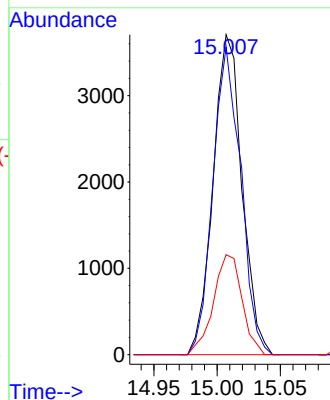
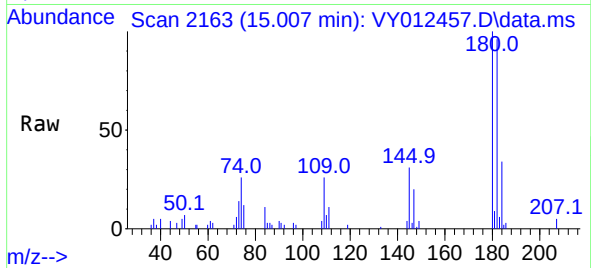




#93  
 1,2,4-Trichlorobenzene  
 Concen: 2.619 ug/l  
 RT: 15.007 min Scan# 2163  
 Delta R.T. 0.000 min  
 Lab File: VY012457.D  
 Acq: 02 Feb 2023 15:26

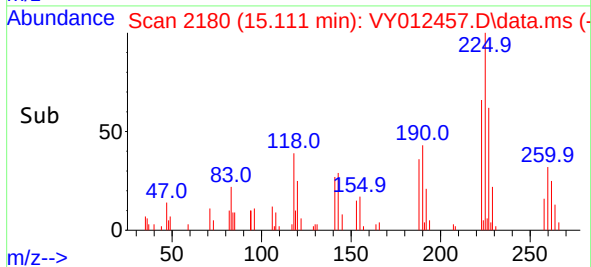
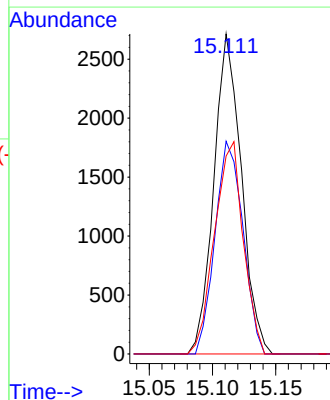
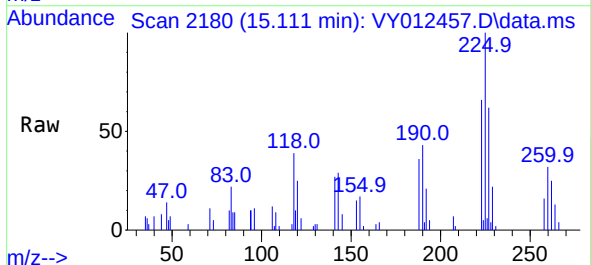
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 MDL07

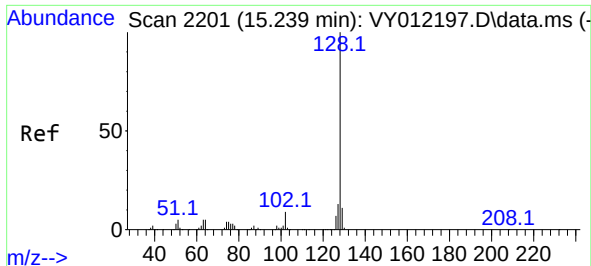
Tgt Ion:180 Resp: 5877  
 Ion Ratio Lower Upper  
 180 100  
 182 93.0 48.1 144.3  
 145 31.0 15.4 46.4



#94  
 Hexachlorobutadiene  
 Concen: 3.036 ug/l  
 RT: 15.111 min Scan# 2180  
 Delta R.T. -0.000 min  
 Lab File: VY012457.D  
 Acq: 02 Feb 2023 15:26

Tgt Ion:225 Resp: 4101  
 Ion Ratio Lower Upper  
 225 100  
 223 67.4 31.4 94.2  
 227 69.2 32.6 97.8

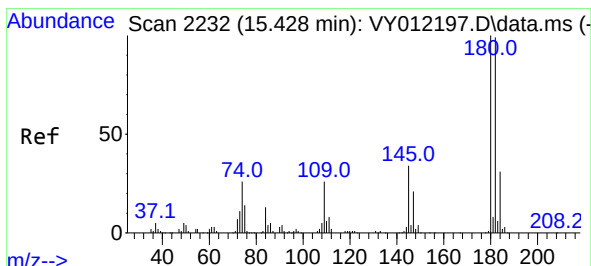
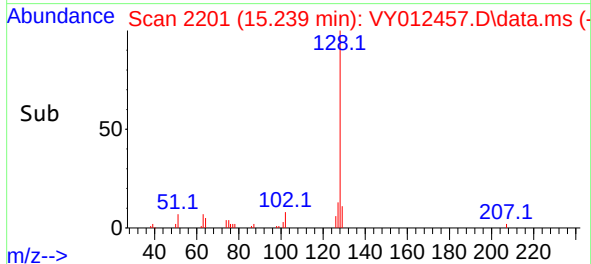
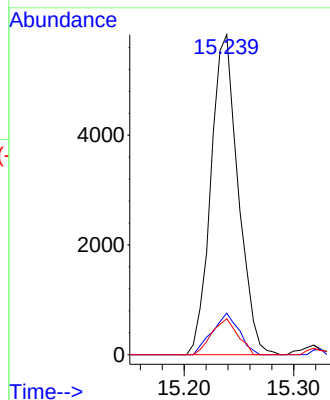
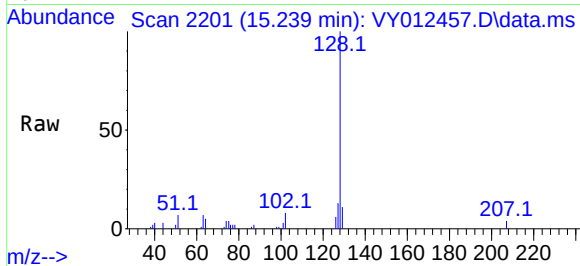




#95  
Naphthalene  
Concen: 2.277 ug/l  
RT: 15.239 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VY012457.D  
Acq: 02 Feb 2023 15:26

Instrument :  
MSVOA\_Y  
ClientSampleId :  
MDL07

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 10082 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 12.8  | 10.2  | 15.2  |
| 129      | 10.7  | 8.8   | 13.2  |



#96  
1,2,3-Trichlorobenzene  
Concen: 2.478 ug/l  
RT: 15.428 min Scan# 2232  
Delta R.T. 0.006 min  
Lab File: VY012457.D  
Acq: 02 Feb 2023 15:26

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 4785  |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 93.1  | 47.9  | 143.7 |
| 145      | 33.4  | 16.1  | 48.2  |

