

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY111523\  
 Data File : VY016374.D  
 Acq On : 15 Nov 2023 18:17  
 Operator : SY/MD  
 Sample : 05425-09 MS  
 Misc : 8.06g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Nov 16 00:07:38 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y110823S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 09 00:45:52 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.807  | 168  | 115389   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.703  | 114  | 189764   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.502 | 117  | 169105   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.434 | 152  | 78045    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 8.161  | 65    | 55963    | 53.065   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 106.140% |      |
| 35) Dibromofluoromethane    | 7.734  | 113   | 59590    | 55.279   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 110.560% |      |
| 50) Toluene-d8              | 10.191 | 98    | 230256   | 52.673   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | = 105.340% |      |
| 62) 4-Bromofluorobenzene    | 12.495 | 95    | 74595    | 52.540   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | = 105.080% |      |

|                              |       |     |        |         |        |    |
|------------------------------|-------|-----|--------|---------|--------|----|
| Target Compounds             |       |     |        |         | Qvalue |    |
| 2) Dichlorodifluoromethane   | 1.912 | 85  | 54381  | 48.131  | ug/l   | 99 |
| 3) Chloromethane             | 2.125 | 50  | 63291  | 47.831  | ug/l   | 97 |
| 4) Vinyl Chloride            | 2.259 | 62  | 68016  | 47.802  | ug/l   | 97 |
| 5) Bromomethane              | 2.668 | 94  | 44898  | 48.015  | ug/l   | 99 |
| 6) Chloroethane              | 2.808 | 64  | 45246  | 49.834  | ug/l   | 99 |
| 7) Trichlorofluoromethane    | 3.143 | 101 | 104311 | 50.389  | ug/l   | 97 |
| 8) Diethyl Ether             | 3.546 | 74  | 31219  | 50.459  | ug/l   | 87 |
| 9) 1,1,2-Trichlorotrifluo... | 3.918 | 101 | 62873  | 50.426  | ug/l   | 96 |
| 10) Methyl Iodide            | 4.113 | 142 | 67741  | 50.305  | ug/l   | 99 |
| 11) Tert butyl alcohol       | 4.978 | 59  | 16451  | 199.203 | ug/l # | 83 |
| 12) 1,1-Dichloroethene       | 3.893 | 96  | 58498  | 50.168  | ug/l   | 88 |
| 13) Acrolein                 | 3.747 | 56  | 16231  | 162.943 | ug/l   | 99 |
| 14) Allyl chloride           | 4.503 | 41  | 82016  | 49.565  | ug/l # | 93 |
| 15) Acrylonitrile            | 5.186 | 53  | 60485  | 246.342 | ug/l   | 98 |
| 16) Acetone                  | 3.960 | 43  | 46755  | 268.020 | ug/l   | 92 |
| 17) Carbon Disulfide         | 4.216 | 76  | 170608 | 48.493  | ug/l   | 99 |
| 18) Methyl Acetate           | 4.497 | 43  | 49720  | 53.638  | ug/l # | 88 |
| 19) Methyl tert-butyl Ether  | 5.247 | 73  | 142557 | 50.513  | ug/l   | 98 |
| 20) Methylene Chloride       | 4.741 | 84  | 76098  | 62.630  | ug/l   | 89 |
| 21) trans-1,2-Dichloroethene | 5.247 | 96  | 69189  | 51.535  | ug/l   | 90 |
| 22) Diisopropyl ether        | 6.137 | 45  | 185827 | 52.110  | ug/l   | 88 |
| 23) Vinyl Acetate            | 6.082 | 43  | 393779 | 227.891 | ug/l # | 93 |
| 24) 1,1-Dichloroethane       | 6.039 | 63  | 115942 | 52.701  | ug/l   | 97 |
| 25) 2-Butanone               | 7.002 | 43  | 70788  | 231.674 | ug/l # | 89 |
| 26) 2,2-Dichloropropane      | 7.002 | 77  | 103027 | 51.455  | ug/l   | 97 |
| 27) cis-1,2-Dichloroethene   | 7.008 | 96  | 76822  | 53.095  | ug/l   | 90 |
| 28) Bromochloromethane       | 7.356 | 49  | 45029  | 55.304  | ug/l   | 88 |
| 29) Tetrahydrofuran          | 7.368 | 42  | 48107  | 238.202 | ug/l   | 88 |
| 30) Chloroform               | 7.527 | 83  | 123854 | 54.086  | ug/l   | 95 |
| 31) Cyclohexane              | 7.801 | 56  | 96454  | 46.454  | ug/l   | 90 |
| 32) 1,1,1-Trichloroethane    | 7.716 | 97  | 111127 | 52.940  | ug/l   | 97 |
| 36) 1,1-Dichloropropene      | 7.935 | 75  | 93049  | 49.711  | ug/l   | 98 |
| 37) Ethyl Acetate            | 7.094 | 43  | 34931  | 46.187  | ug/l # | 96 |
| 38) Carbon Tetrachloride     | 7.917 | 117 | 101346 | 52.168  | ug/l   | 98 |
| 39) Methylcyclohexane        | 9.197 | 83  | 109978 | 47.152  | ug/l   | 91 |
| 40) Benzene                  | 8.179 | 78  | 287672 | 54.702  | ug/l   | 99 |

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 Sample : 05425-09 MS  
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 MSVOA\_Y  
 ClientSampleId :

Quant Time: Nov 16 00:07:38 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y110823S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 09 00:45:52 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.332  | 41   | 20543    | 53.871  | ug/l   | 92       |
| 42) 1,2-Dichloroethane        | 8.252  | 62   | 71334    | 52.351  | ug/l   | 93       |
| 43) Isopropyl Acetate         | 8.289  | 43   | 67924    | 46.462  | ug/l # | 89       |
| 44) Trichloroethene           | 8.953  | 130  | 76693    | 50.743  | ug/l   | 95       |
| 45) 1,2-Dichloropropane       | 9.228  | 63   | 66097    | 52.334  | ug/l   | 96       |
| 46) Dibromomethane            | 9.319  | 93   | 35811    | 52.324  | ug/l   | 96       |
| 47) Bromodichloromethane      | 9.508  | 83   | 93844    | 53.334  | ug/l   | 97       |
| 48) Methyl methacrylate       | 9.301  | 41   | 38579    | 47.749  | ug/l # | 84       |
| 49) 1,4-Dioxane               | 9.307  | 88   | 6109     | 840.762 | ug/l # | 50       |
| 51) 4-Methyl-2-Pentanone      | 10.081 | 43   | 174066   | 235.460 | ug/l   | 90       |
| 52) Toluene                   | 10.258 | 92   | 172300   | 51.830  | ug/l   | 95       |
| 53) t-1,3-Dichloropropene     | 10.477 | 75   | 87833    | 51.493  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 9.941  | 75   | 105947   | 52.003  | ug/l # | 88       |
| 55) 1,1,2-Trichloroethane     | 10.654 | 97   | 49359    | 52.324  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.520 | 69   | 44600    | 50.086  | ug/l # | 84       |
| 57) 1,3-Dichloropropane       | 10.800 | 76   | 83002    | 51.619  | ug/l   | 97       |
| 58) 2-Chloroethyl Vinyl ether | 9.795  | 63   | 153749   | 254.635 | ug/l   | 93       |
| 59) 2-Hexanone                | 10.843 | 43   | 116825   | 212.456 | ug/l   | 88       |
| 60) Dibromochloromethane      | 10.996 | 129  | 63949    | 54.204  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.099 | 107  | 46186    | 51.391  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.733 | 164  | 74945    | 49.358  | ug/l   | 97       |
| 65) Chlorobenzene             | 11.526 | 112  | 183445   | 50.774  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.599 | 131  | 69860    | 52.425  | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.605 | 91   | 330855   | 50.955  | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.715 | 106  | 255991   | 103.944 | ug/l   | 95       |
| 69) o-Xylene                  | 12.038 | 106  | 118671   | 51.899  | ug/l   | 96       |
| 70) Styrene                   | 12.056 | 104  | 170694   | 52.134  | ug/l   | 98       |
| 71) Bromoform                 | 12.221 | 173  | 35599    | 51.484  | ug/l # | 100      |
| 73) Isopropylbenzene          | 12.343 | 105  | 326504   | 51.663  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.154 | 43   | 52626    | 41.456  | ug/l # | 87       |
| 75) 1,1,2,2-Tetrachloroethane | 12.593 | 83   | 49570    | 48.880  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.642 | 75   | 65396    | 87.349  | ug/l # | 100      |
| 77) Bromobenzene              | 12.617 | 156  | 72398    | 50.685  | ug/l   | 93       |
| 78) n-propylbenzene           | 12.684 | 91   | 368327   | 49.315  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.770 | 91   | 205449   | 49.914  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.825 | 105  | 258522   | 50.736  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-b... | 12.392 | 75   | 16356    | 47.420  | ug/l   | 90       |
| 82) 4-Chlorotoluene           | 12.867 | 91   | 211543   | 49.738  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.087 | 119  | 222799   | 49.642  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.129 | 105  | 253956   | 50.617  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.263 | 105  | 313283   | 48.860  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.379 | 119  | 271424   | 49.161  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.379 | 146  | 137473   | 50.026  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.459 | 146  | 134026   | 49.905  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.709 | 91   | 246012   | 48.249  | ug/l   | 96       |
| 90) Hexachloroethane          | 13.971 | 117  | 54750    | 51.407  | ug/l   | 87       |
| 91) 1,2-Dichlorobenzene       | 13.751 | 146  | 118829   | 50.463  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.367 | 75   | 7012     | 43.459  | ug/l   | 87       |
| 93) 1,2,4-Trichlorobenzene    | 15.019 | 180  | 64455    | 46.893  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.123 | 225  | 33350    | 42.351  | ug/l   | 95       |
| 95) Naphthalene               | 15.245 | 128  | 191377   | 77.849  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.434 | 180  | 52330    | 46.030  | ug/l   | 99       |

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Quant Title : SW846 8260  
QLast Update : Thu Nov 09 00:45:52 2023  
Response via : Initial Calibration

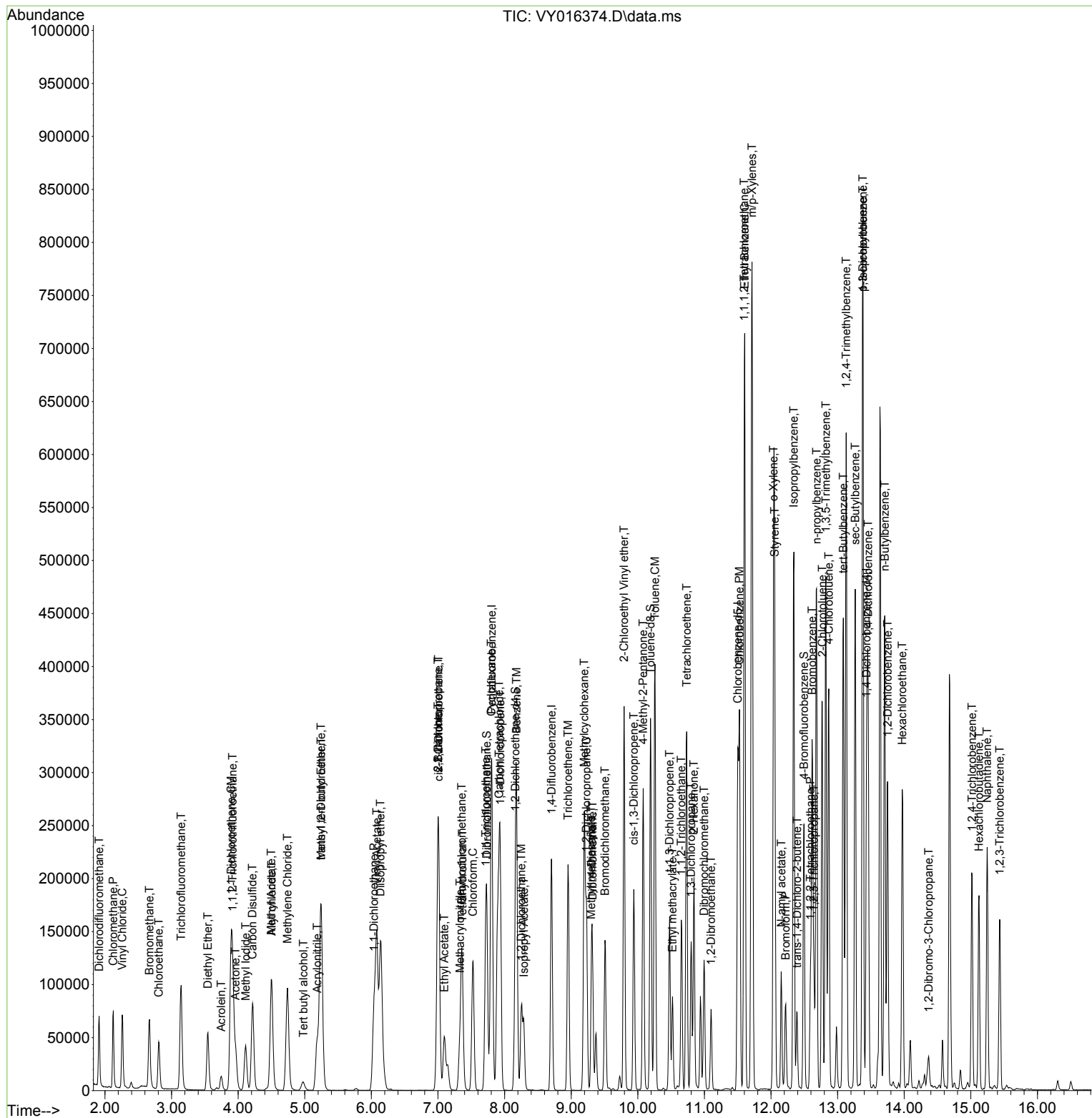
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

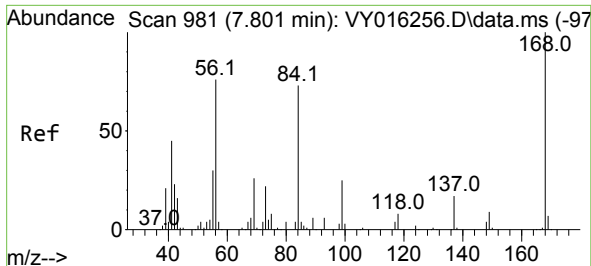
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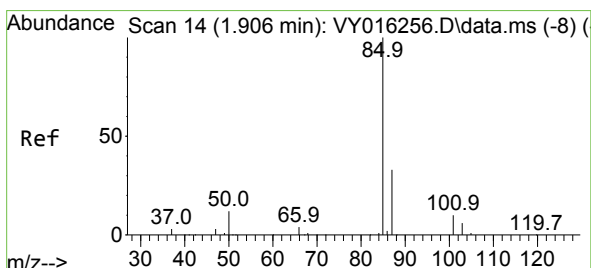
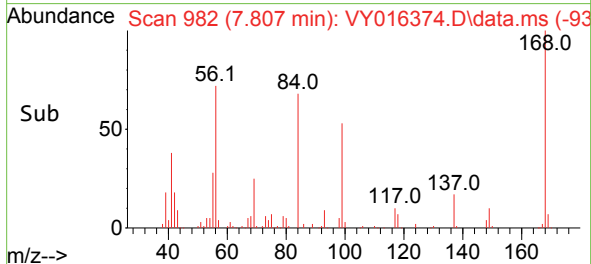
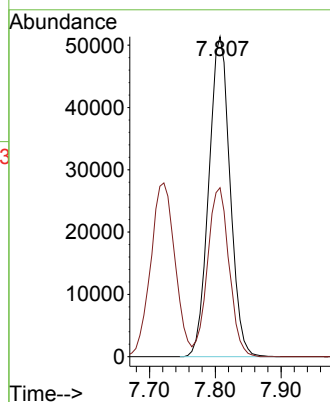
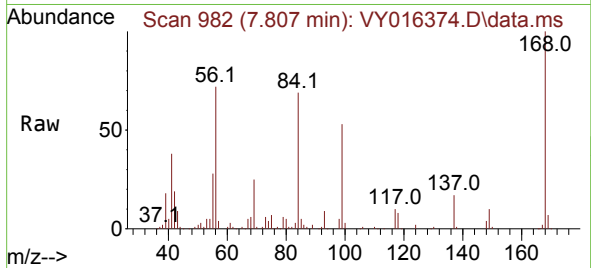




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.807 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY016374.D  
Acq: 15 Nov 2023 18:17

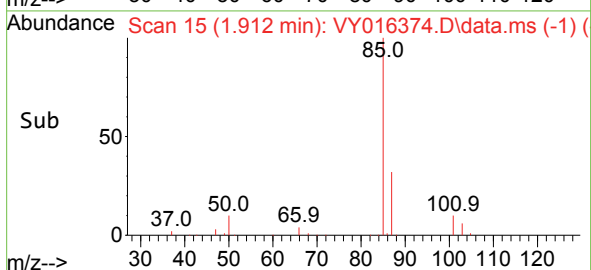
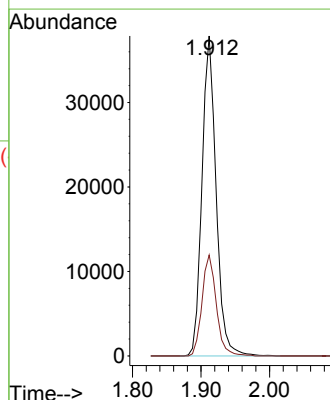
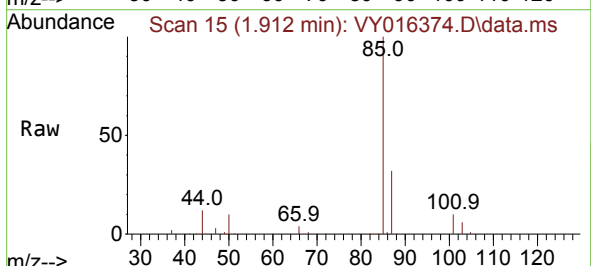
Instrument :  
MSVOA\_Y  
ClientSampleId :

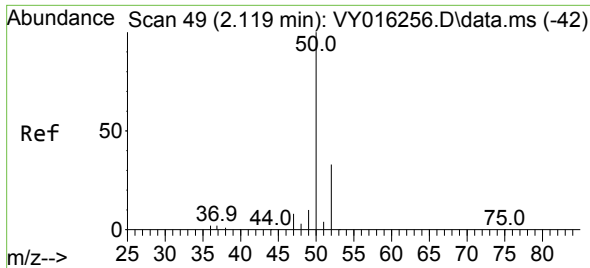
Tgt Ion:168 Resp: 115389  
Ion Ratio Lower Upper  
168 100  
99 52.8 43.4 65.0



#2  
Dichlorodifluoromethane  
Concen: 48.131 ug/l  
RT: 1.912 min Scan# 15  
Delta R.T. 0.006 min  
Lab File: VY016374.D  
Acq: 15 Nov 2023 18:17

Tgt Ion: 85 Resp: 54381  
Ion Ratio Lower Upper  
85 100  
87 31.6 15.6 46.8

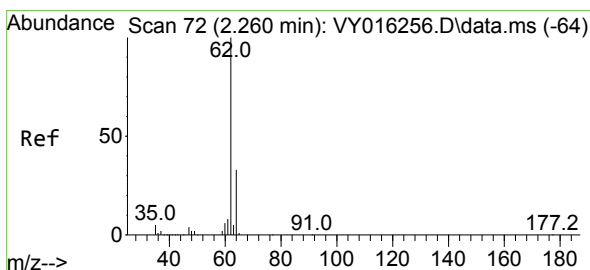
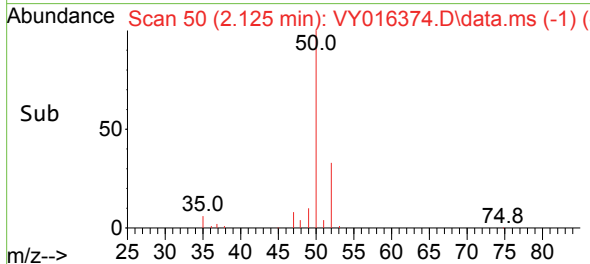
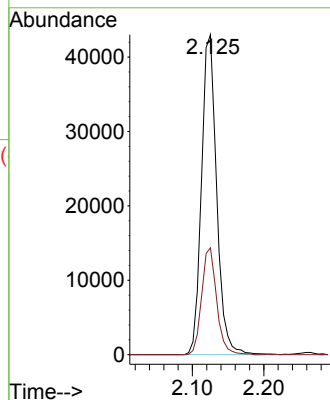
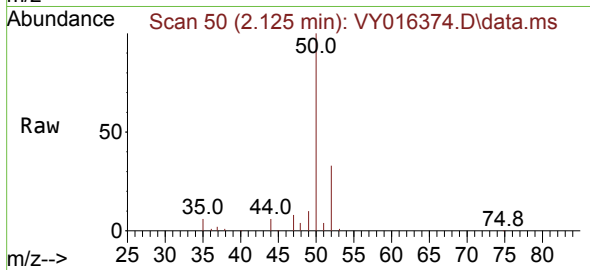




#3  
Chloromethane  
Concen: 47.831 ug/l  
RT: 2.125 min Scan# 50  
Delta R.T. 0.006 min  
Lab File: VY016374.D  
Acq: 15 Nov 2023 18:17

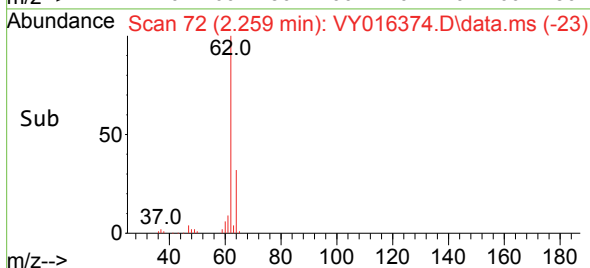
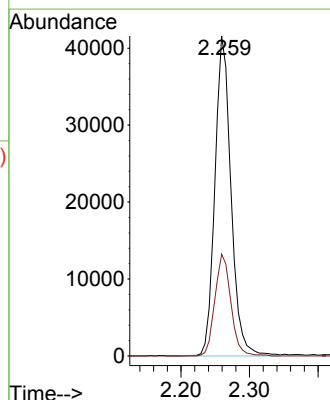
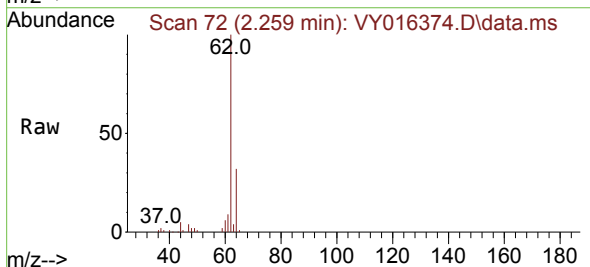
Instrument :  
MSVOA\_Y  
ClientSampleId :

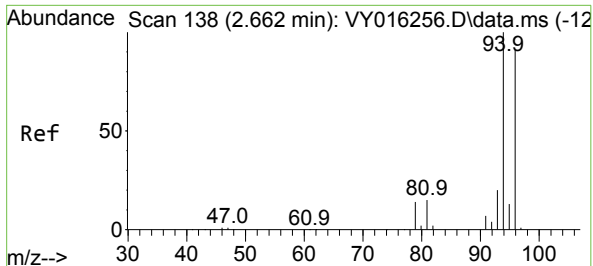
Tgt Ion: 50 Resp: 63291  
Ion Ratio Lower Upper  
50 100  
52 33.4 25.4 38.2



#4  
Vinyl Chloride  
Concen: 47.802 ug/l  
RT: 2.259 min Scan# 72  
Delta R.T. -0.000 min  
Lab File: VY016374.D  
Acq: 15 Nov 2023 18:17

Tgt Ion: 62 Resp: 68016  
Ion Ratio Lower Upper  
62 100  
64 31.8 24.3 36.5

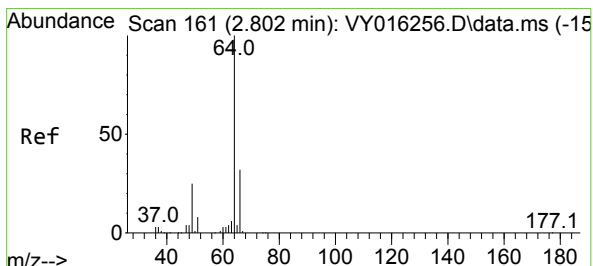
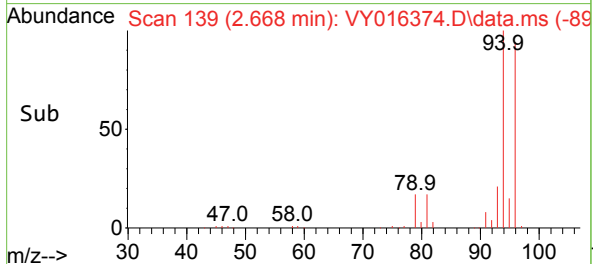
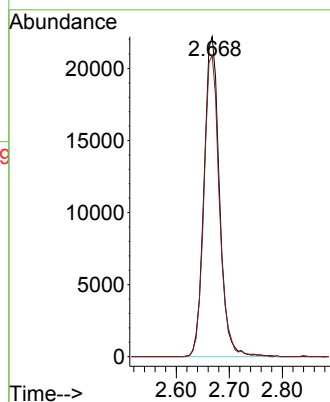
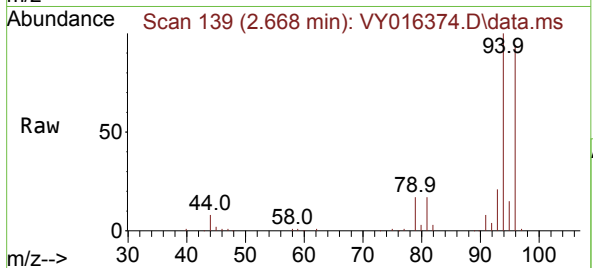




#5  
Bromomethane  
Concen: 48.015 ug/l  
RT: 2.668 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY016374.D  
Acq: 15 Nov 2023 18:17

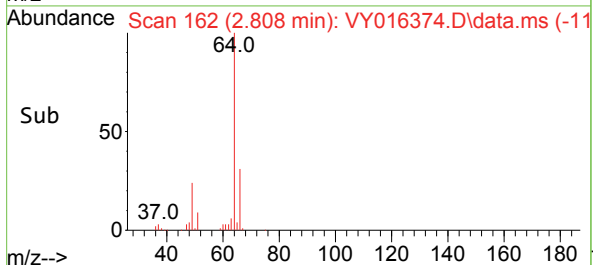
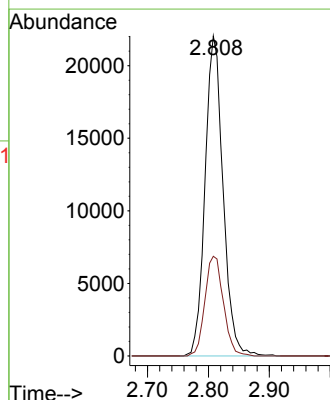
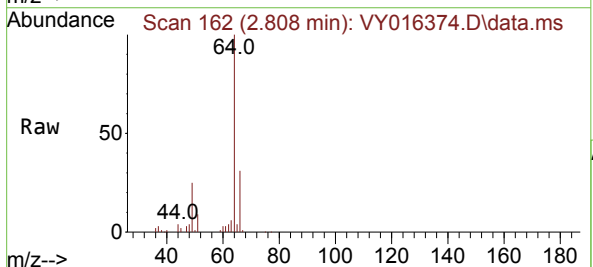
Instrument :  
MSVOA\_Y  
ClientSampleId :

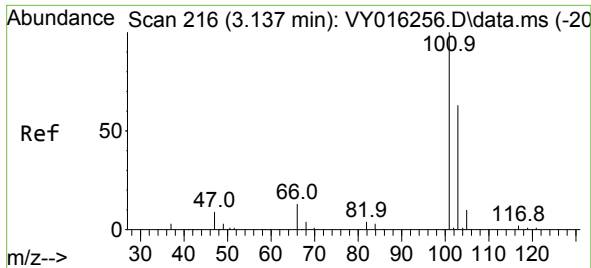
Tgt Ion: 94 Resp: 44898  
Ion Ratio Lower Upper  
94 100  
96 94.2 75.8 113.6



#6  
Chloroethane  
Concen: 49.834 ug/l  
RT: 2.808 min Scan# 162  
Delta R.T. 0.006 min  
Lab File: VY016374.D  
Acq: 15 Nov 2023 18:17

Tgt Ion: 64 Resp: 45246  
Ion Ratio Lower Upper  
64 100  
66 31.1 24.4 36.6

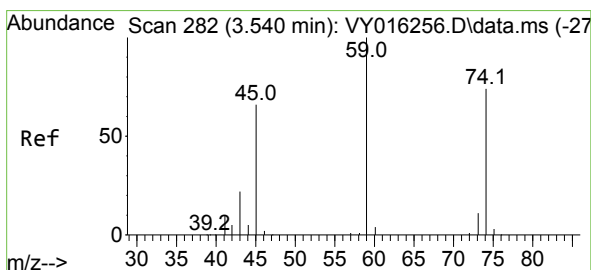
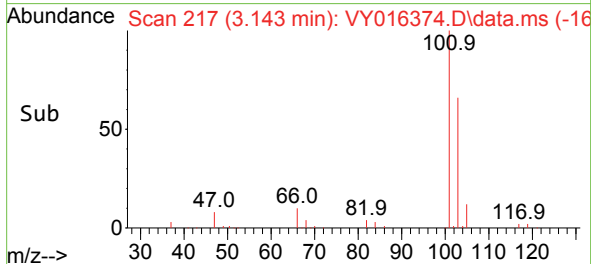
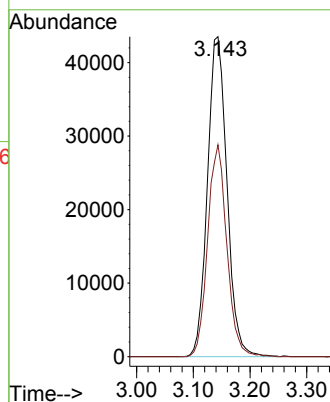
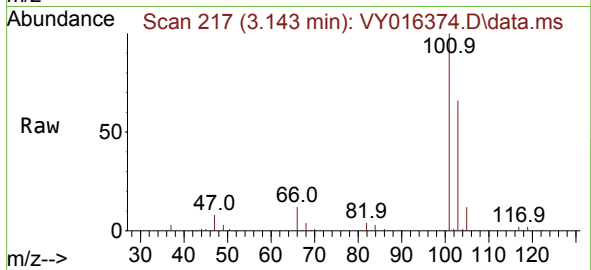




#7  
Trichlorofluoromethane  
Concen: 50.389 ug/l  
RT: 3.143 min Scan# 216  
Delta R.T. 0.006 min  
Lab File: VY016374.D  
Acq: 15 Nov 2023 18:17

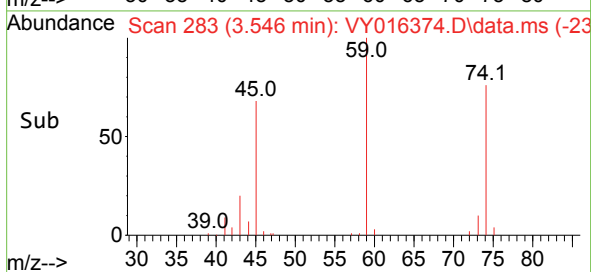
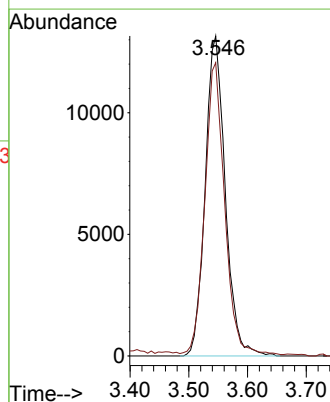
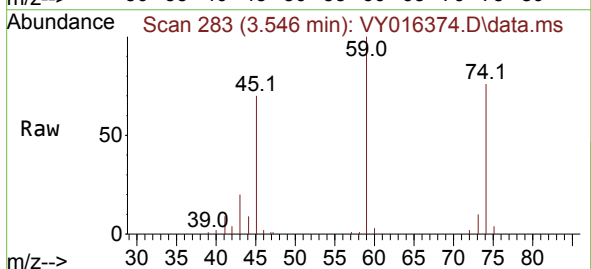
Instrument :  
MSVOA\_Y  
ClientSampleId :

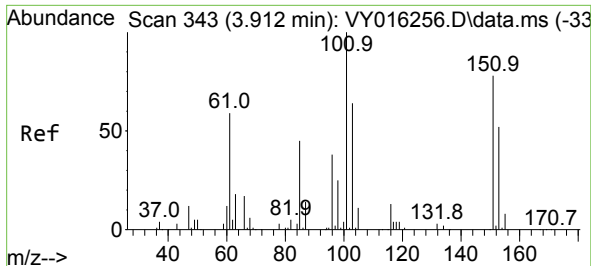
Tgt Ion:101 Resp: 104311  
Ion Ratio Lower Upper  
101 100  
103 66.2 51.4 77.0



#8  
Diethyl Ether  
Concen: 50.459 ug/l  
RT: 3.546 min Scan# 283  
Delta R.T. 0.006 min  
Lab File: VY016374.D  
Acq: 15 Nov 2023 18:17

Tgt Ion: 74 Resp: 31219  
Ion Ratio Lower Upper  
74 100  
45 89.9 51.5 154.5

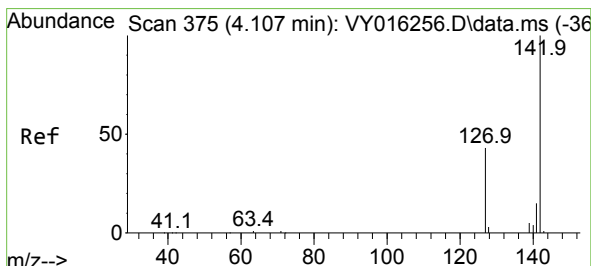
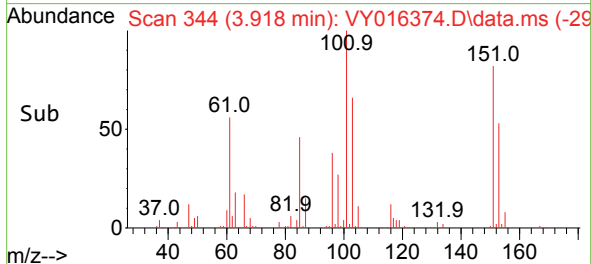
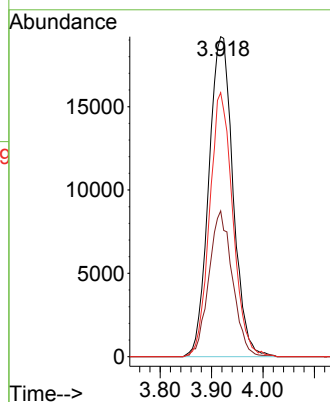
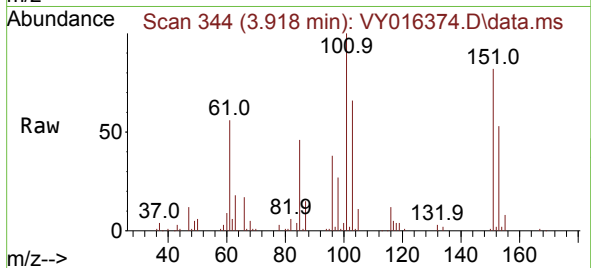




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 50.426 ug/l  
RT: 3.918 min Scan# 343  
Delta R.T. 0.006 min  
Lab File: VY016374.D  
Acq: 15 Nov 2023 18:17

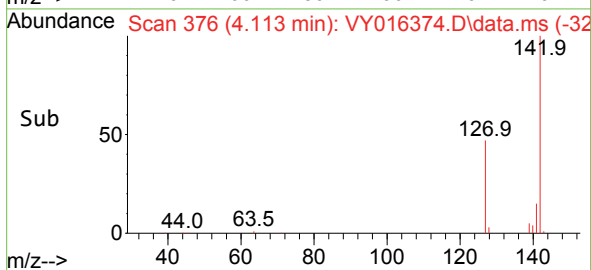
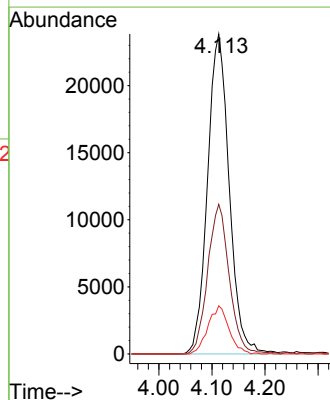
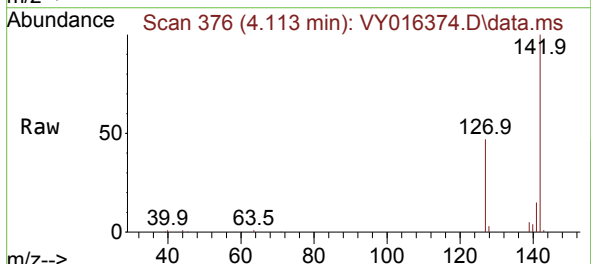
Instrument :  
MSVOA\_Y  
ClientSampleId :

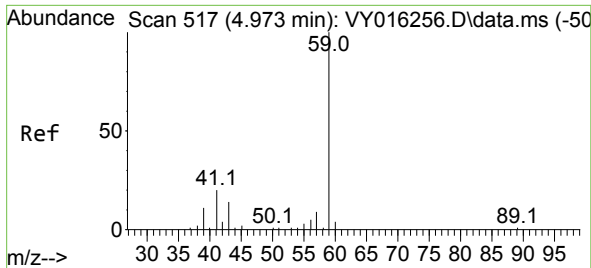
Tgt Ion:101 Resp: 62873  
Ion Ratio Lower Upper  
101 100  
85 44.5 36.6 55.0  
151 79.0 67.0 100.6



#10  
Methyl Iodide  
Concen: 50.305 ug/l  
RT: 4.113 min Scan# 376  
Delta R.T. 0.006 min  
Lab File: VY016374.D  
Acq: 15 Nov 2023 18:17

Tgt Ion:142 Resp: 67741  
Ion Ratio Lower Upper  
142 100  
127 46.5 37.6 56.4  
141 14.6 11.8 17.8

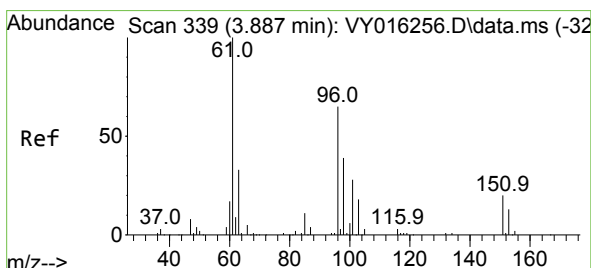
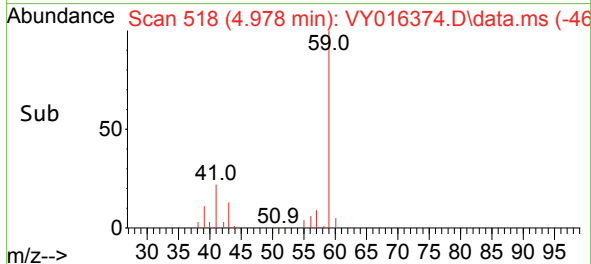
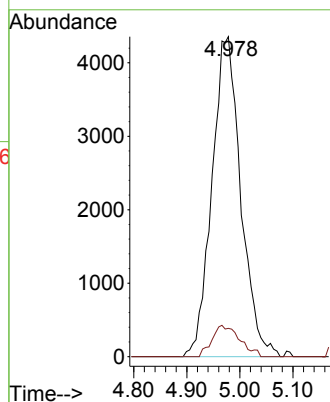
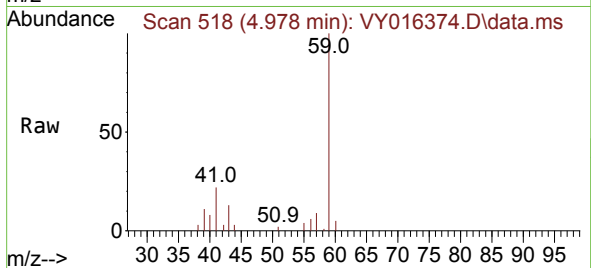




#11  
Tert butyl alcohol  
Concen: 199.203 ug/l  
RT: 4.978 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VY016374.D  
Acq: 15 Nov 2023 18:17

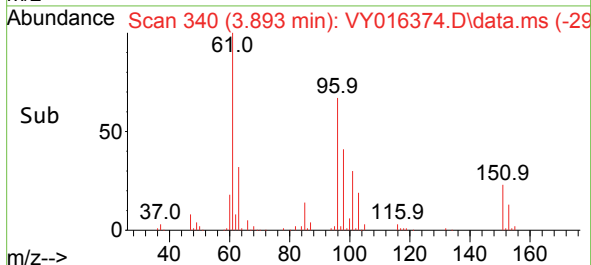
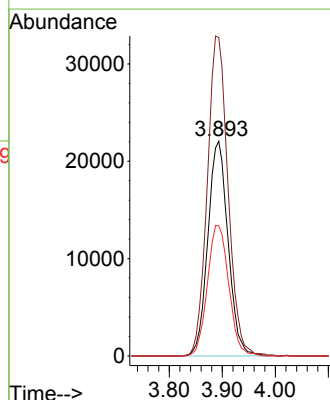
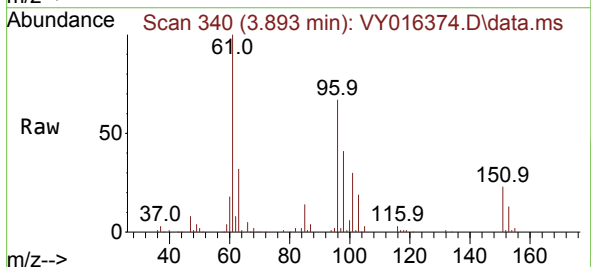
Instrument :  
MSVOA\_Y  
ClientSampleId :

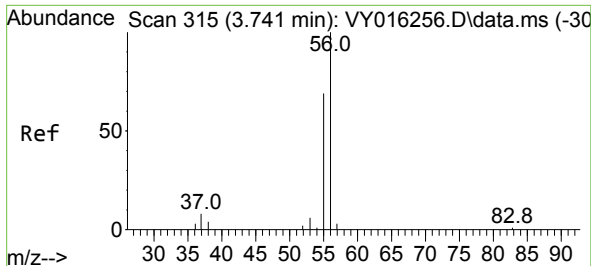
Tgt Ion: 59 Resp: 16451  
Ion Ratio Lower Upper  
59 100  
57 9.4 3.0 4.4#



#12  
1,1-Dichloroethene  
Concen: 50.168 ug/l  
RT: 3.893 min Scan# 340  
Delta R.T. 0.006 min  
Lab File: VY016374.D  
Acq: 15 Nov 2023 18:17

Tgt Ion: 96 Resp: 58498  
Ion Ratio Lower Upper  
96 100  
61 148.3 136.4 204.6  
98 60.6 49.4 74.2





#13

Acrolein

Concen: 162.943 ug/l

RT: 3.747 min Scan# 315

Delta R.T. 0.006 min

Lab File: VY016374.D

Acq: 15 Nov 2023 18:17

Instrument :

MSVOA\_Y

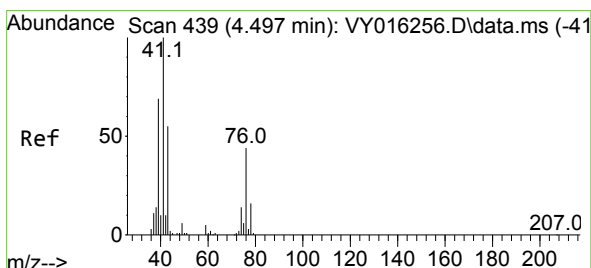
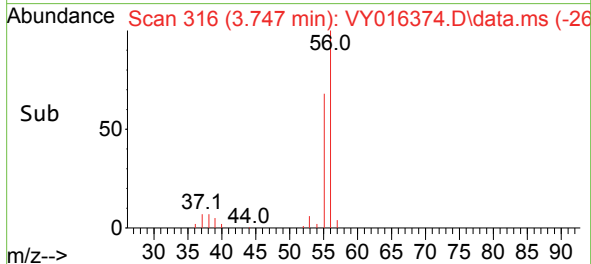
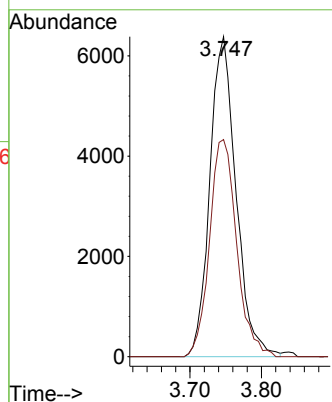
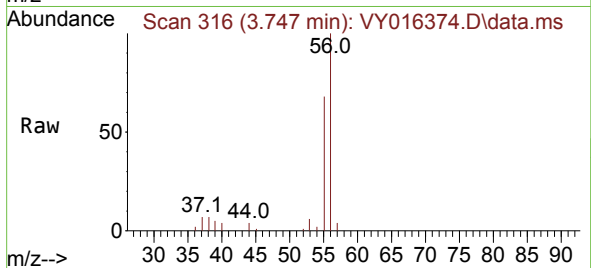
ClientSampleId :

Tgt Ion: 56 Resp: 16231

Ion Ratio Lower Upper

56 100

55 70.4 57.0 85.4



#14

Allyl chloride

Concen: 49.565 ug/l

RT: 4.503 min Scan# 440

Delta R.T. 0.006 min

Lab File: VY016374.D

Acq: 15 Nov 2023 18:17

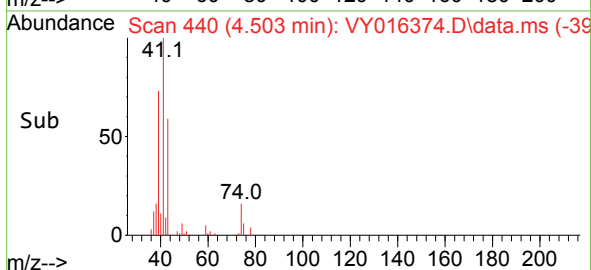
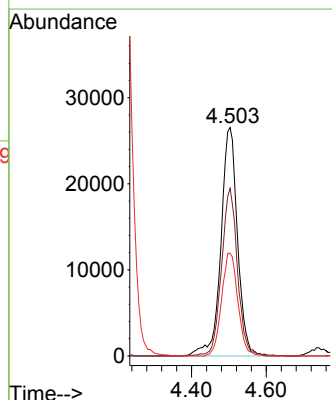
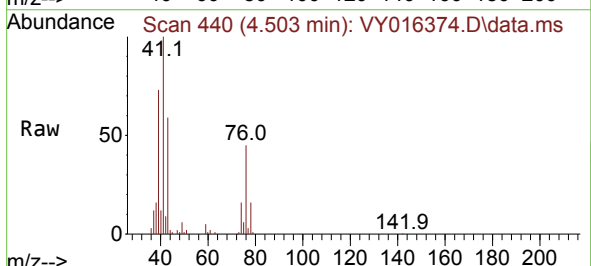
Tgt Ion: 41 Resp: 82016

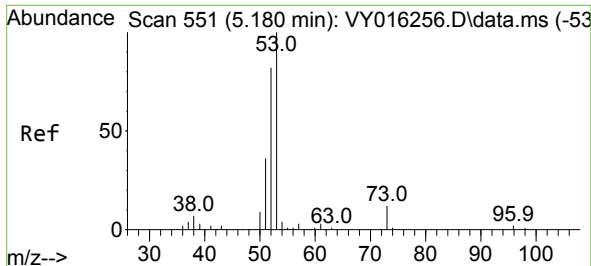
Ion Ratio Lower Upper

41 100

39 70.3 58.0 87.0

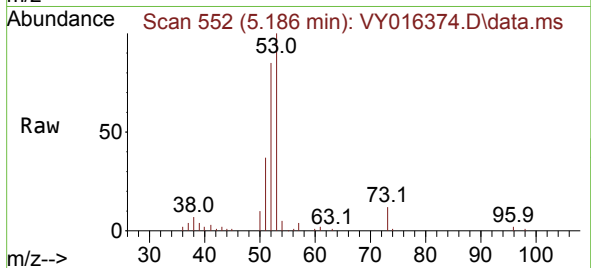
76 44.0 27.4 41.2#



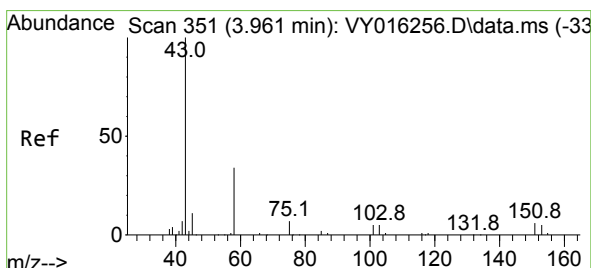
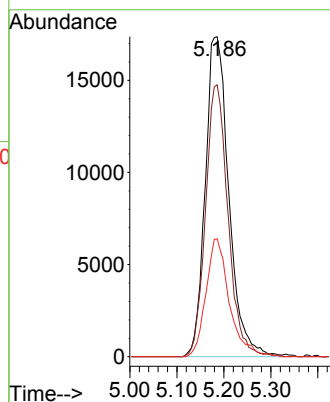
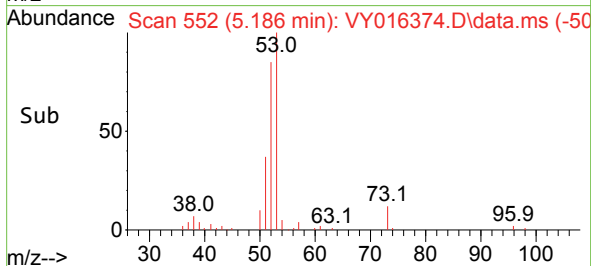


#15  
Acrylonitrile  
Concen: 246.342 ug/l  
RT: 5.186 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VY016374.D  
Acq: 15 Nov 2023 18:17

Instrument :  
MSVOA\_Y  
ClientSampleId :

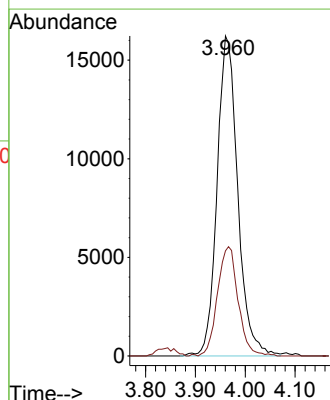
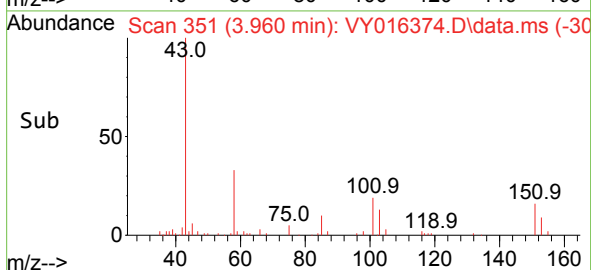
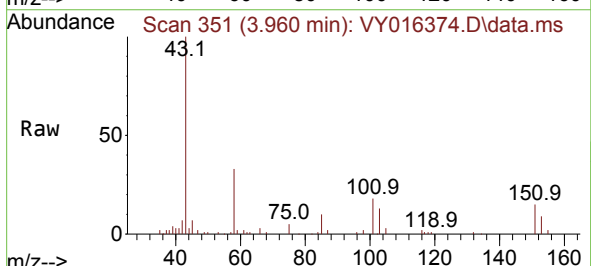


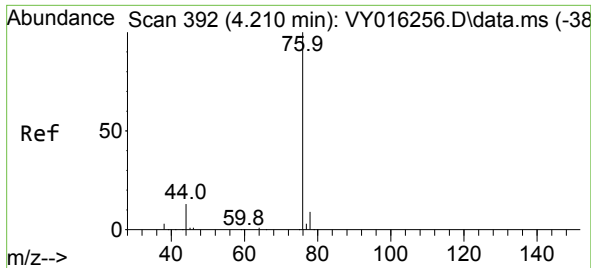
Tgt Ion: 53 Resp: 60485  
Ion Ratio Lower Upper  
53 100  
52 81.1 66.9 100.3  
51 36.6 29.8 44.6



#16  
Acetone  
Concen: 268.020 ug/l  
RT: 3.960 min Scan# 351  
Delta R.T. -0.000 min  
Lab File: VY016374.D  
Acq: 15 Nov 2023 18:17

Tgt Ion: 43 Resp: 46755  
Ion Ratio Lower Upper  
43 100  
58 32.9 22.7 34.1

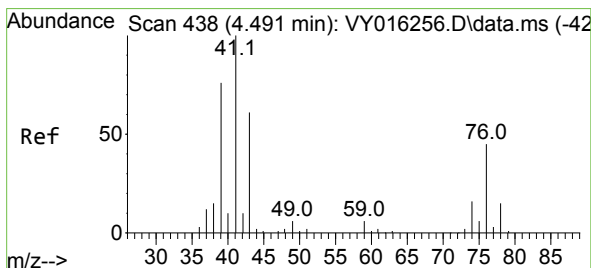
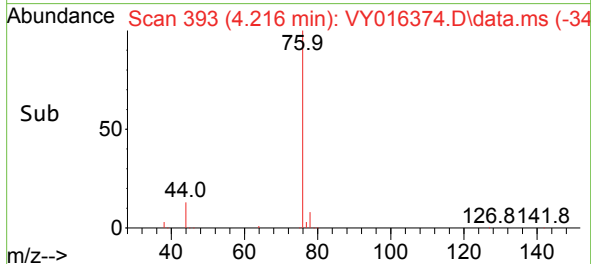
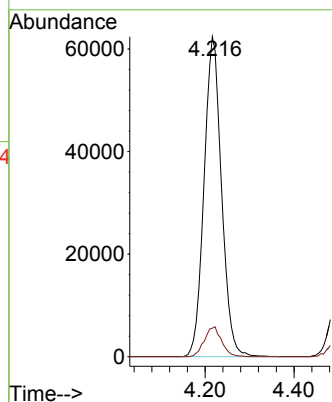
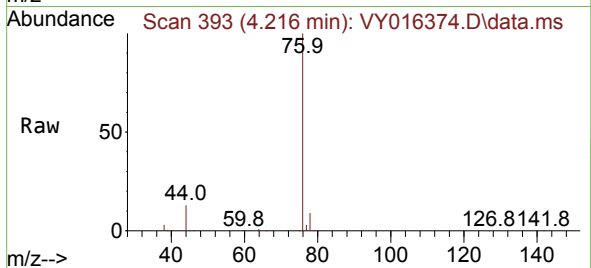




#17  
Carbon Disulfide  
Concen: 48.493 ug/l  
RT: 4.216 min Scan# 392  
Delta R.T. 0.006 min  
Lab File: VY016374.D  
Acq: 15 Nov 2023 18:17

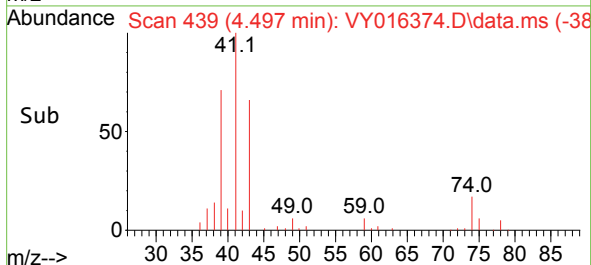
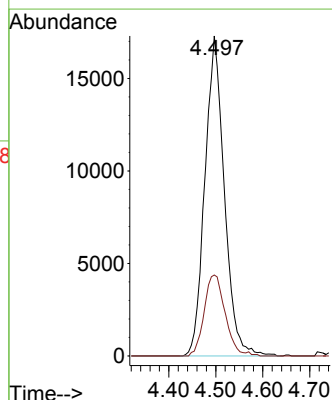
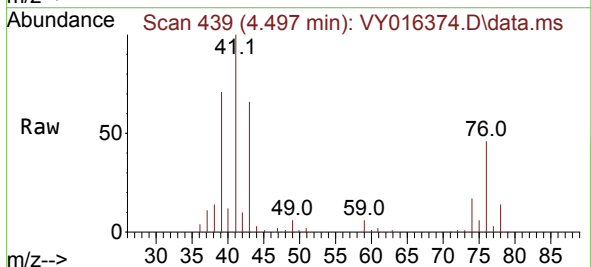
Instrument :  
MSVOA\_Y  
ClientSampleId :

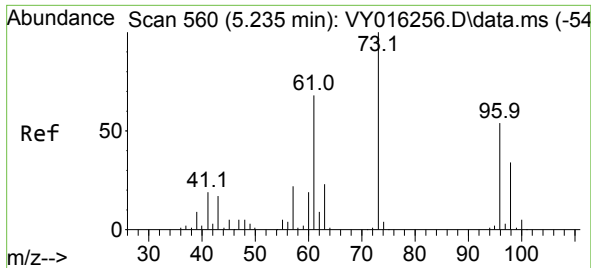
Tgt Ion: 76 Resp: 170608  
Ion Ratio Lower Upper  
76 100  
78 8.9 7.0 10.4



#18  
Methyl Acetate  
Concen: 53.638 ug/l  
RT: 4.497 min Scan# 439  
Delta R.T. 0.006 min  
Lab File: VY016374.D  
Acq: 15 Nov 2023 18:17

Tgt Ion: 43 Resp: 49720  
Ion Ratio Lower Upper  
43 100  
74 27.3 17.4 26.0#

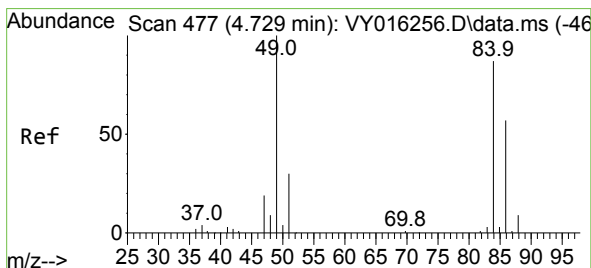
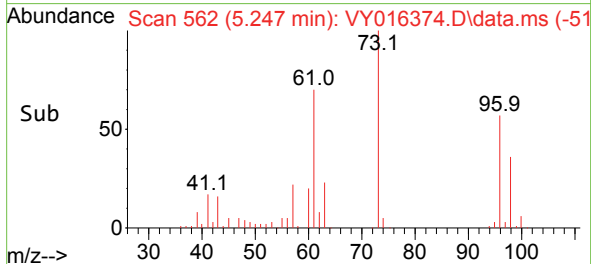
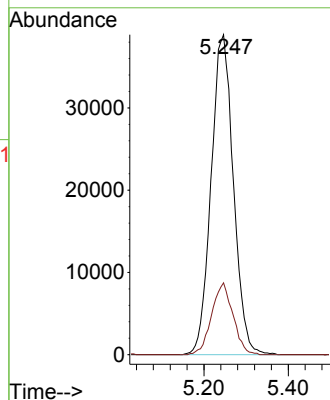
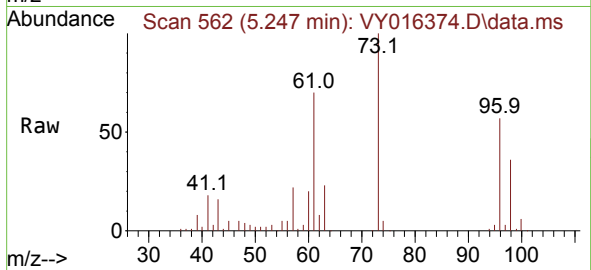




#19  
Methyl tert-butyl Ether  
Concen: 50.513 ug/l  
RT: 5.247 min Scan# 50  
Delta R.T. 0.012 min  
Lab File: VY016374.D  
Acq: 15 Nov 2023 18:17

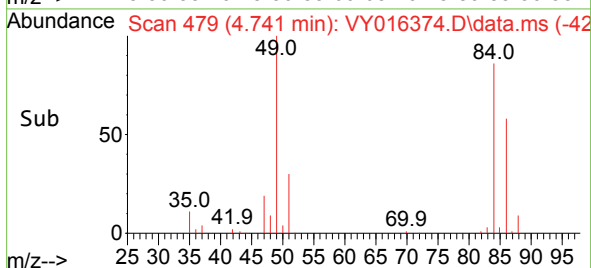
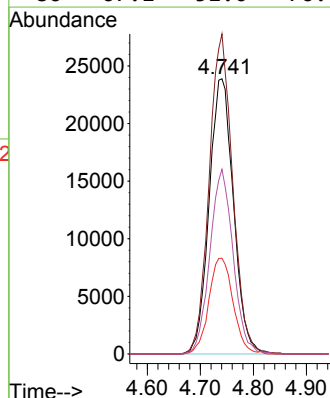
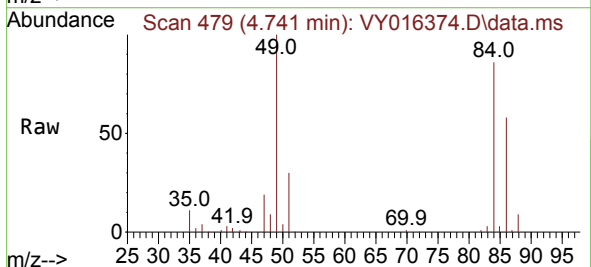
Instrument :  
MSVOA\_Y  
ClientSampleId :

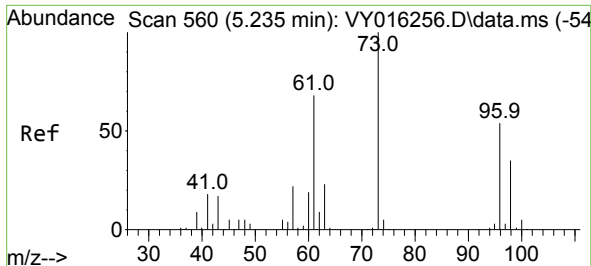
Tgt Ion: 73 Resp: 142557  
Ion Ratio Lower Upper  
73 100  
57 22.4 17.3 25.9



#20  
Methylene Chloride  
Concen: 62.630 ug/l  
RT: 4.741 min Scan# 479  
Delta R.T. 0.012 min  
Lab File: VY016374.D  
Acq: 15 Nov 2023 18:17

Tgt Ion: 84 Resp: 76098  
Ion Ratio Lower Upper  
84 100  
49 116.3 106.9 160.3  
51 34.8 33.2 49.8  
86 67.1 51.0 76.6

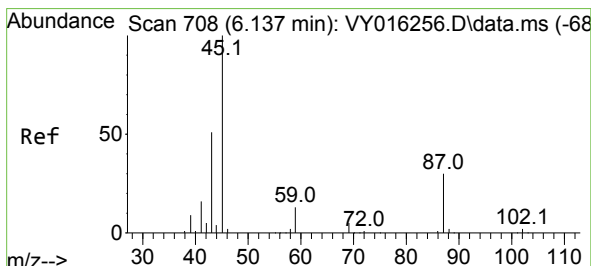
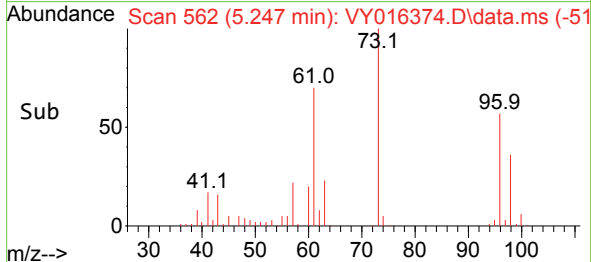
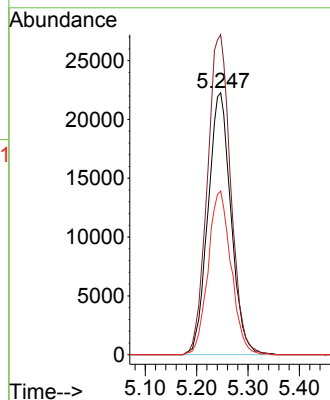
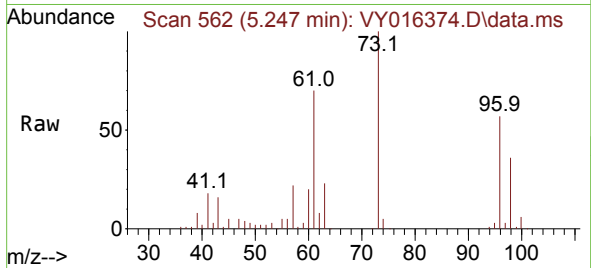




#21  
trans-1,2-Dichloroethene  
Concen: 51.535 ug/l  
RT: 5.247 min Scan# 51  
Delta R.T. 0.012 min  
Lab File: VY016374.D  
Acq: 15 Nov 2023 18:17

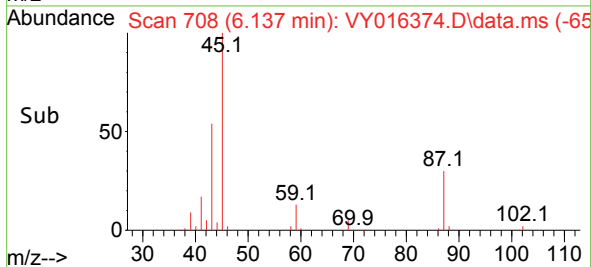
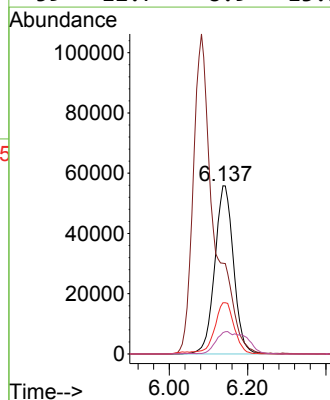
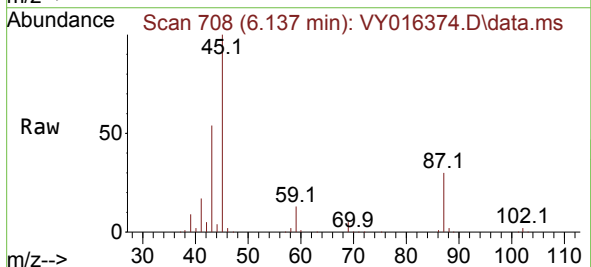
Instrument :  
MSVOA\_Y  
ClientSampleId :

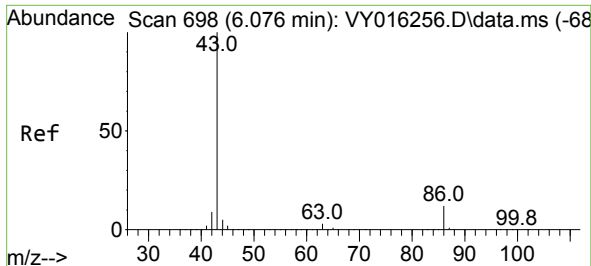
Tgt Ion: 96 Resp: 69189  
Ion Ratio Lower Upper  
96 100  
61 122.2 110.2 165.4  
98 62.5 51.8 77.6



#22  
Diisopropyl ether  
Concen: 52.110 ug/l  
RT: 6.137 min Scan# 708  
Delta R.T. -0.000 min  
Lab File: VY016374.D  
Acq: 15 Nov 2023 18:17

Tgt Ion: 45 Resp: 185827  
Ion Ratio Lower Upper  
45 100  
43 53.6 52.2 78.4  
87 30.5 21.0 31.6  
59 12.7 8.9 13.3

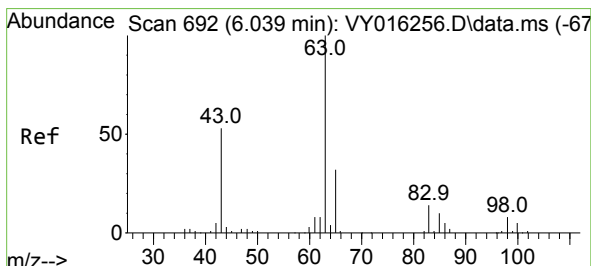
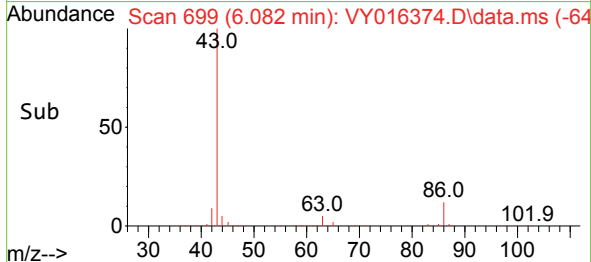
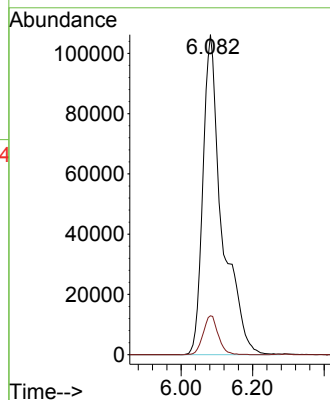
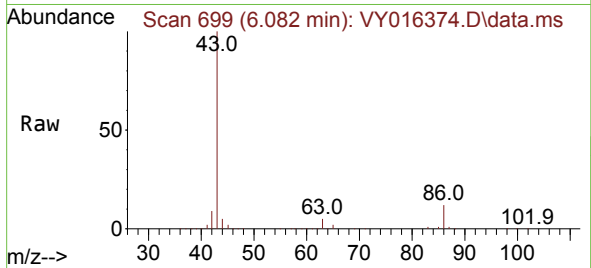




#23  
 Vinyl Acetate  
 Concen: 227.891 ug/l  
 RT: 6.082 min Scan# 699  
 Delta R.T. 0.006 min  
 Lab File: VY016374.D  
 Acq: 15 Nov 2023 18:17

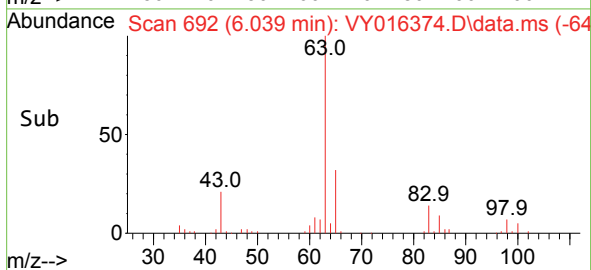
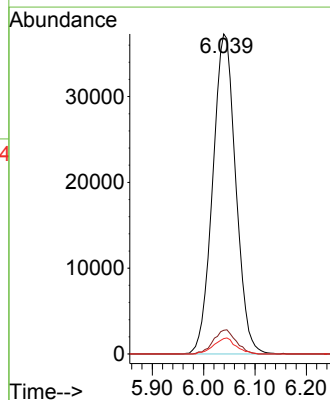
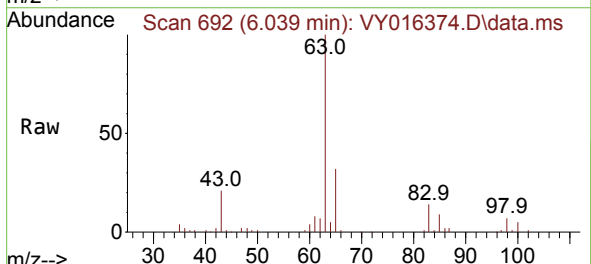
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

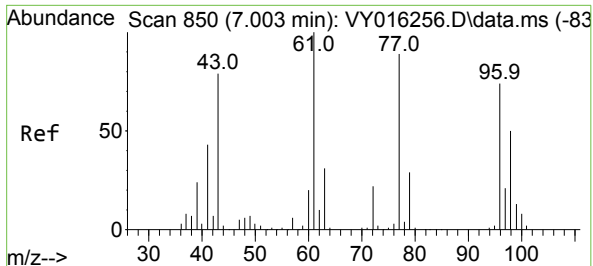
Tgt Ion: 43 Resp: 393779  
 Ion Ratio Lower Upper  
 43 100  
 86 12.1 7.5 11.3#



#24  
 1,1-Dichloroethane  
 Concen: 52.701 ug/l  
 RT: 6.039 min Scan# 692  
 Delta R.T. -0.000 min  
 Lab File: VY016374.D  
 Acq: 15 Nov 2023 18:17

Tgt Ion: 63 Resp: 115942  
 Ion Ratio Lower Upper  
 63 100  
 98 7.4 3.1 9.4  
 100 4.8 1.8 5.5





#25

2-Butanone

Concen: 231.674 ug/l

RT: 7.002 min Scan# 850

Delta R.T. -0.000 min

Lab File: VY016374.D

Acq: 15 Nov 2023 18:17

Instrument :

MSVOA\_Y

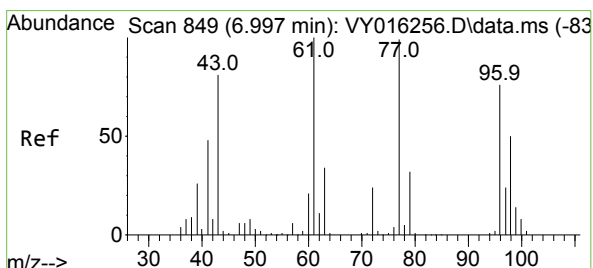
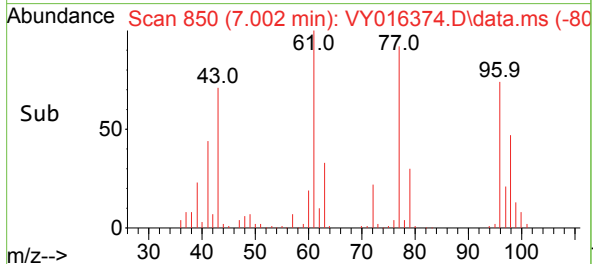
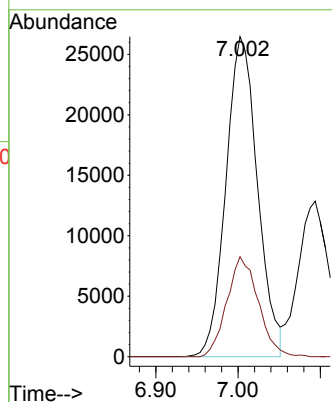
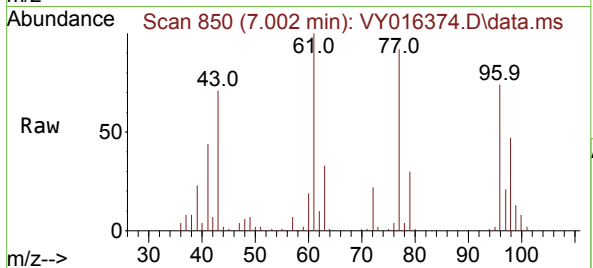
ClientSampleId :

Tgt Ion: 43 Resp: 70788

Ion Ratio Lower Upper

43 100

72 31.3 20.5 30.7#



#26

2,2-Dichloropropane

Concen: 51.455 ug/l

RT: 7.002 min Scan# 850

Delta R.T. 0.006 min

Lab File: VY016374.D

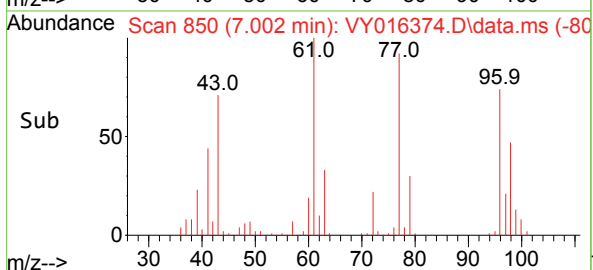
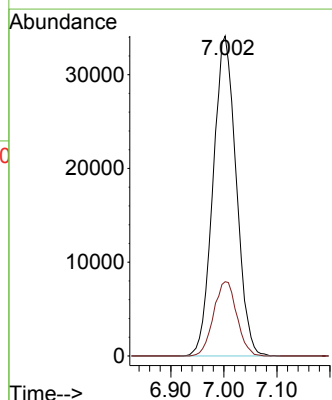
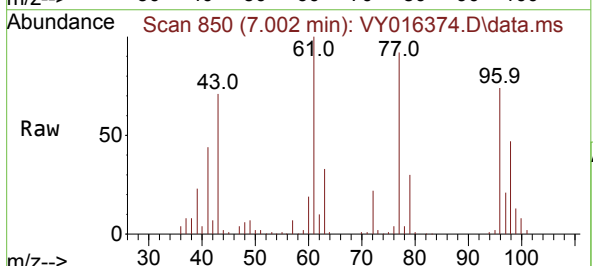
Acq: 15 Nov 2023 18:17

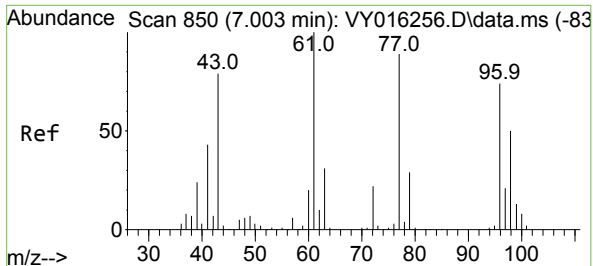
Tgt Ion: 77 Resp: 103027

Ion Ratio Lower Upper

77 100

97 23.4 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 53.095 ug/l

RT: 7.008 min Scan# 851

Delta R.T. 0.006 min

Lab File: VY016374.D

Acq: 15 Nov 2023 18:17

Instrument :

MSVOA\_Y

ClientSampleId :

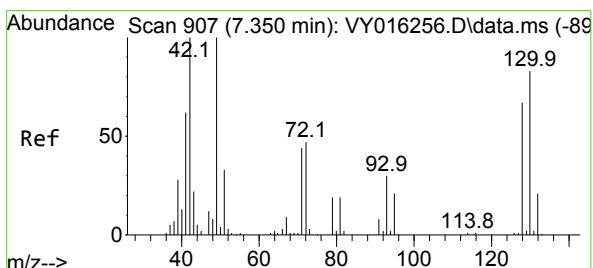
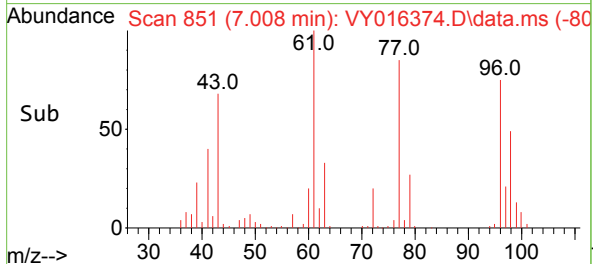
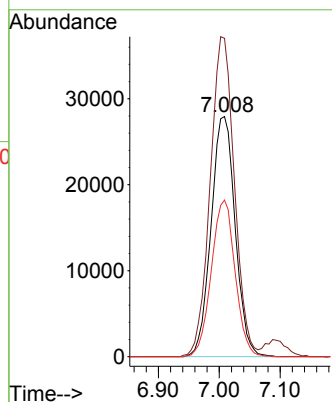
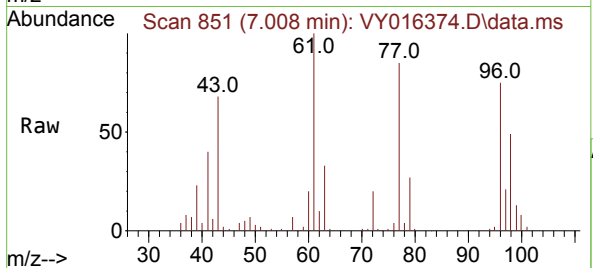
Tgt Ion: 96 Resp: 76822

Ion Ratio Lower Upper

96 100

61 133.7 0.0 301.4

98 64.3 0.0 130.4



#28

Bromochloromethane

Concen: 55.304 ug/l

RT: 7.356 min Scan# 908

Delta R.T. 0.006 min

Lab File: VY016374.D

Acq: 15 Nov 2023 18:17

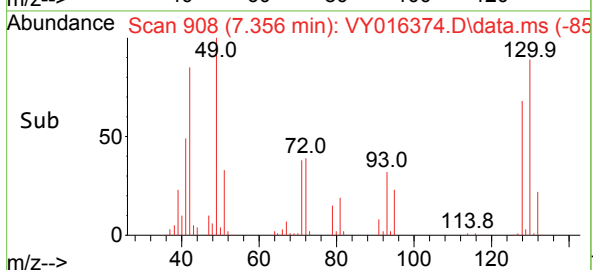
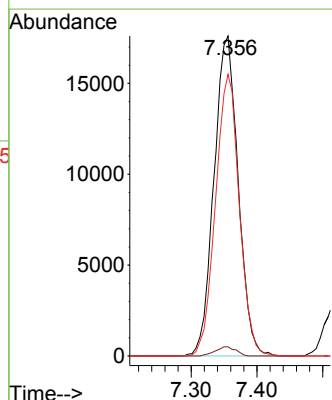
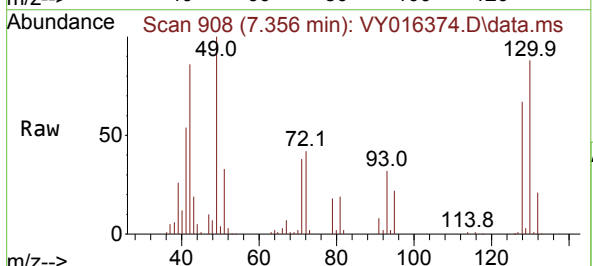
Tgt Ion: 49 Resp: 45029

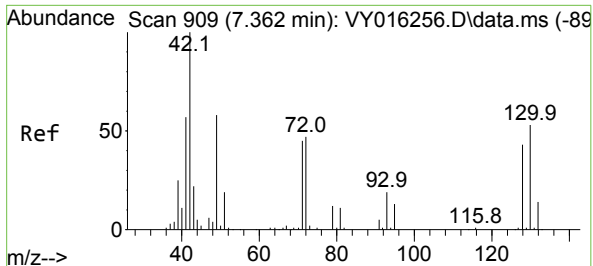
Ion Ratio Lower Upper

49 100

129 2.4 0.0 4.6

130 86.4 60.7 91.1





#29

Tetrahydrofuran

Concen: 238.202 ug/l

RT: 7.368 min Scan# 910

Delta R.T. 0.006 min

Lab File: VY016374.D

Acq: 15 Nov 2023 18:17

Instrument :

MSVOA\_Y

ClientSampleId :

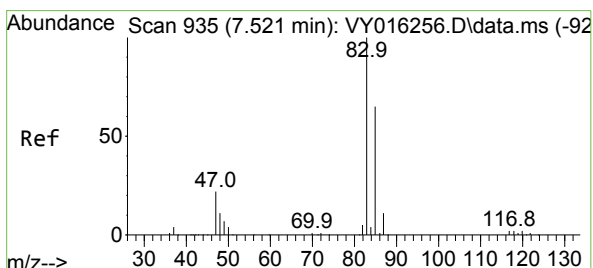
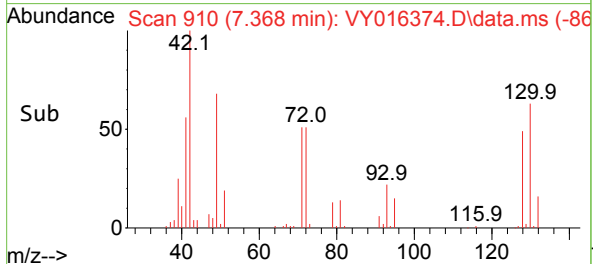
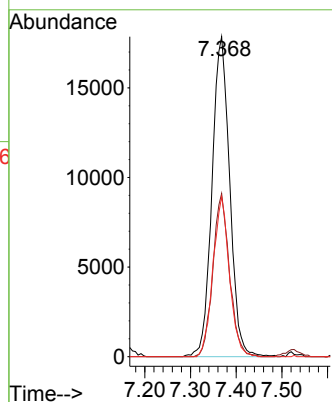
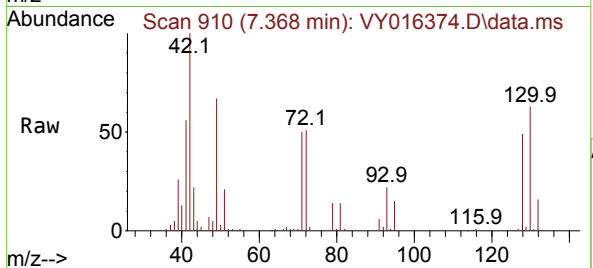
Tgt Ion: 42 Resp: 48107

Ion Ratio Lower Upper

42 100

72 47.9 32.8 49.2

71 46.4 31.0 46.4



#30

Chloroform

Concen: 54.086 ug/l

RT: 7.527 min Scan# 936

Delta R.T. 0.006 min

Lab File: VY016374.D

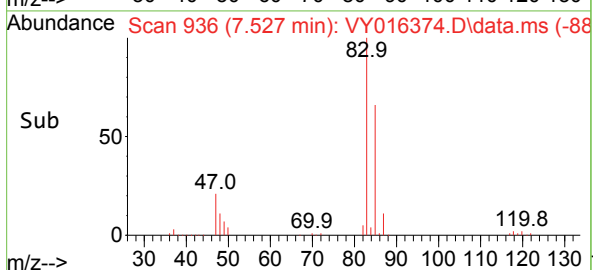
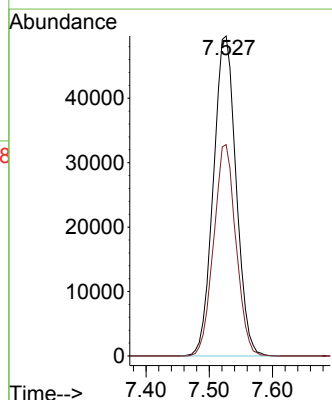
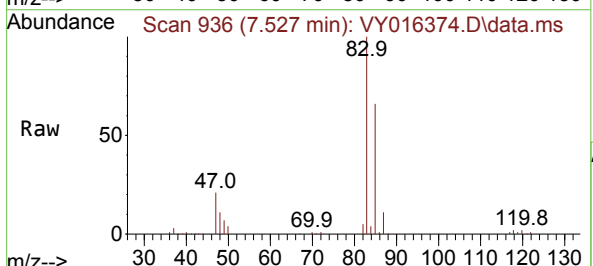
Acq: 15 Nov 2023 18:17

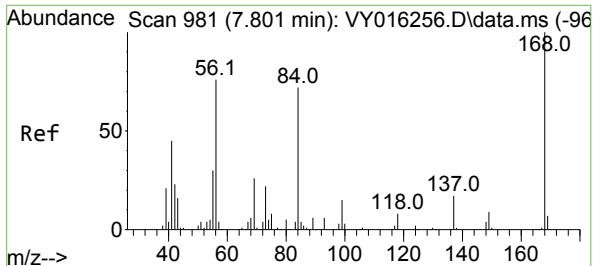
Tgt Ion: 83 Resp: 123854

Ion Ratio Lower Upper

83 100

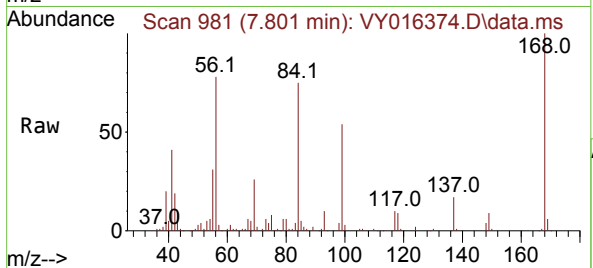
85 66.0 49.7 74.5



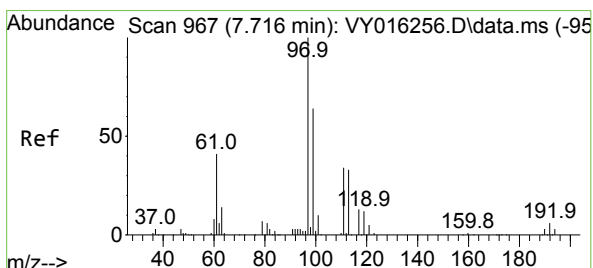
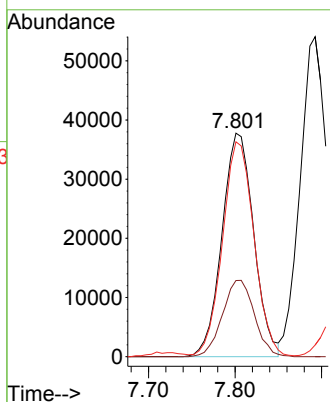
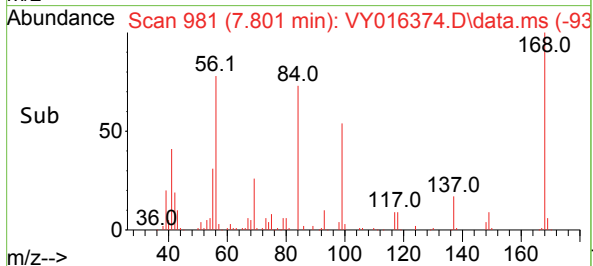


#31  
Cyclohexane  
Concen: 46.454 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. -0.000 min  
Lab File: VY016374.D  
Acq: 15 Nov 2023 18:17

Instrument :  
MSVOA\_Y  
ClientSampleId :

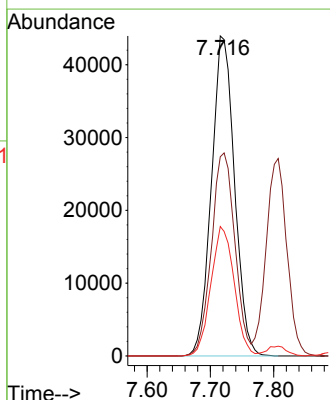
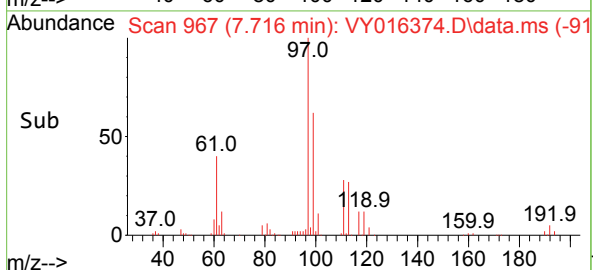
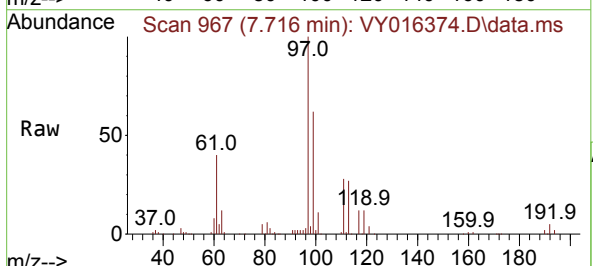


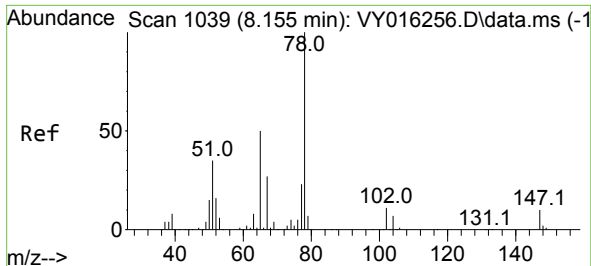
Tgt Ion: 56 Resp: 96454  
Ion Ratio Lower Upper  
56 100  
69 34.1 27.8 41.6  
84 94.8 66.4 99.6



#32  
1,1,1-Trichloroethane  
Concen: 52.940 ug/l  
RT: 7.716 min Scan# 967  
Delta R.T. -0.000 min  
Lab File: VY016374.D  
Acq: 15 Nov 2023 18:17

Tgt Ion: 97 Resp: 111127  
Ion Ratio Lower Upper  
97 100  
99 64.8 50.8 76.2  
61 40.8 35.1 52.7

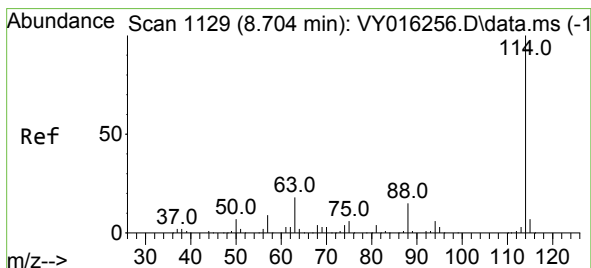
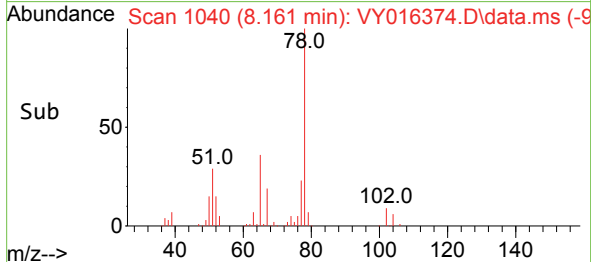
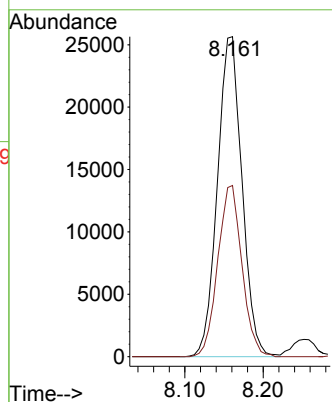
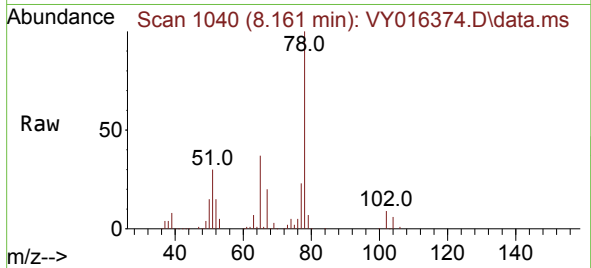




#33  
 1,2-Dichloroethane-d4  
 Concen: 53.065 ug/l  
 RT: 8.161 min Scan# 1104  
 Delta R.T. 0.006 min  
 Lab File: VY016374.D  
 Acq: 15 Nov 2023 18:17

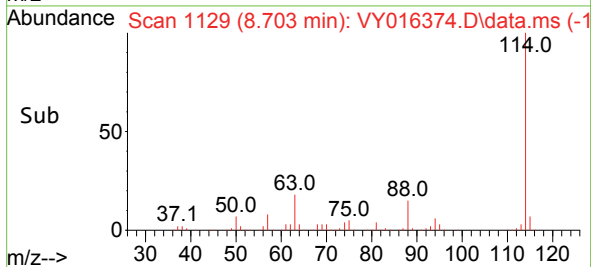
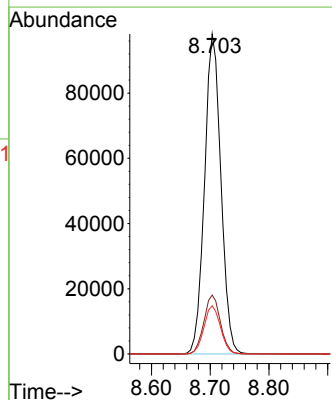
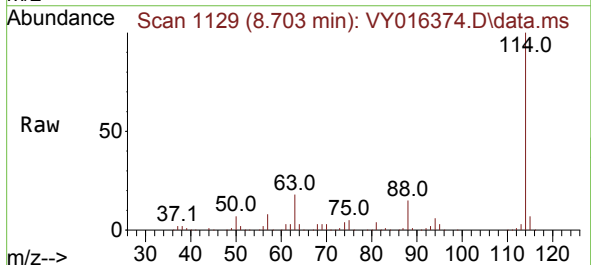
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

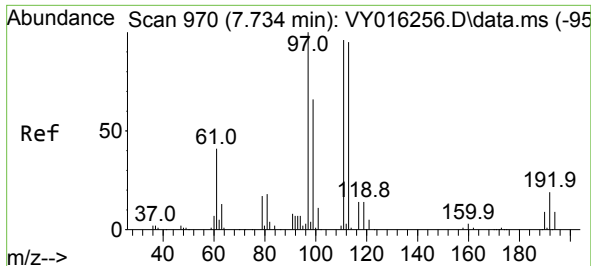
Tgt Ion: 65 Resp: 55963  
 Ion Ratio Lower Upper  
 65 100  
 67 52.7 0.0 101.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.703 min Scan# 1129  
 Delta R.T. -0.000 min  
 Lab File: VY016374.D  
 Acq: 15 Nov 2023 18:17

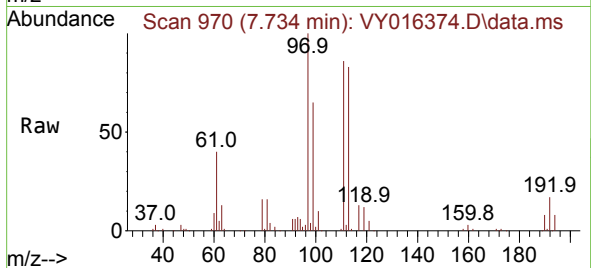
Tgt Ion:114 Resp: 189764  
 Ion Ratio Lower Upper  
 114 100  
 63 18.4 0.0 42.4  
 88 15.0 0.0 30.6



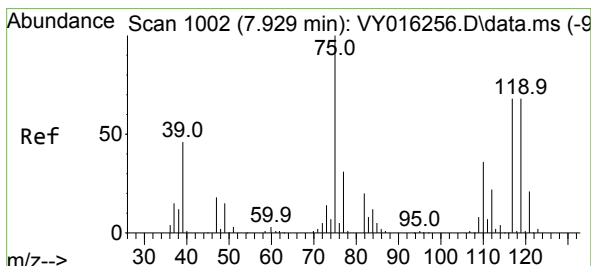
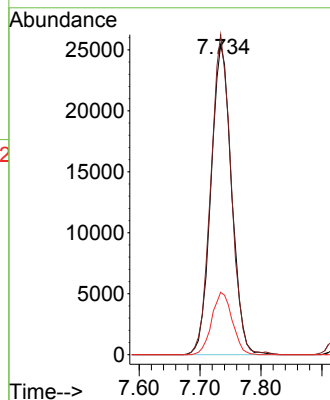
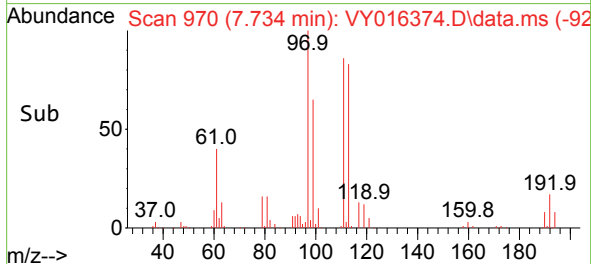


#35  
Dibromofluoromethane  
Concen: 55.279 ug/l  
RT: 7.734 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY016374.D  
Acq: 15 Nov 2023 18:17

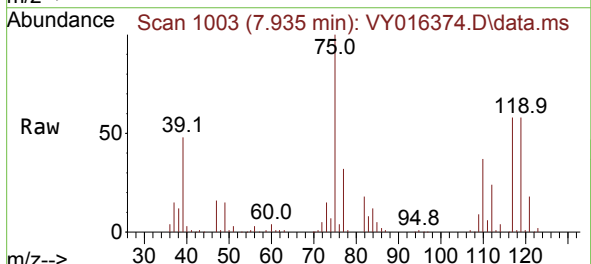
Instrument :  
MSVOA\_Y  
ClientSampleId :



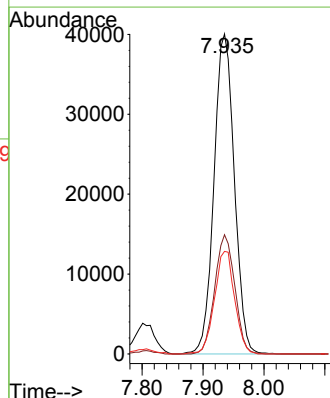
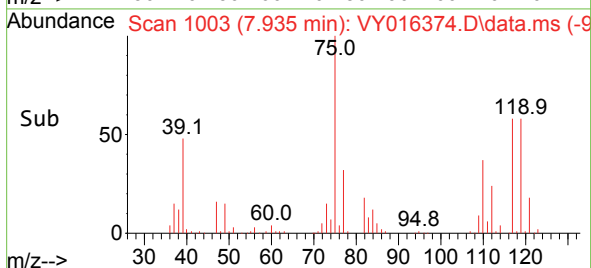
Tgt Ion:113 Resp: 59590  
Ion Ratio Lower Upper  
113 100  
111 101.9 81.3 121.9  
192 20.0 16.9 25.3

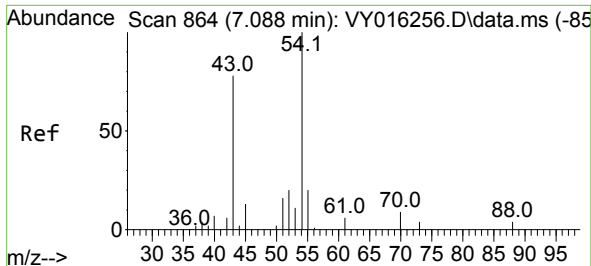


#36  
1,1-Dichloropropene  
Concen: 49.711 ug/l  
RT: 7.935 min Scan# 1003  
Delta R.T. 0.006 min  
Lab File: VY016374.D  
Acq: 15 Nov 2023 18:17



Tgt Ion: 75 Resp: 93049  
Ion Ratio Lower Upper  
75 100  
110 36.7 17.8 53.5  
77 31.8 24.4 36.6





#37

Ethyl Acetate

Concen: 46.187 ug/l

RT: 7.094 min Scan# 8

Delta R.T. 0.006 min

Lab File: VY016374.D

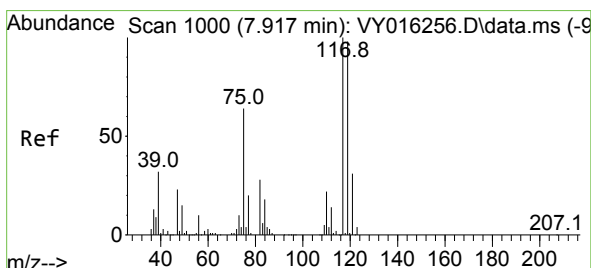
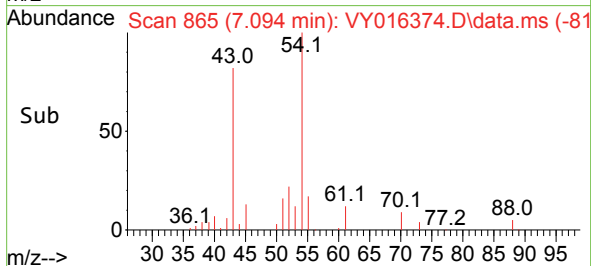
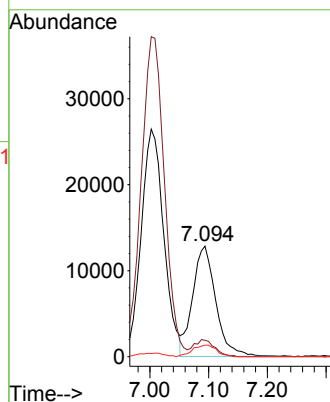
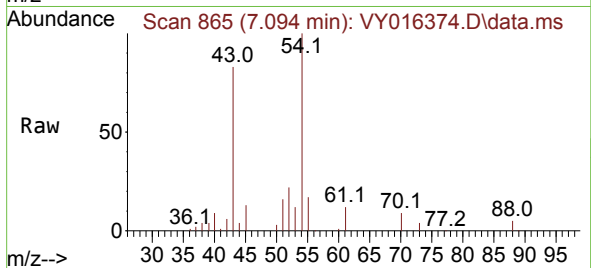
Acq: 15 Nov 2023 18:17

Instrument :

MSVOA\_Y

ClientSampleId :

|             |                |
|-------------|----------------|
| Tgt Ion: 43 | Resp: 34931    |
| Ion Ratio   | Lower Upper    |
| 43          | 100            |
| 61          | 14.0 10.1 15.1 |
| 70          | 11.0 7.1 10.7  |



#38

Carbon Tetrachloride

Concen: 52.168 ug/l

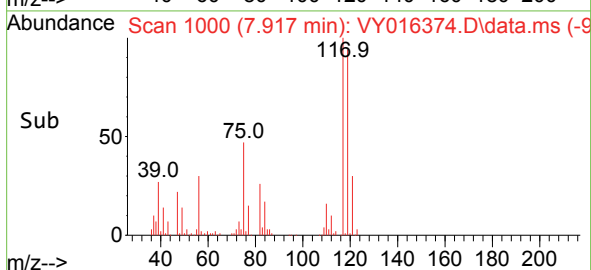
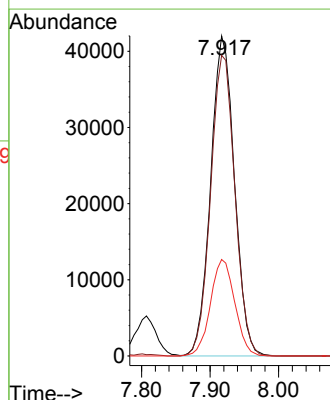
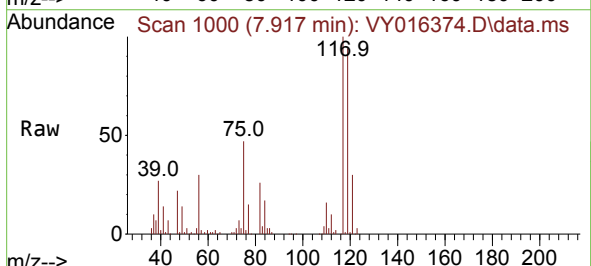
RT: 7.917 min Scan# 1000

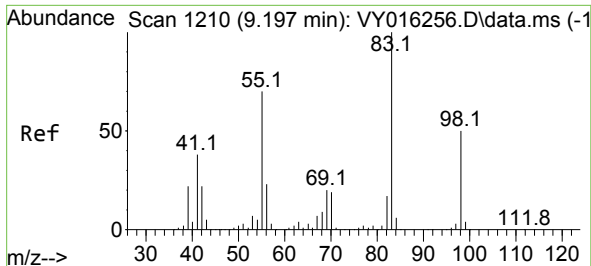
Delta R.T. -0.000 min

Lab File: VY016374.D

Acq: 15 Nov 2023 18:17

|              |                 |
|--------------|-----------------|
| Tgt Ion: 117 | Resp: 101346    |
| Ion Ratio    | Lower Upper     |
| 117          | 100             |
| 119          | 94.0 76.4 114.6 |
| 121          | 30.2 25.8 38.6  |





#39

Methylcyclohexane

Concen: 47.152 ug/l

RT: 9.197 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY016374.D

Acq: 15 Nov 2023 18:17

Instrument :

MSVOA\_Y

ClientSampleId :

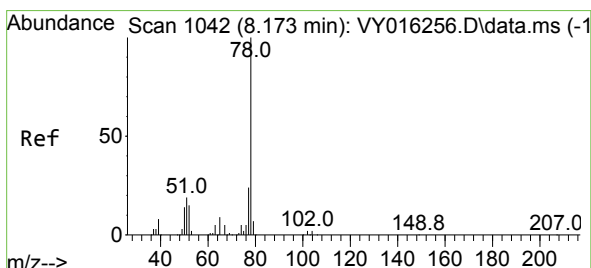
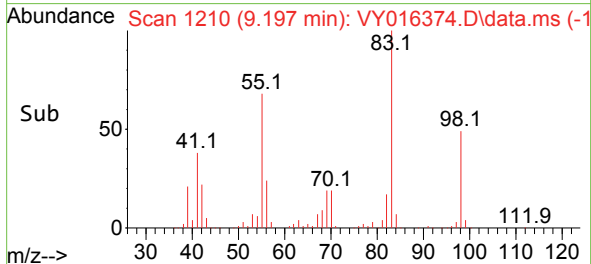
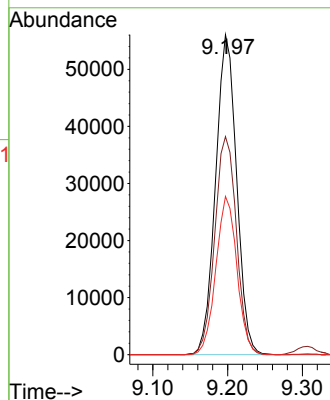
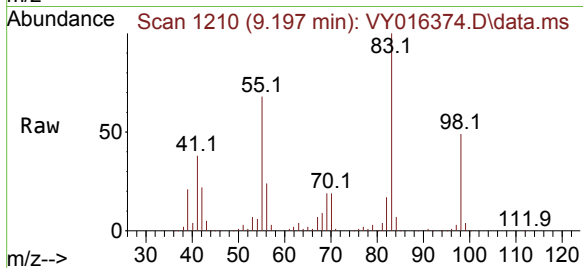
Tgt Ion: 83 Resp: 109978

Ion Ratio Lower Upper

83 100

55 68.2 63.0 94.4

98 49.5 37.4 56.2



#40

Benzene

Concen: 54.702 ug/l

RT: 8.179 min Scan# 1043

Delta R.T. 0.006 min

Lab File: VY016374.D

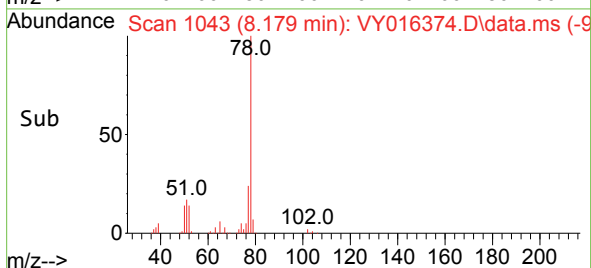
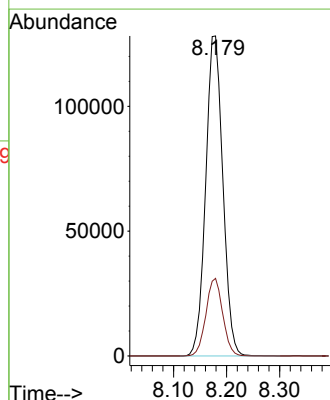
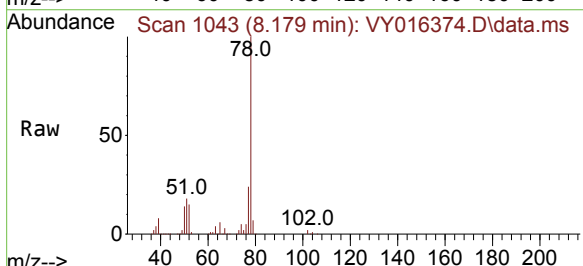
Acq: 15 Nov 2023 18:17

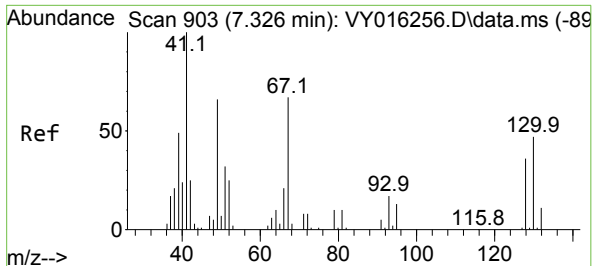
Tgt Ion: 78 Resp: 287672

Ion Ratio Lower Upper

78 100

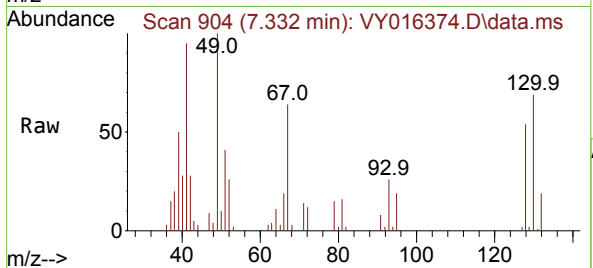
77 24.2 19.0 28.6



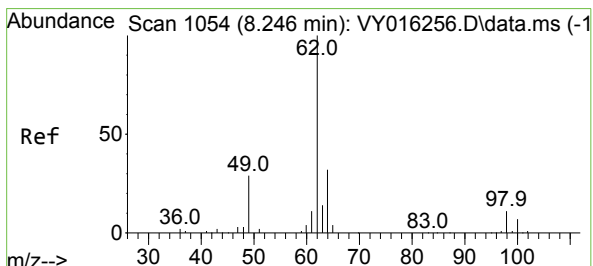
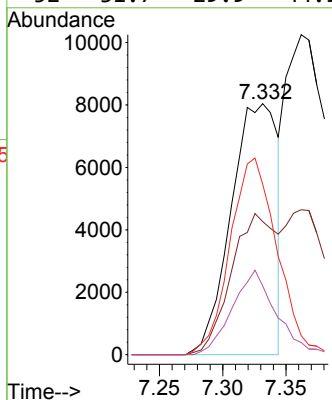
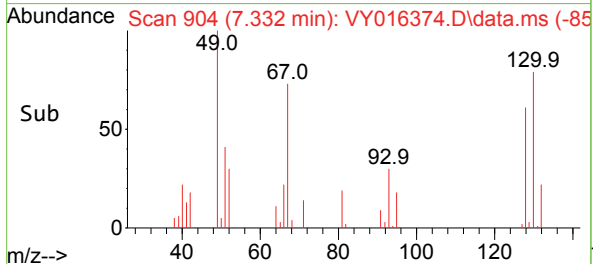


#41  
Methacrylonitrile  
Concen: 53.871 ug/l  
RT: 7.332 min Scan# 904  
Delta R.T. 0.006 min  
Lab File: VY016374.D  
Acq: 15 Nov 2023 18:17

Instrument :  
MSVOA\_Y  
ClientSampleId :

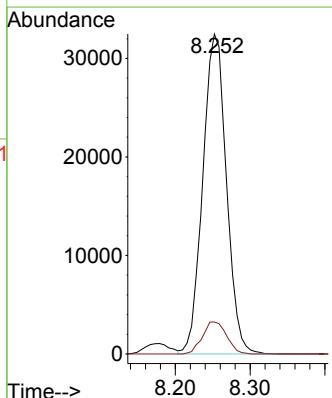
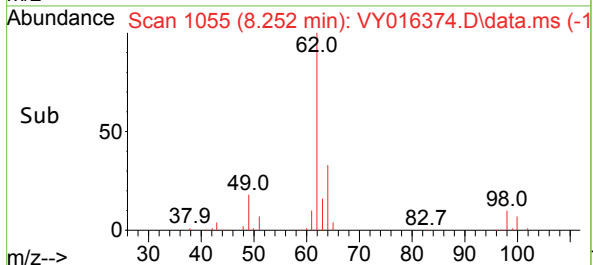
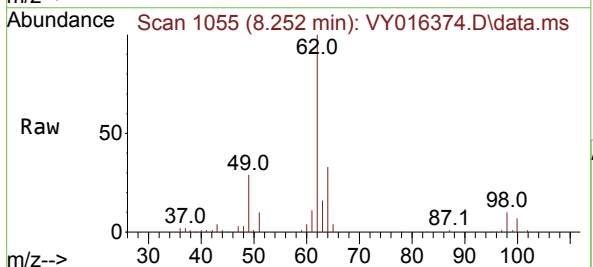


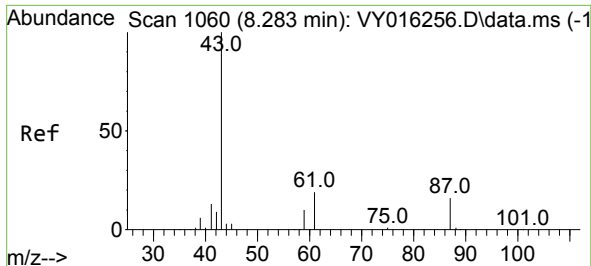
Tgt Ion: 41 Resp: 20543  
Ion Ratio Lower Upper  
41 100  
39 54.5 52.1 78.1  
67 79.1 66.2 99.2  
52 31.7 29.9 44.9



#42  
1,2-Dichloroethane  
Concen: 52.351 ug/l  
RT: 8.252 min Scan# 1055  
Delta R.T. 0.006 min  
Lab File: VY016374.D  
Acq: 15 Nov 2023 18:17

Tgt Ion: 62 Resp: 71334  
Ion Ratio Lower Upper  
62 100  
98 10.3 0.0 15.8

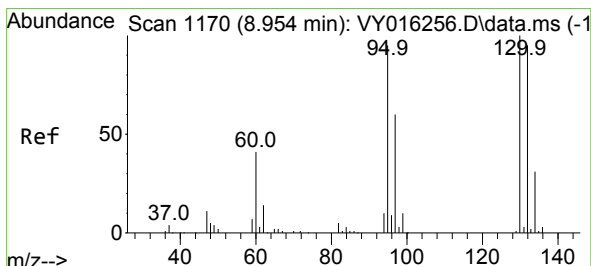
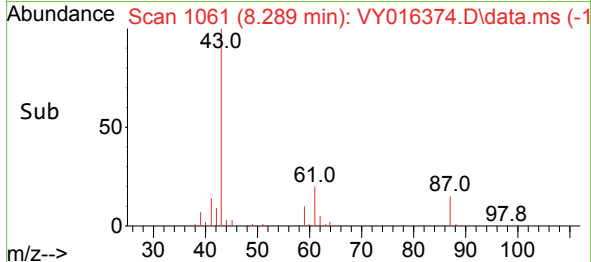
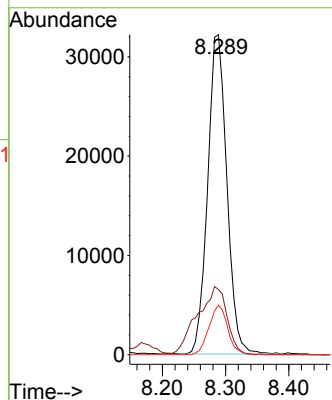
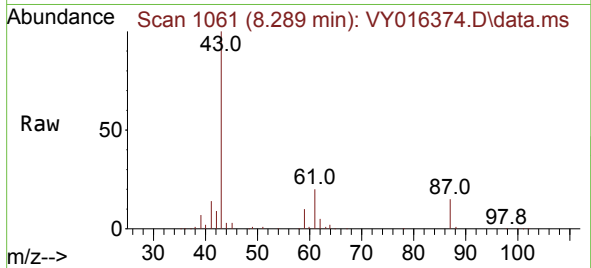




#43  
Isopropyl Acetate  
Concen: 46.462 ug/l  
RT: 8.289 min Scan# 1060  
Delta R.T. 0.006 min  
Lab File: VY016374.D  
Acq: 15 Nov 2023 18:17

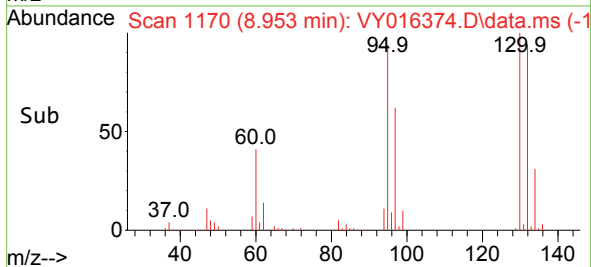
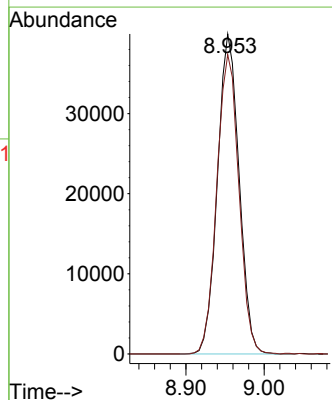
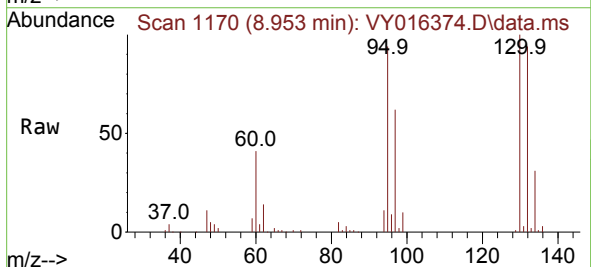
Instrument :  
MSVOA\_Y  
ClientSampleId :

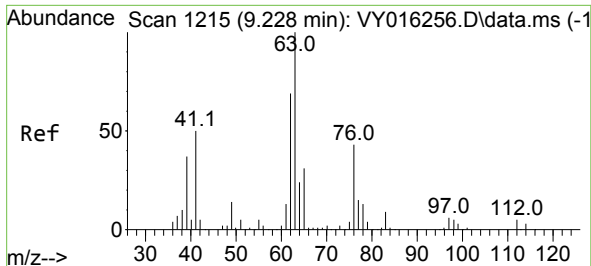
Tgt Ion: 43 Resp: 67924  
Ion Ratio Lower Upper  
43 100  
61 32.8 21.1 31.7#  
87 15.1 9.8 14.8#



#44  
Trichloroethene  
Concen: 50.743 ug/l  
RT: 8.953 min Scan# 1170  
Delta R.T. -0.000 min  
Lab File: VY016374.D  
Acq: 15 Nov 2023 18:17

Tgt Ion:130 Resp: 76693  
Ion Ratio Lower Upper  
130 100  
95 93.5 0.0 196.0

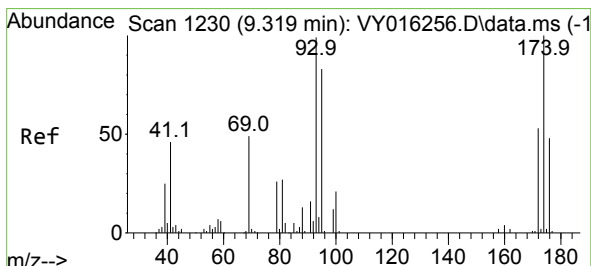
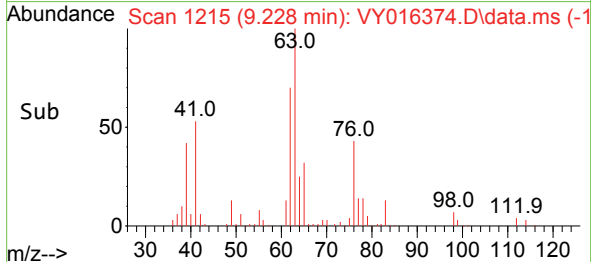
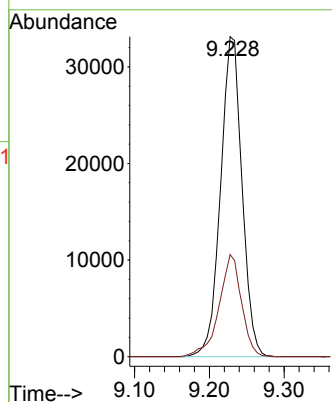
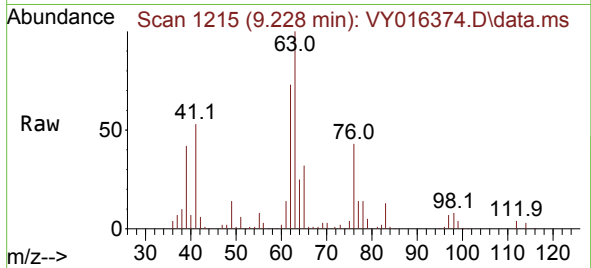




#45  
1,2-Dichloropropane  
Concen: 52.334 ug/l  
RT: 9.228 min Scan# 1215  
Delta R.T. -0.000 min  
Lab File: VY016374.D  
Acq: 15 Nov 2023 18:17

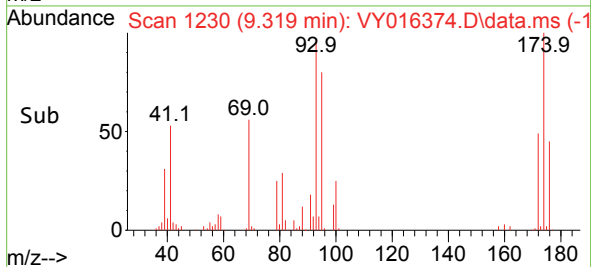
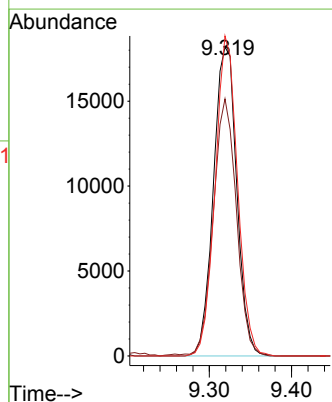
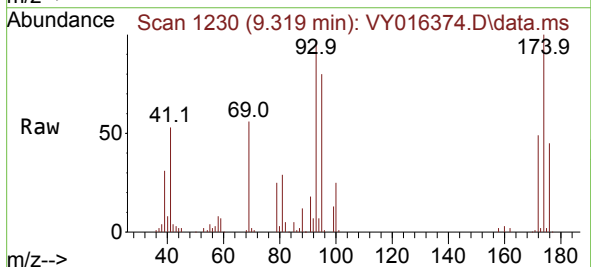
Instrument :  
MSVOA\_Y  
ClientSampleId :

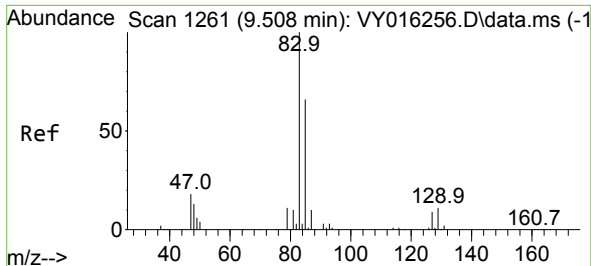
Tgt Ion: 63 Resp: 66097  
Ion Ratio Lower Upper  
63 100  
65 31.9 23.8 35.6



#46  
Dibromomethane  
Concen: 52.324 ug/l  
RT: 9.319 min Scan# 1230  
Delta R.T. -0.000 min  
Lab File: VY016374.D  
Acq: 15 Nov 2023 18:17

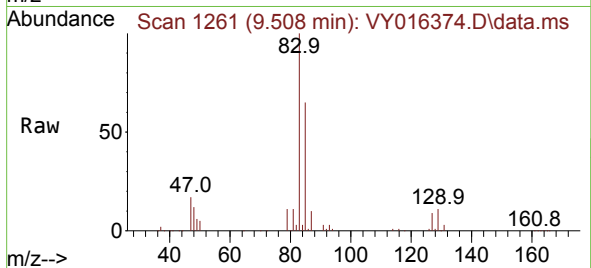
Tgt Ion: 93 Resp: 35811  
Ion Ratio Lower Upper  
93 100  
95 82.6 66.6 100.0  
174 99.4 84.8 127.2



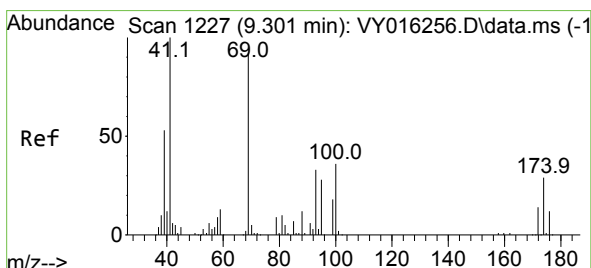
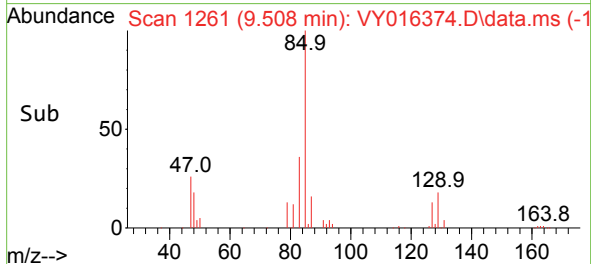
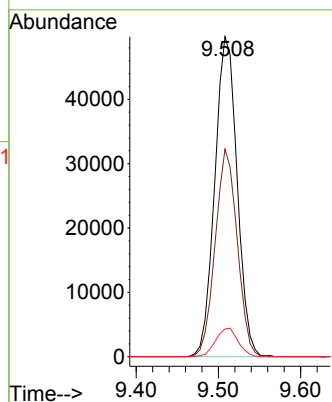


#47  
Bromodichloromethane  
Concen: 53.334 ug/l  
RT: 9.508 min Scan# 1261  
Delta R.T. -0.000 min  
Lab File: VY016374.D  
Acq: 15 Nov 2023 18:17

Instrument :  
MSVOA\_Y  
ClientSampleId :

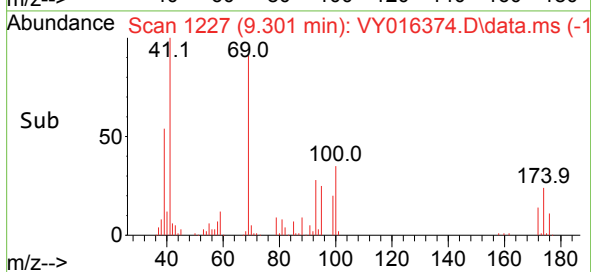
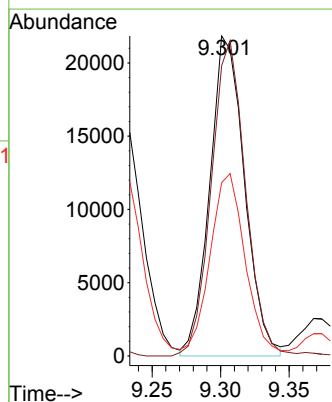
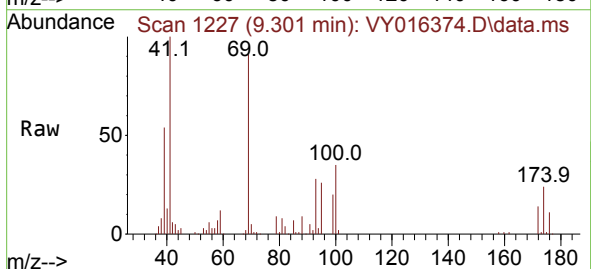


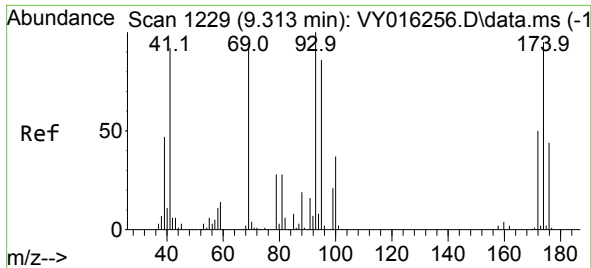
Tgt Ion: 83 Resp: 93844  
Ion Ratio Lower Upper  
83 100  
85 64.9 50.1 75.1  
127 8.7 7.1 10.7



#48  
Methyl methacrylate  
Concen: 47.749 ug/l  
RT: 9.301 min Scan# 1227  
Delta R.T. -0.000 min  
Lab File: VY016374.D  
Acq: 15 Nov 2023 18:17

Tgt Ion: 41 Resp: 38579  
Ion Ratio Lower Upper  
41 100  
69 97.7 64.5 96.7#  
39 54.6 50.8 76.2





#49

1,4-Dioxane

Concen: 840.762 ug/l

RT: 9.307 min Scan# 1228

Delta R.T. -0.006 min

Lab File: VY016374.D

Acq: 15 Nov 2023 18:17

Instrument :

MSVOA\_Y

ClientSampleId :

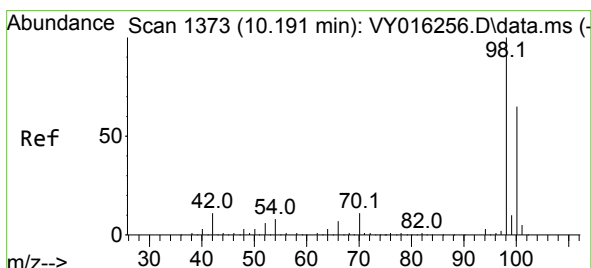
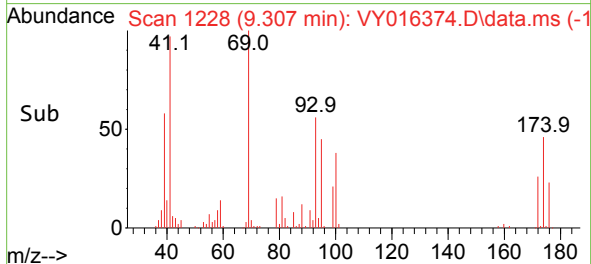
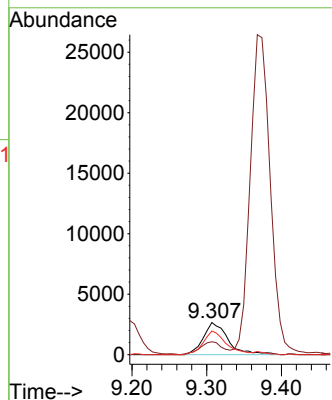
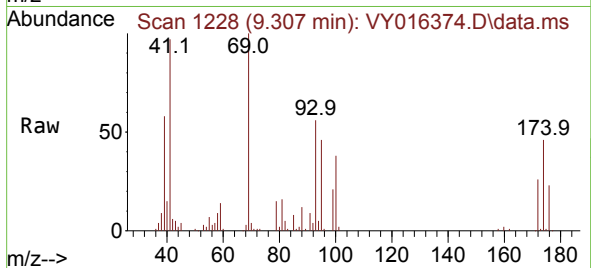
Tgt Ion: 88 Resp: 6109

Ion Ratio Lower Upper

88 100

43 36.8 0.0 0.0#

58 68.8 30.9 46.3#



#50

Toluene-d8

Concen: 52.673 ug/l

RT: 10.191 min Scan# 1373

Delta R.T. -0.000 min

Lab File: VY016374.D

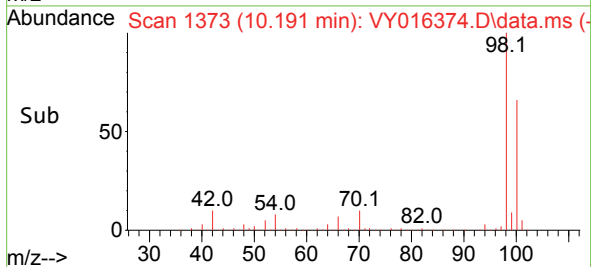
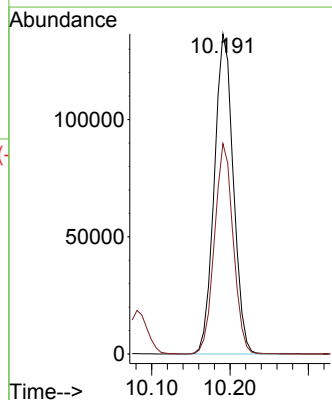
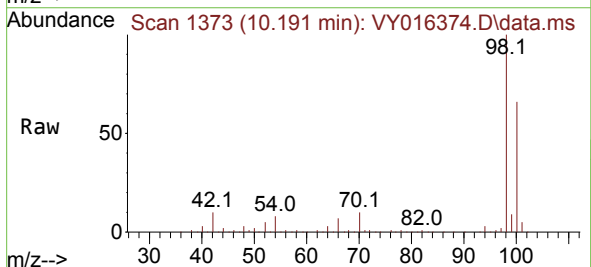
Acq: 15 Nov 2023 18:17

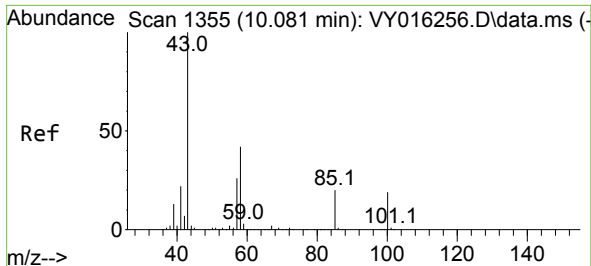
Tgt Ion: 98 Resp: 230256

Ion Ratio Lower Upper

98 100

100 64.7 50.1 75.1





#51

4-Methyl-2-Pentanone

Concen: 235.460 ug/l

RT: 10.081 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY016374.D

Acq: 15 Nov 2023 18:17

Instrument :

MSVOA\_Y

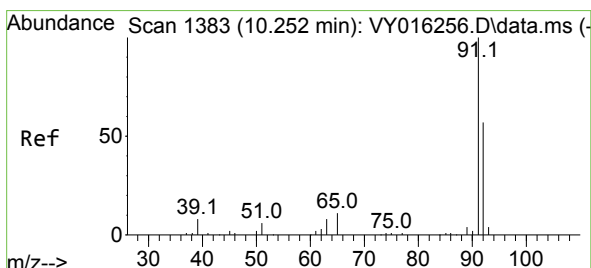
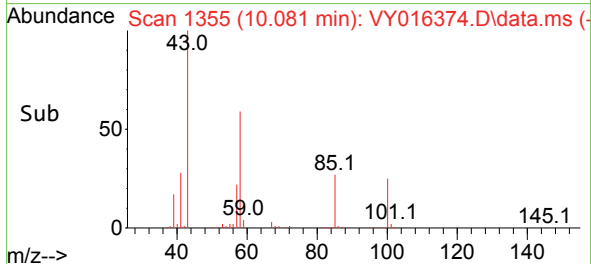
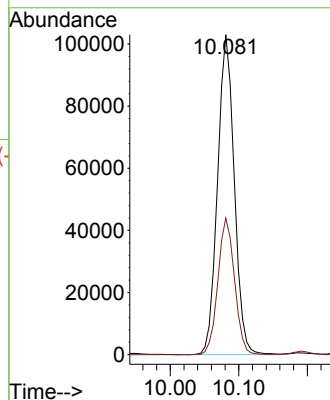
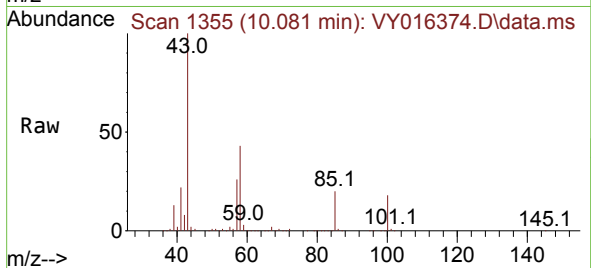
ClientSampleId :

Tgt Ion: 43 Resp: 174066

Ion Ratio Lower Upper

43 100

58 42.5 29.0 43.6



#52

Toluene

Concen: 51.830 ug/l

RT: 10.258 min Scan# 1384

Delta R.T. 0.006 min

Lab File: VY016374.D

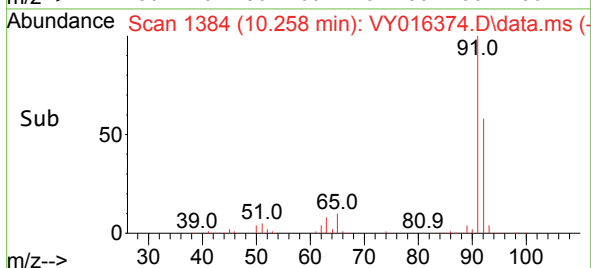
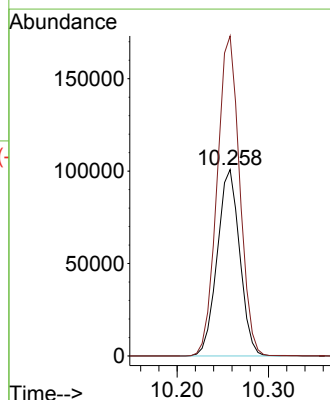
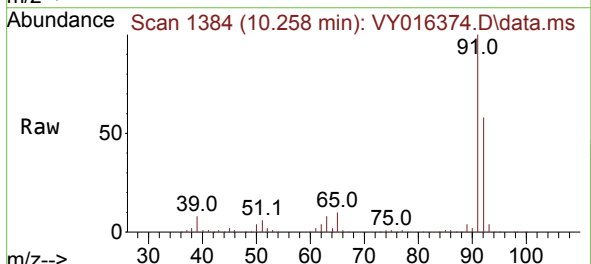
Acq: 15 Nov 2023 18:17

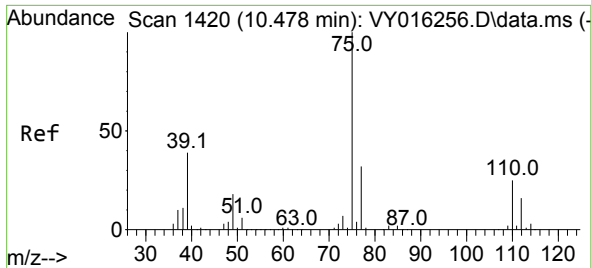
Tgt Ion: 92 Resp: 172300

Ion Ratio Lower Upper

92 100

91 172.6 143.8 215.6

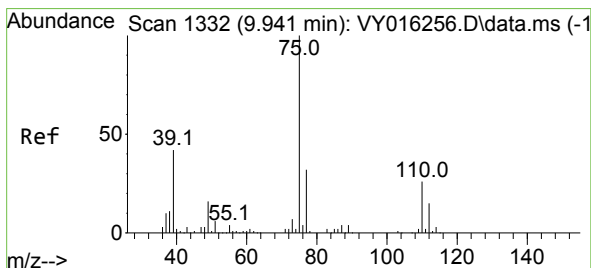
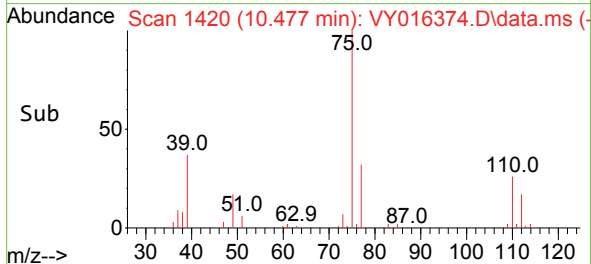
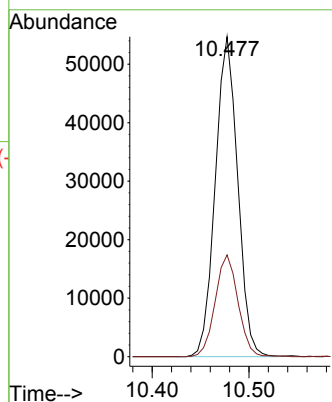
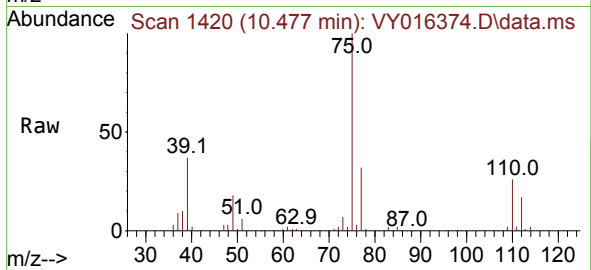




#53  
 t-1,3-Dichloropropene  
 Concen: 51.493 ug/l  
 RT: 10.477 min Scan# 1420  
 Delta R.T. -0.000 min  
 Lab File: VY016374.D  
 Acq: 15 Nov 2023 18:17

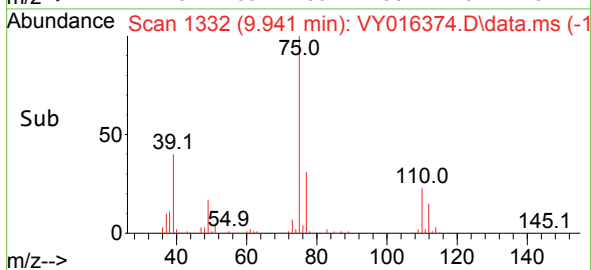
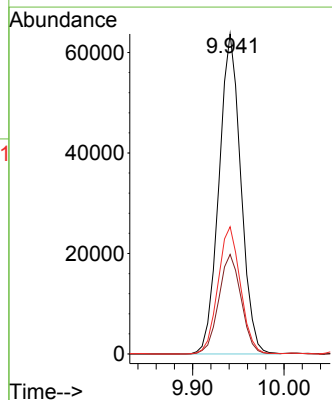
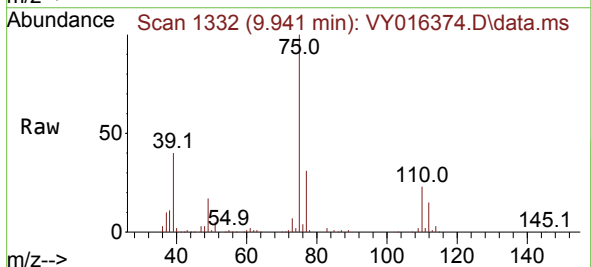
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

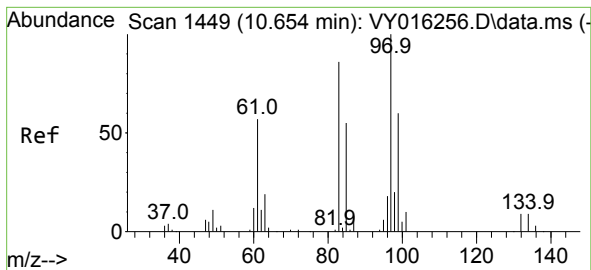
Tgt Ion: 75 Resp: 87833  
 Ion Ratio Lower Upper  
 75 100  
 77 31.8 25.0 37.4



#54  
 cis-1,3-Dichloropropene  
 Concen: 52.003 ug/l  
 RT: 9.941 min Scan# 1332  
 Delta R.T. -0.000 min  
 Lab File: VY016374.D  
 Acq: 15 Nov 2023 18:17

Tgt Ion: 75 Resp: 105947  
 Ion Ratio Lower Upper  
 75 100  
 77 31.1 24.2 36.4  
 39 39.7 42.2 63.4#





#55

1,1,2-Trichloroethane

Concen: 52.324 ug/l

RT: 10.654 min Scan# 1449

Delta R.T. -0.000 min

Lab File: VY016374.D

Acq: 15 Nov 2023 18:17

Instrument :

MSVOA\_Y

ClientSampleId :

Tgt Ion: 97 Resp: 49359

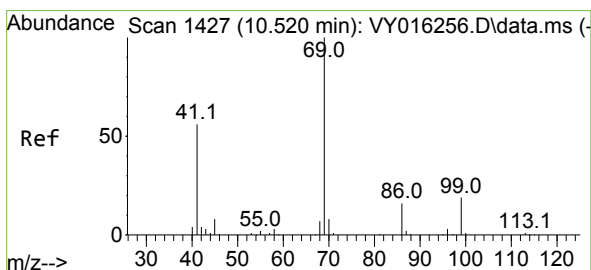
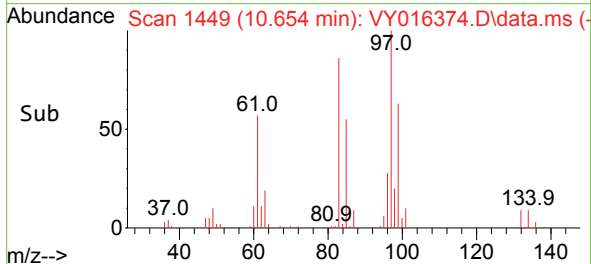
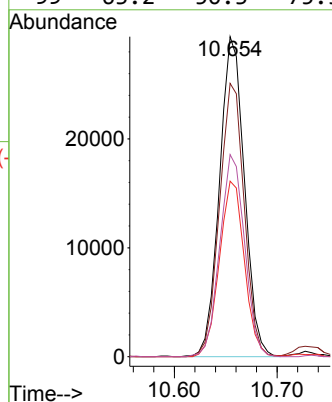
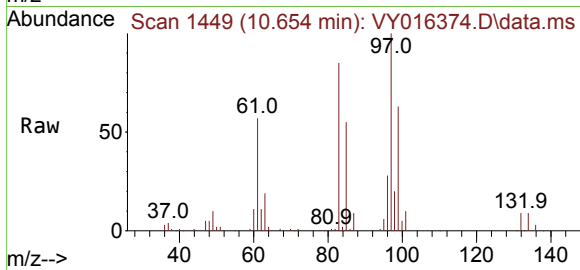
Ion Ratio Lower Upper

97 100

83 85.4 72.0 108.0

85 54.9 45.4 68.0

99 63.2 50.3 75.5



#56

Ethyl methacrylate

Concen: 50.086 ug/l

RT: 10.520 min Scan# 1427

Delta R.T. -0.000 min

Lab File: VY016374.D

Acq: 15 Nov 2023 18:17

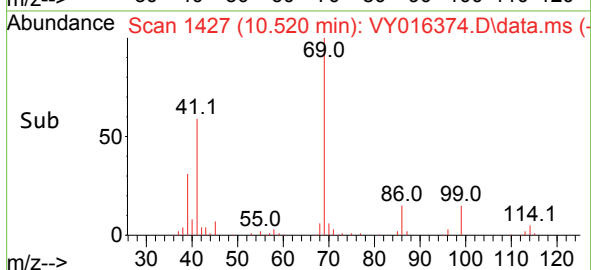
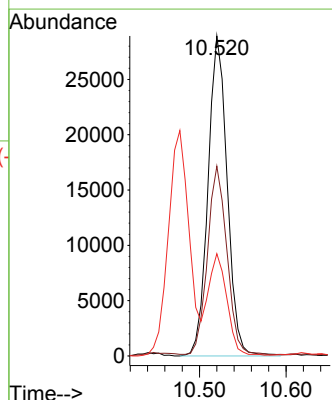
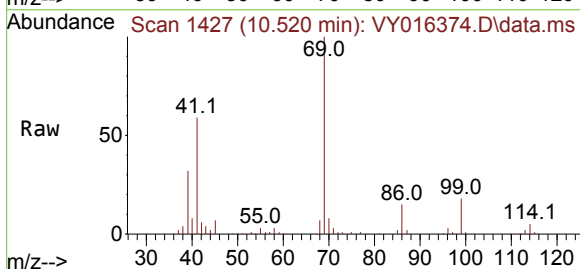
Tgt Ion: 69 Resp: 44600

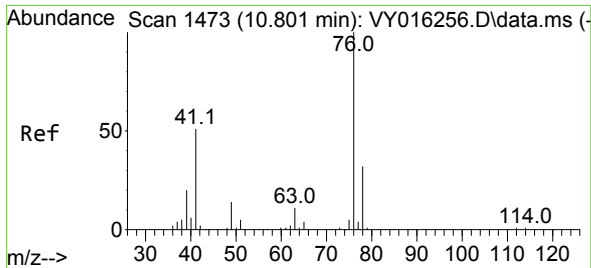
Ion Ratio Lower Upper

69 100

41 59.9 57.6 86.4

39 31.2 34.1 51.1#





#57

1,3-Dichloropropane

Concen: 51.619 ug/l

RT: 10.800 min Scan# 1473

Delta R.T. -0.000 min

Lab File: VY016374.D

Acq: 15 Nov 2023 18:17

Instrument :

MSVOA\_Y

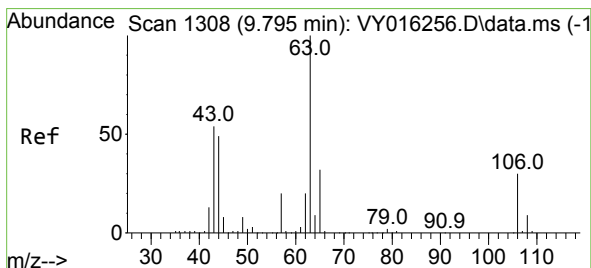
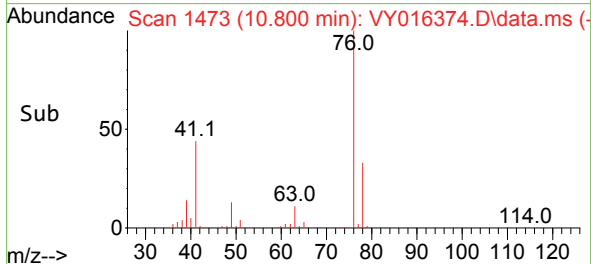
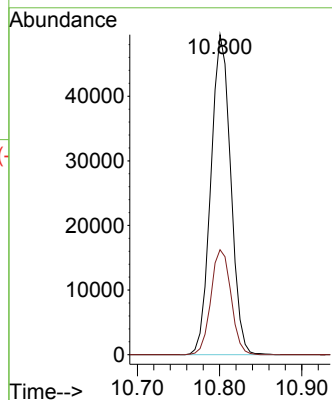
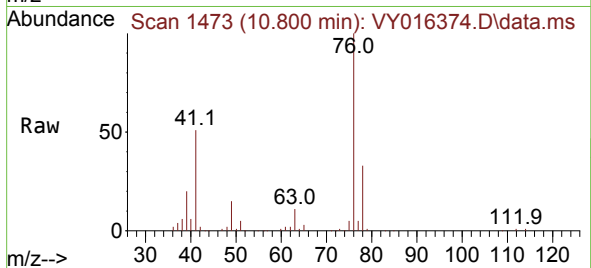
ClientSampleId :

Tgt Ion: 76 Resp: 83002

Ion Ratio Lower Upper

76 100

78 33.2 25.3 37.9



#58

2-Chloroethyl Vinyl ether

Concen: 254.635 ug/l

RT: 9.795 min Scan# 1308

Delta R.T. -0.000 min

Lab File: VY016374.D

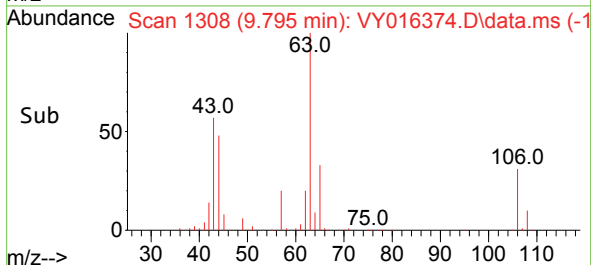
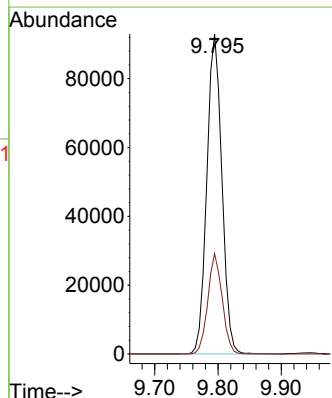
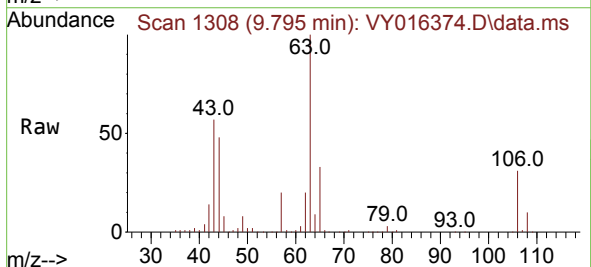
Acq: 15 Nov 2023 18:17

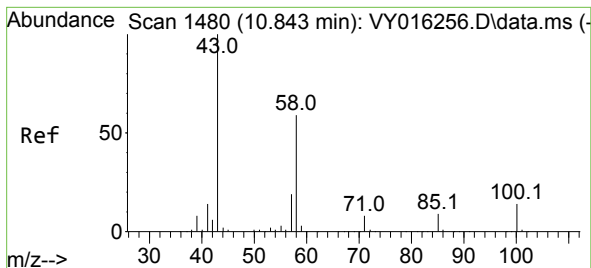
Tgt Ion: 63 Resp: 153749

Ion Ratio Lower Upper

63 100

106 29.9 21.2 31.8

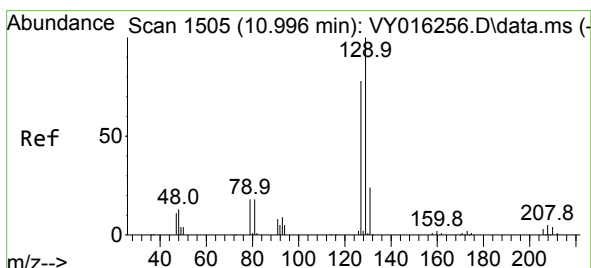
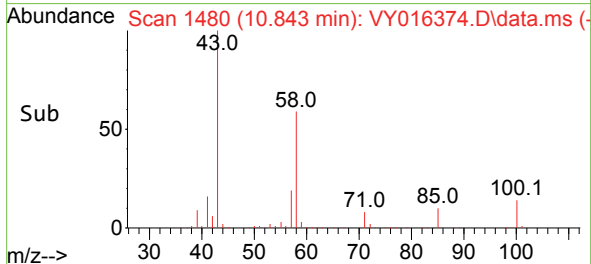
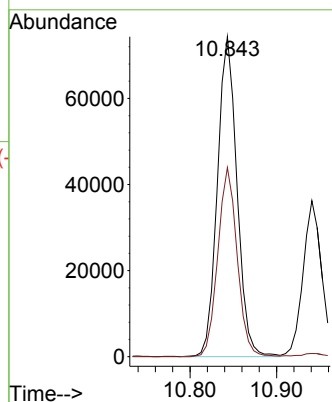
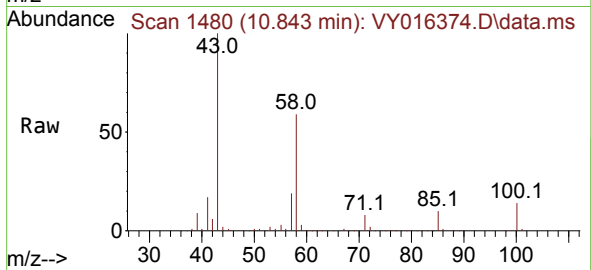




#59  
2-Hexanone  
Concen: 212.456 ug/l  
RT: 10.843 min Scan# 1480  
Delta R.T. -0.000 min  
Lab File: VY016374.D  
Acq: 15 Nov 2023 18:17

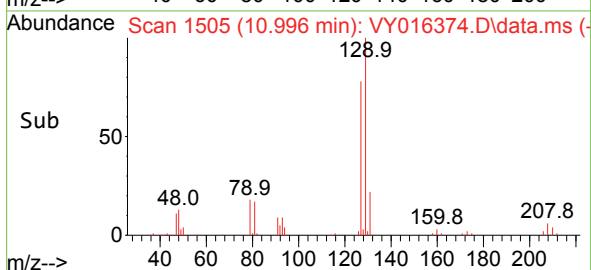
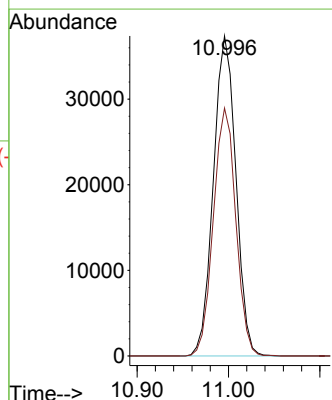
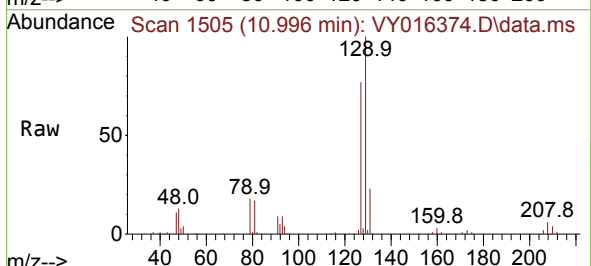
Instrument :  
MSVOA\_Y  
ClientSampleId :

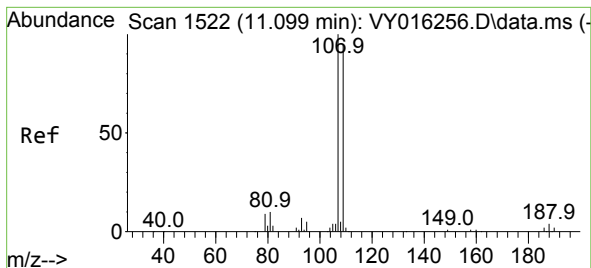
Tgt Ion: 43 Resp: 116825  
Ion Ratio Lower Upper  
43 100  
58 58.4 25.1 75.3



#60  
Dibromochloromethane  
Concen: 54.204 ug/l  
RT: 10.996 min Scan# 1505  
Delta R.T. -0.000 min  
Lab File: VY016374.D  
Acq: 15 Nov 2023 18:17

Tgt Ion:129 Resp: 63949  
Ion Ratio Lower Upper  
129 100  
127 77.3 38.5 115.5

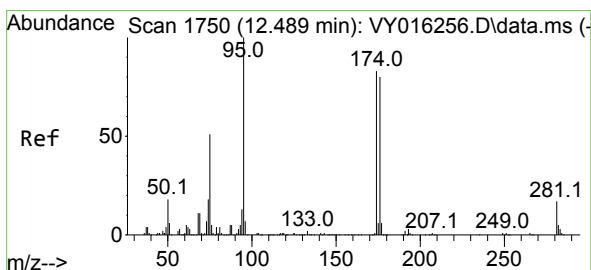
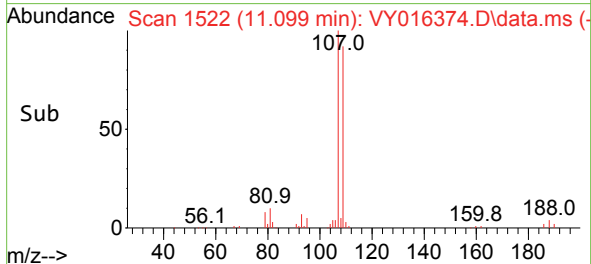
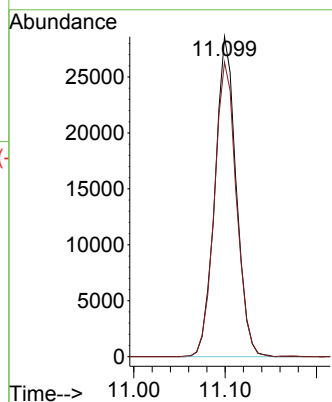
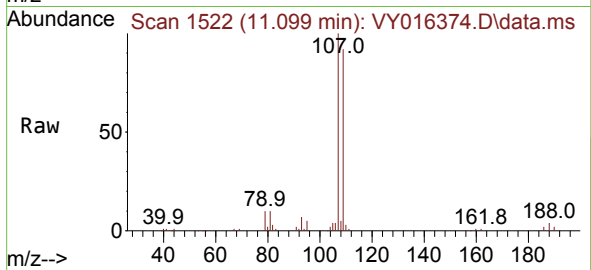




#61  
1,2-Dibromoethane  
Concen: 51.391 ug/l  
RT: 11.099 min Scan# 1522  
Delta R.T. -0.000 min  
Lab File: VY016374.D  
Acq: 15 Nov 2023 18:17

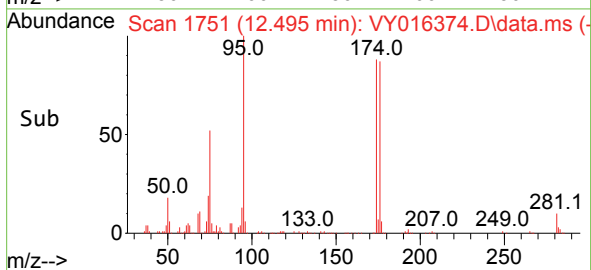
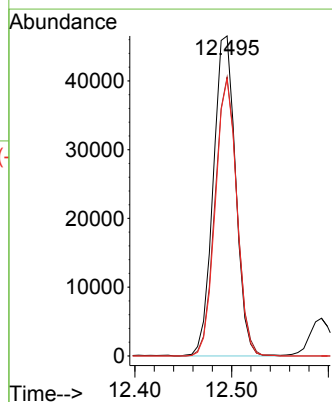
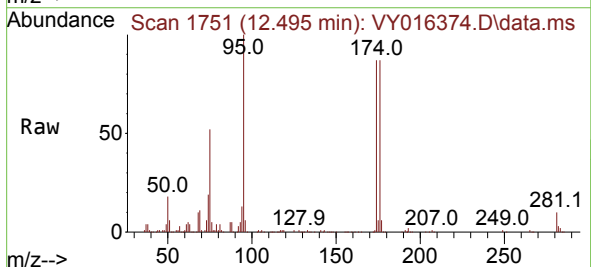
Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion:107 Resp: 46186  
Ion Ratio Lower Upper  
107 100  
109 95.3 75.6 113.4



#62  
4-Bromofluorobenzene  
Concen: 52.540 ug/l  
RT: 12.495 min Scan# 1751  
Delta R.T. 0.006 min  
Lab File: VY016374.D  
Acq: 15 Nov 2023 18:17

Tgt Ion: 95 Resp: 74595  
Ion Ratio Lower Upper  
95 100  
174 85.1 0.0 178.2  
176 82.9 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.502 min Scan# 11

Delta R.T. -0.000 min

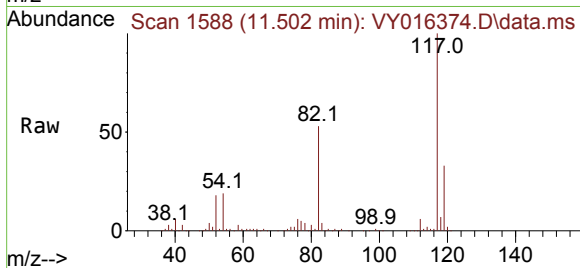
Lab File: VY016374.D

Acq: 15 Nov 2023 18:17

Instrument :

MSVOA\_Y

ClientSampleId :



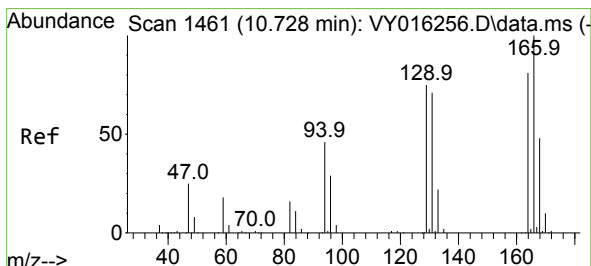
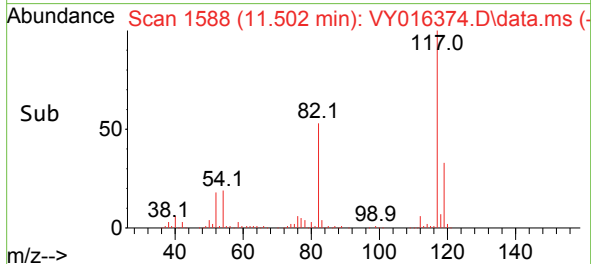
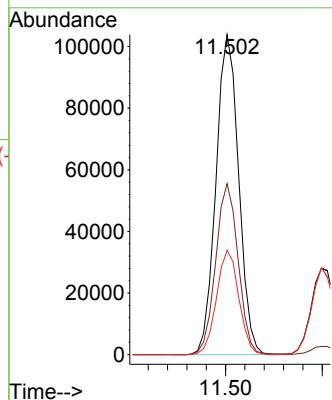
Tgt Ion:117 Resp: 169105

Ion Ratio Lower Upper

117 100

82 53.5 43.4 65.0

119 32.6 26.3 39.5



#64

Tetrachloroethene

Concen: 49.358 ug/l

RT: 10.733 min Scan# 1462

Delta R.T. 0.006 min

Lab File: VY016374.D

Acq: 15 Nov 2023 18:17

Tgt Ion:164 Resp: 74945

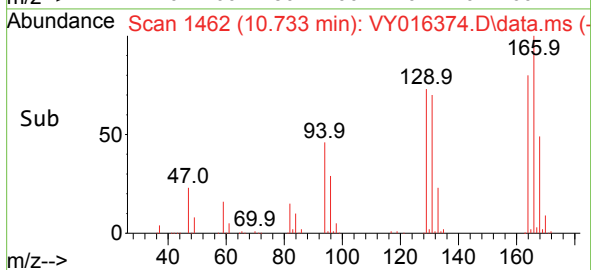
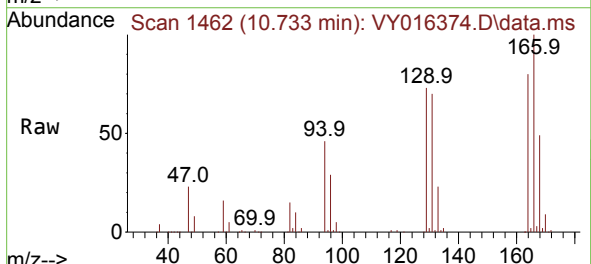
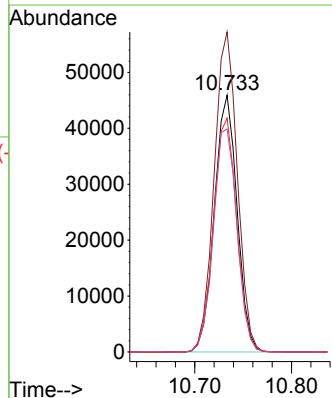
Ion Ratio Lower Upper

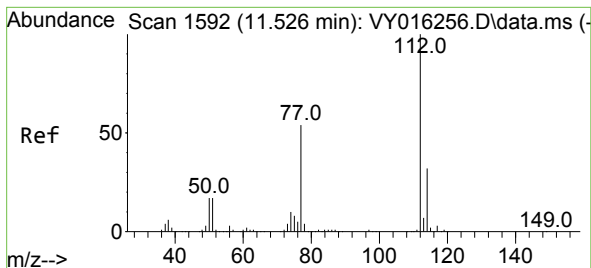
164 100

166 124.6 103.0 154.6

129 91.1 77.2 115.8

131 86.9 69.6 104.4





#65

Chlorobenzene

Concen: 50.774 ug/l

RT: 11.526 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY016374.D

Acq: 15 Nov 2023 18:17

Instrument :

MSVOA\_Y

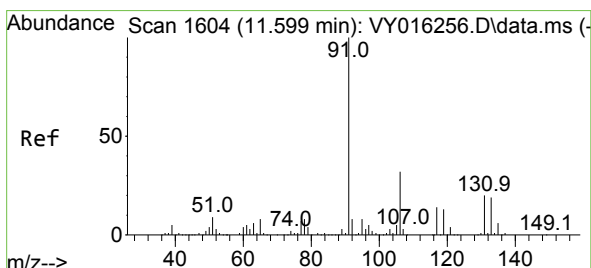
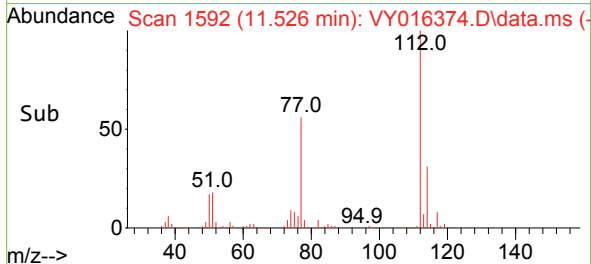
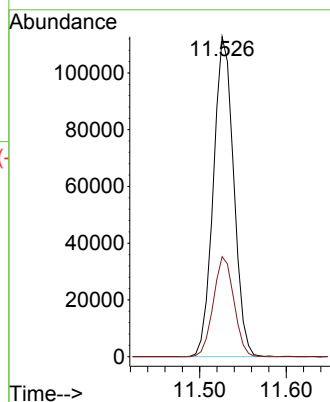
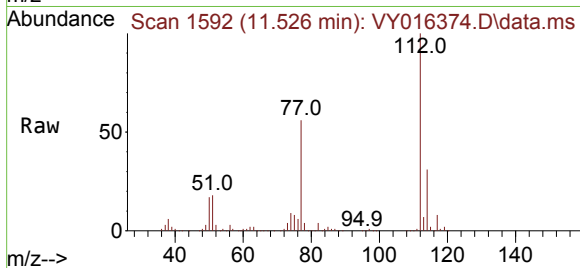
ClientSampleId :

Tgt Ion:112 Resp: 183445

Ion Ratio Lower Upper

112 100

114 31.3 25.5 38.3



#66

1,1,1,2-Tetrachloroethane

Concen: 52.425 ug/l

RT: 11.599 min Scan# 1604

Delta R.T. -0.000 min

Lab File: VY016374.D

Acq: 15 Nov 2023 18:17

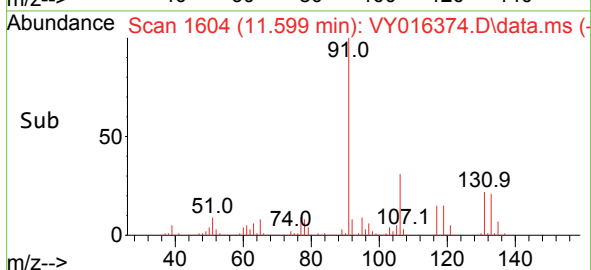
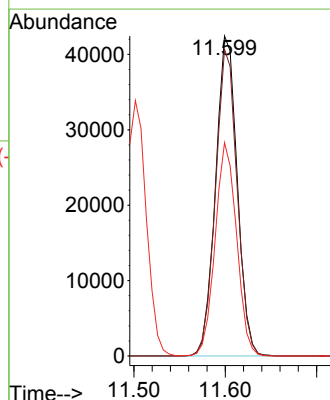
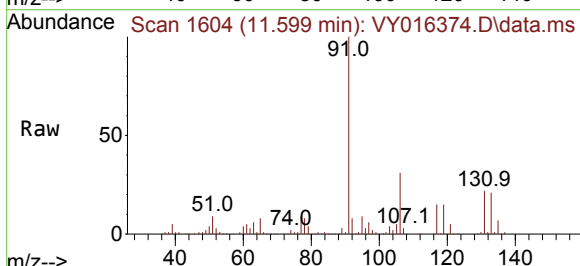
Tgt Ion:131 Resp: 69860

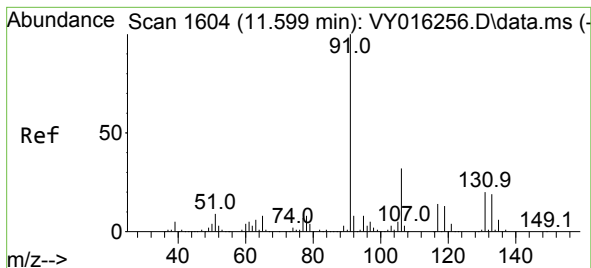
Ion Ratio Lower Upper

131 100

133 95.5 47.5 142.6

119 66.0 31.6 94.7





#67

Ethyl Benzene

Concen: 50.955 ug/l

RT: 11.605 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY016374.D

Acq: 15 Nov 2023 18:17

Instrument :

MSVOA\_Y

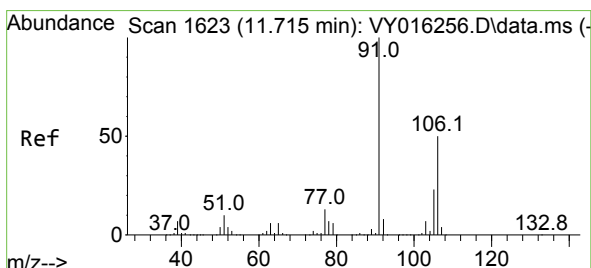
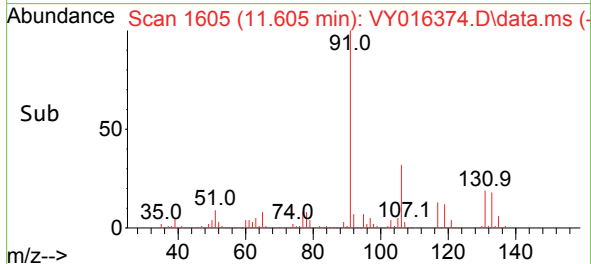
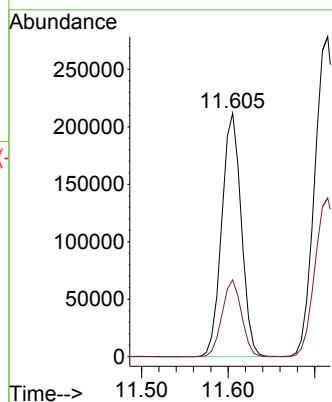
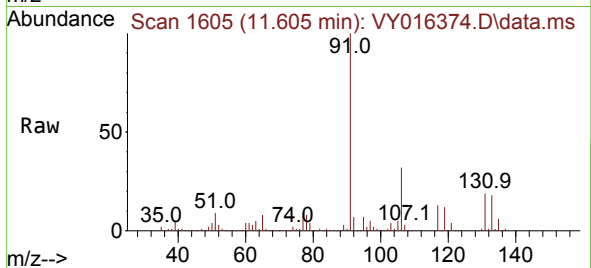
ClientSampleId :

Tgt Ion: 91 Resp: 330855

Ion Ratio Lower Upper

91 100

106 31.5 24.6 36.8



#68

m/p-Xylenes

Concen: 103.944 ug/l

RT: 11.715 min Scan# 1623

Delta R.T. -0.000 min

Lab File: VY016374.D

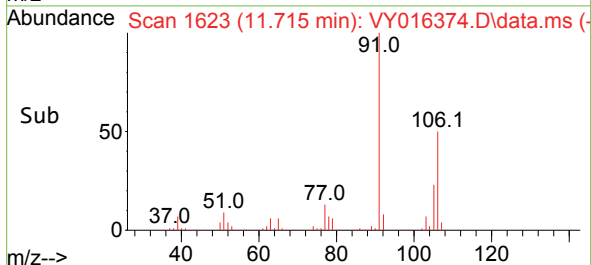
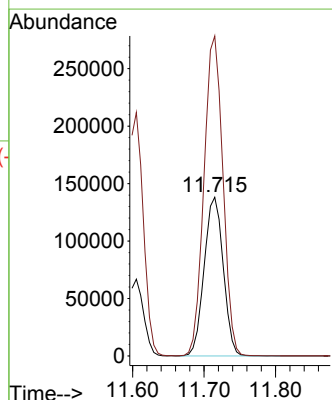
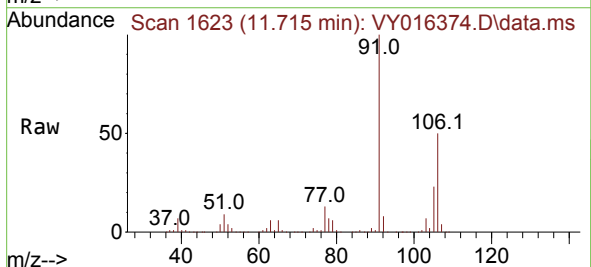
Acq: 15 Nov 2023 18:17

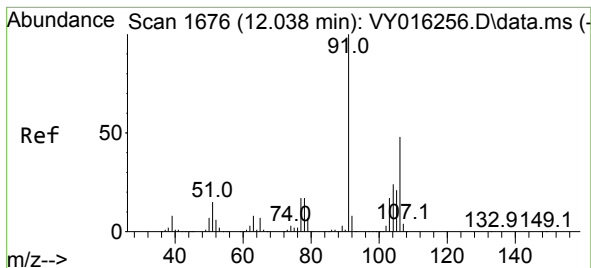
Tgt Ion:106 Resp: 255991

Ion Ratio Lower Upper

106 100

91 200.0 166.1 249.1





#69

o-Xylene

Concen: 51.899 ug/l

RT: 12.038 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY016374.D

Acq: 15 Nov 2023 18:17

Instrument :

MSVOA\_Y

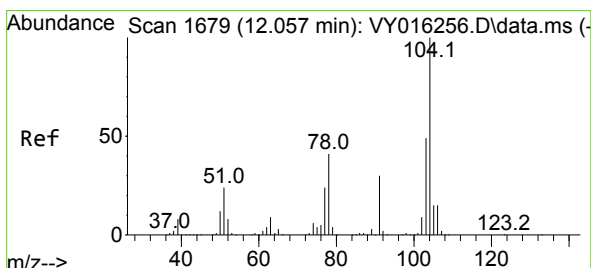
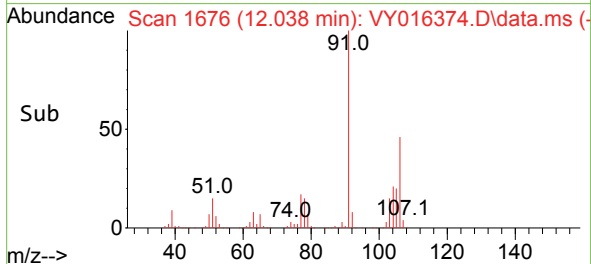
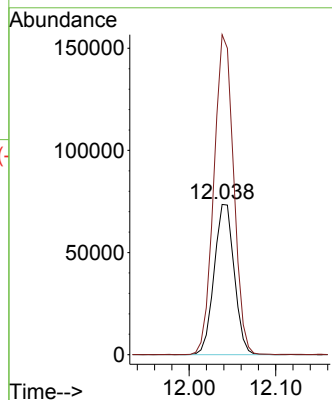
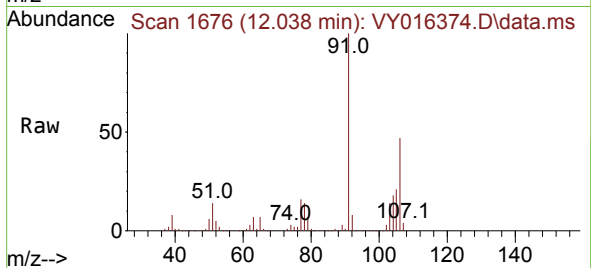
ClientSampleId :

Tgt Ion:106 Resp: 118671

Ion Ratio Lower Upper

106 100

91 210.1 108.1 324.3



#70

Styrene

Concen: 52.134 ug/l

RT: 12.056 min Scan# 1679

Delta R.T. -0.000 min

Lab File: VY016374.D

Acq: 15 Nov 2023 18:17

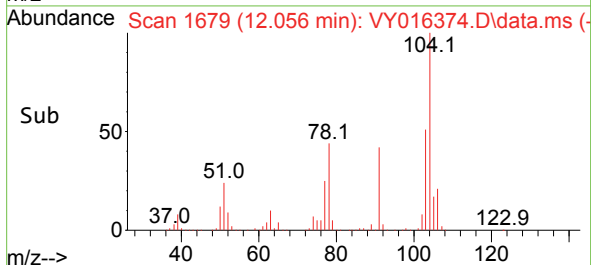
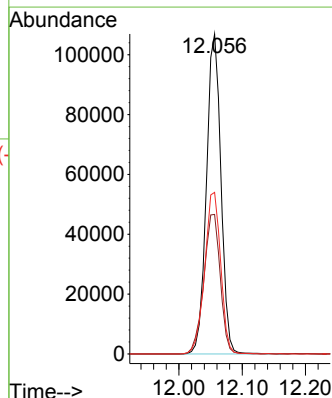
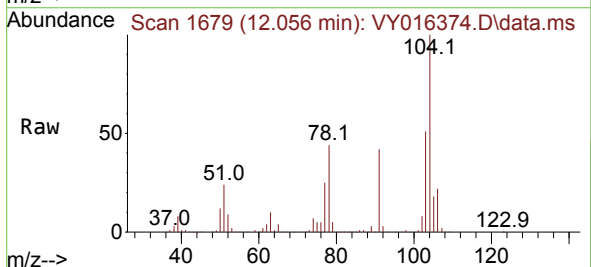
Tgt Ion:104 Resp: 170694

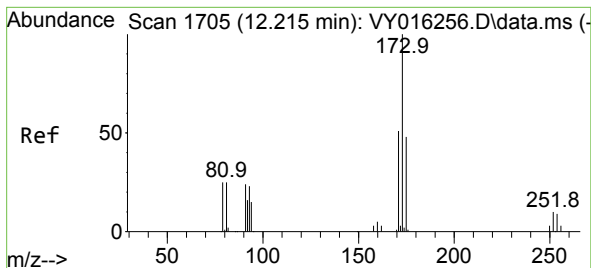
Ion Ratio Lower Upper

104 100

78 49.6 41.5 62.3

103 55.9 44.6 67.0





#71

Bromoform

Concen: 51.484 ug/l

RT: 12.221 min Scan# 1705

Delta R.T. 0.006 min

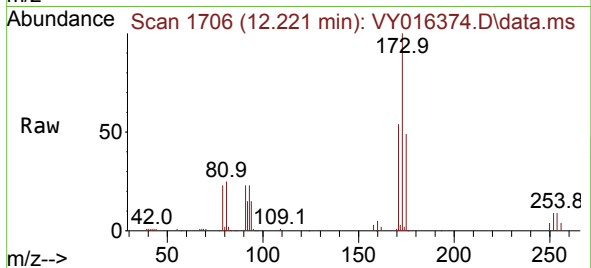
Lab File: VY016374.D

Acq: 15 Nov 2023 18:17

Instrument :

MSVOA\_Y

ClientSampleId :



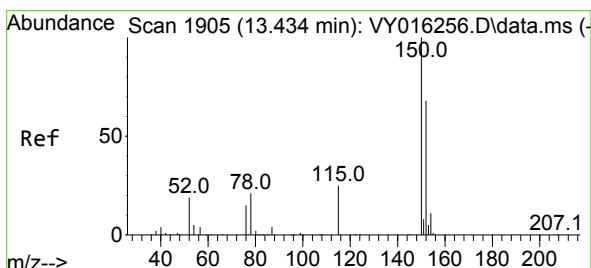
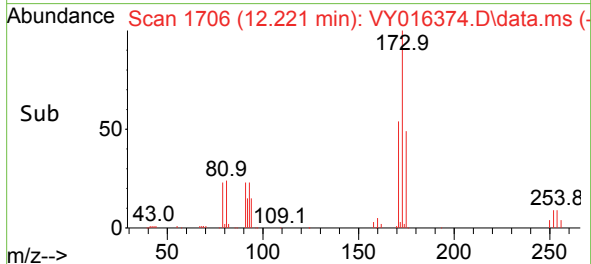
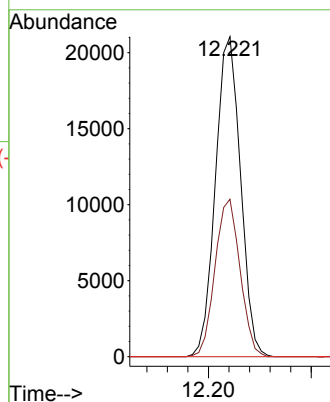
Tgt Ion:173 Resp: 35599

Ion Ratio Lower Upper

173 100

175 49.2 24.6 73.8

254 0.0 0.2 0.2#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. -0.000 min

Lab File: VY016374.D

Acq: 15 Nov 2023 18:17

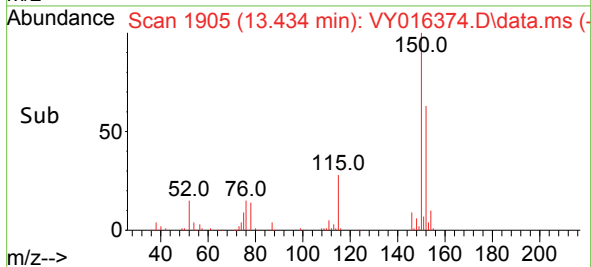
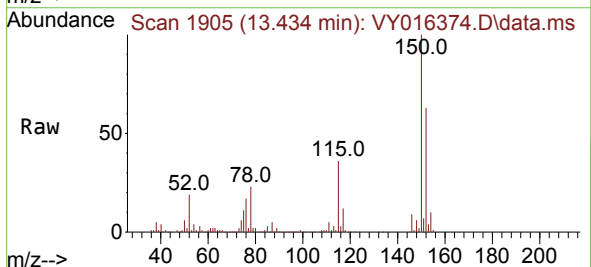
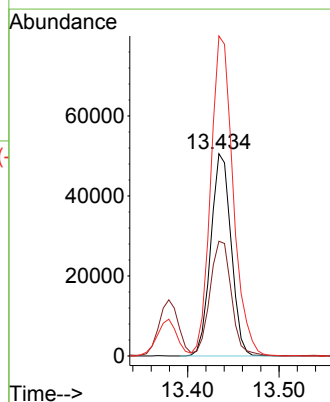
Tgt Ion:152 Resp: 78045

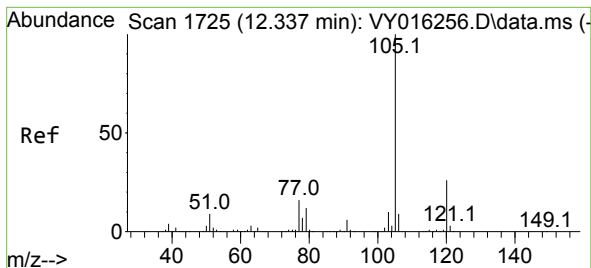
Ion Ratio Lower Upper

152 100

115 59.7 28.8 86.5

150 174.7 0.0 348.8





#73

Isopropylbenzene

Concen: 51.663 ug/l

RT: 12.343 min Scan# 1726

Delta R.T. 0.006 min

Lab File: VY016374.D

Acq: 15 Nov 2023 18:17

Instrument :

MSVOA\_Y

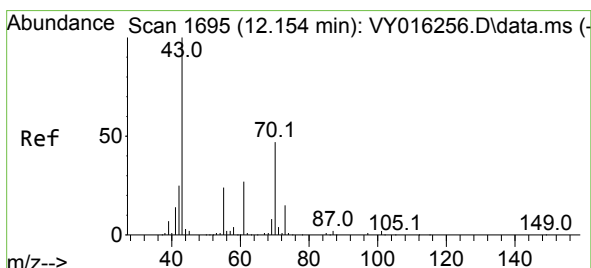
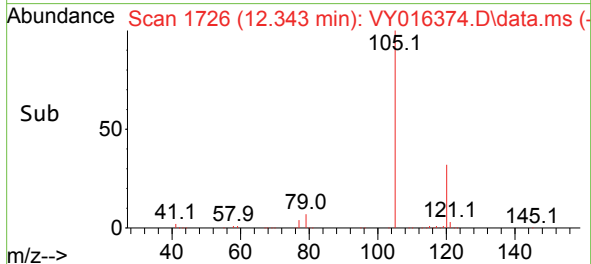
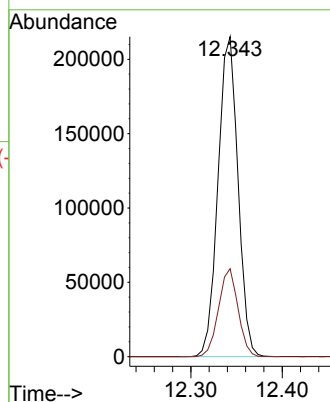
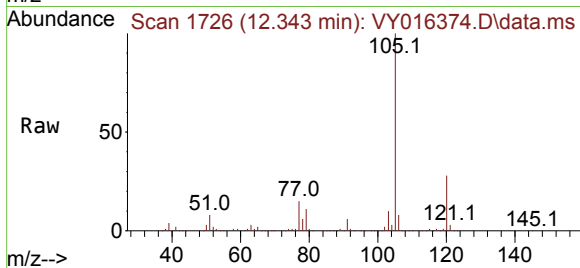
ClientSampleId :

Tgt Ion:105 Resp: 326504

Ion Ratio Lower Upper

105 100

120 26.9 13.3 39.9



#74

N-ethyl acetate

Concen: 41.456 ug/l

RT: 12.154 min Scan# 1695

Delta R.T. -0.000 min

Lab File: VY016374.D

Acq: 15 Nov 2023 18:17

Tgt Ion: 43 Resp: 52626

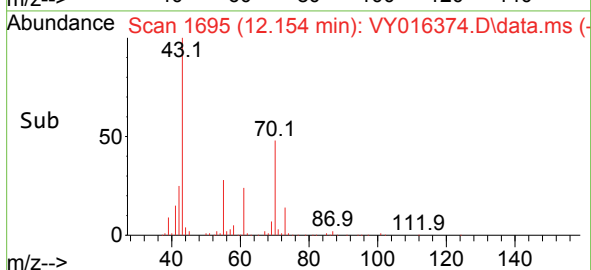
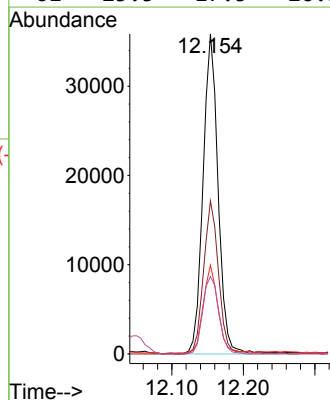
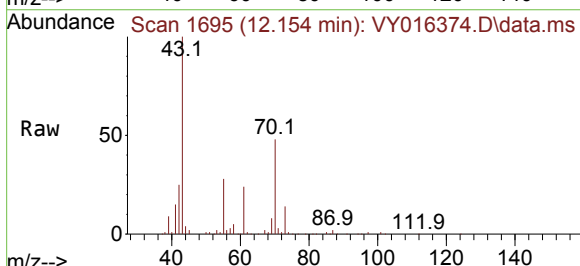
Ion Ratio Lower Upper

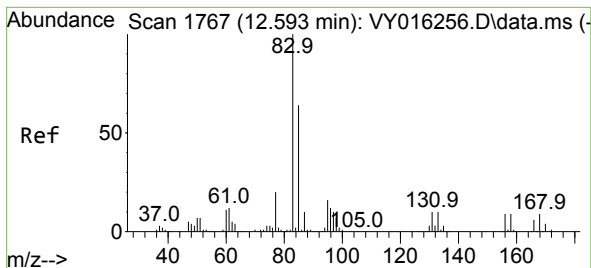
43 100

70 47.5 29.7 44.5#

55 28.6 18.3 27.5#

61 25.5 17.5 26.3





#75

1,1,2,2-Tetrachloroethane

Concen: 48.880 ug/l

RT: 12.593 min Scan# 1767

Delta R.T. -0.000 min

Lab File: VY016374.D

Acq: 15 Nov 2023 18:17

Instrument :

MSVOA\_Y

ClientSampleId :

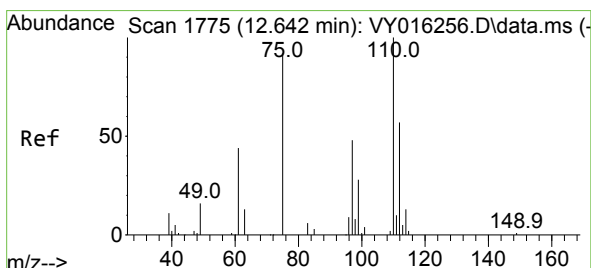
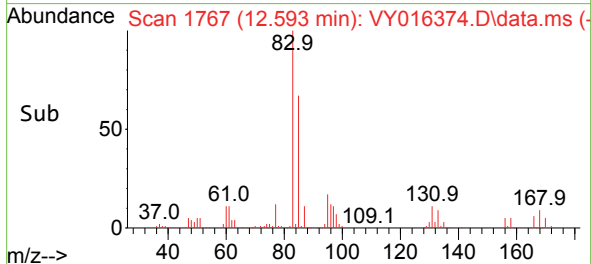
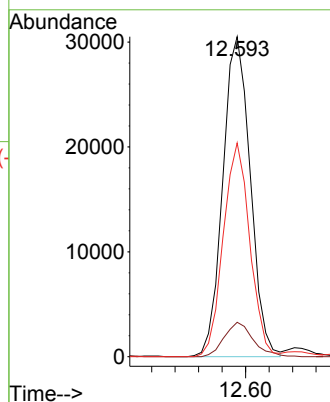
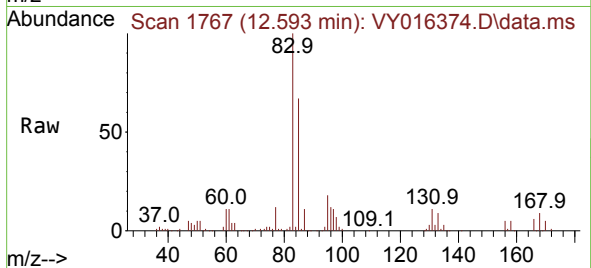
Tgt Ion: 83 Resp: 49570

Ion Ratio Lower Upper

83 100

131 11.3 5.4 16.2

85 64.5 31.8 95.4



#76

1,2,3-Trichloropropane

Concen: 87.349 ug/l

RT: 12.642 min Scan# 1775

Delta R.T. -0.000 min

Lab File: VY016374.D

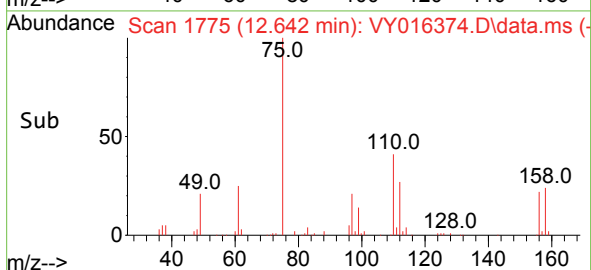
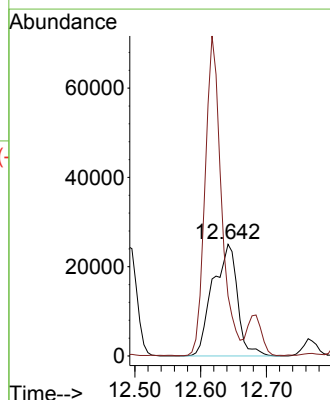
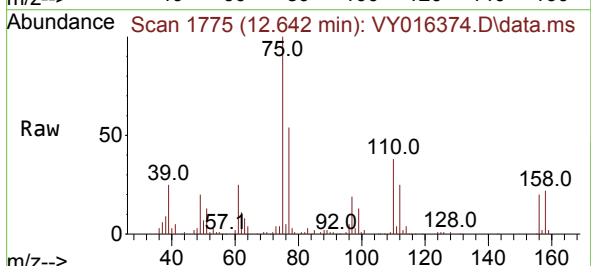
Acq: 15 Nov 2023 18:17

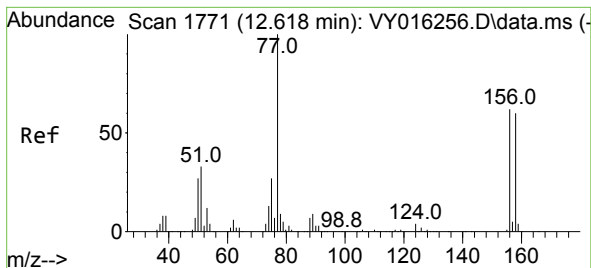
Tgt Ion: 75 Resp: 65396

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 50.685 ug/l

RT: 12.617 min Scan# 1771

Delta R.T. -0.000 min

Lab File: VY016374.D

Acq: 15 Nov 2023 18:17

Instrument :

MSVOA\_Y

ClientSampleId :

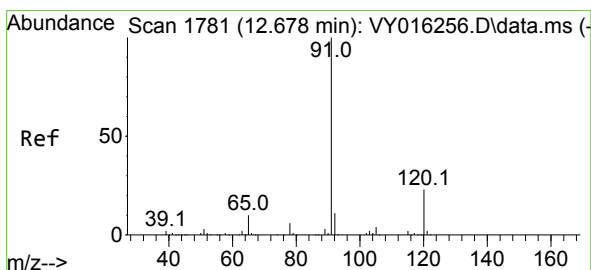
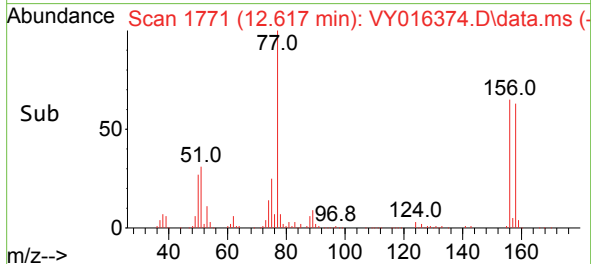
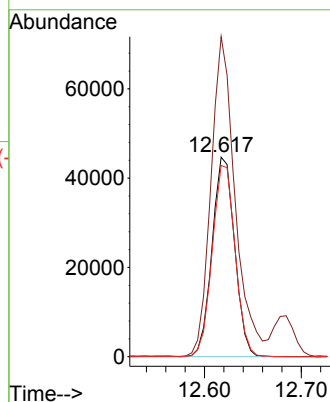
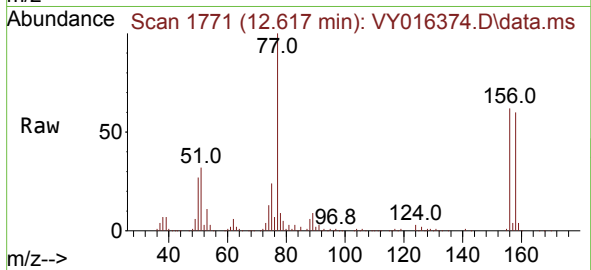
Tgt Ion:156 Resp: 72398

Ion Ratio Lower Upper

156 100

77 171.0 92.8 278.6

158 97.4 48.4 145.3



#78

n-propylbenzene

Concen: 49.315 ug/l

RT: 12.684 min Scan# 1782

Delta R.T. 0.006 min

Lab File: VY016374.D

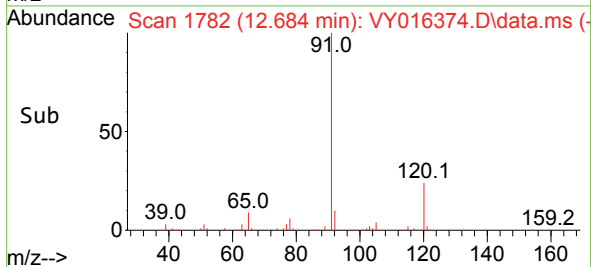
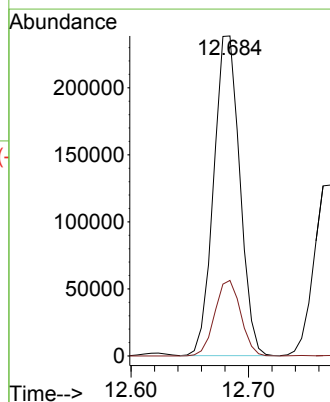
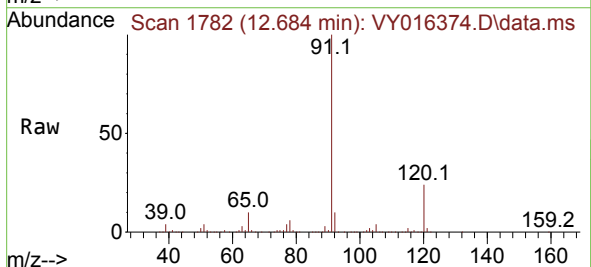
Acq: 15 Nov 2023 18:17

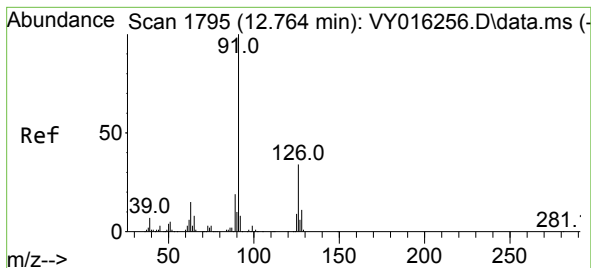
Tgt Ion: 91 Resp: 368327

Ion Ratio Lower Upper

91 100

120 23.5 11.5 34.4





#79

2-Chlorotoluene

Concen: 49.914 ug/l

RT: 12.770 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY016374.D

Acq: 15 Nov 2023 18:17

Instrument :

MSVOA\_Y

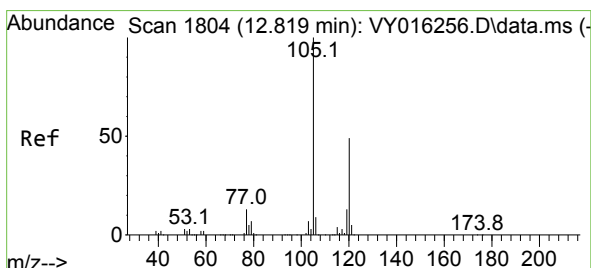
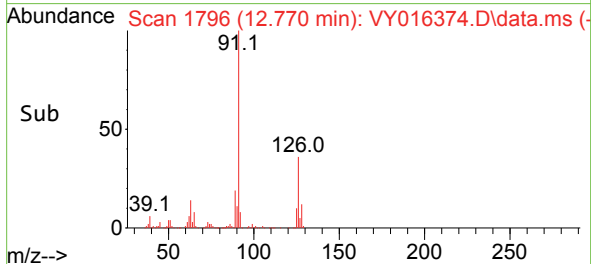
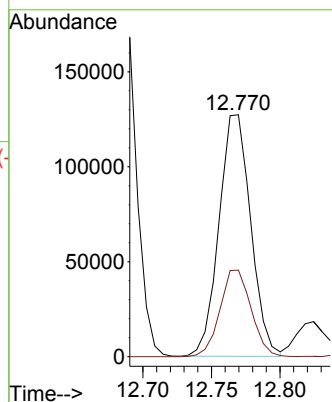
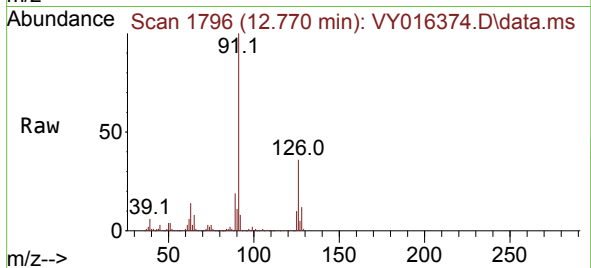
ClientSampleId :

Tgt Ion: 91 Resp: 205449

Ion Ratio Lower Upper

91 100

126 35.2 17.3 51.7



#80

1,3,5-Trimethylbenzene

Concen: 50.736 ug/l

RT: 12.825 min Scan# 1805

Delta R.T. 0.006 min

Lab File: VY016374.D

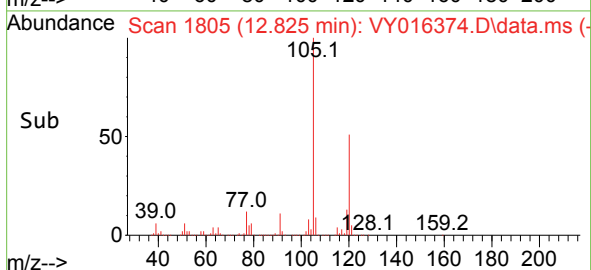
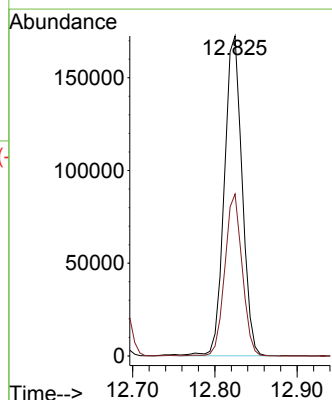
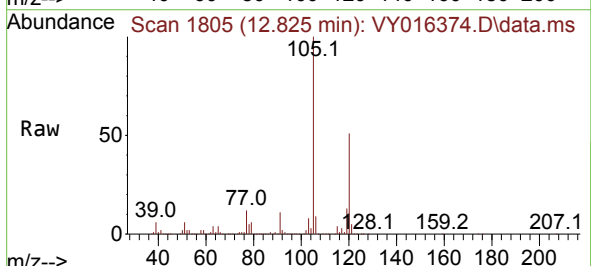
Acq: 15 Nov 2023 18:17

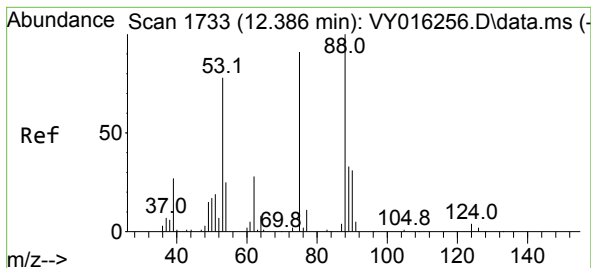
Tgt Ion: 105 Resp: 258522

Ion Ratio Lower Upper

105 100

120 49.6 23.9 71.7

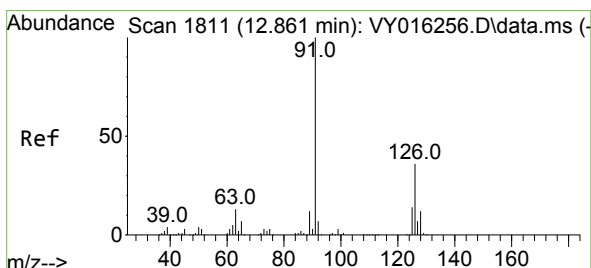
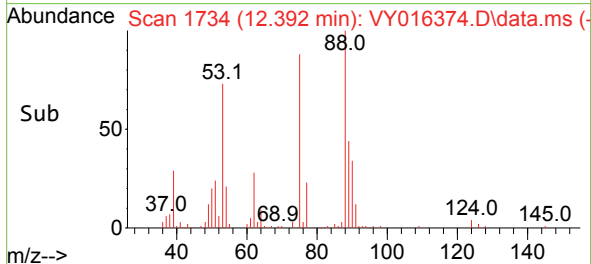
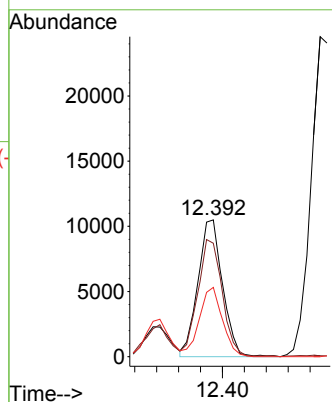
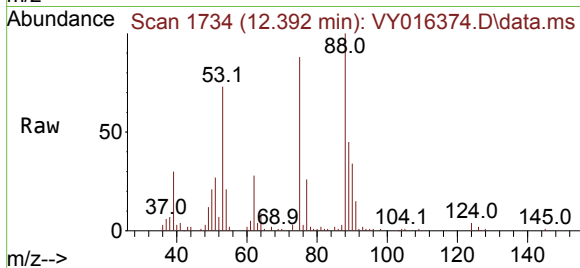




#81  
trans-1,4-Dichloro-2-butene  
Concen: 47.420 ug/l  
RT: 12.392 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY016374.D  
Acq: 15 Nov 2023 18:17

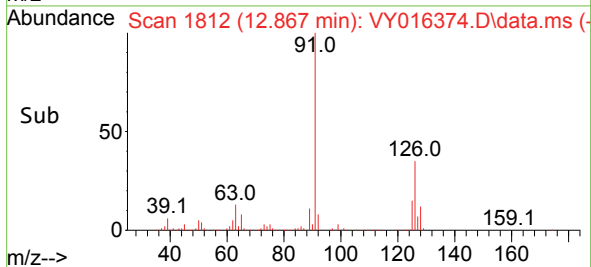
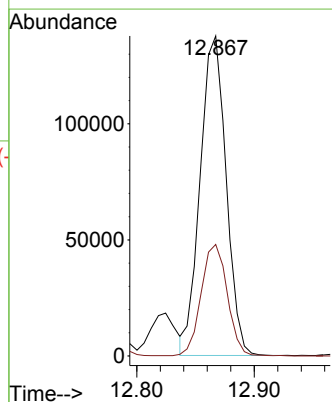
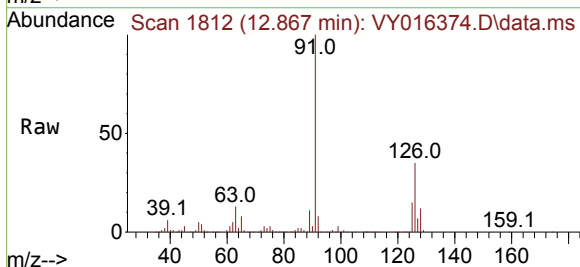
Instrument :  
MSVOA\_Y  
ClientSampleId :

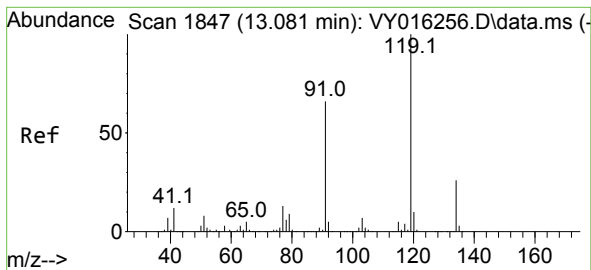
Tgt Ion: 75 Resp: 16356  
Ion Ratio Lower Upper  
75 100  
53 84.0 77.8 116.8  
89 47.7 37.4 56.0



#82  
4-Chlorotoluene  
Concen: 49.738 ug/l  
RT: 12.867 min Scan# 1812  
Delta R.T. 0.006 min  
Lab File: VY016374.D  
Acq: 15 Nov 2023 18:17

Tgt Ion: 91 Resp: 211543  
Ion Ratio Lower Upper  
91 100  
126 35.2 17.2 51.6





#83

tert-Butylbenzene

Concen: 49.642 ug/l

RT: 13.087 min Scan# 1847

Delta R.T. 0.006 min

Lab File: VY016374.D

Acq: 15 Nov 2023 18:17

Instrument :

MSVOA\_Y

ClientSampleId :

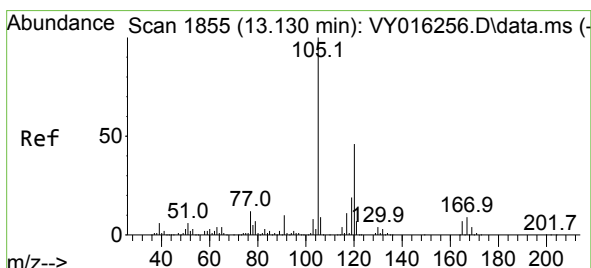
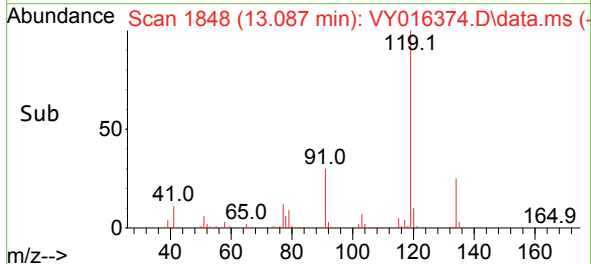
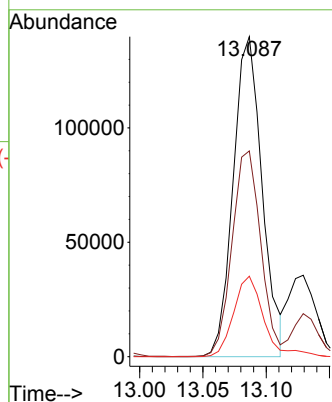
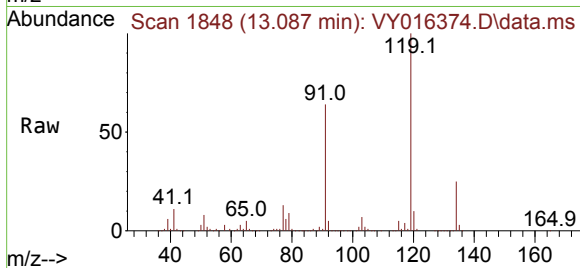
Tgt Ion:119 Resp: 222799

Ion Ratio Lower Upper

119 100

91 63.6 32.9 98.6

134 26.2 13.0 38.9



#84

1,2,4-Trimethylbenzene

Concen: 50.617 ug/l

RT: 13.129 min Scan# 1855

Delta R.T. -0.000 min

Lab File: VY016374.D

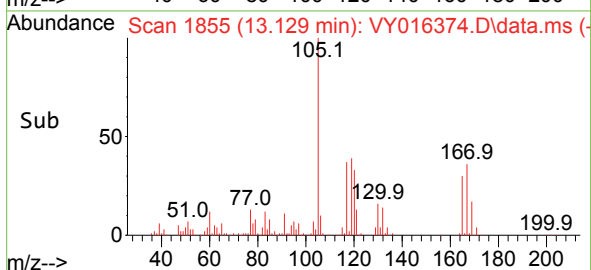
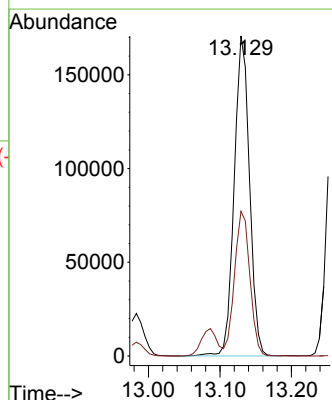
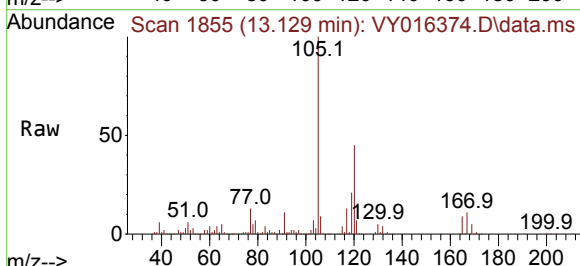
Acq: 15 Nov 2023 18:17

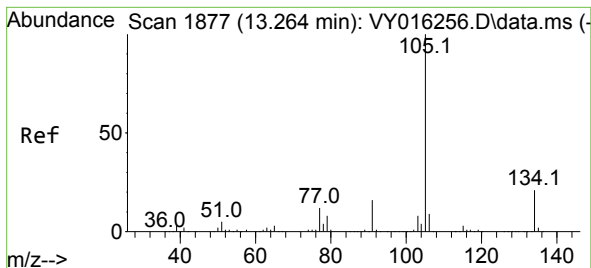
Tgt Ion:105 Resp: 253956

Ion Ratio Lower Upper

105 100

120 45.3 22.2 66.6





#85

sec-Butylbenzene

Concen: 48.860 ug/l

RT: 13.263 min Scan# 1877

Delta R.T. -0.000 min

Lab File: VY016374.D

Acq: 15 Nov 2023 18:17

Instrument :

MSVOA\_Y

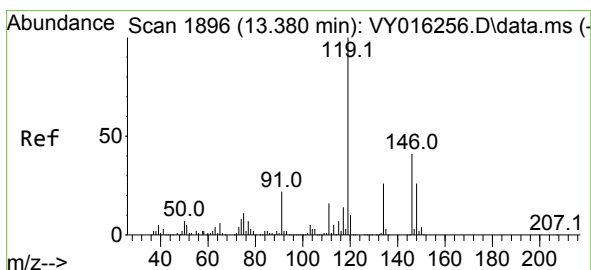
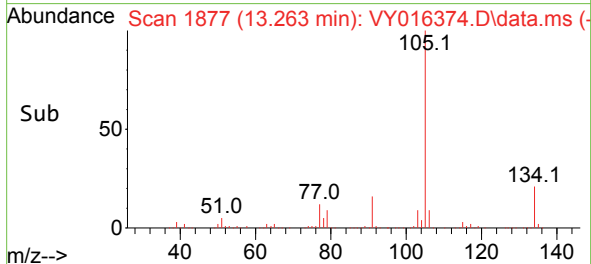
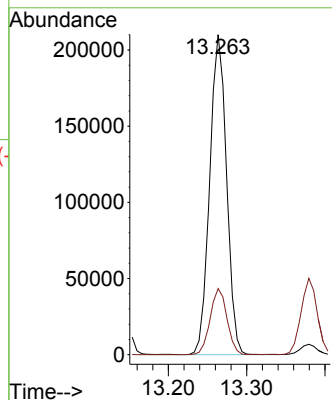
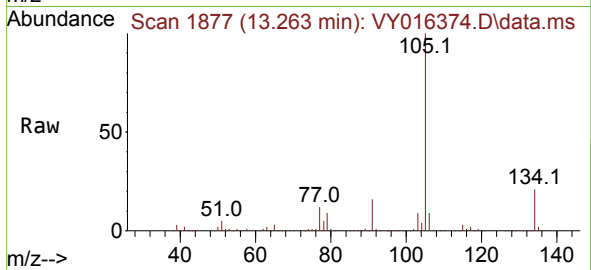
ClientSampleId :

Tgt Ion:105 Resp: 313283

Ion Ratio Lower Upper

105 100

134 20.6 10.2 30.6



#86

p-Isopropyltoluene

Concen: 49.161 ug/l

RT: 13.379 min Scan# 1896

Delta R.T. -0.000 min

Lab File: VY016374.D

Acq: 15 Nov 2023 18:17

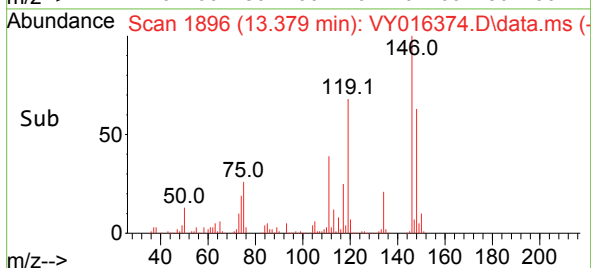
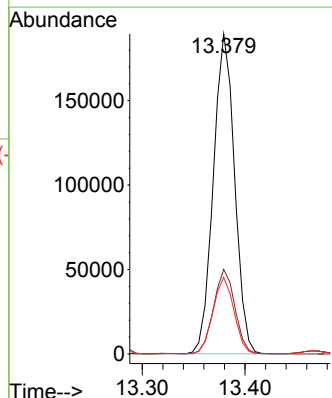
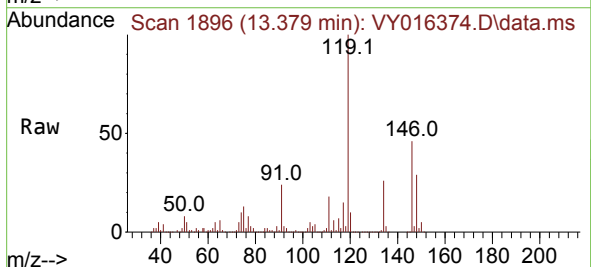
Tgt Ion:119 Resp: 271424

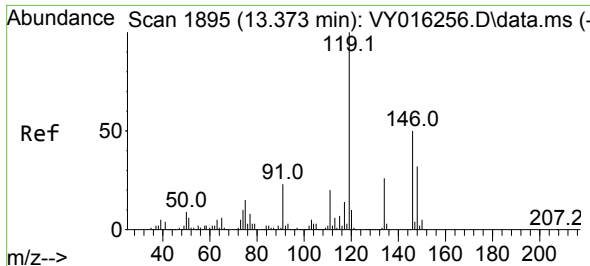
Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.8

91 23.5 12.4 37.4

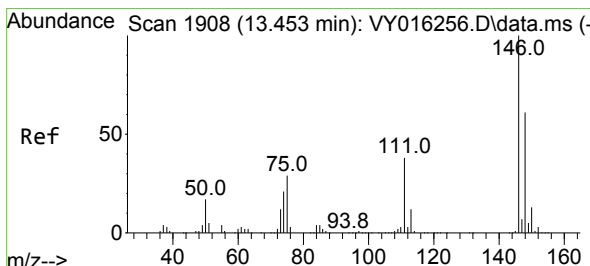
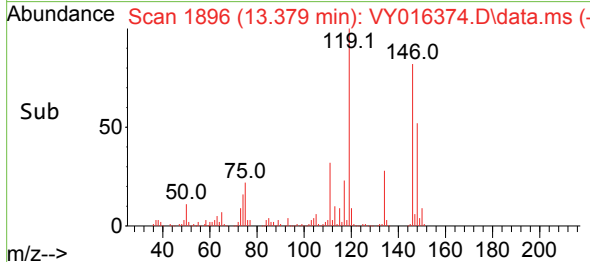
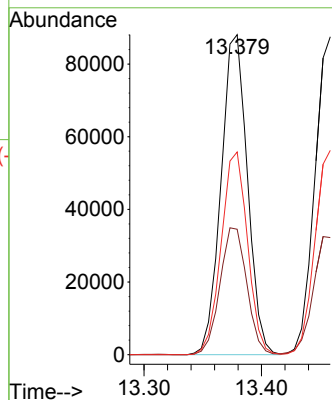
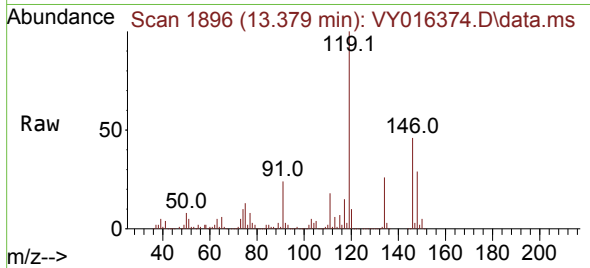




#87  
 1,3-Dichlorobenzene  
 Concen: 50.026 ug/l  
 RT: 13.379 min Scan# 1895  
 Delta R.T. 0.006 min  
 Lab File: VY016374.D  
 Acq: 15 Nov 2023 18:17

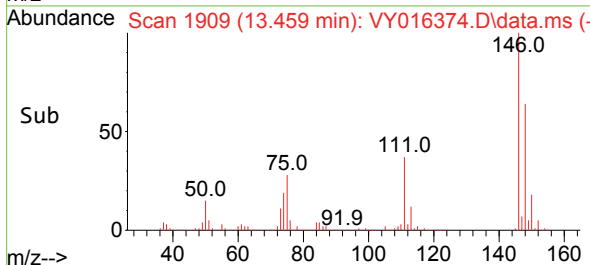
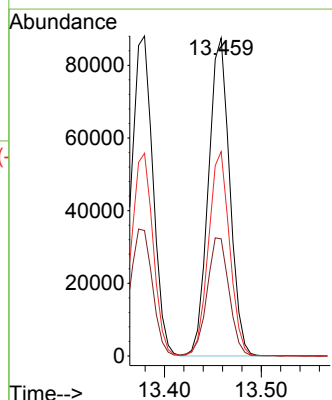
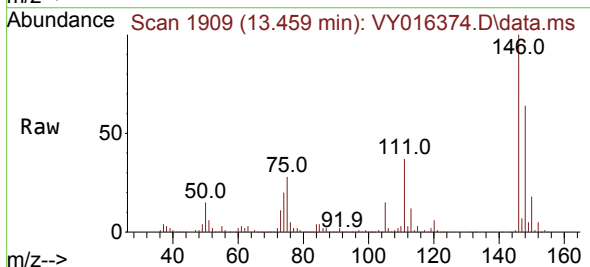
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

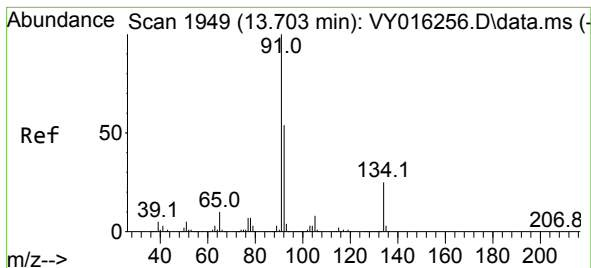
Tgt Ion:146 Resp: 137473  
 Ion Ratio Lower Upper  
 146 100  
 111 40.5 19.4 58.2  
 148 63.2 31.9 95.5



#88  
 1,4-Dichlorobenzene  
 Concen: 49.905 ug/l  
 RT: 13.459 min Scan# 1909  
 Delta R.T. 0.006 min  
 Lab File: VY016374.D  
 Acq: 15 Nov 2023 18:17

Tgt Ion:146 Resp: 134026  
 Ion Ratio Lower Upper  
 146 100  
 111 38.5 18.9 56.7  
 148 63.9 32.1 96.5





#89

n-Butylbenzene

Concen: 48.249 ug/l

RT: 13.709 min Scan# 1949

Delta R.T. 0.006 min

Lab File: VY016374.D

Acq: 15 Nov 2023 18:17

Instrument :

MSVOA\_Y

ClientSampleId :

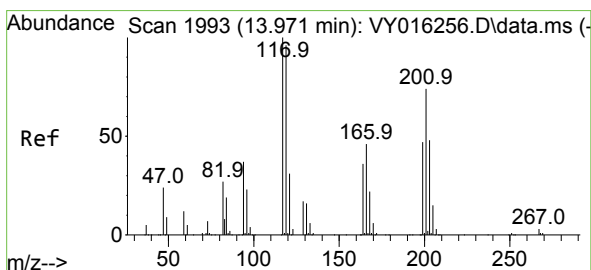
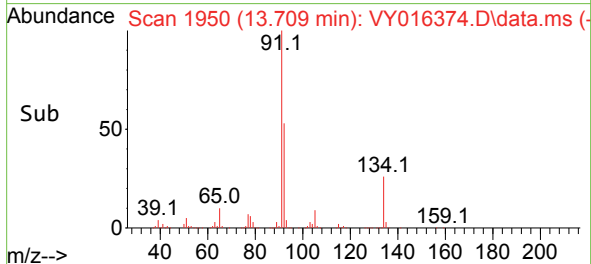
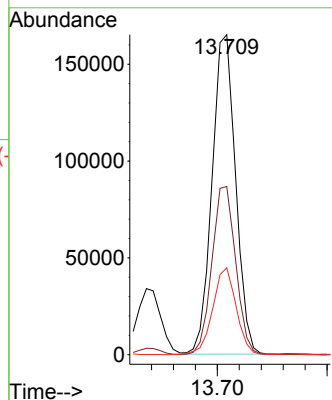
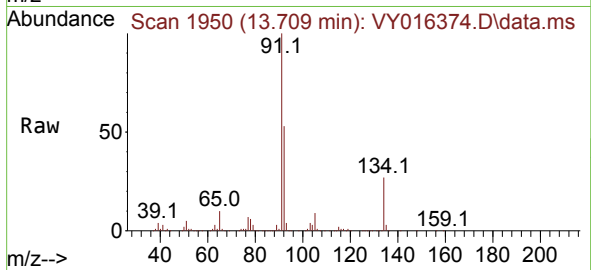
Tgt Ion: 91 Resp: 246012

Ion Ratio Lower Upper

91 100

92 53.4 25.4 76.0

134 27.3 12.6 37.6



#90

Hexachloroethane

Concen: 51.407 ug/l

RT: 13.971 min Scan# 1993

Delta R.T. -0.000 min

Lab File: VY016374.D

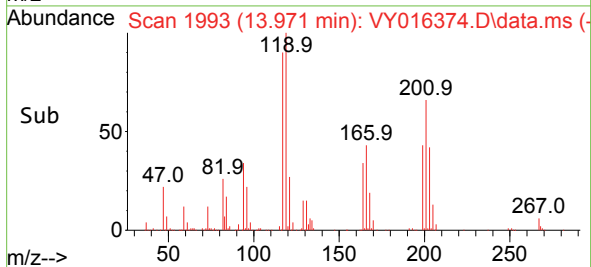
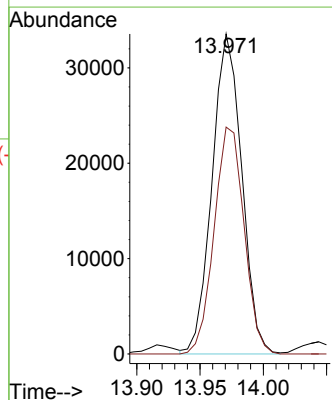
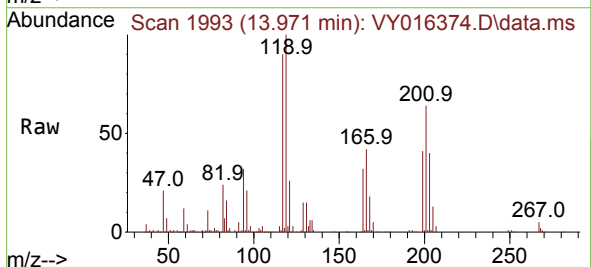
Acq: 15 Nov 2023 18:17

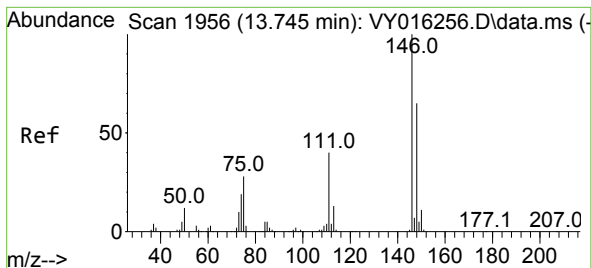
Tgt Ion: 117 Resp: 54750

Ion Ratio Lower Upper

117 100

201 71.5 41.6 124.8





#91

1,2-Dichlorobenzene

Concen: 50.463 ug/l

RT: 13.751 min Scan# 1956

Delta R.T. 0.006 min

Lab File: VY016374.D

Acq: 15 Nov 2023 18:17

Instrument :

MSVOA\_Y

ClientSampleId :

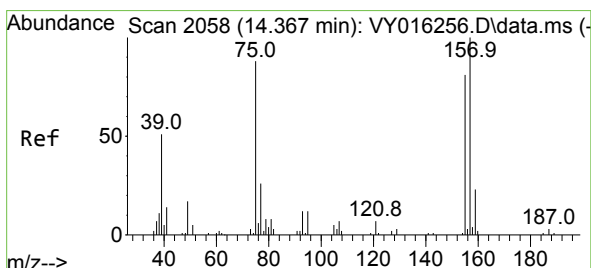
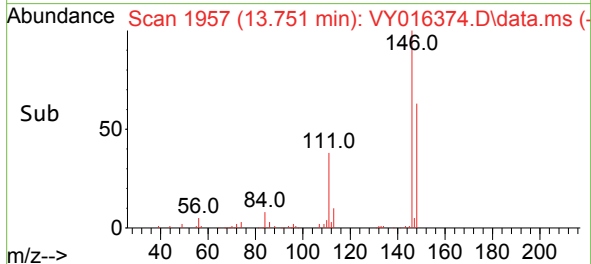
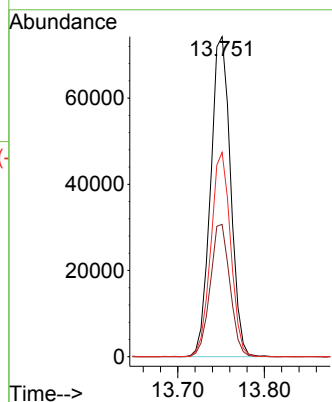
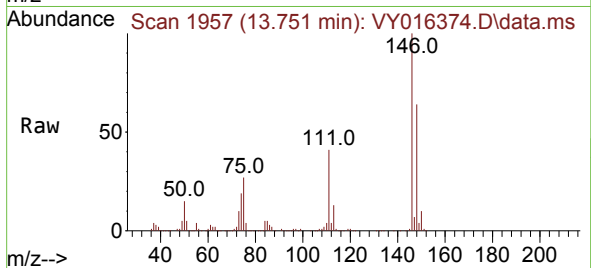
Tgt Ion:146 Resp: 118829

Ion Ratio Lower Upper

146 100

111 41.0 19.7 59.0

148 63.3 32.0 96.2



#92

1,2-Dibromo-3-Chloropropane

Concen: 43.459 ug/l

RT: 14.367 min Scan# 2058

Delta R.T. -0.000 min

Lab File: VY016374.D

Acq: 15 Nov 2023 18:17

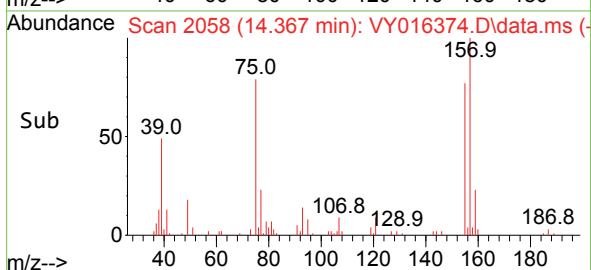
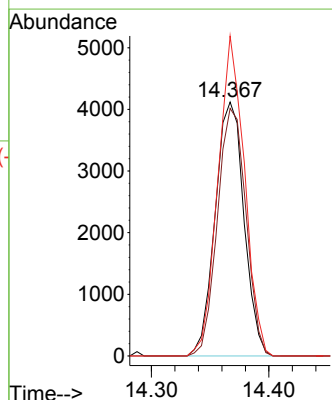
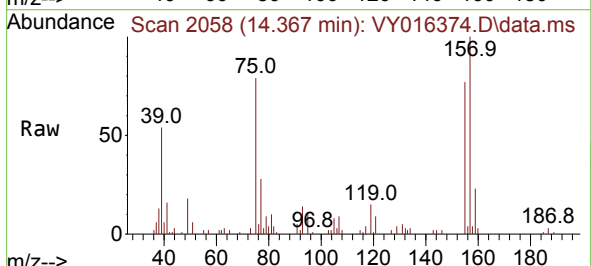
Tgt Ion: 75 Resp: 7012

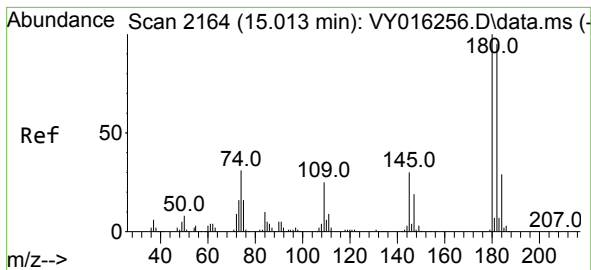
Ion Ratio Lower Upper

75 100

155 96.3 41.5 124.6

157 116.3 51.8 155.5





#93

1,2,4-Trichlorobenzene

Concen: 46.893 ug/l

RT: 15.019 min Scan# 2165

Delta R.T. 0.006 min

Lab File: VY016374.D

Acq: 15 Nov 2023 18:17

Instrument :

MSVOA\_Y

ClientSampleId :

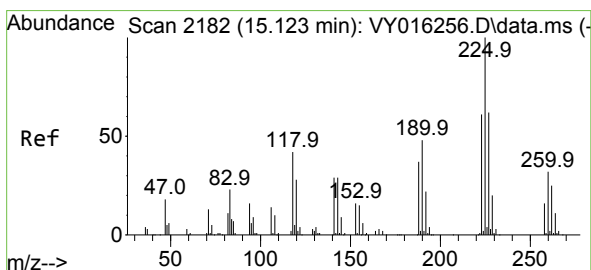
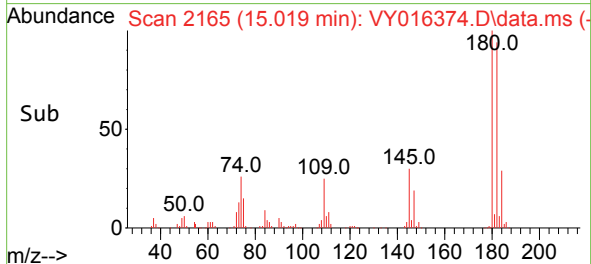
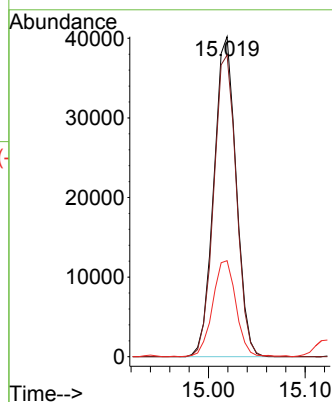
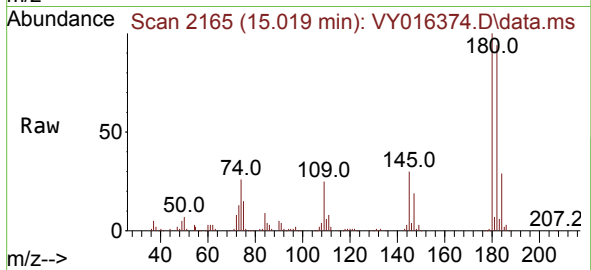
Tgt Ion:180 Resp: 64455

Ion Ratio Lower Upper

180 100

182 95.3 47.0 141.2

145 31.6 14.5 43.5



#94

Hexachlorobutadiene

Concen: 42.351 ug/l

RT: 15.123 min Scan# 2182

Delta R.T. -0.000 min

Lab File: VY016374.D

Acq: 15 Nov 2023 18:17

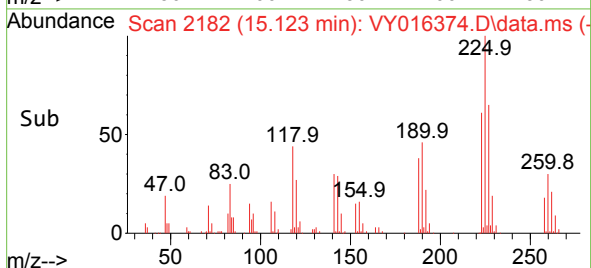
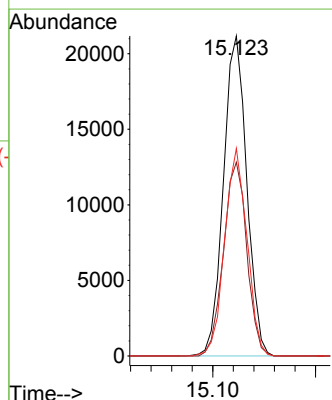
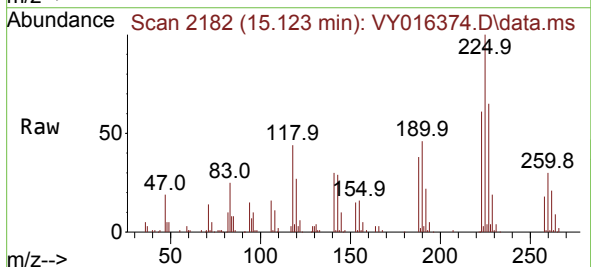
Tgt Ion:225 Resp: 33350

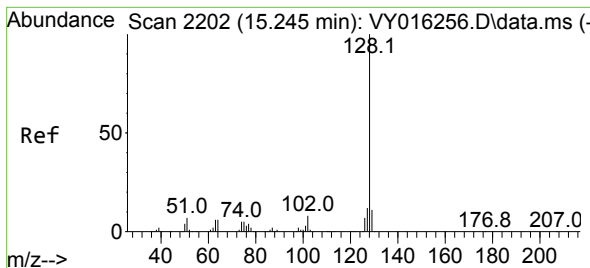
Ion Ratio Lower Upper

225 100

223 60.3 31.9 95.9

227 62.3 33.0 98.9





#95

Naphthalene

Concen: 77.849 ug/l

RT: 15.245 min Scan# 2202

Delta R.T. -0.000 min

Lab File: VY016374.D

Acq: 15 Nov 2023 18:17

Instrument :

MSVOA\_Y

ClientSampleId :

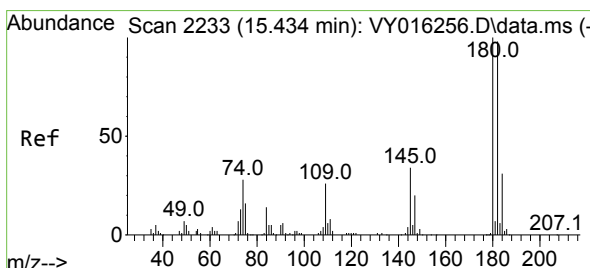
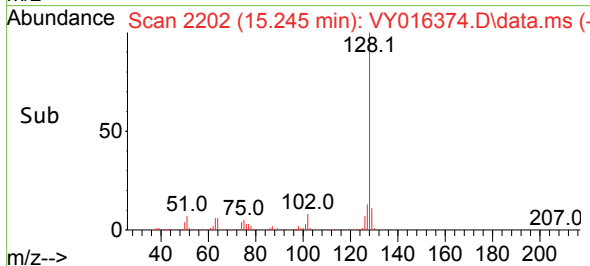
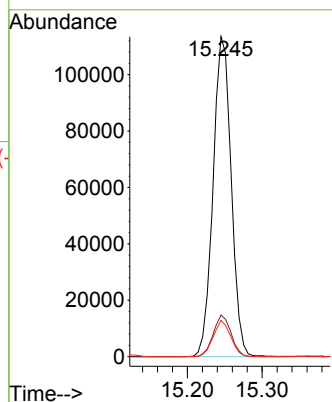
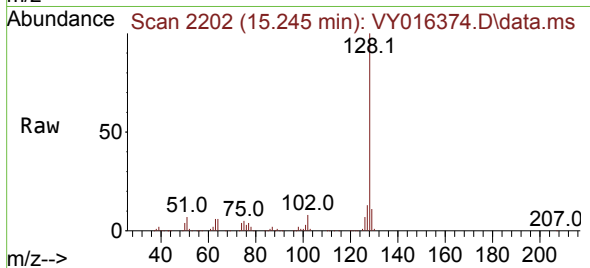
Tgt Ion:128 Resp: 191377

Ion Ratio Lower Upper

128 100

127 12.8 10.8 16.2

129 11.0 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 46.030 ug/l

RT: 15.434 min Scan# 2233

Delta R.T. -0.000 min

Lab File: VY016374.D

Acq: 15 Nov 2023 18:17

Tgt Ion:180 Resp: 52330

Ion Ratio Lower Upper

180 100

182 94.0 47.3 141.8

145 32.1 15.4 46.2

