

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY110123\  
 Data File : VY016158.D  
 Acq On : 01 Nov 2023 09:23  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Nov 02 02:20:08 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y103123S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 01 03:33:29 2023  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|------------------------------|--------|-------|----------|----------|------------|----------|
| -----                        |        |       |          |          |            |          |
| Internal Standards           |        |       |          |          |            |          |
| 1) Pentafluorobenzene        | 7.789  | 168   | 179536   | 50.000   | ug/l       | -0.01    |
| 34) 1,4-Difluorobenzene      | 8.691  | 114   | 280414   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5         | 11.496 | 117   | 240136   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.428 | 152   | 110986   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds  |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4    | 8.143  | 65    | 87134    | 51.866   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 50 - 163 | Recovery | = 103.740% |          |
| 35) Dibromofluoromethane     | 7.722  | 113   | 84133    | 50.326   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 54 - 147 | Recovery | = 100.660% |          |
| 50) Toluene-d8               | 10.185 | 98    | 355395   | 53.619   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 58 - 134 | Recovery | = 107.240% |          |
| 62) 4-Bromofluorobenzene     | 12.483 | 95    | 115182   | 50.820   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 30 - 143 | Recovery | = 101.640% |          |
| Target Compounds             |        |       |          |          |            | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.906  | 85    | 63245    | 55.224   | ug/l       | 99       |
| 3) Chloromethane             | 2.119  | 50    | 79851    | 50.359   | ug/l       | 97       |
| 4) Vinyl Chloride            | 2.253  | 62    | 87742    | 53.614   | ug/l       | 97       |
| 5) Bromomethane              | 2.656  | 94    | 57633    | 52.182   | ug/l       | 100      |
| 6) Chloroethane              | 2.796  | 64    | 59777    | 51.882   | ug/l       | 95       |
| 7) Trichlorofluoromethane    | 3.131  | 101   | 134408   | 54.401   | ug/l       | 99       |
| 8) Diethyl Ether             | 3.534  | 74    | 42881    | 52.366   | ug/l       | 85       |
| 9) 1,1,2-Trichlorotrifluo... | 3.906  | 101   | 83085    | 53.380   | ug/l       | 97       |
| 10) Methyl Iodide            | 4.095  | 142   | 93470    | 54.005   | ug/l       | 97       |
| 11) Tert butyl alcohol       | 4.948  | 59    | 27570    | 219.647  | ug/l #     | 80       |
| 12) 1,1-Dichloroethene       | 3.875  | 96    | 74983    | 52.781   | ug/l       | 91       |
| 13) Acrolein                 | 3.729  | 56    | 27363    | 236.807  | ug/l       | 97       |
| 14) Allyl chloride           | 4.485  | 41    | 110428   | 54.344   | ug/l #     | 95       |
| 15) Acrylonitrile            | 5.168  | 53    | 89786    | 256.595  | ug/l       | 98       |
| 16) Acetone                  | 3.948  | 43    | 66214    | 246.650  | ug/l       | 91       |
| 17) Carbon Disulfide         | 4.198  | 76    | 194401   | 54.811   | ug/l       | 96       |
| 18) Methyl Acetate           | 4.479  | 43    | 68132    | 50.429   | ug/l #     | 90       |
| 19) Methyl tert-butyl Ether  | 5.222  | 73    | 206934   | 51.209   | ug/l       | 99       |
| 20) Methylene Chloride       | 4.716  | 84    | 86731    | 50.807   | ug/l       | 89       |
| 21) trans-1,2-Dichloroethene | 5.222  | 96    | 87430    | 52.835   | ug/l       | 96       |
| 22) Diisopropyl ether        | 6.119  | 45    | 257434   | 52.378   | ug/l       | 90       |
| 23) Vinyl Acetate            | 6.064  | 43    | 624805   | 258.919  | ug/l #     | 93       |
| 24) 1,1-Dichloroethane       | 6.015  | 63    | 156405   | 53.172   | ug/l       | 98       |
| 25) 2-Butanone               | 6.984  | 43    | 111599   | 240.780  | ug/l       | 92       |
| 26) 2,2-Dichloropropane      | 6.984  | 77    | 149453   | 53.748   | ug/l       | 97       |
| 27) cis-1,2-Dichloroethene   | 6.990  | 96    | 103301   | 53.045   | ug/l       | 93       |
| 28) Bromochloromethane       | 7.338  | 49    | 51542    | 46.825   | ug/l       | 88       |
| 29) Tetrahydrofuran          | 7.350  | 42    | 73850    | 254.180  | ug/l       | 91       |
| 30) Chloroform               | 7.509  | 83    | 166788   | 52.081   | ug/l       | 95       |
| 31) Cyclohexane              | 7.789  | 56    | 131323   | 50.851   | ug/l       | 88       |
| 32) 1,1,1-Trichloroethane    | 7.704  | 97    | 154920   | 52.748   | ug/l       | 98       |
| 36) 1,1-Dichloropropene      | 7.923  | 75    | 125994   | 52.193   | ug/l       | 97       |
| 37) Ethyl Acetate            | 7.076  | 43    | 53744    | 49.986   | ug/l #     | 95       |
| 38) Carbon Tetrachloride     | 7.905  | 117   | 137255   | 57.391   | ug/l       | 98       |
| 39) Methylcyclohexane        | 9.185  | 83    | 155553   | 53.983   | ug/l       | 92       |
| 40) Benzene                  | 8.161  | 78    | 361947   | 52.227   | ug/l       | 100      |

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 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Nov 02 02:20:08 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y103123S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 01 03:33:29 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.313  | 41   | 26975    | 43.223  | ug/l   | 95       |
| 42) 1,2-Dichloroethane        | 8.240  | 62   | 99692    | 51.547  | ug/l   | 94       |
| 43) Isopropyl Acetate         | 8.277  | 43   | 105779   | 49.737  | ug/l # | 91       |
| 44) Trichloroethene           | 8.941  | 130  | 105271   | 51.907  | ug/l   | 97       |
| 45) 1,2-Dichloropropane       | 9.216  | 63   | 88744    | 53.230  | ug/l   | 96       |
| 46) Dibromomethane            | 9.307  | 93   | 49316    | 52.145  | ug/l   | 97       |
| 47) Bromodichloromethane      | 9.496  | 83   | 128121   | 53.319  | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.295  | 41   | 49266    | 50.942  | ug/l   | 88       |
| 49) 1,4-Dioxane               | 9.301  | 88   | 9677     | 841.723 | ug/l # | 62       |
| 51) 4-Methyl-2-Pentanone      | 10.069 | 43   | 270516   | 254.917 | ug/l   | 93       |
| 52) Toluene                   | 10.246 | 92   | 235089   | 52.349  | ug/l   | 95       |
| 53) t-1,3-Dichloropropene     | 10.465 | 75   | 125137   | 52.167  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 9.929  | 75   | 146477   | 52.040  | ug/l   | 92       |
| 55) 1,1,2-Trichloroethane     | 10.648 | 97   | 67082    | 50.425  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 10.514 | 69   | 88250    | 51.080  | ug/l # | 86       |
| 57) 1,3-Dichloropropane       | 10.795 | 76   | 114942   | 50.753  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 9.783  | 63   | 213184   | 254.467 | ug/l   | 93       |
| 59) 2-Hexanone                | 10.831 | 43   | 190732   | 262.285 | ug/l   | 90       |
| 60) Dibromochloromethane      | 10.990 | 129  | 85391    | 51.164  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.093 | 107  | 64319    | 50.830  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.721 | 164  | 103484   | 48.448  | ug/l   | 98       |
| 65) Chlorobenzene             | 11.520 | 112  | 249982   | 52.397  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.593 | 131  | 94249    | 53.335  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.593 | 91   | 453694   | 53.167  | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.703 | 106  | 346978   | 105.227 | ug/l   | 95       |
| 69) o-Xylene                  | 12.032 | 106  | 166002   | 52.727  | ug/l   | 96       |
| 70) Styrene                   | 12.044 | 104  | 275782   | 52.692  | ug/l   | 96       |
| 71) Bromoform                 | 12.209 | 173  | 51135    | 52.162  | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.331 | 105  | 451368   | 54.216  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.148 | 43   | 92352    | 51.047  | ug/l # | 90       |
| 75) 1,1,2,2-Tetrachloroethane | 12.587 | 83   | 69010    | 52.092  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.636 | 75   | 96022    | 91.872  | ug/l # | 100      |
| 77) Bromobenzene              | 12.611 | 156  | 99377    | 52.716  | ug/l   | 95       |
| 78) n-propylbenzene           | 12.672 | 91   | 529542   | 53.800  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.758 | 91   | 291462   | 53.092  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.819 | 105  | 360433   | 53.438  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-b... | 12.380 | 75   | 24859    | 51.571  | ug/l   | 94       |
| 82) 4-Chlorotoluene           | 12.855 | 91   | 298090   | 52.879  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 13.081 | 119  | 327182   | 54.213  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 13.123 | 105  | 351949   | 52.733  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.258 | 105  | 477102   | 53.862  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.373 | 119  | 391321   | 53.304  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.373 | 146  | 194726   | 52.230  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 13.447 | 146  | 189562   | 51.443  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.703 | 91   | 360263   | 53.408  | ug/l   | 97       |
| 90) Hexachloroethane          | 13.965 | 117  | 71298    | 56.357  | ug/l   | 94       |
| 91) 1,2-Dichlorobenzene       | 13.745 | 146  | 167268   | 51.926  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.361 | 75   | 10832    | 45.688  | ug/l   | 88       |
| 93) 1,2,4-Trichlorobenzene    | 15.013 | 180  | 97993    | 49.287  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.117 | 225  | 55580    | 51.157  | ug/l   | 97       |
| 95) Naphthalene               | 15.239 | 128  | 177368   | 45.921  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.428 | 180  | 80970    | 47.674  | ug/l   | 99       |

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Sample : VSTDCCC050  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 2 Sample Multiplier: 1

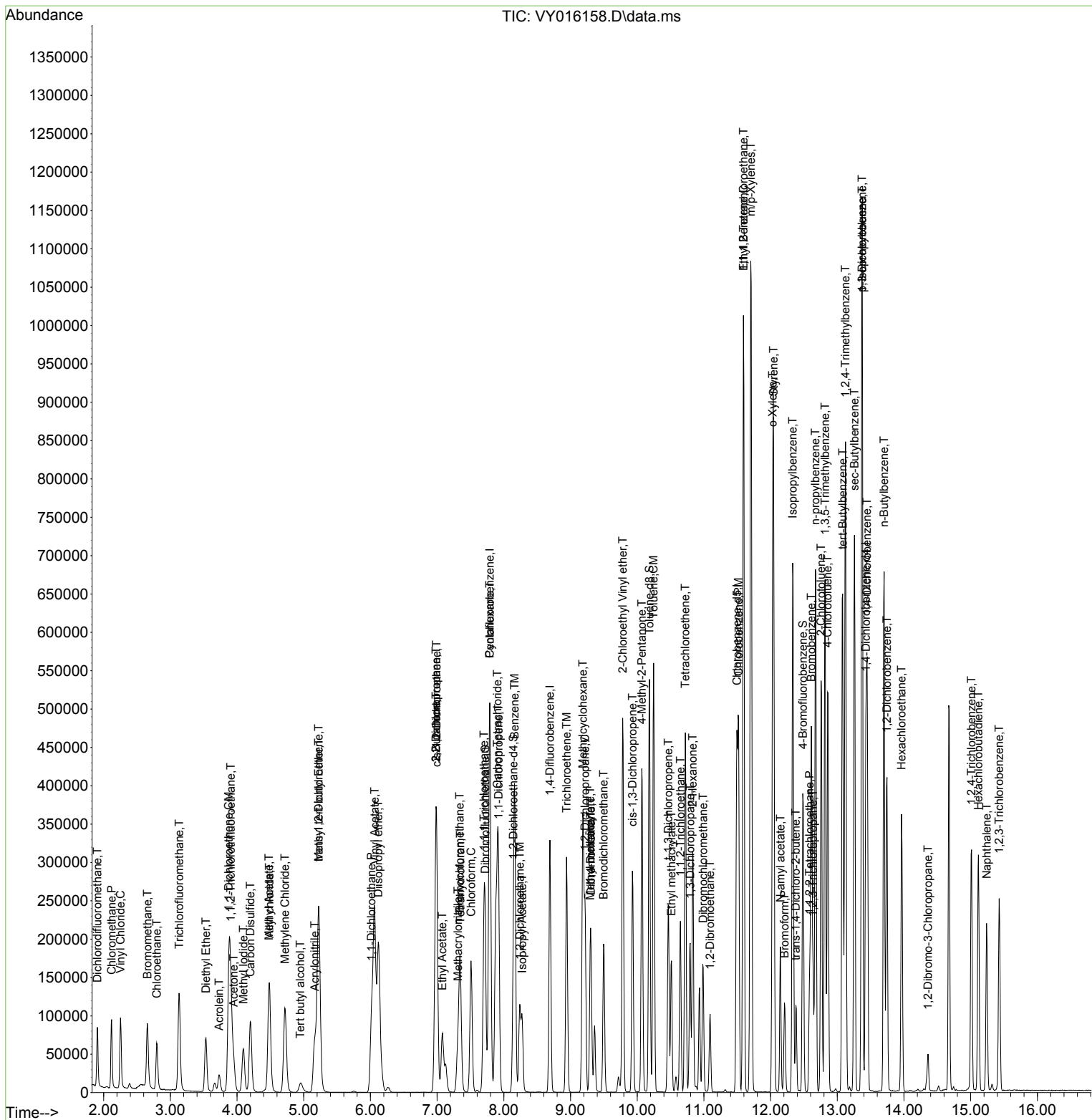
Instrument :  
MSVOA\_Y  
ClientSampleId :

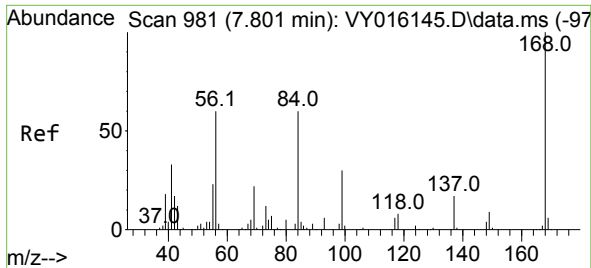
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y103123S.M  
Quant Title : SW846 8260  
QLast Update : Wed Nov 01 03:33:29 2023  
Response via : Initial Calibration

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

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

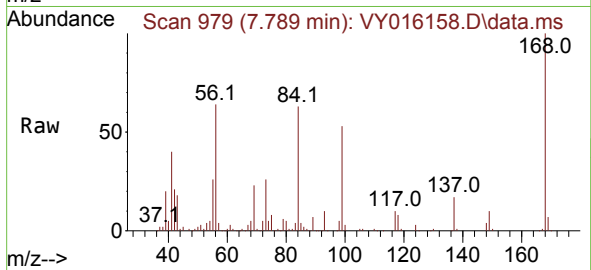
Quant Time: Nov 02 02:20:08 2023  
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Quant Title : SW846 8260  
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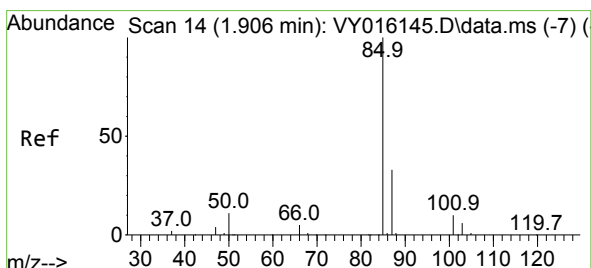
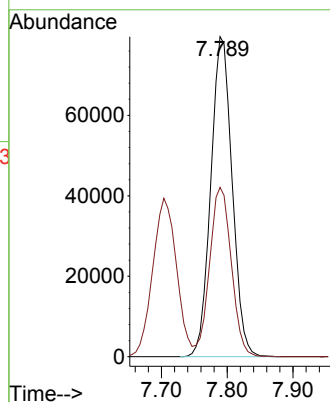
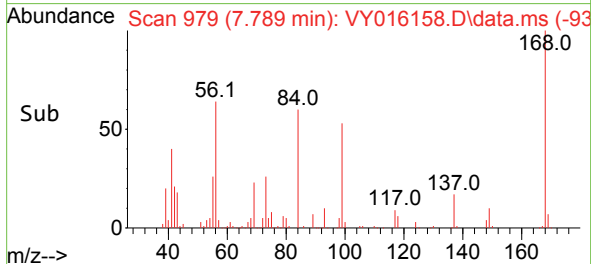


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.012 min  
Lab File: VY016158.D  
Acq: 01 Nov 2023 09:23

Instrument :  
MSVOA\_Y  
ClientSampleId :

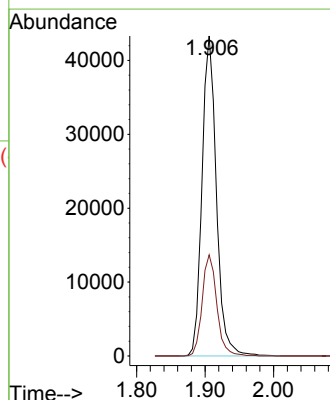
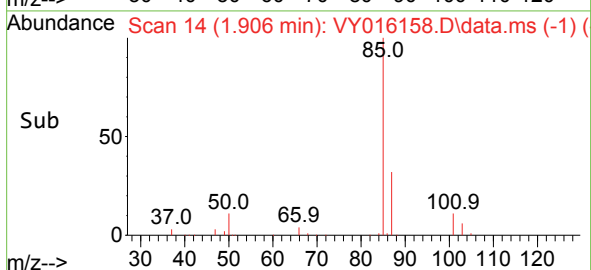
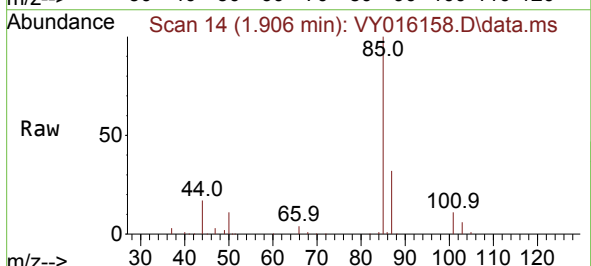


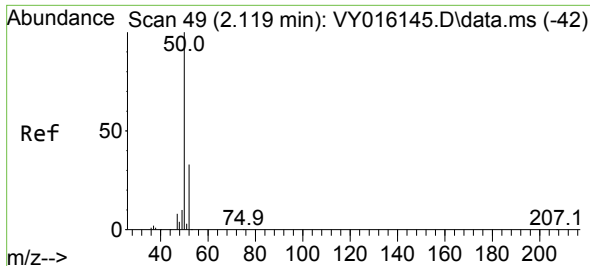
Tgt Ion:168 Resp: 179536  
Ion Ratio Lower Upper  
168 100  
99 52.9 43.4 65.0



#2  
Dichlorodifluoromethane  
Concen: 55.224 ug/l  
RT: 1.906 min Scan# 14  
Delta R.T. 0.000 min  
Lab File: VY016158.D  
Acq: 01 Nov 2023 09:23

Tgt Ion: 85 Resp: 63245  
Ion Ratio Lower Upper  
85 100  
87 31.6 15.6 46.8

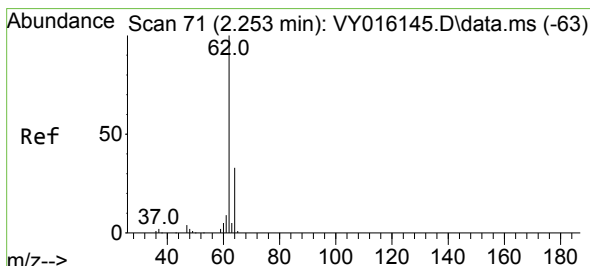
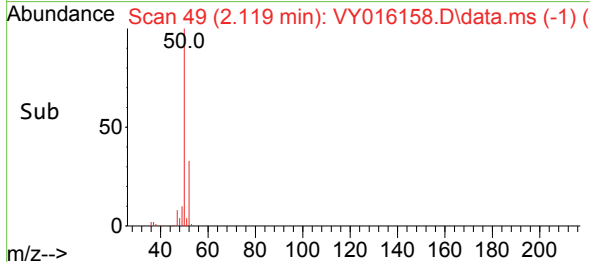
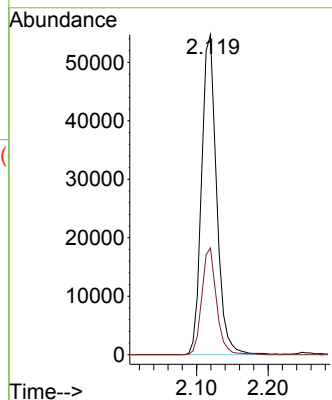
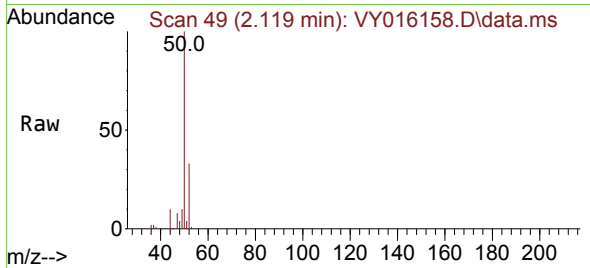




#3  
Chloromethane  
Concen: 50.359 ug/l  
RT: 2.119 min Scan# 49  
Delta R.T. 0.000 min  
Lab File: VY016158.D  
Acq: 01 Nov 2023 09:23

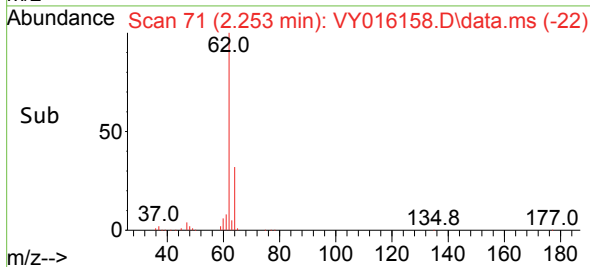
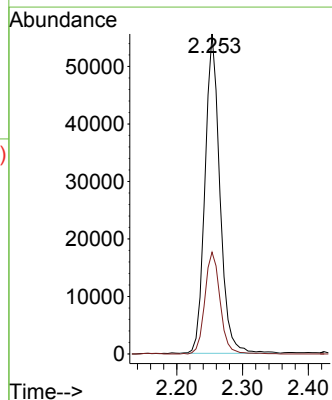
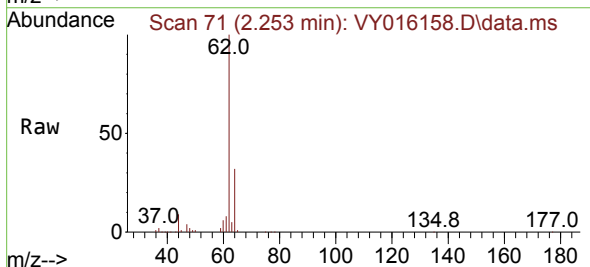
Instrument :  
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ClientSampleId :

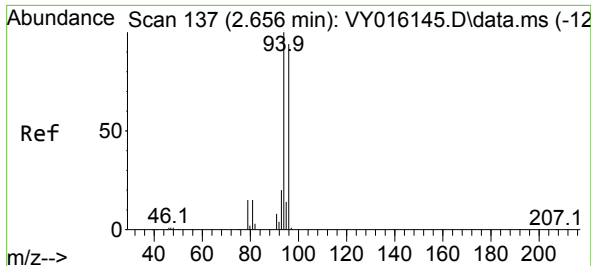
Tgt Ion: 50 Resp: 79851  
Ion Ratio Lower Upper  
50 100  
52 33.4 25.4 38.2



#4  
Vinyl Chloride  
Concen: 53.614 ug/l  
RT: 2.253 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: VY016158.D  
Acq: 01 Nov 2023 09:23

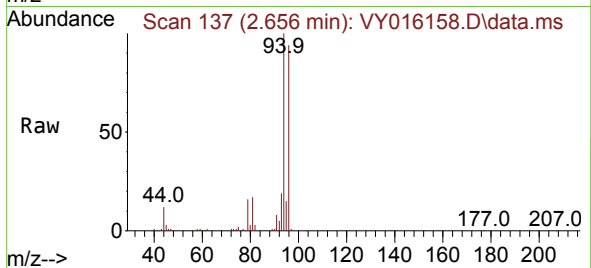
Tgt Ion: 62 Resp: 87742  
Ion Ratio Lower Upper  
62 100  
64 31.8 24.3 36.5



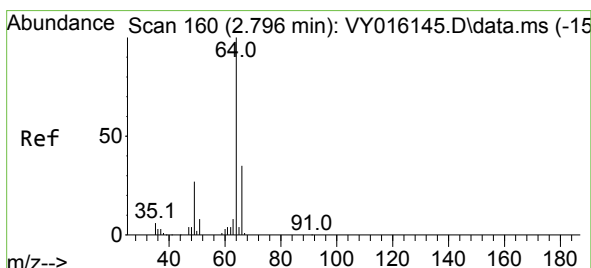
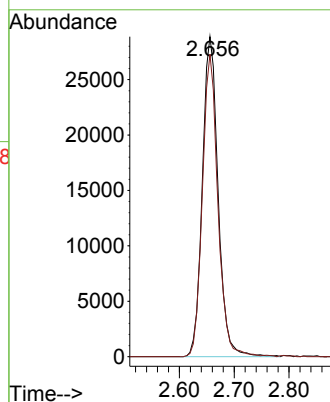
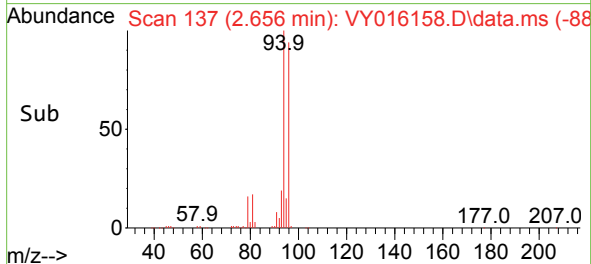


#5  
Bromomethane  
Concen: 52.182 ug/l  
RT: 2.656 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY016158.D  
Acq: 01 Nov 2023 09:23

Instrument :  
MSVOA\_Y  
ClientSampleId :

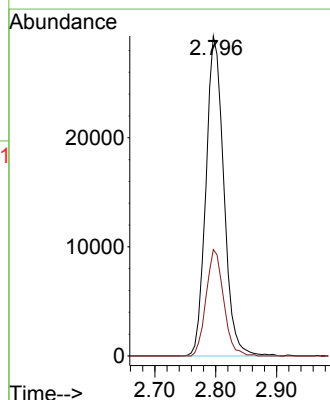
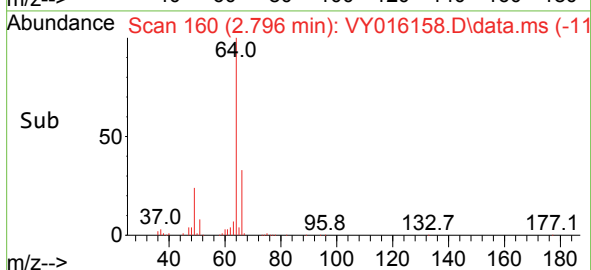
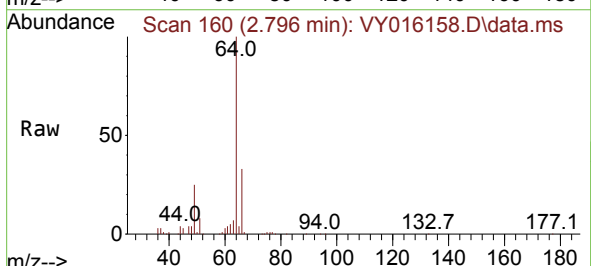


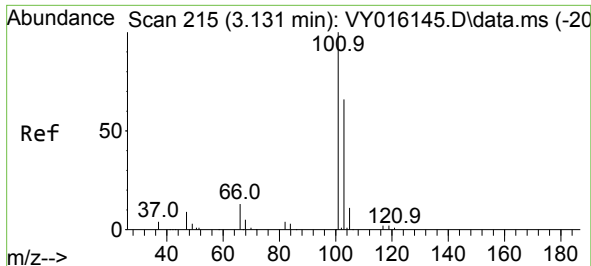
Tgt Ion: 94 Resp: 57633  
Ion Ratio Lower Upper  
94 100  
96 94.5 75.8 113.6



#6  
Chloroethane  
Concen: 51.882 ug/l  
RT: 2.796 min Scan# 160  
Delta R.T. 0.000 min  
Lab File: VY016158.D  
Acq: 01 Nov 2023 09:23

Tgt Ion: 64 Resp: 59777  
Ion Ratio Lower Upper  
64 100  
66 33.3 24.4 36.6

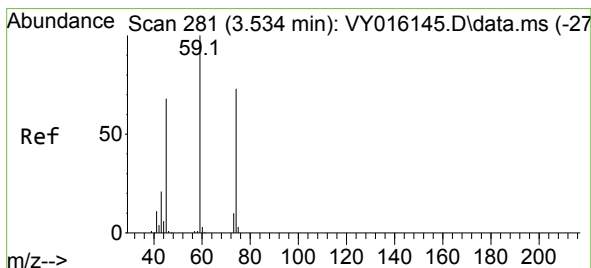
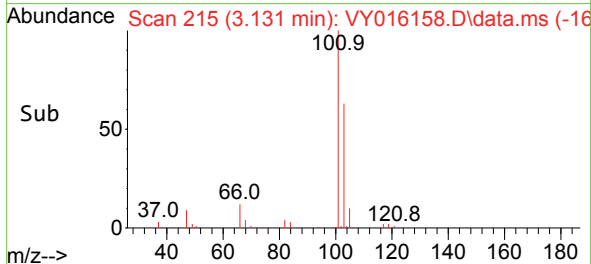
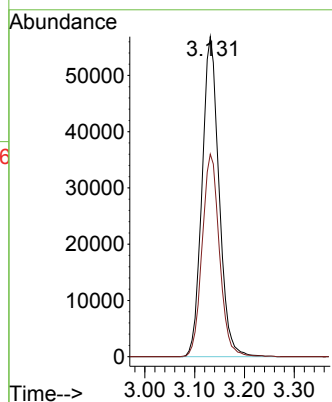
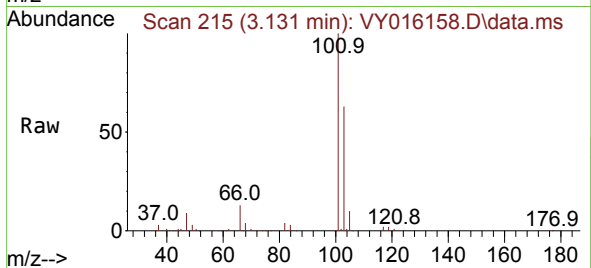




#7  
 Trichlorofluoromethane  
 Concen: 54.401 ug/l  
 RT: 3.131 min Scan# 215  
 Delta R.T. 0.000 min  
 Lab File: VY016158.D  
 Acq: 01 Nov 2023 09:23

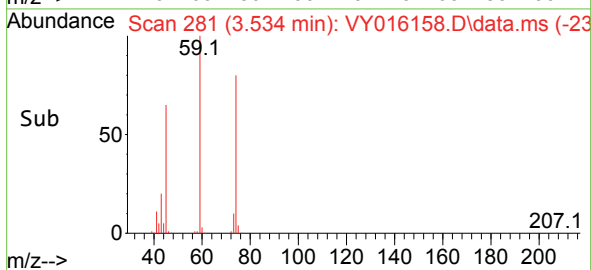
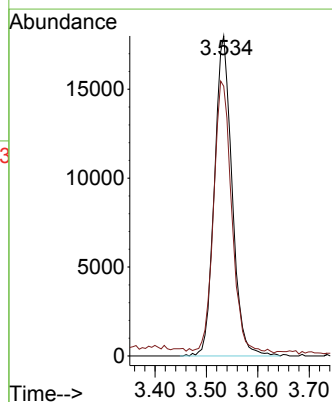
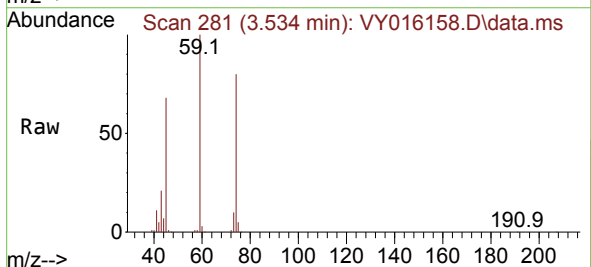
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

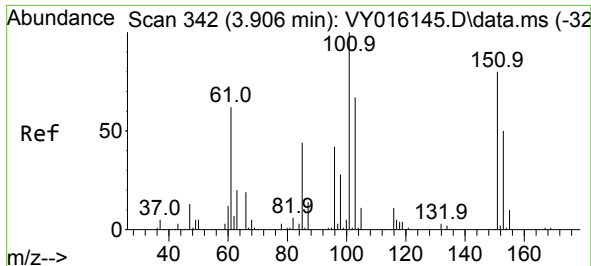
Tgt Ion:101 Resp: 134408  
 Ion Ratio Lower Upper  
 101 100  
 103 63.3 51.4 77.0



#8  
 Diethyl Ether  
 Concen: 52.366 ug/l  
 RT: 3.534 min Scan# 281  
 Delta R.T. 0.000 min  
 Lab File: VY016158.D  
 Acq: 01 Nov 2023 09:23

Tgt Ion: 74 Resp: 42881  
 Ion Ratio Lower Upper  
 74 100  
 45 87.6 51.5 154.5

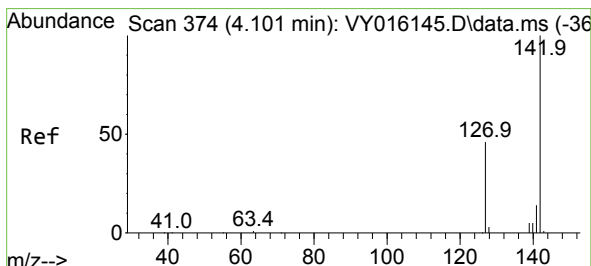
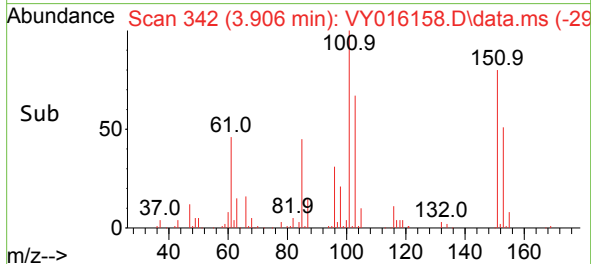
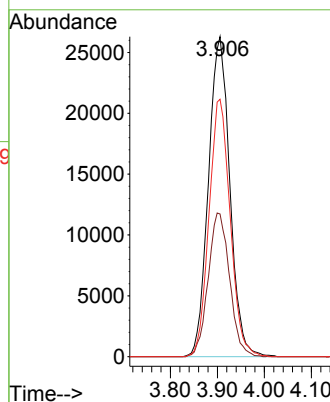
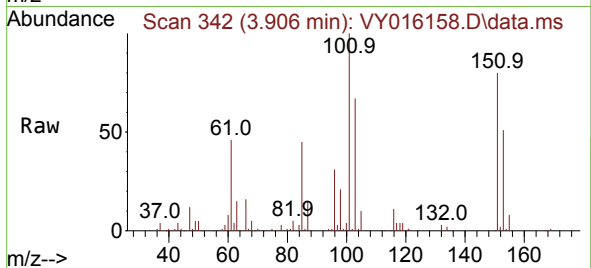




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 53.380 ug/l  
RT: 3.906 min Scan# 34  
Delta R.T. 0.000 min  
Lab File: VY016158.D  
Acq: 01 Nov 2023 09:23

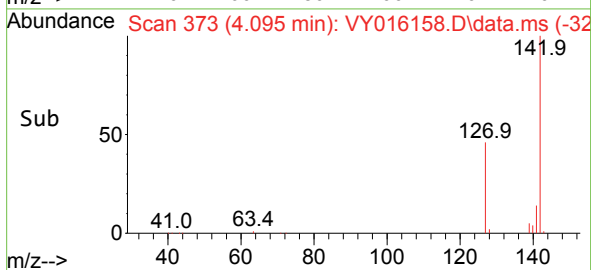
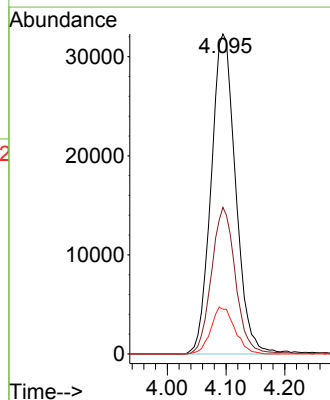
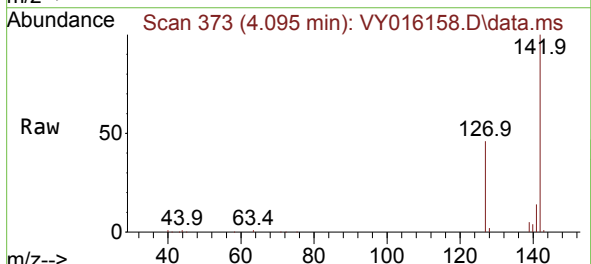
Instrument :  
MSVOA\_Y  
ClientSampleId :

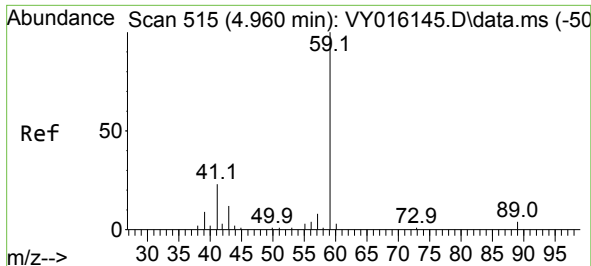
Tgt Ion:101 Resp: 83085  
Ion Ratio Lower Upper  
101 100  
85 44.9 36.6 55.0  
151 79.6 67.0 100.6



#10  
Methyl Iodide  
Concen: 54.005 ug/l  
RT: 4.095 min Scan# 373  
Delta R.T. -0.006 min  
Lab File: VY016158.D  
Acq: 01 Nov 2023 09:23

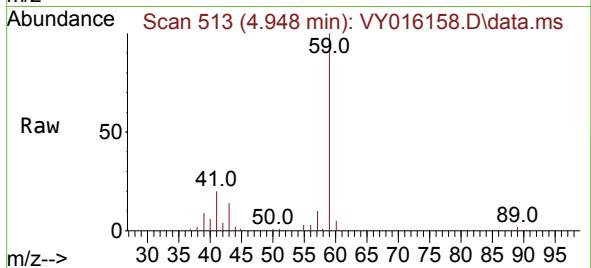
Tgt Ion:142 Resp: 93470  
Ion Ratio Lower Upper  
142 100  
127 45.0 37.6 56.4  
141 14.3 11.8 17.8



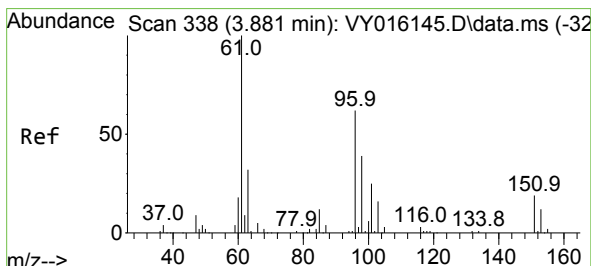
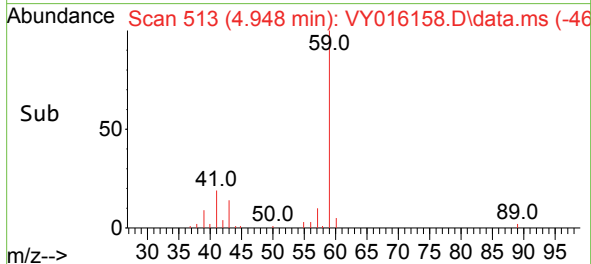
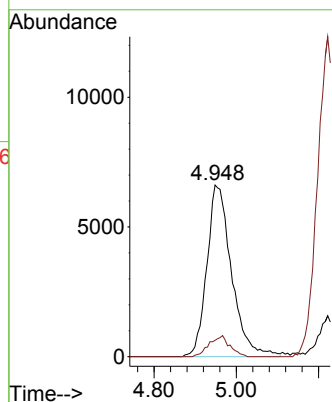


#11  
Tert butyl alcohol  
Concen: 219.647 ug/l  
RT: 4.948 min Scan# 51  
Delta R.T. -0.012 min  
Lab File: VY016158.D  
Acq: 01 Nov 2023 09:23

Instrument :  
MSVOA\_Y  
ClientSampleId :

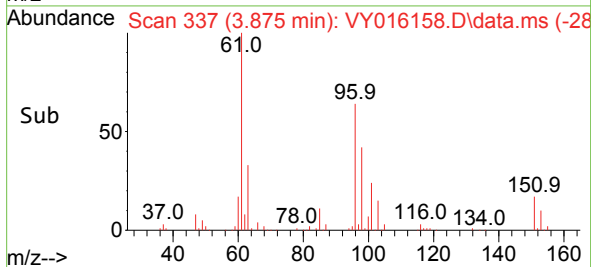
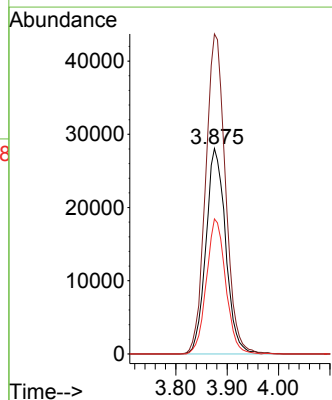
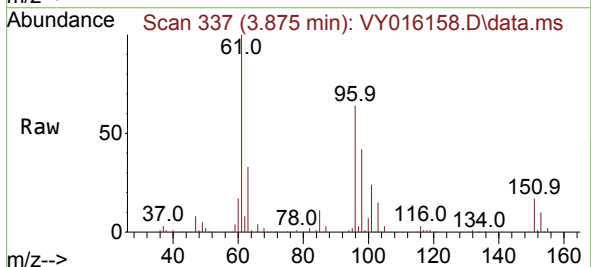


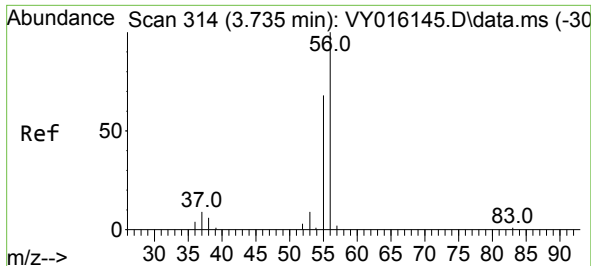
Tgt Ion: 59 Resp: 27570  
Ion Ratio Lower Upper  
59 100  
57 10.2 3.0 4.4#



#12  
1,1-Dichloroethene  
Concen: 52.781 ug/l  
RT: 3.875 min Scan# 337  
Delta R.T. -0.006 min  
Lab File: VY016158.D  
Acq: 01 Nov 2023 09:23

Tgt Ion: 96 Resp: 74983  
Ion Ratio Lower Upper  
96 100  
61 155.8 136.4 204.6  
98 65.7 49.4 74.2

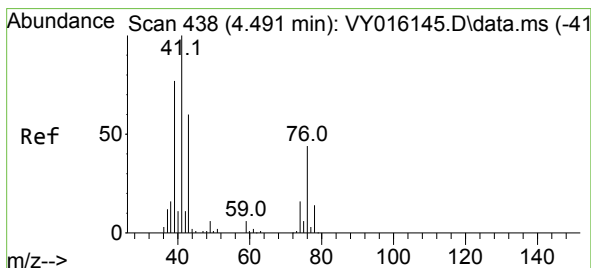
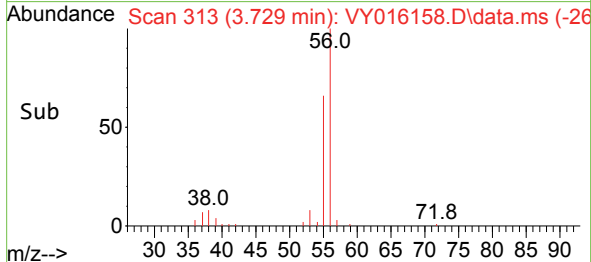
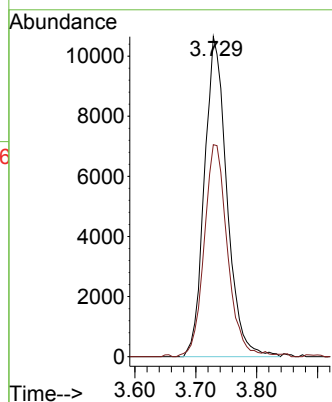
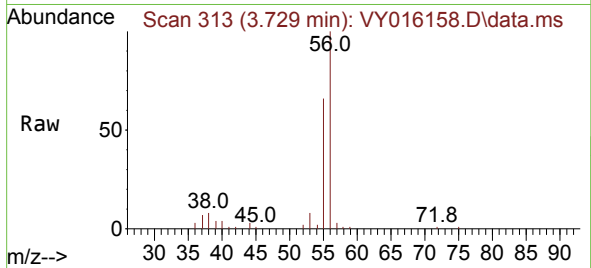




#13  
Acrolein  
Concen: 236.807 ug/l  
RT: 3.729 min Scan# 314  
Delta R.T. -0.006 min  
Lab File: VY016158.D  
Acq: 01 Nov 2023 09:23

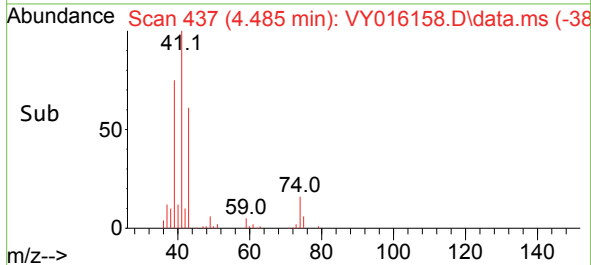
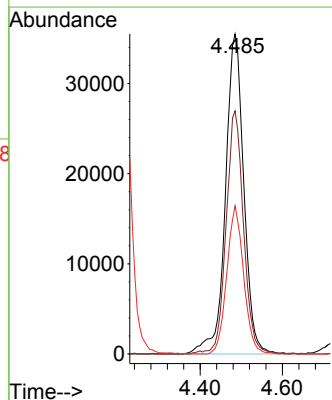
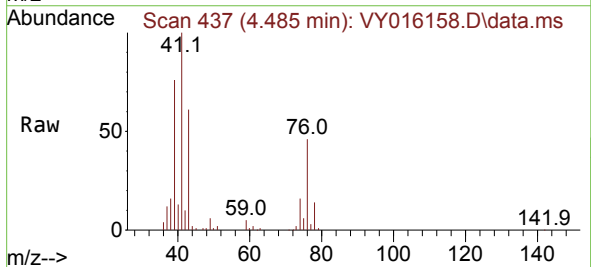
Instrument :  
MSVOA\_Y  
ClientSampleId :

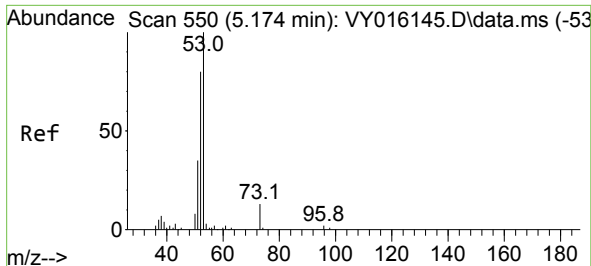
Tgt Ion: 56 Resp: 27363  
Ion Ratio Lower Upper  
56 100  
55 68.7 57.0 85.4



#14  
Allyl chloride  
Concen: 54.344 ug/l  
RT: 4.485 min Scan# 437  
Delta R.T. -0.006 min  
Lab File: VY016158.D  
Acq: 01 Nov 2023 09:23

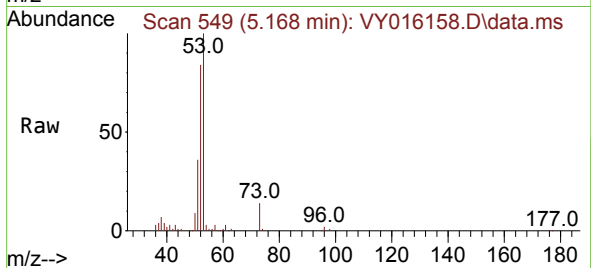
Tgt Ion: 41 Resp: 110428  
Ion Ratio Lower Upper  
41 100  
39 72.0 58.0 87.0  
76 42.4 27.4 41.2#



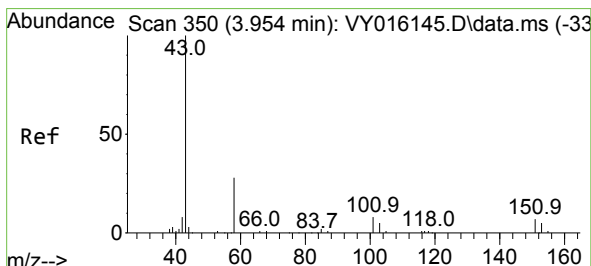
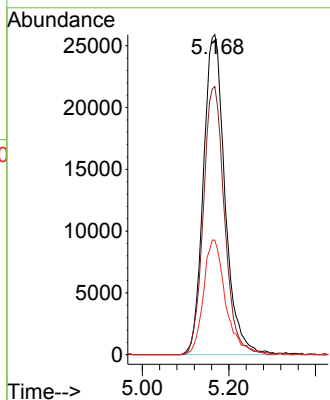
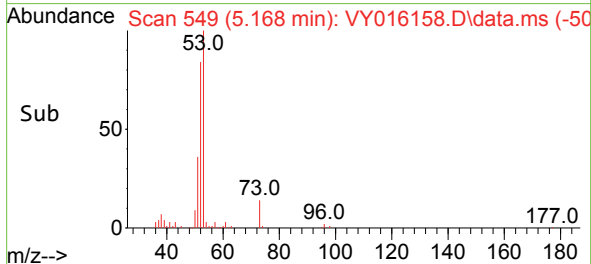


#15  
Acrylonitrile  
Concen: 256.595 ug/l  
RT: 5.168 min Scan# 549  
Delta R.T. -0.006 min  
Lab File: VY016158.D  
Acq: 01 Nov 2023 09:23

Instrument :  
MSVOA\_Y  
ClientSampleId :

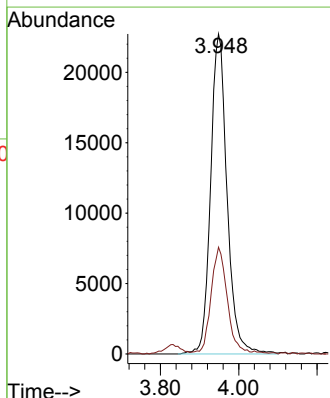
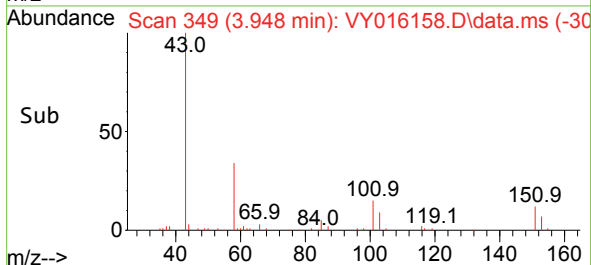
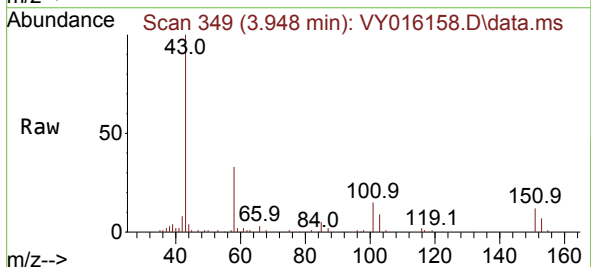


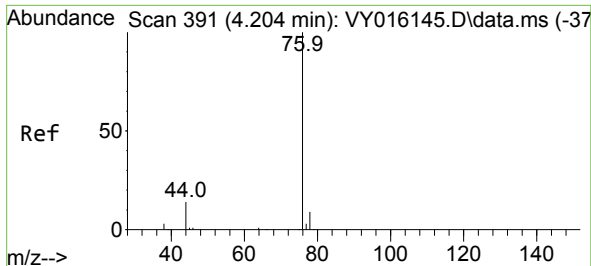
Tgt Ion: 53 Resp: 89786  
Ion Ratio Lower Upper  
53 100  
52 81.9 66.9 100.3  
51 36.7 29.8 44.6



#16  
Acetone  
Concen: 246.650 ug/l  
RT: 3.948 min Scan# 349  
Delta R.T. -0.006 min  
Lab File: VY016158.D  
Acq: 01 Nov 2023 09:23

Tgt Ion: 43 Resp: 66214  
Ion Ratio Lower Upper  
43 100  
58 33.4 22.7 34.1





#17

Carbon Disulfide

Concen: 54.811 ug/l

RT: 4.198 min Scan# 391

Delta R.T. -0.006 min

Lab File: VY016158.D

Acq: 01 Nov 2023 09:23

Instrument :

MSVOA\_Y

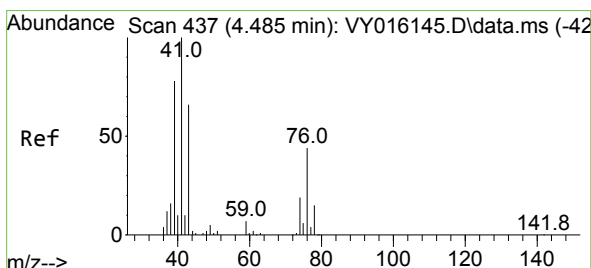
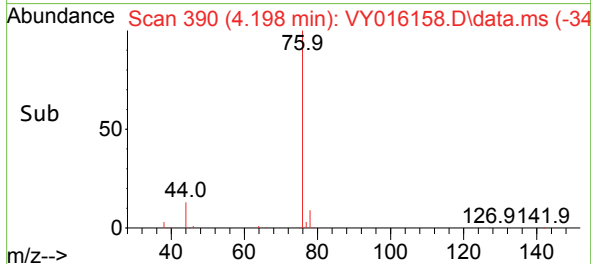
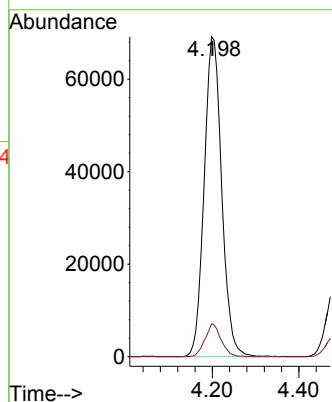
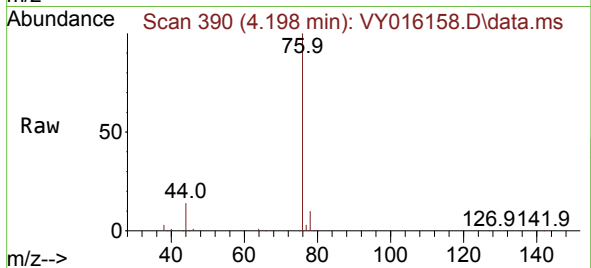
ClientSampleId :

Tgt Ion: 76 Resp: 194401

Ion Ratio Lower Upper

76 100

78 10.2 7.0 10.4



#18

Methyl Acetate

Concen: 50.429 ug/l

RT: 4.479 min Scan# 436

Delta R.T. -0.006 min

Lab File: VY016158.D

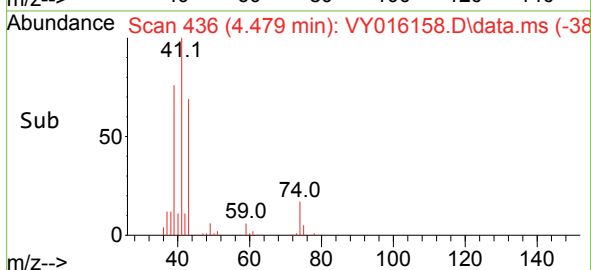
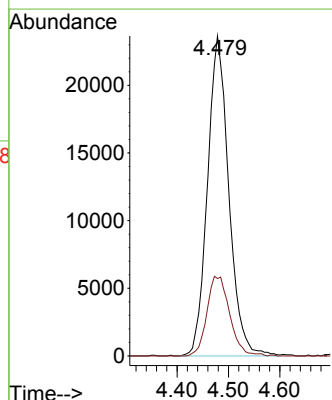
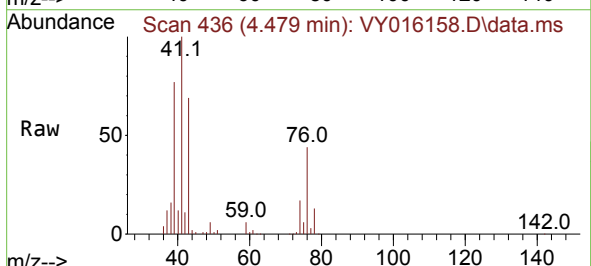
Acq: 01 Nov 2023 09:23

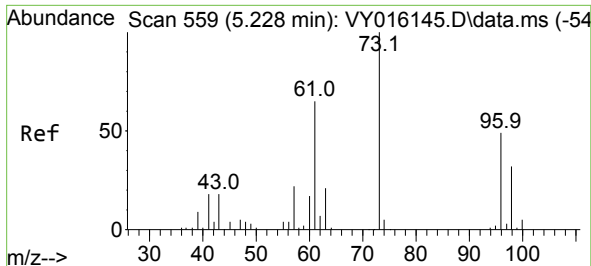
Tgt Ion: 43 Resp: 68132

Ion Ratio Lower Upper

43 100

74 26.6 17.4 26.0#





#19

Methyl tert-butyl Ether

Concen: 51.209 ug/l

RT: 5.222 min Scan# 51

Delta R.T. -0.006 min

Lab File: VY016158.D

Acq: 01 Nov 2023 09:23

Instrument :

MSVOA\_Y

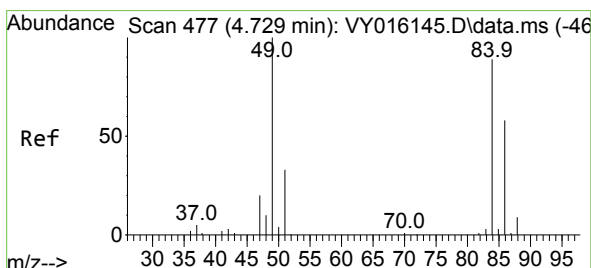
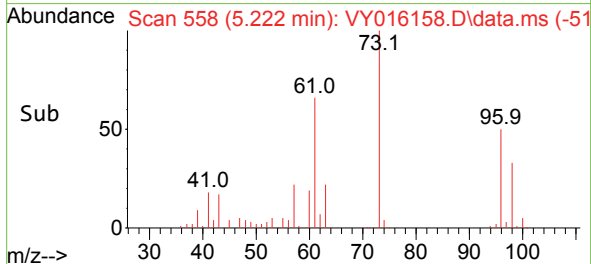
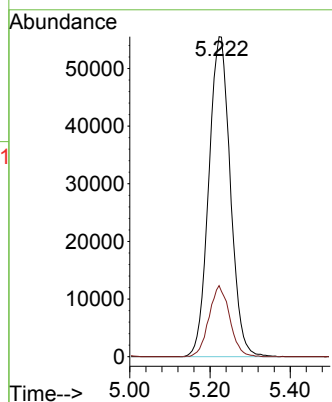
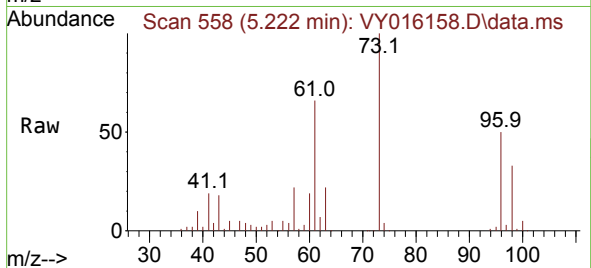
ClientSampleId :

Tgt Ion: 73 Resp: 206934

Ion Ratio Lower Upper

73 100

57 22.2 17.3 25.9



#20

Methylene Chloride

Concen: 50.807 ug/l

RT: 4.716 min Scan# 475

Delta R.T. -0.013 min

Lab File: VY016158.D

Acq: 01 Nov 2023 09:23

Tgt Ion: 84 Resp: 86731

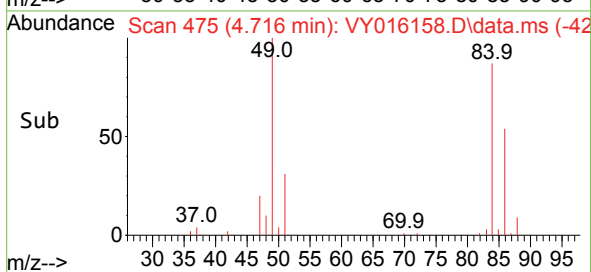
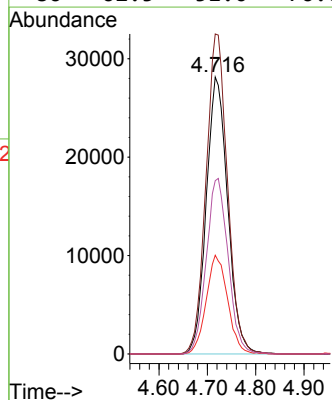
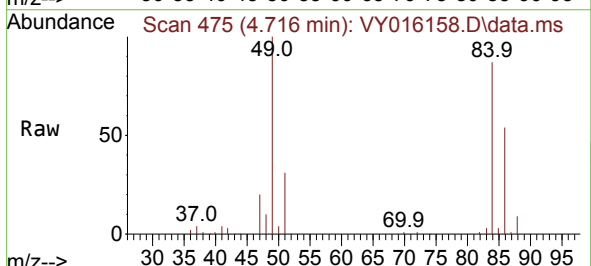
Ion Ratio Lower Upper

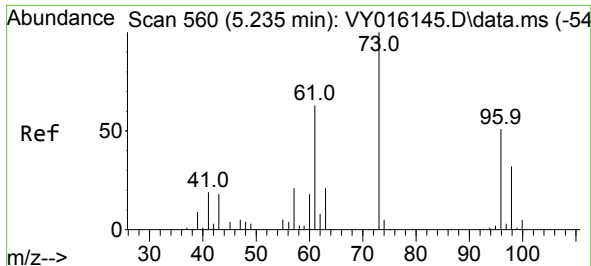
84 100

49 115.5 106.9 160.3

51 35.6 33.2 49.8

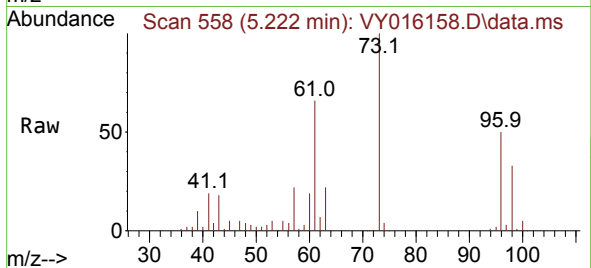
86 62.5 51.0 76.6



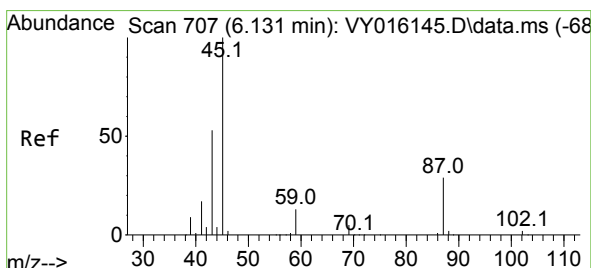
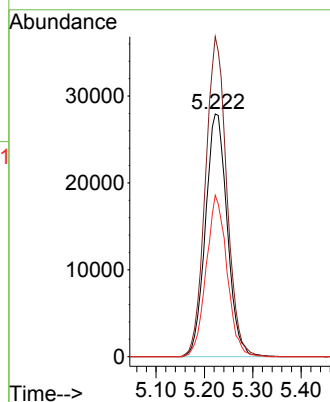
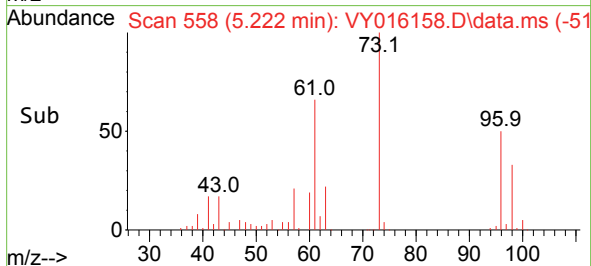


#21  
trans-1,2-Dichloroethene  
Concen: 52.835 ug/l  
RT: 5.222 min Scan# 51  
Delta R.T. -0.012 min  
Lab File: VY016158.D  
Acq: 01 Nov 2023 09:23

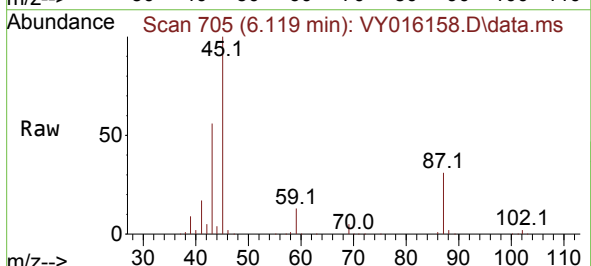
Instrument :  
MSVOA\_Y  
ClientSampleId :



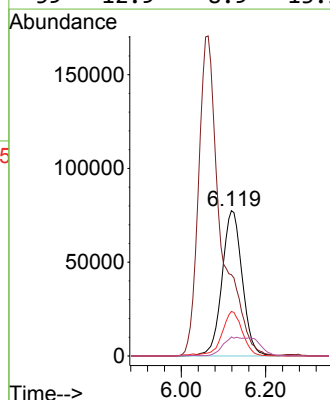
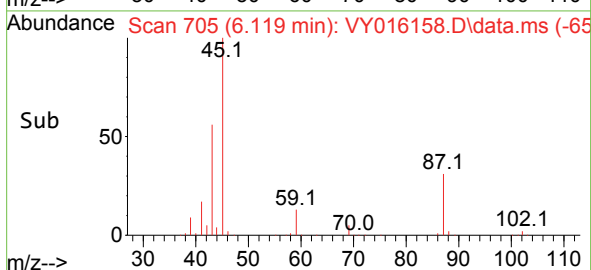
Tgt Ion: 96 Resp: 87430  
Ion Ratio Lower Upper  
96 100  
61 131.8 110.2 165.4  
98 66.5 51.8 77.6

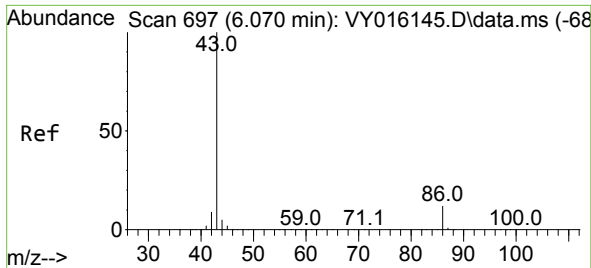


#22  
Diisopropyl ether  
Concen: 52.378 ug/l  
RT: 6.119 min Scan# 705  
Delta R.T. -0.012 min  
Lab File: VY016158.D  
Acq: 01 Nov 2023 09:23



Tgt Ion: 45 Resp: 257434  
Ion Ratio Lower Upper  
45 100  
43 55.6 52.2 78.4  
87 30.5 21.0 31.6  
59 12.9 8.9 13.3

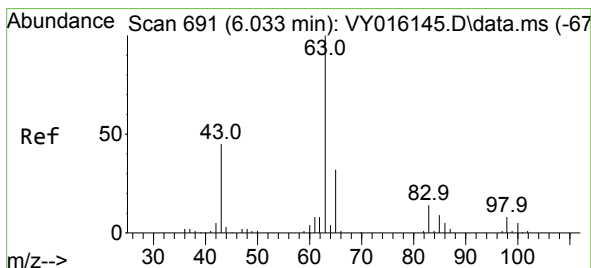
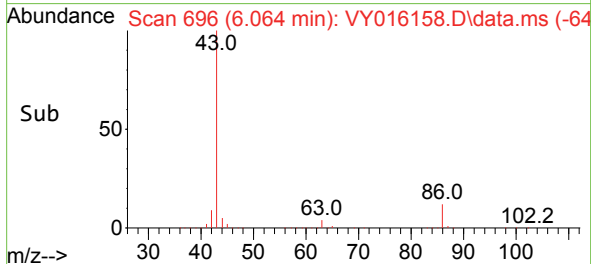
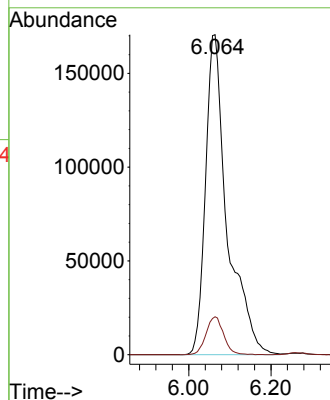
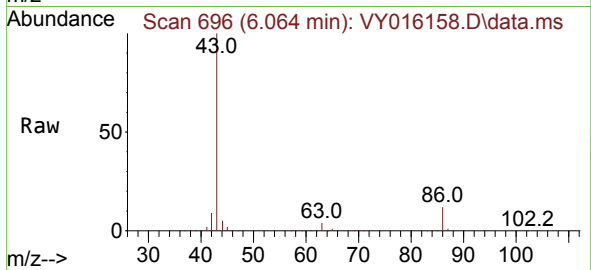




#23  
 Vinyl Acetate  
 Concen: 258.919 ug/l  
 RT: 6.064 min Scan# 61  
 Delta R.T. -0.006 min  
 Lab File: VY016158.D  
 Acq: 01 Nov 2023 09:23

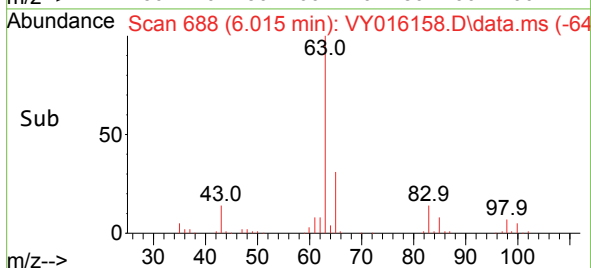
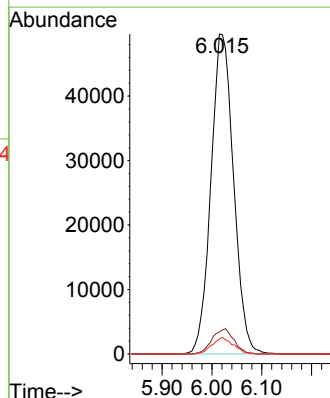
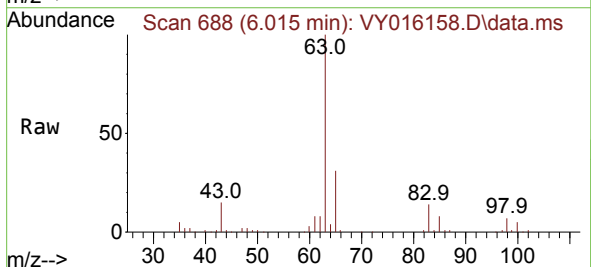
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

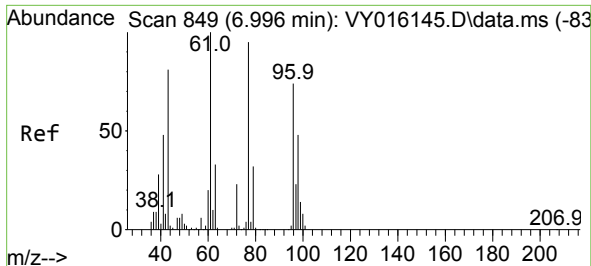
Tgt Ion: 43 Resp: 624805  
 Ion Ratio Lower Upper  
 43 100  
 86 11.9 7.5 11.3#



#24  
 1,1-Dichloroethane  
 Concen: 53.172 ug/l  
 RT: 6.015 min Scan# 688  
 Delta R.T. -0.018 min  
 Lab File: VY016158.D  
 Acq: 01 Nov 2023 09:23

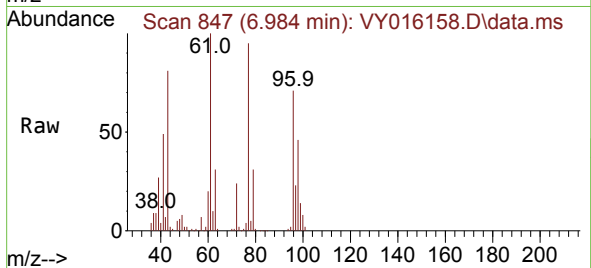
Tgt Ion: 63 Resp: 156405  
 Ion Ratio Lower Upper  
 63 100  
 98 6.8 3.1 9.4  
 100 4.6 1.8 5.5



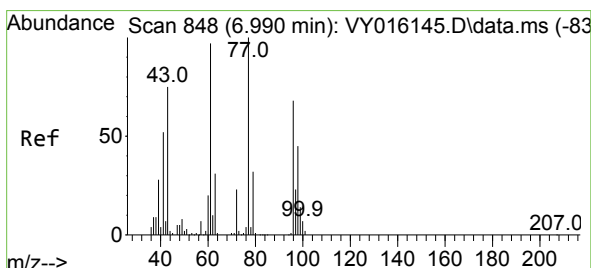
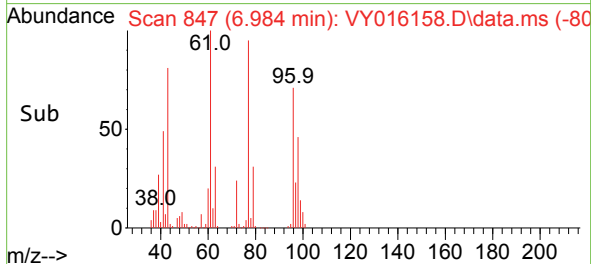
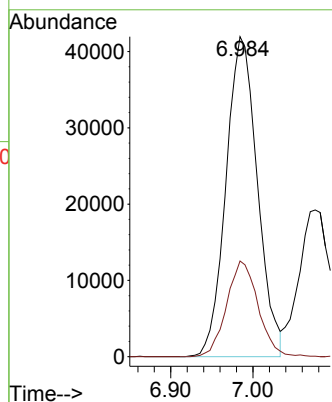


#25  
2-Butanone  
Concen: 240.780 ug/l  
RT: 6.984 min Scan# 847  
Delta R.T. -0.012 min  
Lab File: VY016158.D  
Acq: 01 Nov 2023 09:23

Instrument :  
MSVOA\_Y  
ClientSampleId :

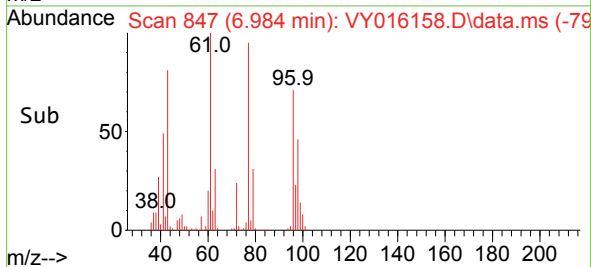
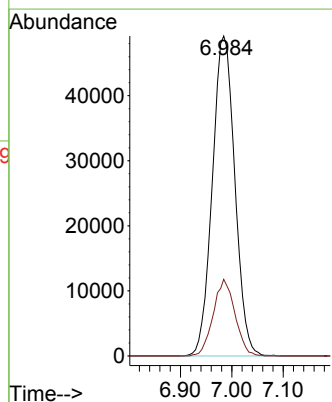
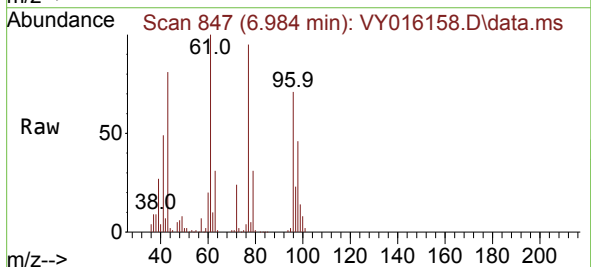


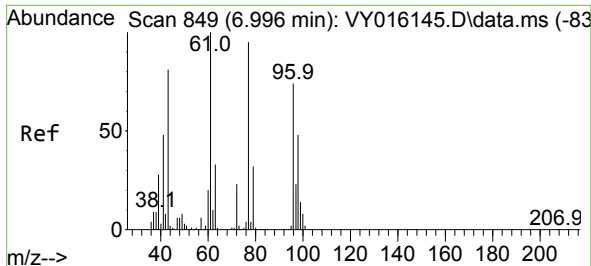
Tgt Ion: 43 Resp: 111599  
Ion Ratio Lower Upper  
43 100  
72 29.9 20.5 30.7



#26  
2,2-Dichloropropane  
Concen: 53.748 ug/l  
RT: 6.984 min Scan# 847  
Delta R.T. -0.006 min  
Lab File: VY016158.D  
Acq: 01 Nov 2023 09:23

Tgt Ion: 77 Resp: 149453  
Ion Ratio Lower Upper  
77 100  
97 23.1 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 53.045 ug/l

RT: 6.990 min Scan# 849

Delta R.T. -0.006 min

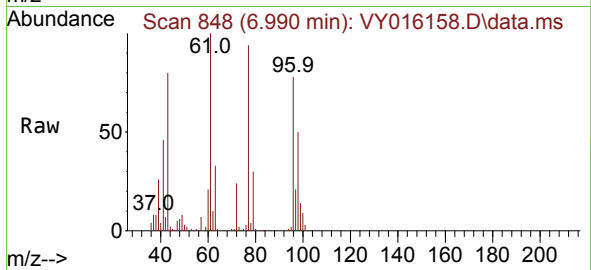
Lab File: VY016158.D

Acq: 01 Nov 2023 09:23

Instrument :

MSVOA\_Y

ClientSampleId :



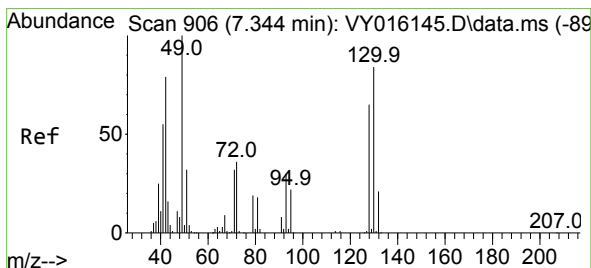
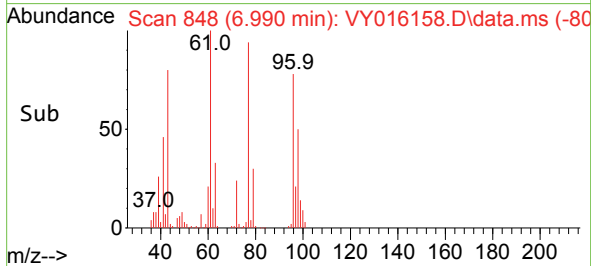
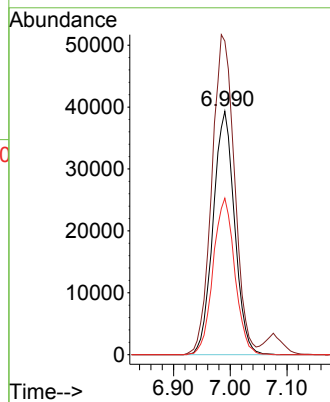
Tgt Ion: 96 Resp: 103301

Ion Ratio Lower Upper

96 100

61 138.8 0.0 301.4

98 65.0 0.0 130.4



#28

Bromochloromethane

Concen: 46.825 ug/l

RT: 7.338 min Scan# 905

Delta R.T. -0.006 min

Lab File: VY016158.D

Acq: 01 Nov 2023 09:23

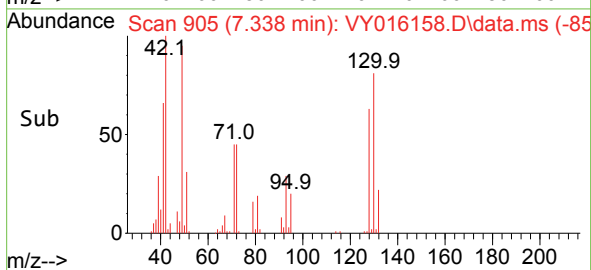
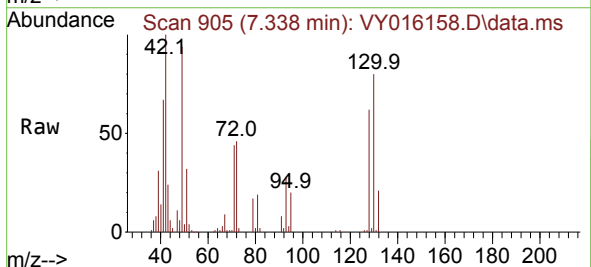
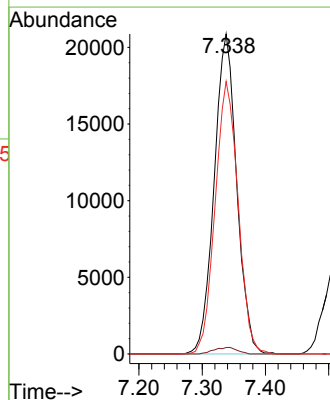
Tgt Ion: 49 Resp: 51542

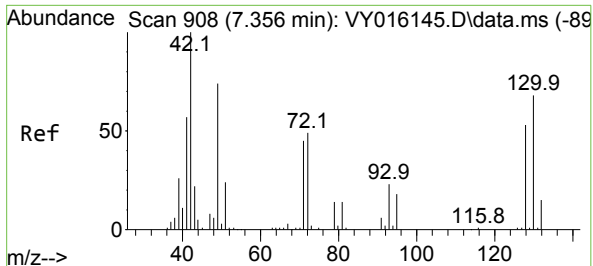
Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.6

130 86.6 60.7 91.1





#29

Tetrahydrofuran

Concen: 254.180 ug/l

RT: 7.350 min Scan# 908

Delta R.T. -0.006 min

Lab File: VY016158.D

Acq: 01 Nov 2023 09:23

Instrument :

MSVOA\_Y

ClientSampleId :

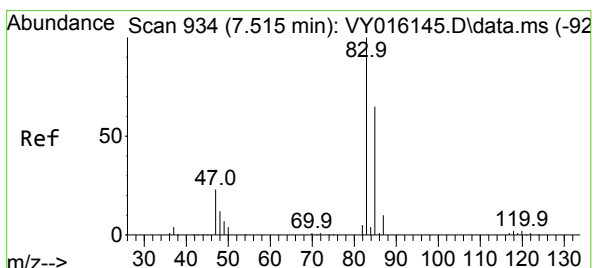
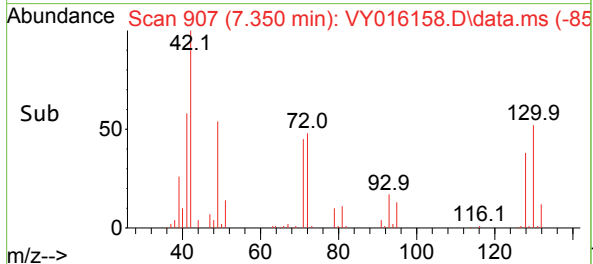
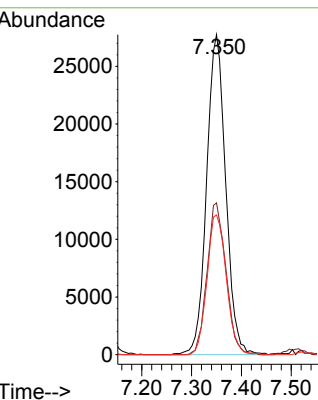
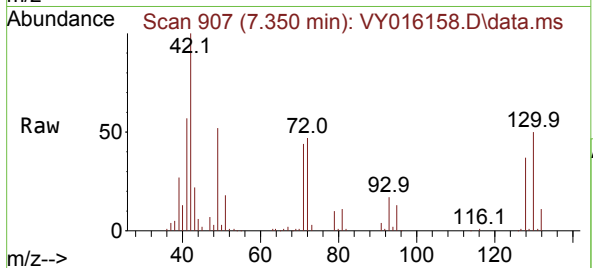
Tgt Ion: 42 Resp: 73850

Ion Ratio Lower Upper

42 100

72 46.9 32.8 49.2

71 44.1 31.0 46.4



#30

Chloroform

Concen: 52.081 ug/l

RT: 7.509 min Scan# 933

Delta R.T. -0.006 min

Lab File: VY016158.D

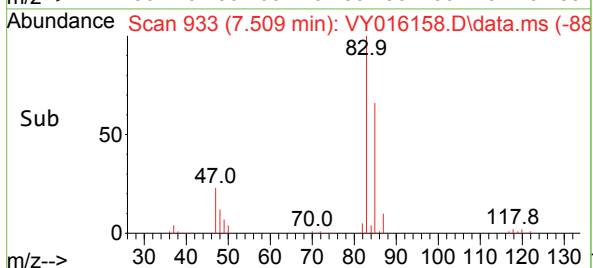
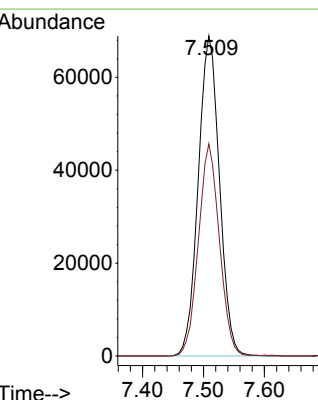
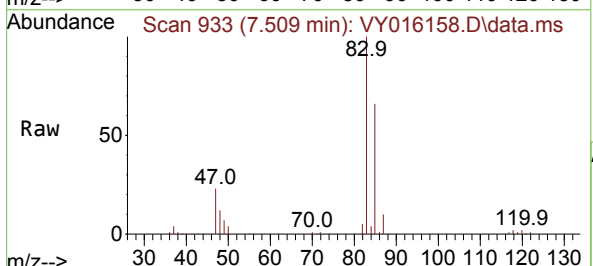
Acq: 01 Nov 2023 09:23

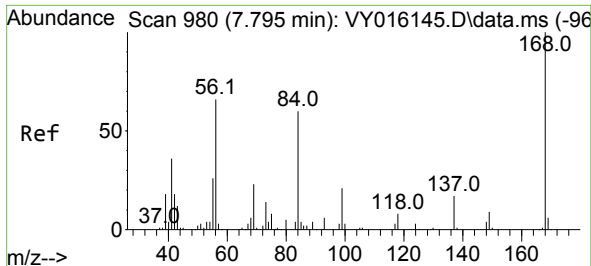
Tgt Ion: 83 Resp: 166788

Ion Ratio Lower Upper

83 100

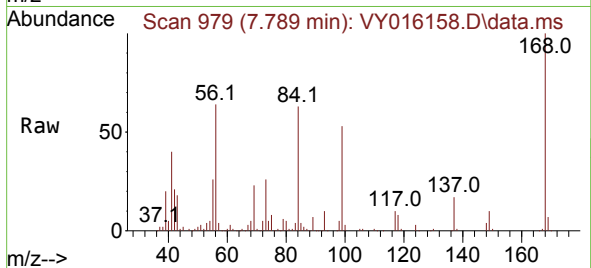
85 66.3 49.7 74.5



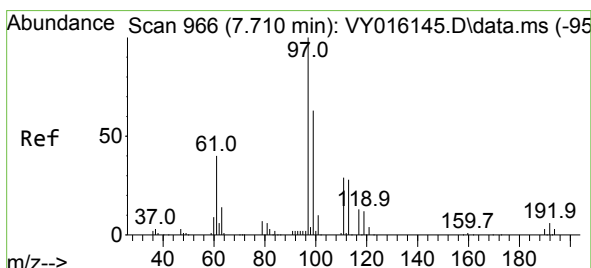
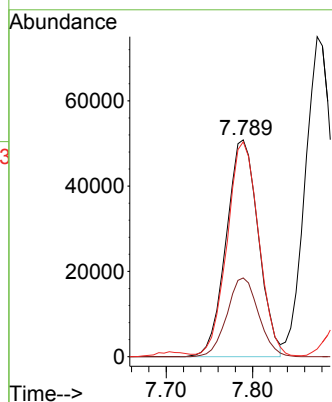
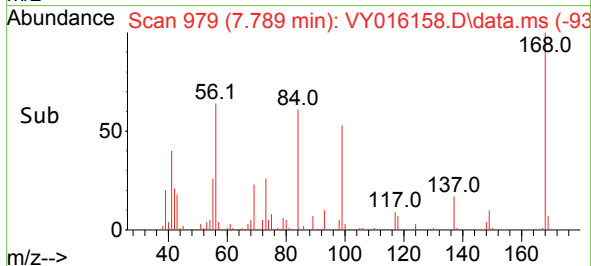


#31  
Cyclohexane  
Concen: 50.851 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY016158.D  
Acq: 01 Nov 2023 09:23

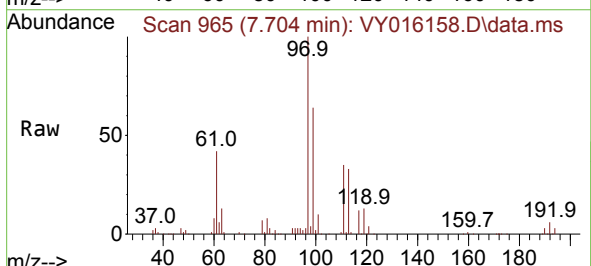
Instrument :  
MSVOA\_Y  
ClientSampleId :



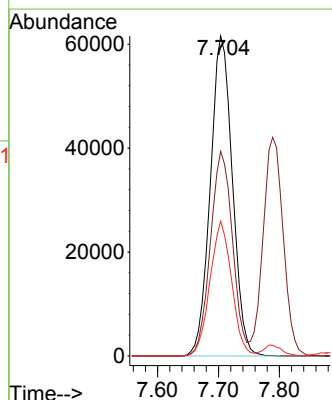
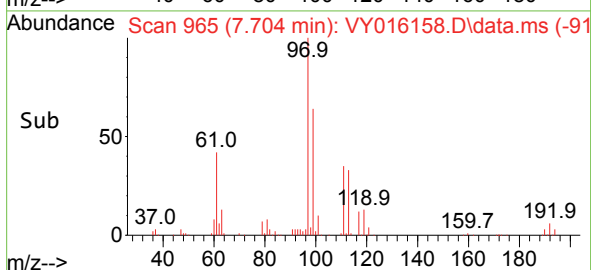
Tgt Ion: 56 Resp: 131323  
Ion Ratio Lower Upper  
56 100  
69 36.3 27.8 41.6  
84 97.3 66.4 99.6

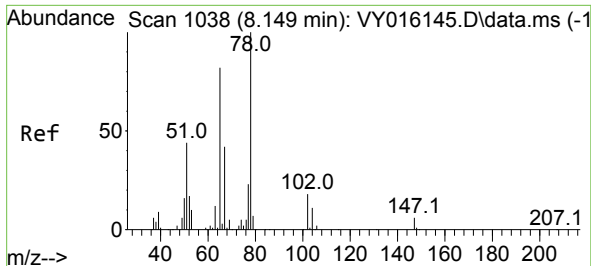


#32  
1,1,1-Trichloroethane  
Concen: 52.748 ug/l  
RT: 7.704 min Scan# 965  
Delta R.T. -0.006 min  
Lab File: VY016158.D  
Acq: 01 Nov 2023 09:23



Tgt Ion: 97 Resp: 154920  
Ion Ratio Lower Upper  
97 100  
99 64.0 50.8 76.2  
61 41.4 35.1 52.7





#33

1,2-Dichloroethane-d4

Concen: 51.866 ug/l

RT: 8.143 min Scan# 1038

Delta R.T. -0.006 min

Lab File: VY016158.D

Acq: 01 Nov 2023 09:23

Instrument :

MSVOA\_Y

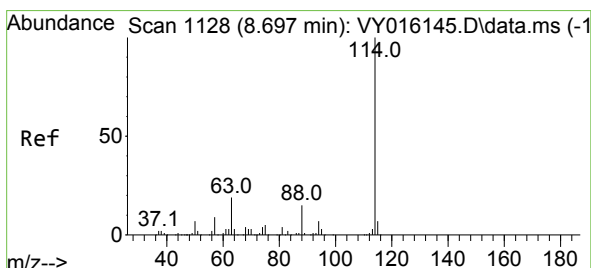
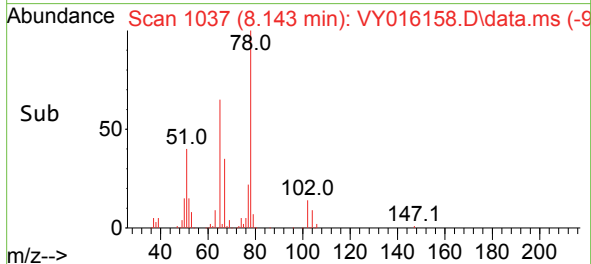
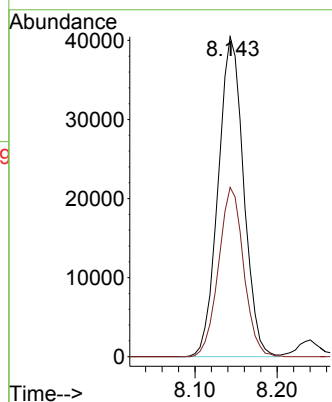
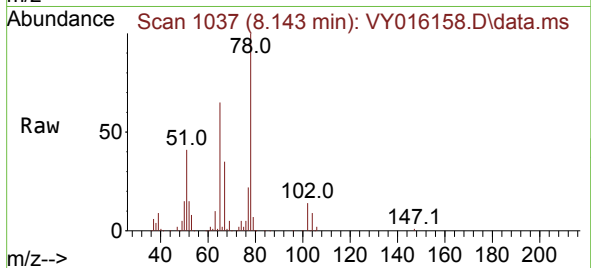
ClientSampleId :

Tgt Ion: 65 Resp: 87134

Ion Ratio Lower Upper

65 100

67 52.1 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VY016158.D

Acq: 01 Nov 2023 09:23

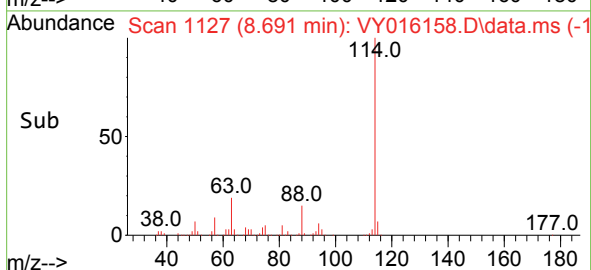
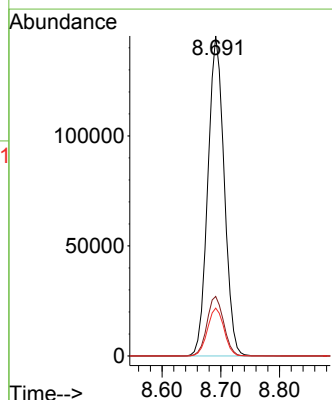
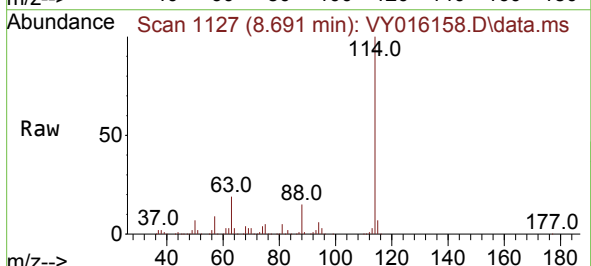
Tgt Ion: 114 Resp: 280414

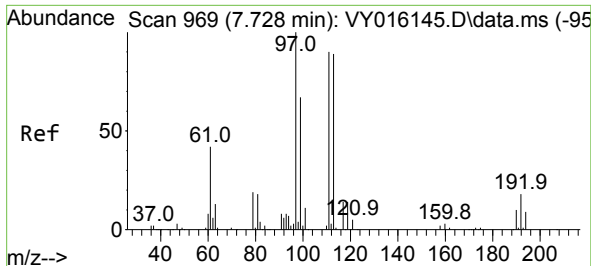
Ion Ratio Lower Upper

114 100

63 18.6 0.0 42.4

88 14.9 0.0 30.6

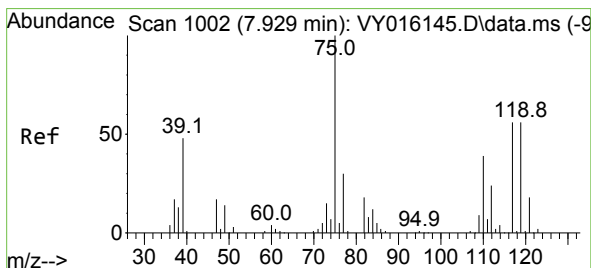
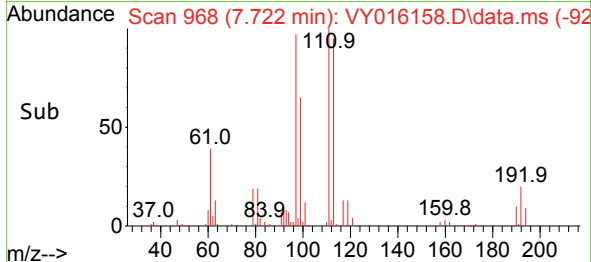
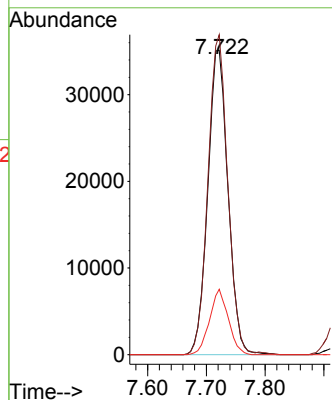
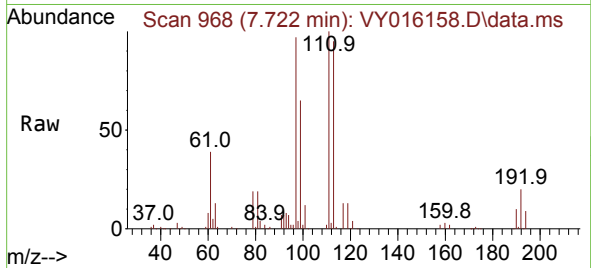




#35  
Dibromofluoromethane  
Concen: 50.326 ug/l  
RT: 7.722 min Scan# 90  
Delta R.T. -0.006 min  
Lab File: VY016158.D  
Acq: 01 Nov 2023 09:23

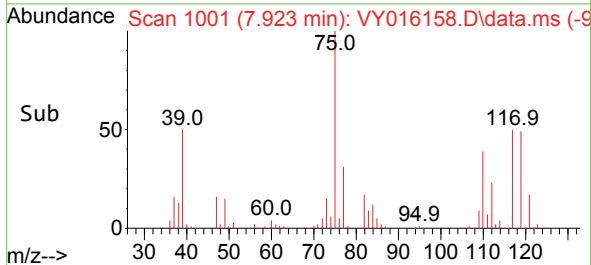
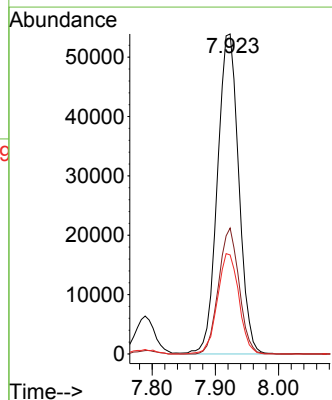
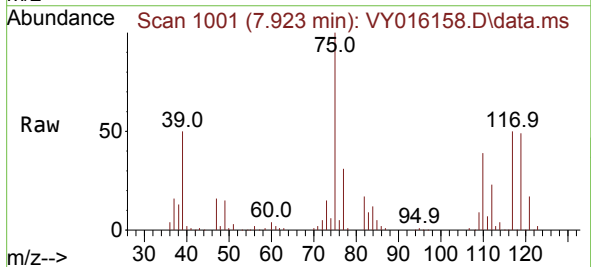
Instrument :  
MSVOA\_Y  
ClientSampleId :

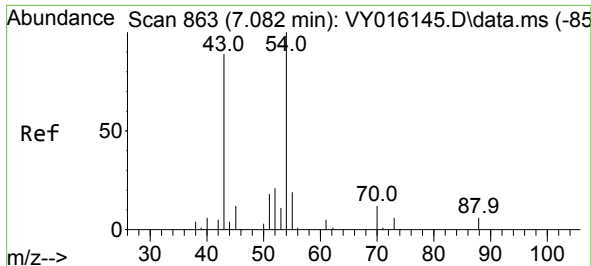
Tgt Ion:113 Resp: 84133  
Ion Ratio Lower Upper  
113 100  
111 102.8 81.3 121.9  
192 19.9 16.9 25.3



#36  
1,1-Dichloropropene  
Concen: 52.193 ug/l  
RT: 7.923 min Scan# 1001  
Delta R.T. -0.006 min  
Lab File: VY016158.D  
Acq: 01 Nov 2023 09:23

Tgt Ion: 75 Resp: 125994  
Ion Ratio Lower Upper  
75 100  
110 37.9 17.8 53.5  
77 31.5 24.4 36.6





#37

Ethyl Acetate

Concen: 49.986 ug/l

RT: 7.076 min Scan# 81

Delta R.T. -0.006 min

Lab File: VY016158.D

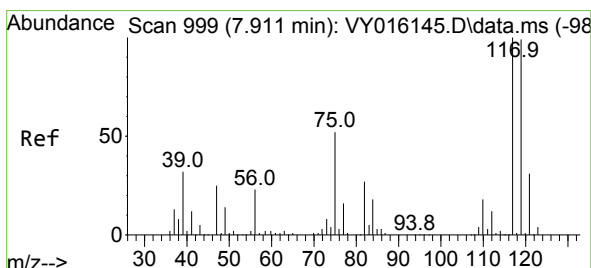
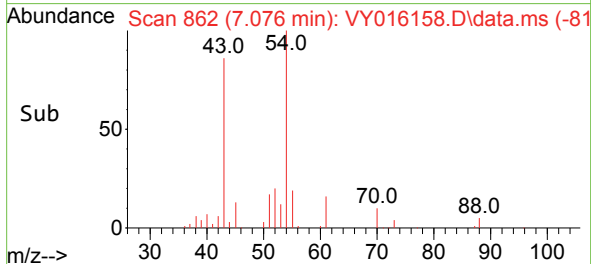
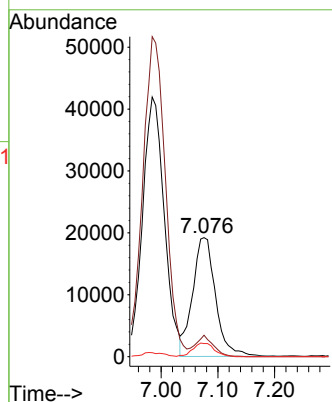
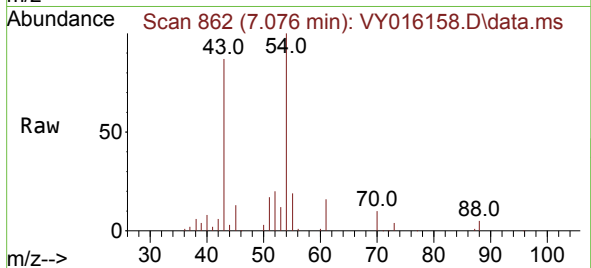
Acq: 01 Nov 2023 09:23

Instrument :

MSVOA\_Y

ClientSampleId :

|             |                |
|-------------|----------------|
| Tgt Ion: 43 | Resp: 53744    |
| Ion Ratio   | Lower Upper    |
| 43          | 100            |
| 61          | 14.3 10.1 15.1 |
| 70          | 10.7 7.1 10.7# |



#38

Carbon Tetrachloride

Concen: 57.391 ug/l

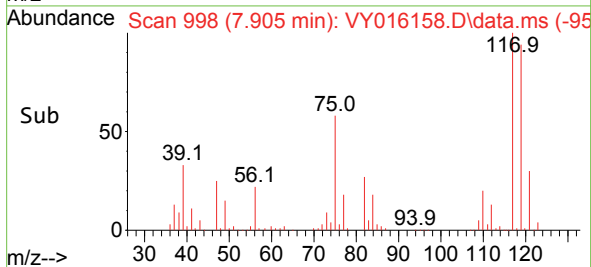
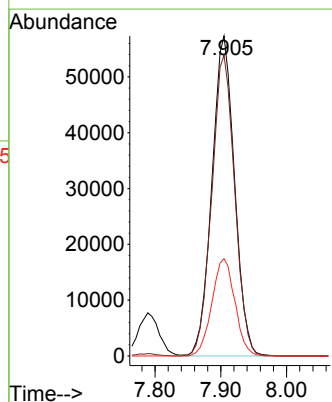
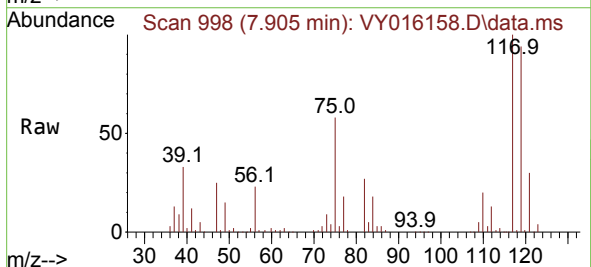
RT: 7.905 min Scan# 998

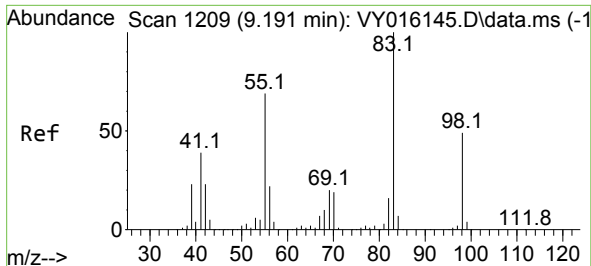
Delta R.T. -0.006 min

Lab File: VY016158.D

Acq: 01 Nov 2023 09:23

|              |                 |
|--------------|-----------------|
| Tgt Ion: 117 | Resp: 137255    |
| Ion Ratio    | Lower Upper     |
| 117          | 100             |
| 119          | 94.0 76.4 114.6 |
| 121          | 30.4 25.8 38.6  |





#39

Methylcyclohexane

Concen: 53.983 ug/l

RT: 9.185 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY016158.D

Acq: 01 Nov 2023 09:23

Instrument :

MSVOA\_Y

ClientSampleId :

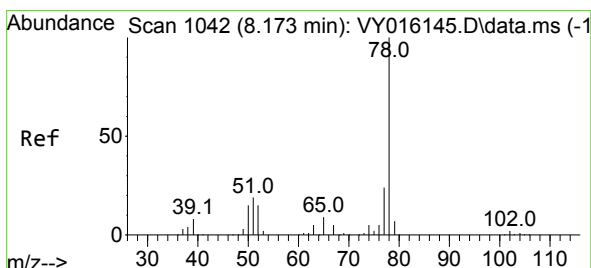
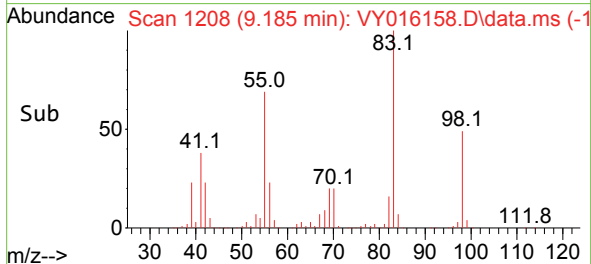
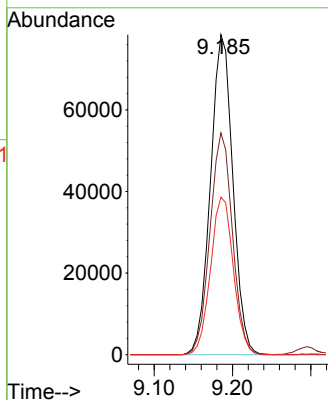
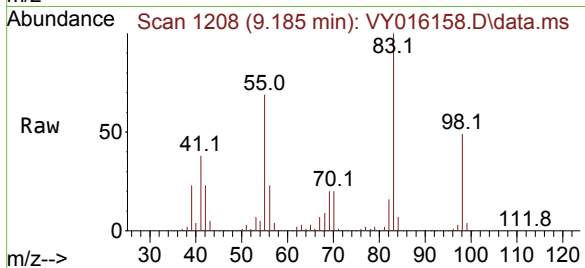
Tgt Ion: 83 Resp: 155553

Ion Ratio Lower Upper

83 100

55 69.3 63.0 94.4

98 49.2 37.4 56.2



#40

Benzene

Concen: 52.227 ug/l

RT: 8.161 min Scan# 1040

Delta R.T. -0.012 min

Lab File: VY016158.D

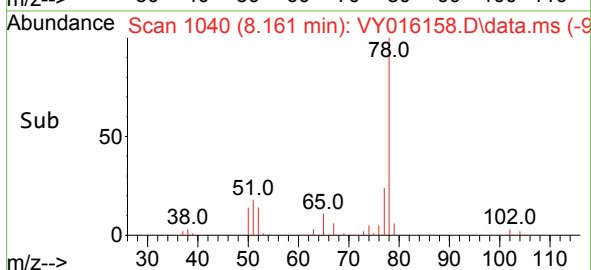
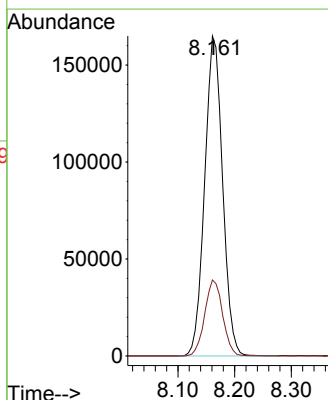
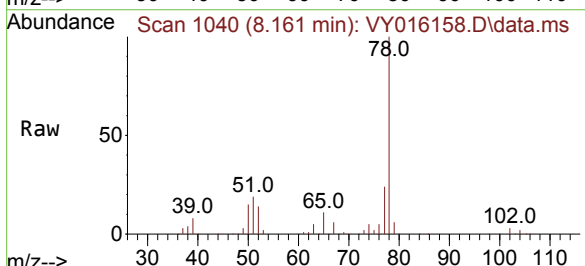
Acq: 01 Nov 2023 09:23

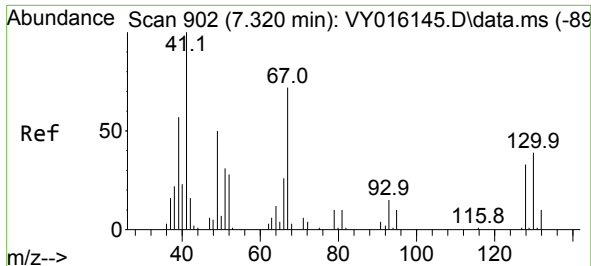
Tgt Ion: 78 Resp: 361947

Ion Ratio Lower Upper

78 100

77 23.7 19.0 28.6

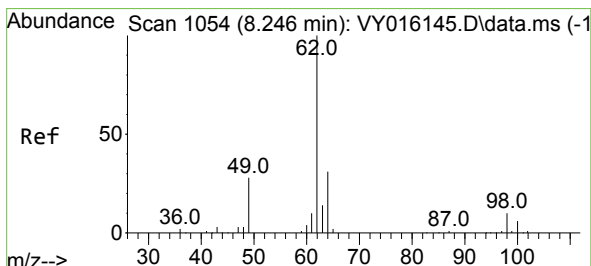
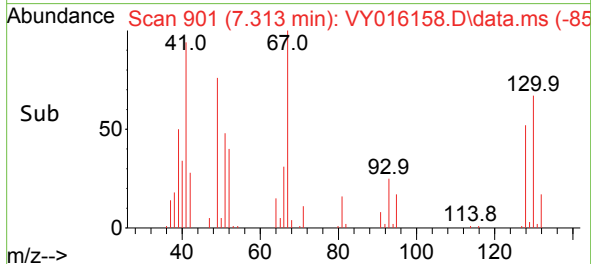
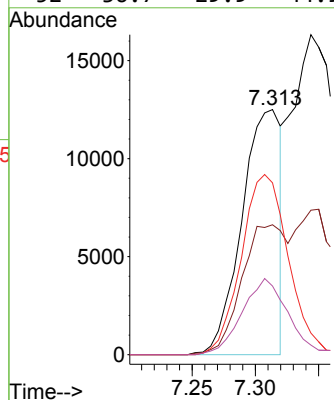
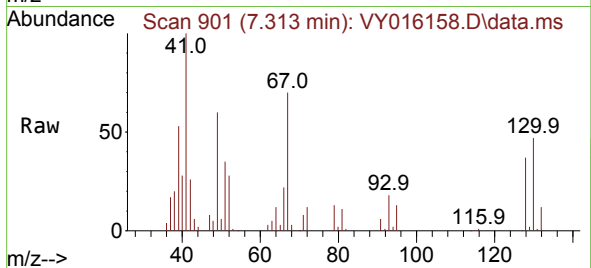




#41  
Methacrylonitrile  
Concen: 43.223 ug/l  
RT: 7.313 min Scan# 901  
Delta R.T. -0.006 min  
Lab File: VY016158.D  
Acq: 01 Nov 2023 09:23

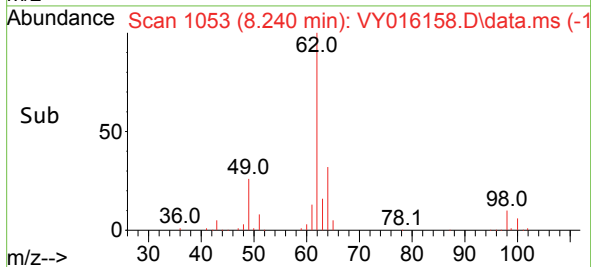
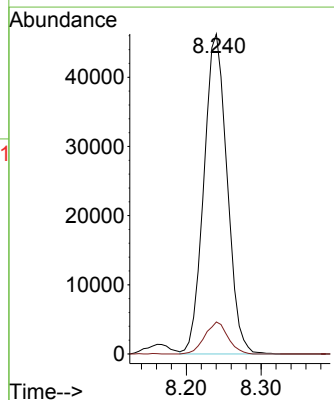
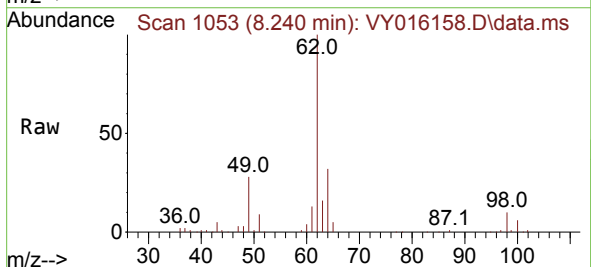
Instrument :  
MSVOA\_Y  
ClientSampleId :

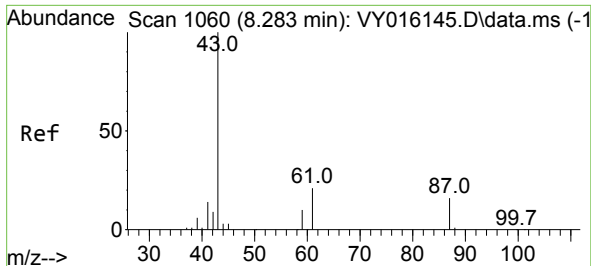
Tgt Ion: 41 Resp: 26975  
Ion Ratio Lower Upper  
41 100  
39 61.1 52.1 78.1  
67 88.6 66.2 99.2  
52 36.7 29.9 44.9



#42  
1,2-Dichloroethane  
Concen: 51.547 ug/l  
RT: 8.240 min Scan# 1053  
Delta R.T. -0.006 min  
Lab File: VY016158.D  
Acq: 01 Nov 2023 09:23

Tgt Ion: 62 Resp: 99692  
Ion Ratio Lower Upper  
62 100  
98 9.9 0.0 15.8

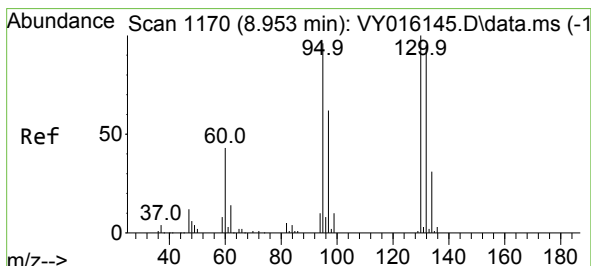
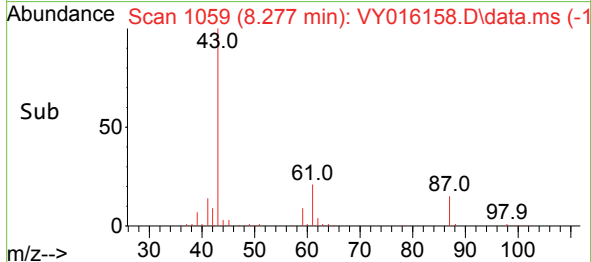
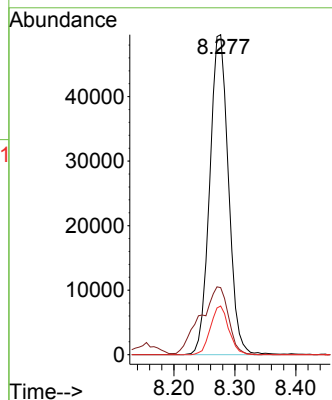
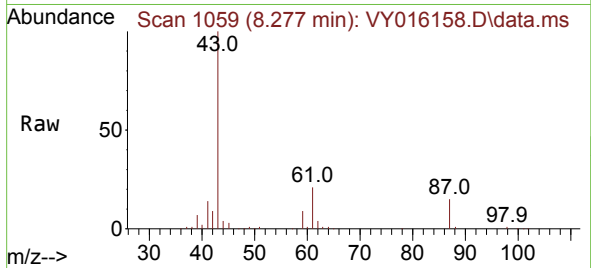




#43  
Isopropyl Acetate  
Concen: 49.737 ug/l  
RT: 8.277 min Scan# 1168  
Delta R.T. -0.006 min  
Lab File: VY016158.D  
Acq: 01 Nov 2023 09:23

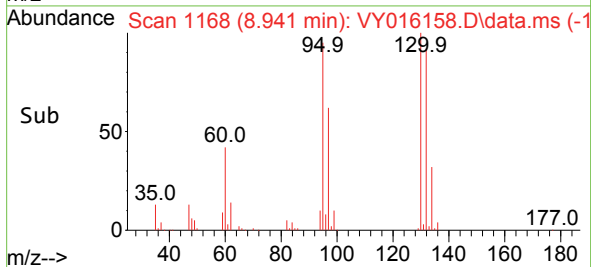
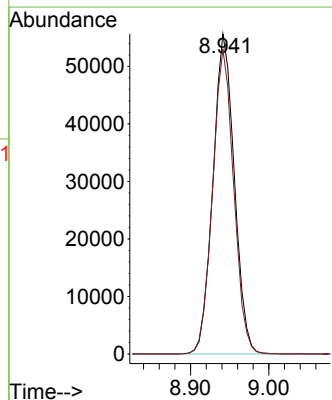
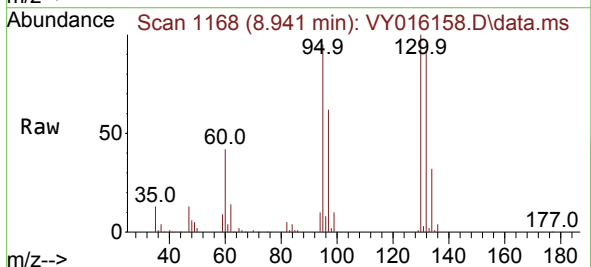
Instrument :  
MSVOA\_Y  
ClientSampleId :

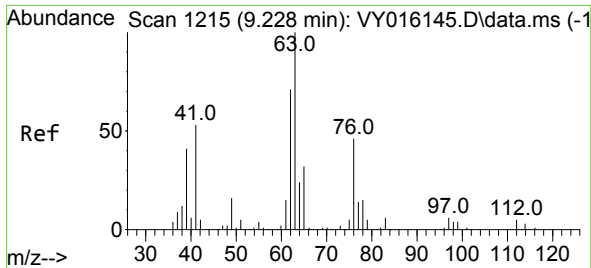
Tgt Ion: 43 Resp: 105779  
Ion Ratio Lower Upper  
43 100  
61 31.7 21.1 31.7  
87 14.9 9.8 14.8#



#44  
Trichloroethene  
Concen: 51.907 ug/l  
RT: 8.941 min Scan# 1168  
Delta R.T. -0.012 min  
Lab File: VY016158.D  
Acq: 01 Nov 2023 09:23

Tgt Ion:130 Resp: 105271  
Ion Ratio Lower Upper  
130 100  
95 95.2 0.0 196.0

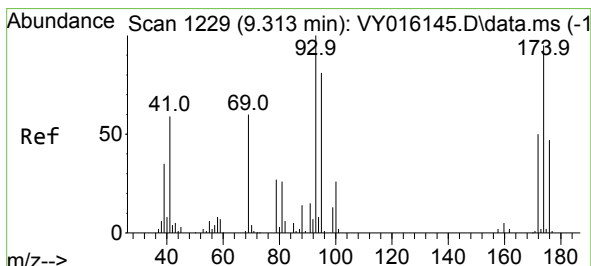
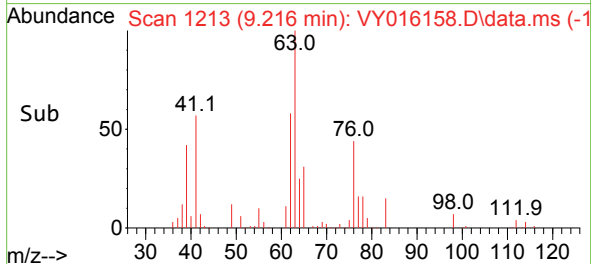
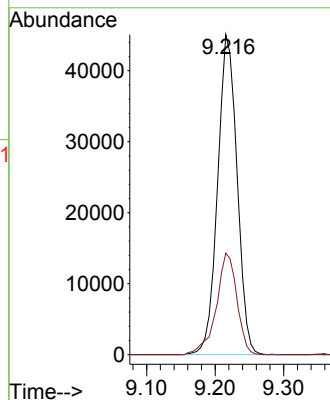
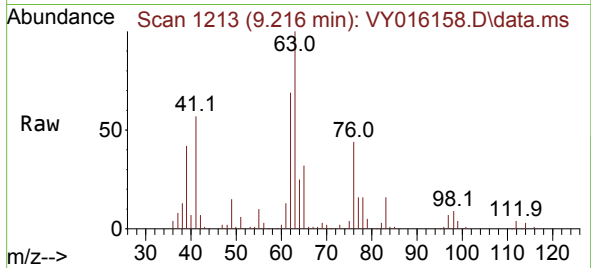




#45  
1,2-Dichloropropane  
Concen: 53.230 ug/l  
RT: 9.216 min Scan# 1213  
Delta R.T. -0.012 min  
Lab File: VY016158.D  
Acq: 01 Nov 2023 09:23

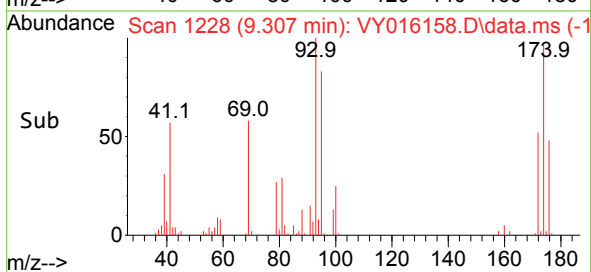
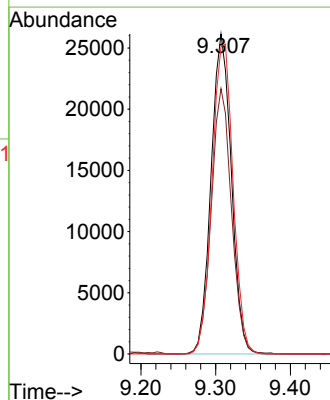
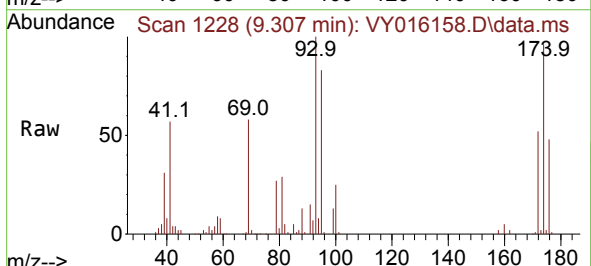
Instrument :  
MSVOA\_Y  
ClientSampleId :

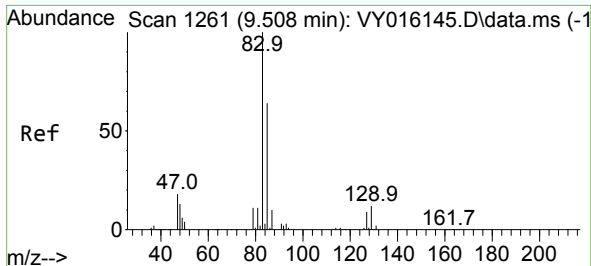
Tgt Ion: 63 Resp: 88744  
Ion Ratio Lower Upper  
63 100  
65 31.7 23.8 35.6



#46  
Dibromomethane  
Concen: 52.145 ug/l  
RT: 9.307 min Scan# 1228  
Delta R.T. -0.006 min  
Lab File: VY016158.D  
Acq: 01 Nov 2023 09:23

Tgt Ion: 93 Resp: 49316  
Ion Ratio Lower Upper  
93 100  
95 82.6 66.6 100.0  
174 100.2 84.8 127.2

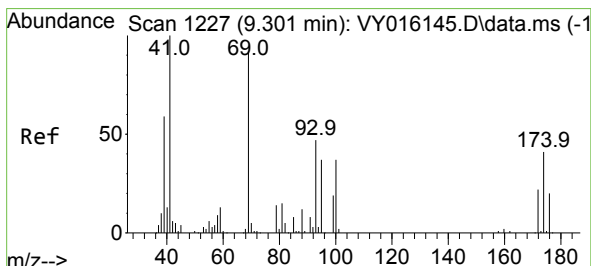
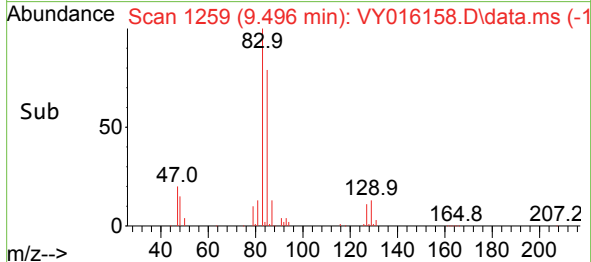
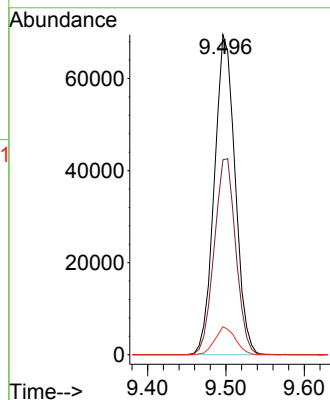
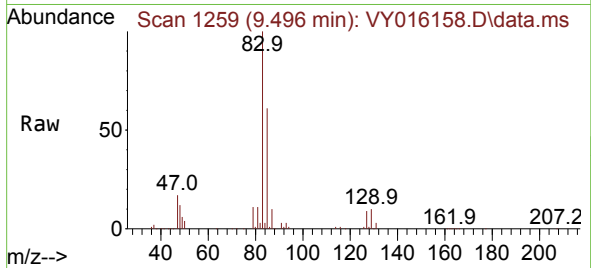




#47  
Bromodichloromethane  
Concen: 53.319 ug/l  
RT: 9.496 min Scan# 1259  
Delta R.T. -0.012 min  
Lab File: VY016158.D  
Acq: 01 Nov 2023 09:23

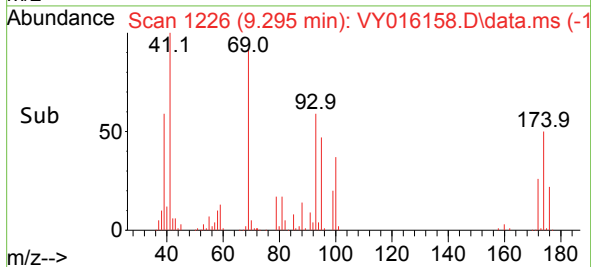
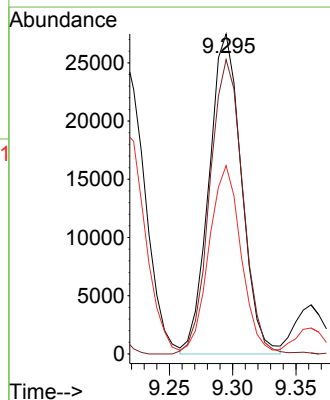
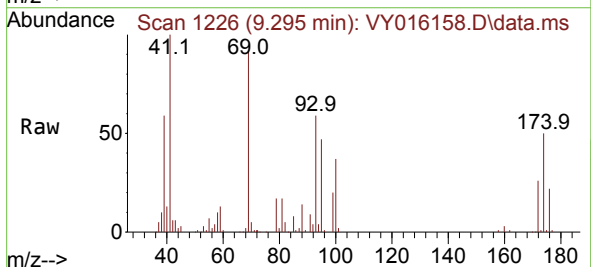
Instrument :  
MSVOA\_Y  
ClientSampleId :

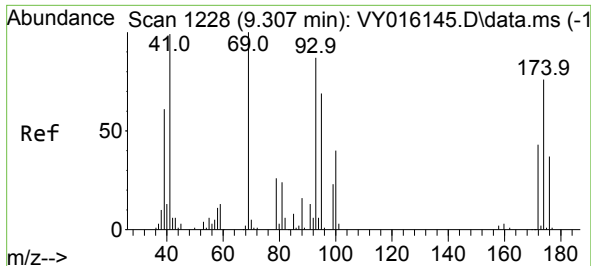
Tgt Ion: 83 Resp: 128121  
Ion Ratio Lower Upper  
83 100  
85 60.9 50.1 75.1  
127 8.8 7.1 10.7



#48  
Methyl methacrylate  
Concen: 50.942 ug/l  
RT: 9.295 min Scan# 1226  
Delta R.T. -0.006 min  
Lab File: VY016158.D  
Acq: 01 Nov 2023 09:23

Tgt Ion: 41 Resp: 49266  
Ion Ratio Lower Upper  
41 100  
69 92.9 64.5 96.7  
39 55.7 50.8 76.2





#49

1,4-Dioxane

Concen: 841.723 ug/l

RT: 9.301 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY016158.D

Acq: 01 Nov 2023 09:23

Instrument :

MSVOA\_Y

ClientSampleId :

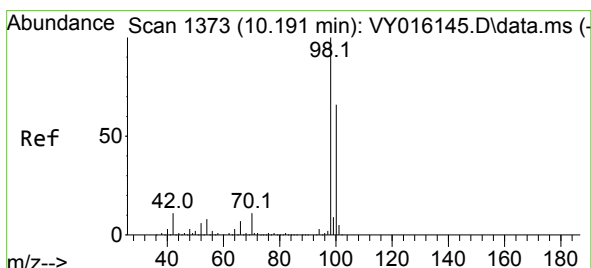
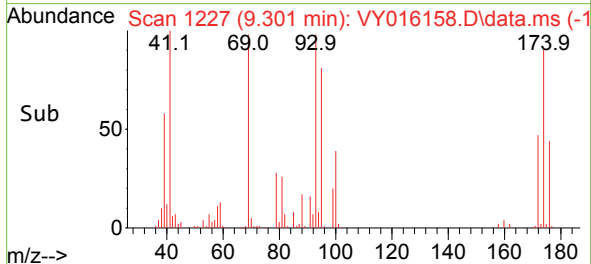
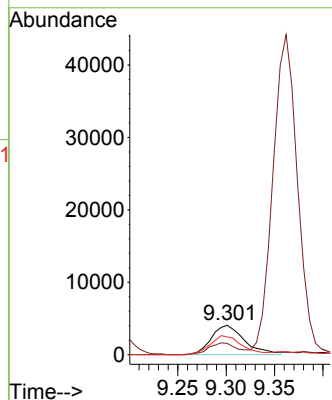
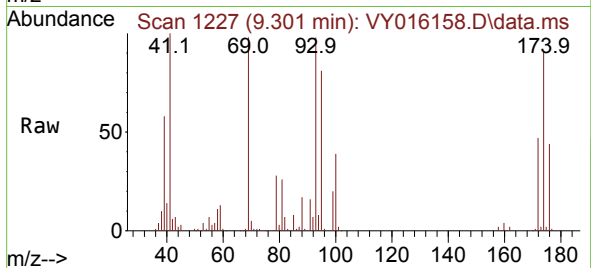
Tgt Ion: 88 Resp: 9677

Ion Ratio Lower Upper

88 100

43 33.9 0.0 0.0#

58 61.9 30.9 46.3#



#50

Toluene-d8

Concen: 53.619 ug/l

RT: 10.185 min Scan# 1372

Delta R.T. -0.006 min

Lab File: VY016158.D

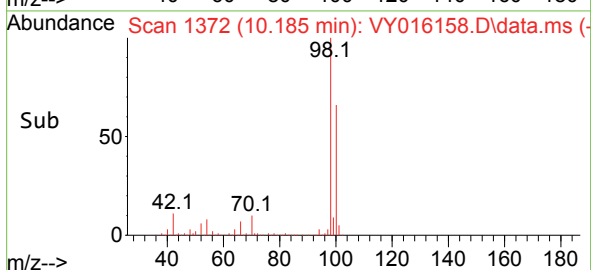
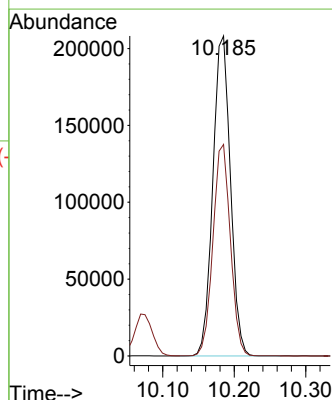
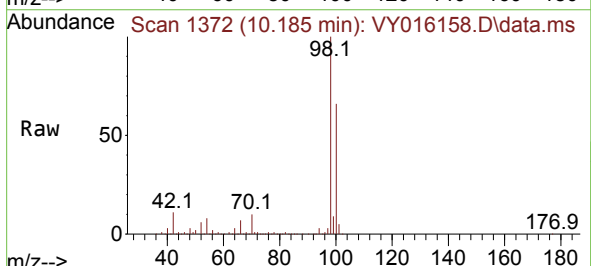
Acq: 01 Nov 2023 09:23

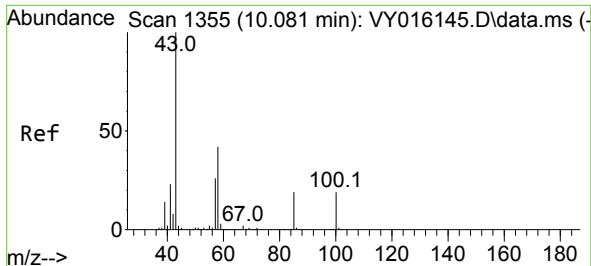
Tgt Ion: 98 Resp: 355395

Ion Ratio Lower Upper

98 100

100 65.6 50.1 75.1

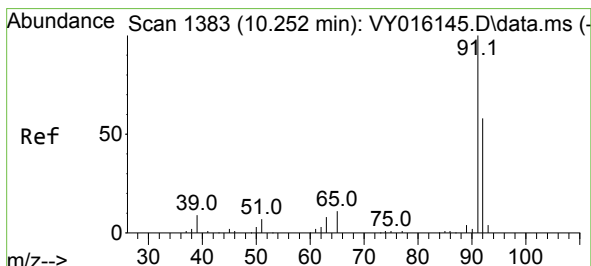
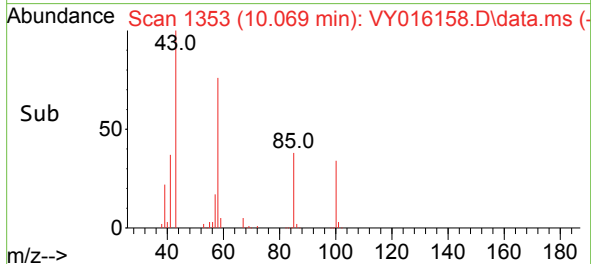
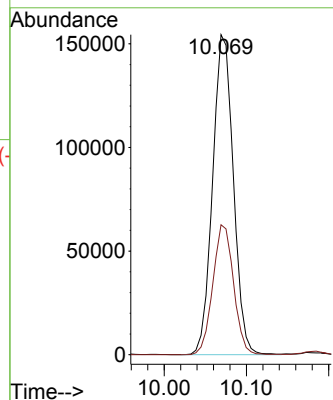
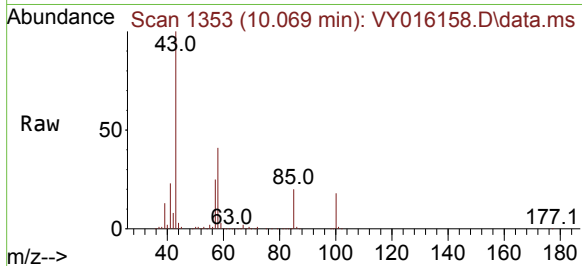




#51  
4-Methyl-2-Pentanone  
Concen: 254.917 ug/l  
RT: 10.069 min Scan# 1353  
Delta R.T. -0.012 min  
Lab File: VY016158.D  
Acq: 01 Nov 2023 09:23

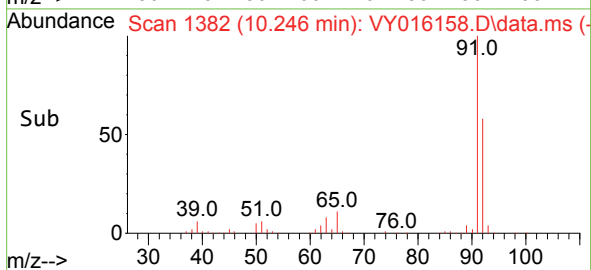
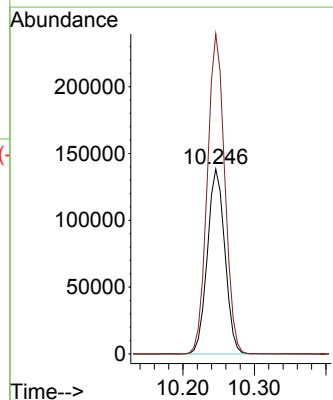
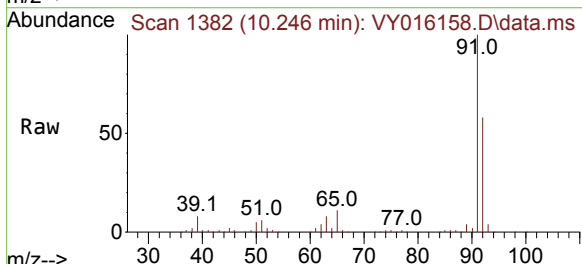
Instrument :  
MSVOA\_Y  
ClientSampleId :

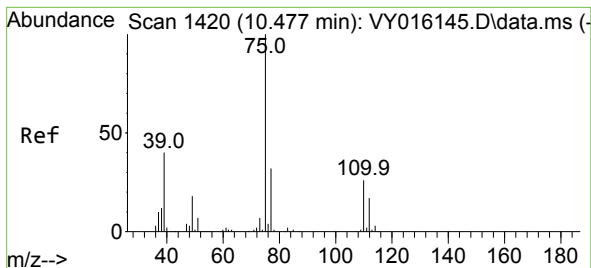
Tgt Ion: 43 Resp: 270516  
Ion Ratio Lower Upper  
43 100  
58 40.6 29.0 43.6



#52  
Toluene  
Concen: 52.349 ug/l  
RT: 10.246 min Scan# 1382  
Delta R.T. -0.006 min  
Lab File: VY016158.D  
Acq: 01 Nov 2023 09:23

Tgt Ion: 92 Resp: 235089  
Ion Ratio Lower Upper  
92 100  
91 172.4 143.8 215.6

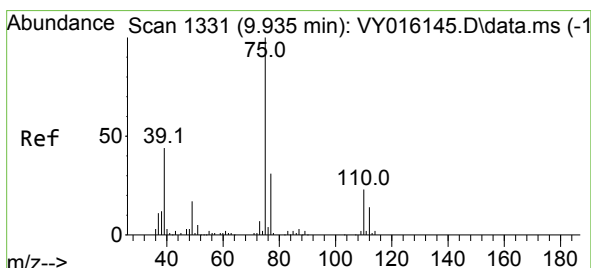
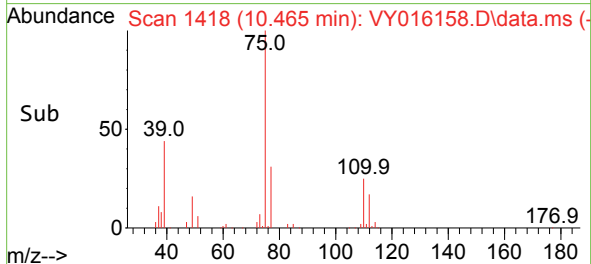
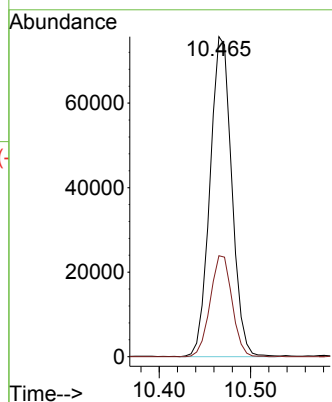
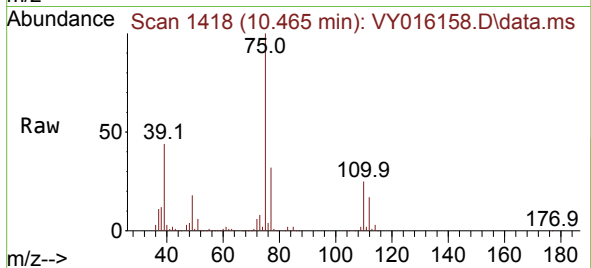




#53  
 t-1,3-Dichloropropene  
 Concen: 52.167 ug/l  
 RT: 10.465 min Scan# 1418  
 Delta R.T. -0.012 min  
 Lab File: VY016158.D  
 Acq: 01 Nov 2023 09:23

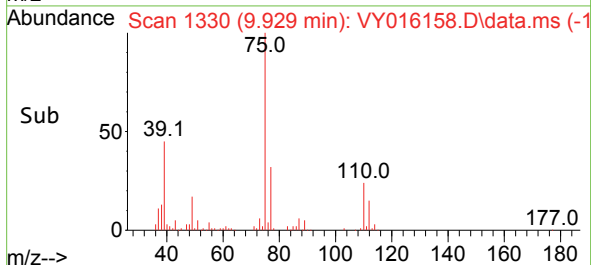
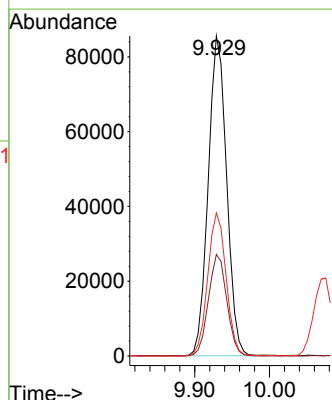
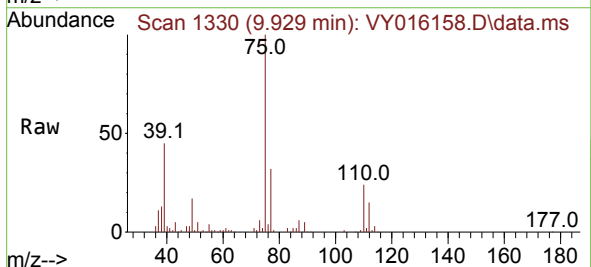
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

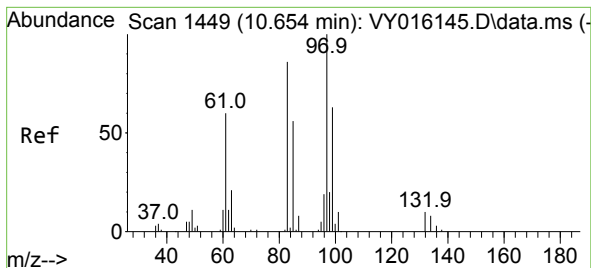
Tgt Ion: 75 Resp: 125137  
 Ion Ratio Lower Upper  
 75 100  
 77 31.5 25.0 37.4



#54  
 cis-1,3-Dichloropropene  
 Concen: 52.040 ug/l  
 RT: 9.929 min Scan# 1330  
 Delta R.T. -0.006 min  
 Lab File: VY016158.D  
 Acq: 01 Nov 2023 09:23

Tgt Ion: 75 Resp: 146477  
 Ion Ratio Lower Upper  
 75 100  
 77 31.7 24.2 36.4  
 39 44.8 42.2 63.4





#55

1,1,2-Trichloroethane

Concen: 50.425 ug/l

RT: 10.648 min Scan# 1448

Delta R.T. -0.006 min

Lab File: VY016158.D

Acq: 01 Nov 2023 09:23

Instrument :

MSVOA\_Y

ClientSampleId :

Tgt Ion: 97 Resp: 67082

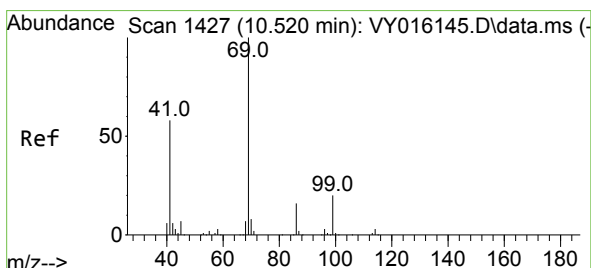
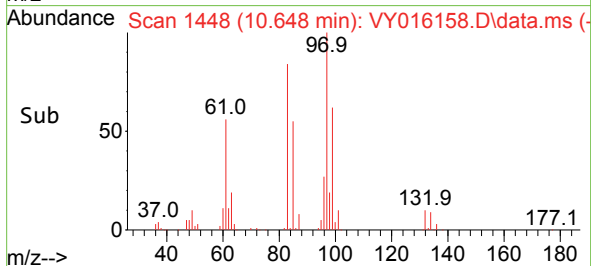
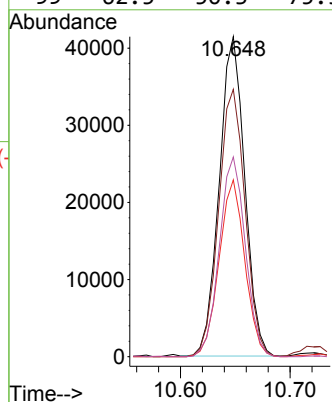
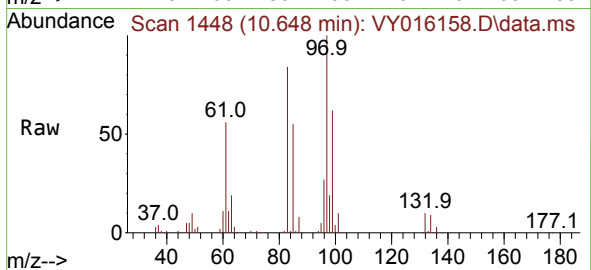
Ion Ratio Lower Upper

97 100

83 83.7 72.0 108.0

85 55.4 45.4 68.0

99 62.5 50.3 75.5



#56

Ethyl methacrylate

Concen: 51.080 ug/l

RT: 10.514 min Scan# 1426

Delta R.T. -0.006 min

Lab File: VY016158.D

Acq: 01 Nov 2023 09:23

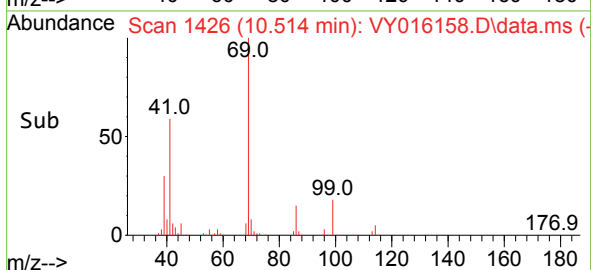
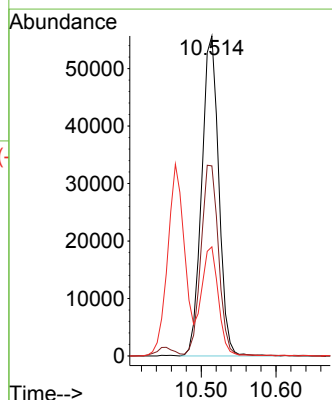
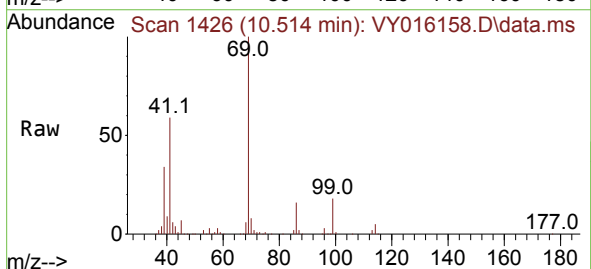
Tgt Ion: 69 Resp: 88250

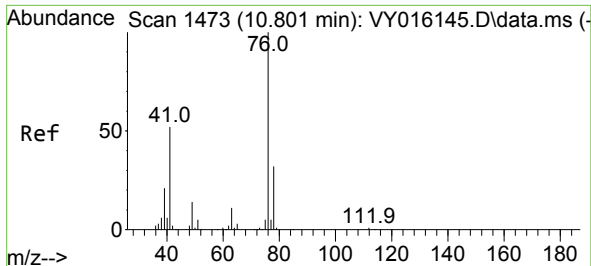
Ion Ratio Lower Upper

69 100

41 61.1 57.6 86.4

39 33.4 34.1 51.1#





#57

1,3-Dichloropropane

Concen: 50.753 ug/l

RT: 10.795 min Scan# 1473

Delta R.T. -0.006 min

Lab File: VY016158.D

Acq: 01 Nov 2023 09:23

Instrument :

MSVOA\_Y

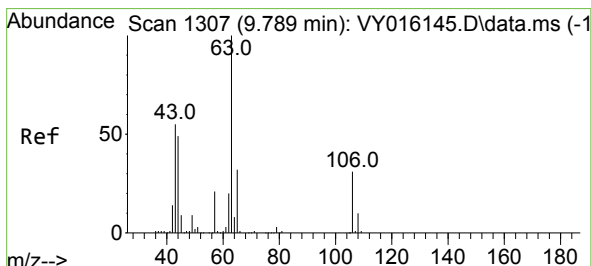
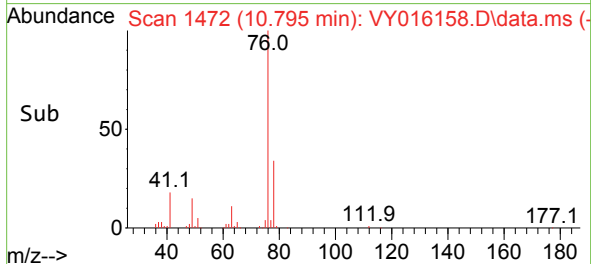
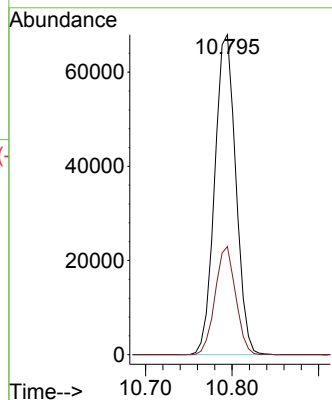
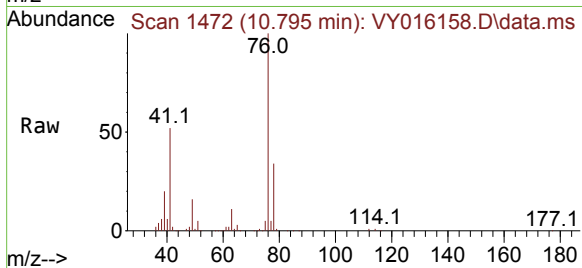
ClientSampleId :

Tgt Ion: 76 Resp: 114942

Ion Ratio Lower Upper

76 100

78 32.9 25.3 37.9



#58

2-Chloroethyl Vinyl ether

Concen: 254.467 ug/l

RT: 9.783 min Scan# 1306

Delta R.T. -0.006 min

Lab File: VY016158.D

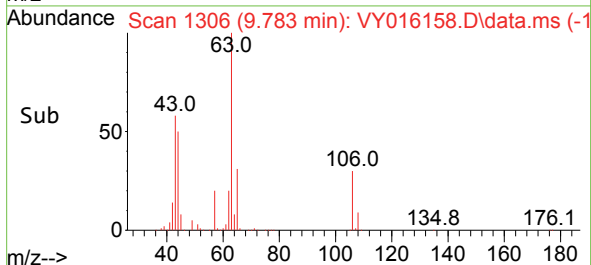
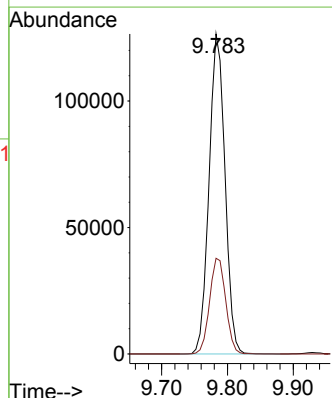
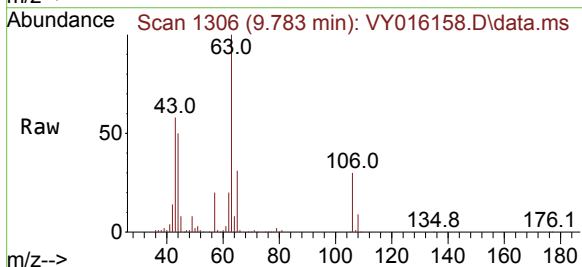
Acq: 01 Nov 2023 09:23

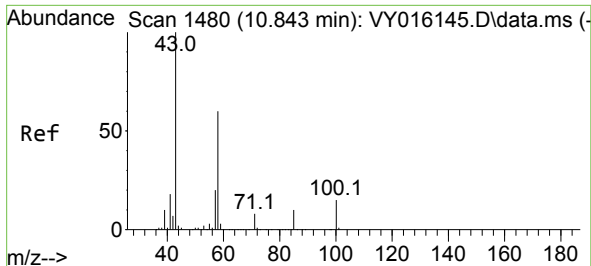
Tgt Ion: 63 Resp: 213184

Ion Ratio Lower Upper

63 100

106 30.3 21.2 31.8

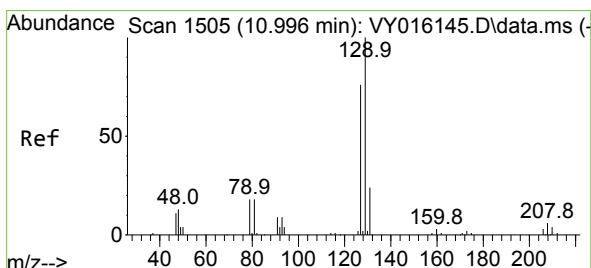
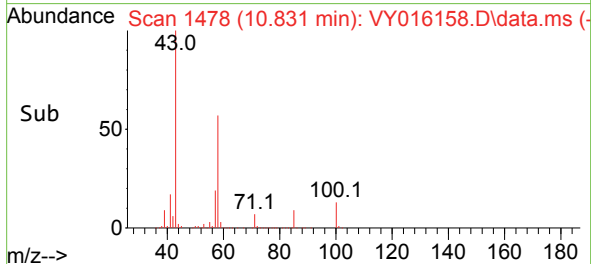
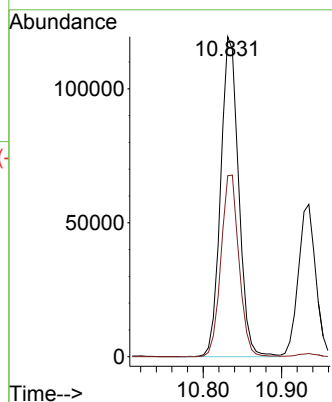
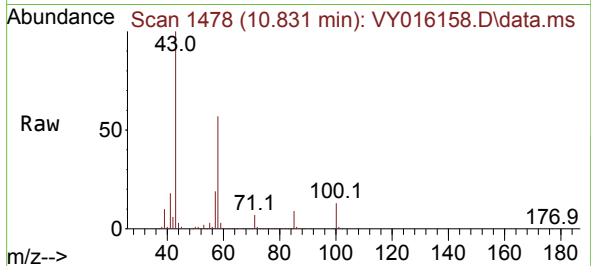




#59  
2-Hexanone  
Concen: 262.285 ug/l  
RT: 10.831 min Scan# 1480  
Delta R.T. -0.012 min  
Lab File: VY016158.D  
Acq: 01 Nov 2023 09:23

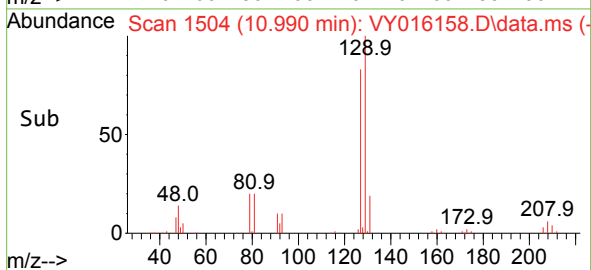
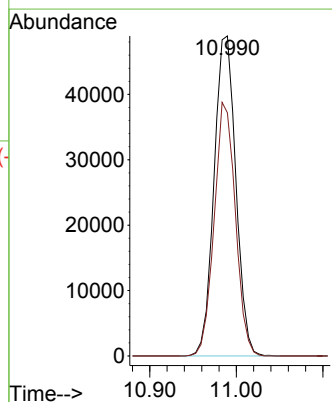
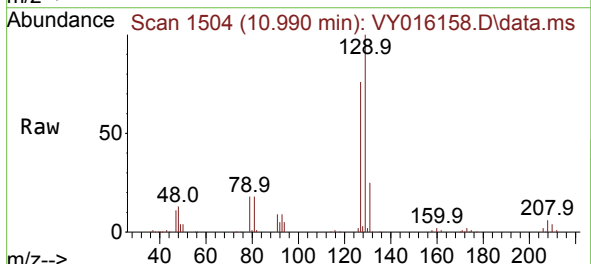
Instrument :  
MSVOA\_Y  
ClientSampleId :

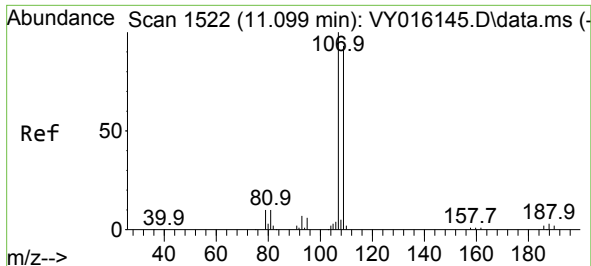
Tgt Ion: 43 Resp: 190732  
Ion Ratio Lower Upper  
43 100  
58 56.8 25.1 75.3



#60  
Dibromochloromethane  
Concen: 51.164 ug/l  
RT: 10.990 min Scan# 1504  
Delta R.T. -0.006 min  
Lab File: VY016158.D  
Acq: 01 Nov 2023 09:23

Tgt Ion: 129 Resp: 85391  
Ion Ratio Lower Upper  
129 100  
127 77.2 38.5 115.5

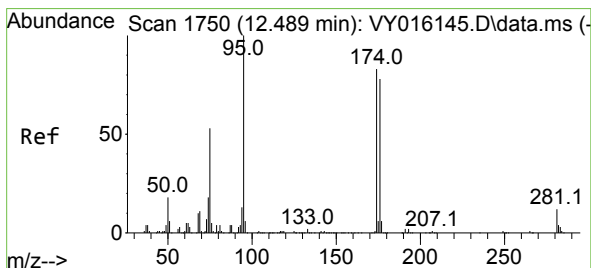
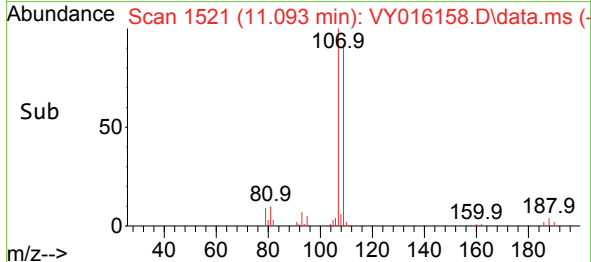
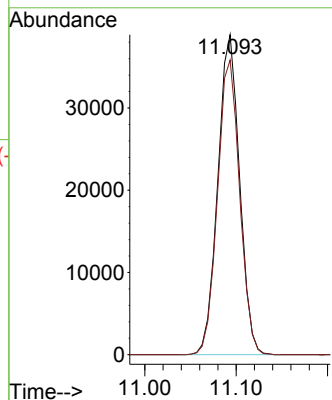
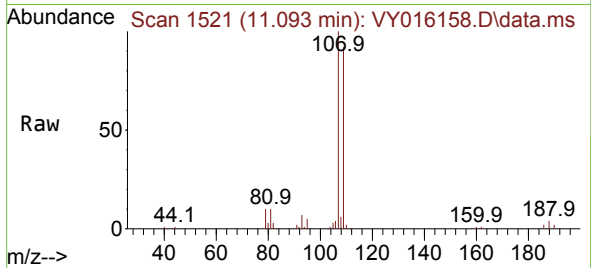




#61  
1,2-Dibromoethane  
Concen: 50.830 ug/l  
RT: 11.093 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY016158.D  
Acq: 01 Nov 2023 09:23

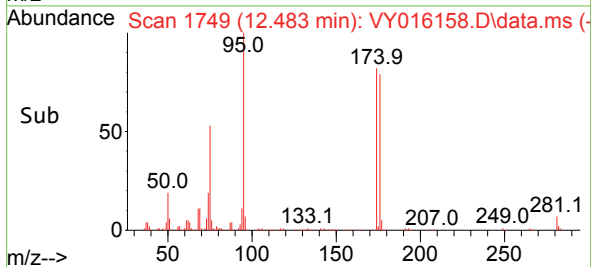
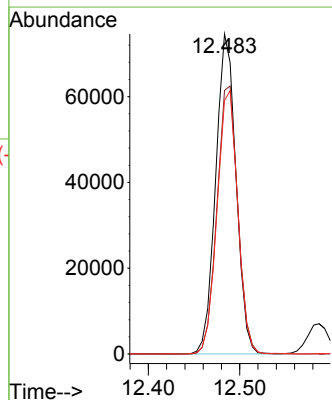
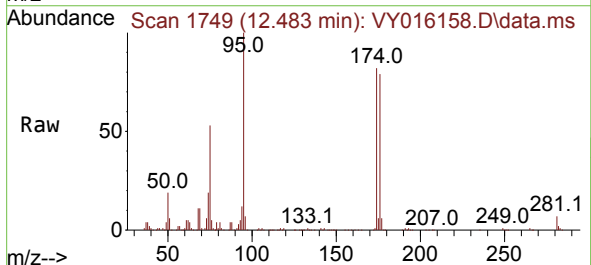
Instrument :  
MSVOA\_Y  
ClientSampleId :

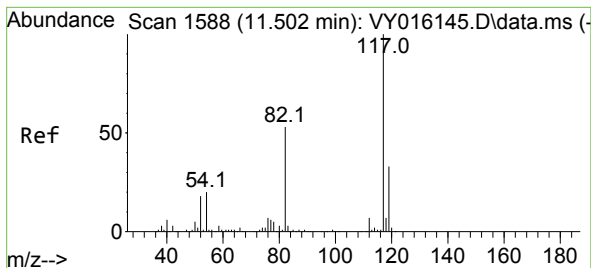
Tgt Ion:107 Resp: 64319  
Ion Ratio Lower Upper  
107 100  
109 93.6 75.6 113.4



#62  
4-Bromofluorobenzene  
Concen: 50.820 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.006 min  
Lab File: VY016158.D  
Acq: 01 Nov 2023 09:23

Tgt Ion: 95 Resp: 115182  
Ion Ratio Lower Upper  
95 100  
174 85.8 0.0 178.2  
176 83.8 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY016158.D

Acq: 01 Nov 2023 09:23

Instrument :

MSVOA\_Y

ClientSampleId :

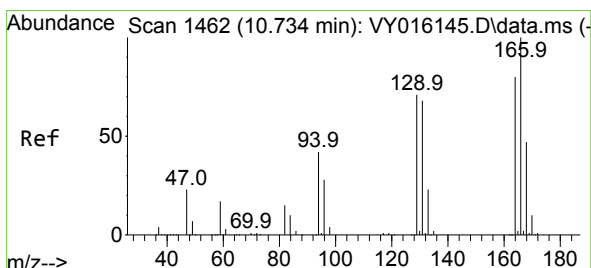
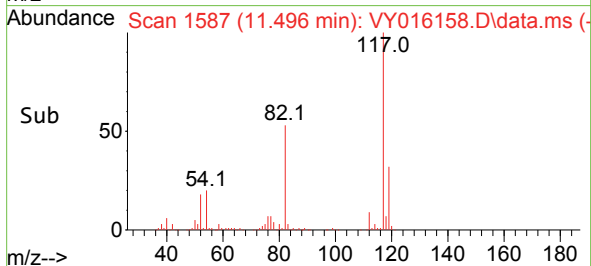
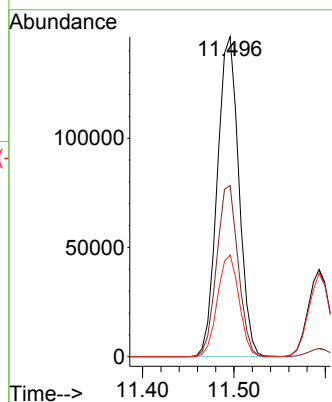
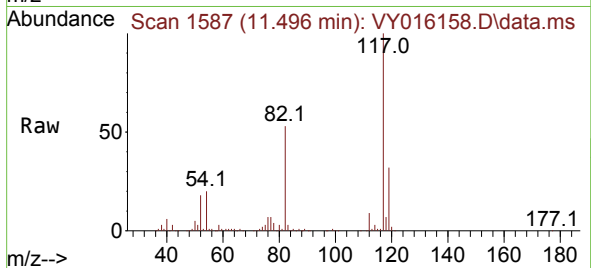
Tgt Ion:117 Resp: 240136

Ion Ratio Lower Upper

117 100

82 53.5 43.4 65.0

119 31.8 26.3 39.5



#64

Tetrachloroethene

Concen: 48.448 ug/l

RT: 10.721 min Scan# 1460

Delta R.T. -0.012 min

Lab File: VY016158.D

Acq: 01 Nov 2023 09:23

Tgt Ion:164 Resp: 103484

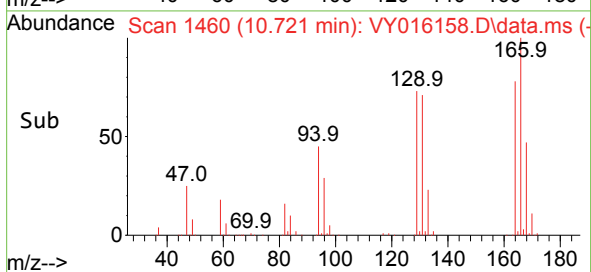
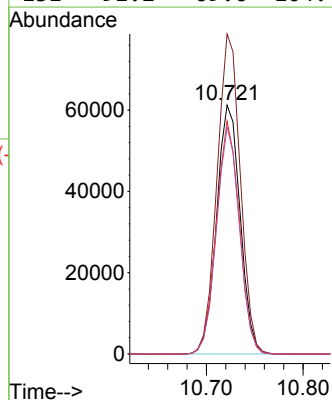
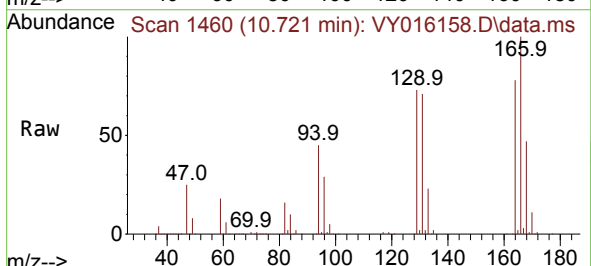
Ion Ratio Lower Upper

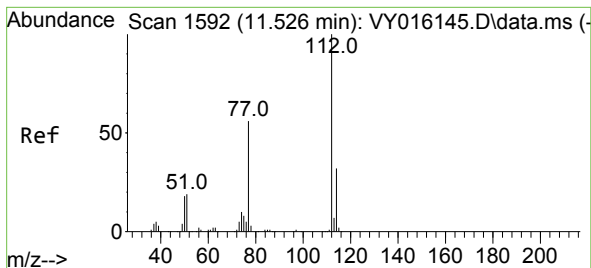
164 100

166 128.6 103.0 154.6

129 93.5 77.2 115.8

131 91.2 69.6 104.4





#65

Chlorobenzene

Concen: 52.397 ug/l

RT: 11.520 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY016158.D

Acq: 01 Nov 2023 09:23

Instrument :

MSVOA\_Y

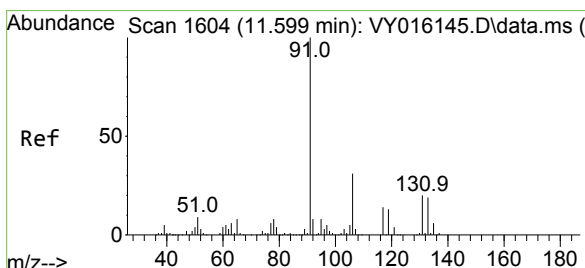
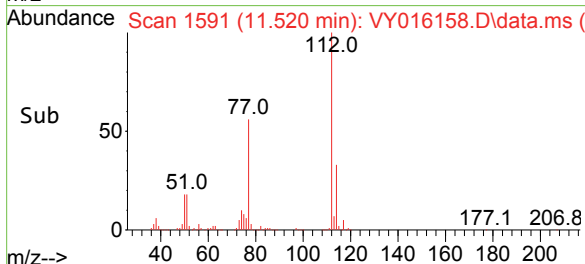
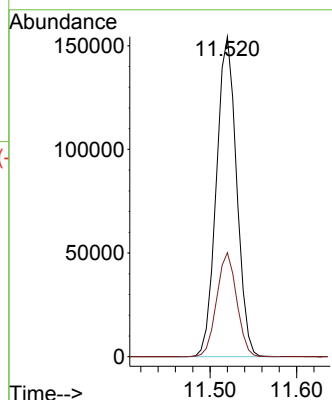
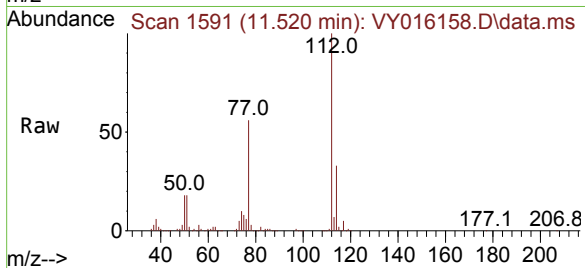
ClientSampleId :

Tgt Ion:112 Resp: 249982

Ion Ratio Lower Upper

112 100

114 32.5 25.5 38.3



#66

1,1,1,2-Tetrachloroethane

Concen: 53.335 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. -0.006 min

Lab File: VY016158.D

Acq: 01 Nov 2023 09:23

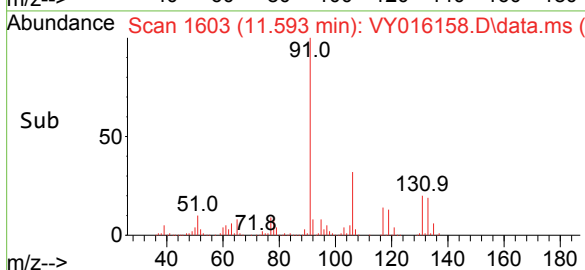
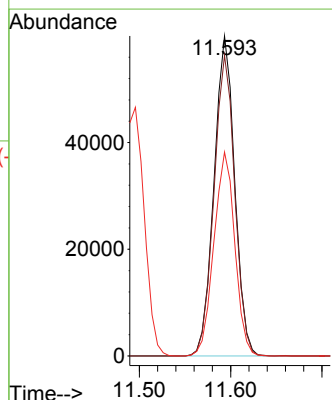
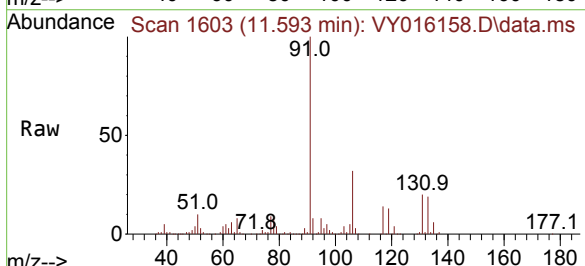
Tgt Ion:131 Resp: 94249

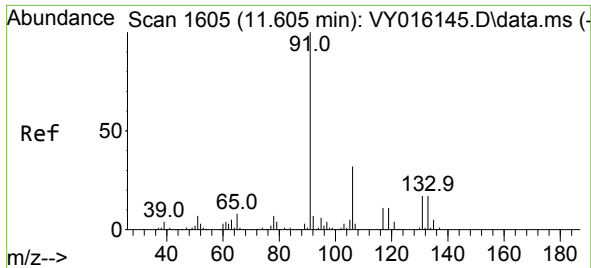
Ion Ratio Lower Upper

131 100

133 94.6 47.5 142.6

119 64.4 31.6 94.7





#67

Ethyl Benzene

Concen: 53.167 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. -0.012 min

Lab File: VY016158.D

Acq: 01 Nov 2023 09:23

Instrument :

MSVOA\_Y

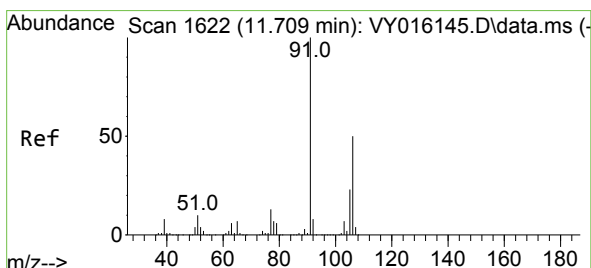
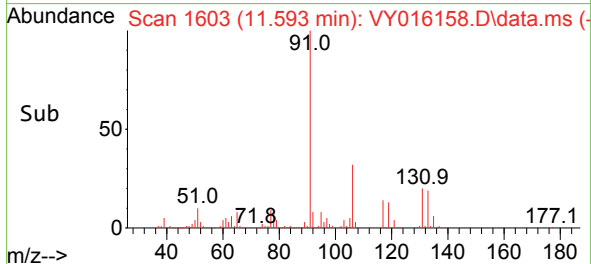
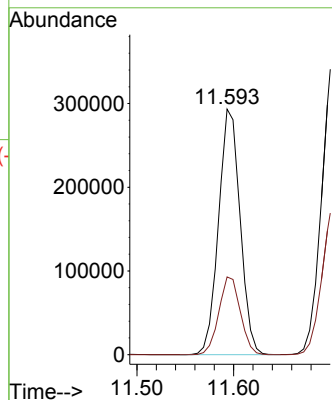
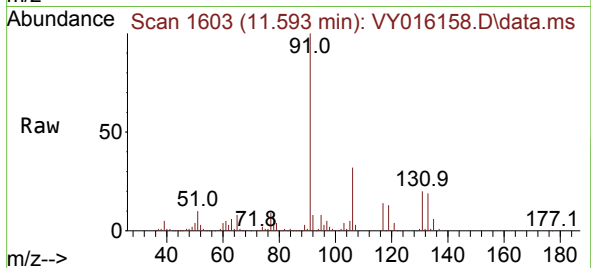
ClientSampleId :

Tgt Ion: 91 Resp: 453694

Ion Ratio Lower Upper

91 100

106 31.7 24.6 36.8



#68

m/p-Xylenes

Concen: 105.227 ug/l

RT: 11.703 min Scan# 1621

Delta R.T. -0.006 min

Lab File: VY016158.D

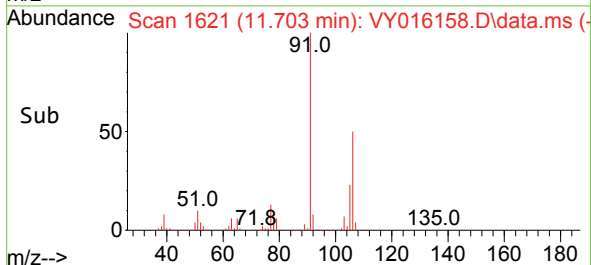
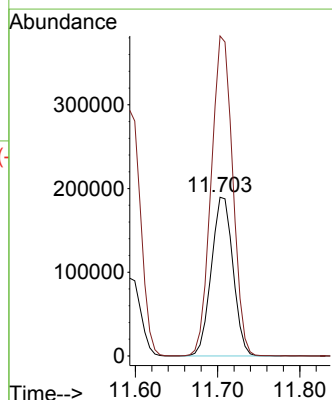
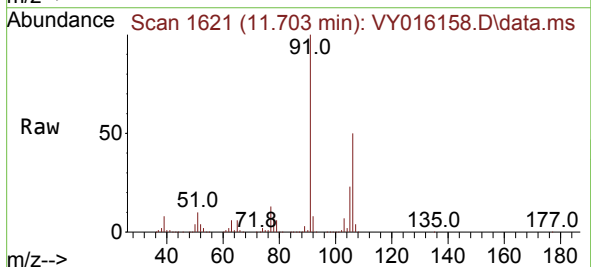
Acq: 01 Nov 2023 09:23

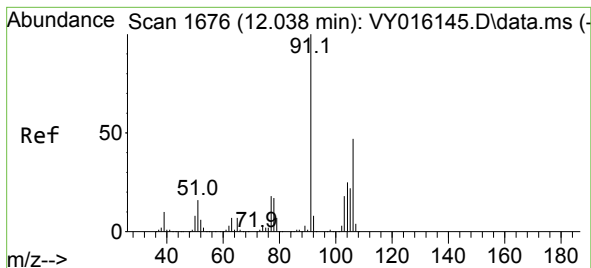
Tgt Ion:106 Resp: 346978

Ion Ratio Lower Upper

106 100

91 200.5 166.1 249.1





#69

o-Xylene

Concen: 52.727 ug/l

RT: 12.032 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY016158.D

Acq: 01 Nov 2023 09:23

Instrument :

MSVOA\_Y

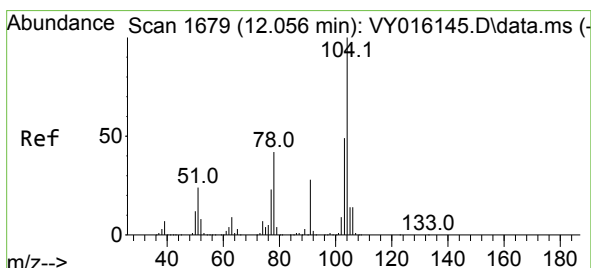
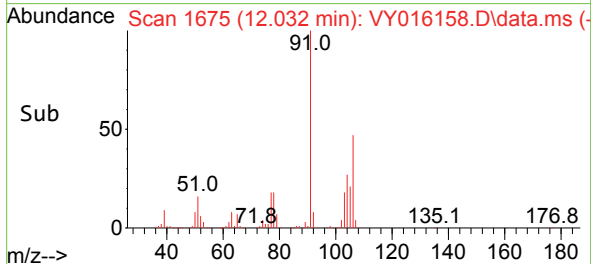
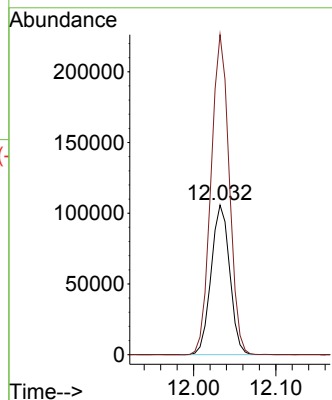
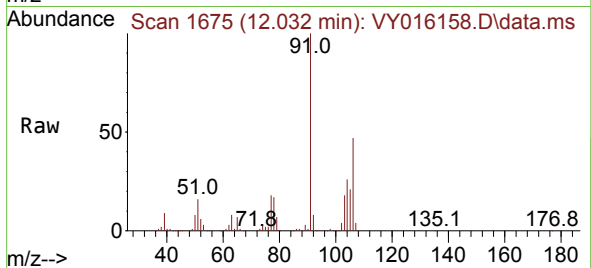
ClientSampleId :

Tgt Ion:106 Resp: 166002

Ion Ratio Lower Upper

106 100

91 210.2 108.1 324.3



#70

Styrene

Concen: 52.692 ug/l

RT: 12.044 min Scan# 1677

Delta R.T. -0.012 min

Lab File: VY016158.D

Acq: 01 Nov 2023 09:23

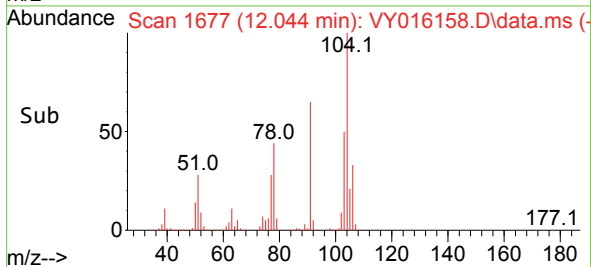
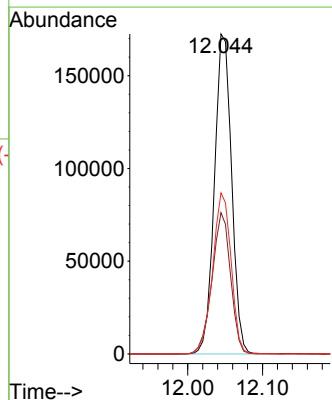
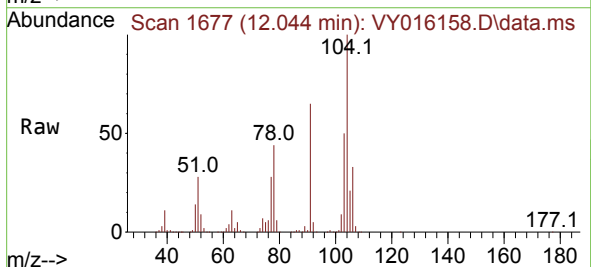
Tgt Ion:104 Resp: 275782

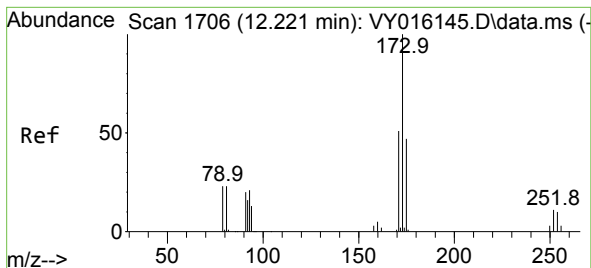
Ion Ratio Lower Upper

104 100

78 47.6 41.5 62.3

103 54.0 44.6 67.0





#71

Bromoform

Concen: 52.162 ug/l

RT: 12.209 min Scan# 1

Delta R.T. -0.012 min

Lab File: VY016158.D

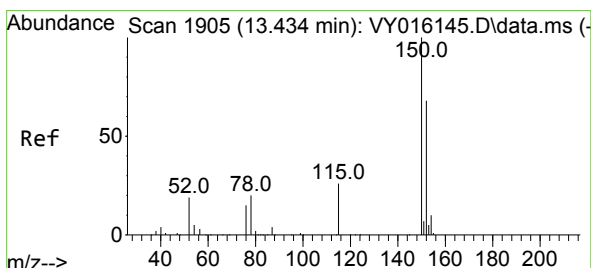
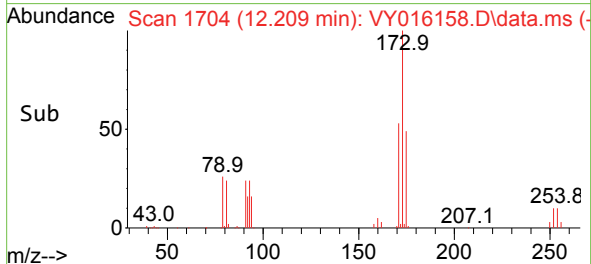
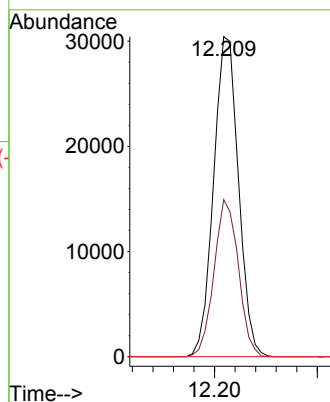
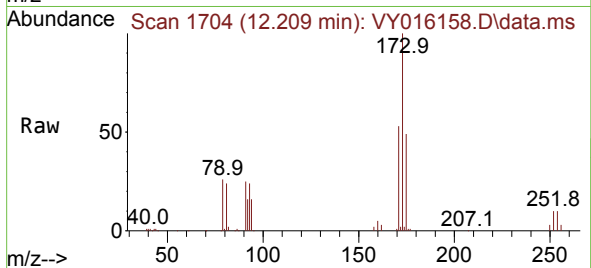
Acq: 01 Nov 2023 09:23

Instrument :

MSVOA\_Y

ClientSampleId :

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:173 | Resp: | 51135     |
| Ion Ratio   | Lower | Upper     |
| 173         | 100   |           |
| 175         | 47.9  | 24.6 73.8 |
| 254         | 0.0   | 0.2 0.2#  |



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

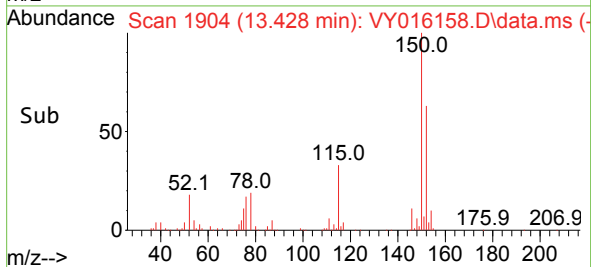
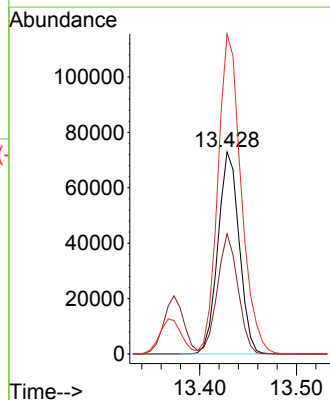
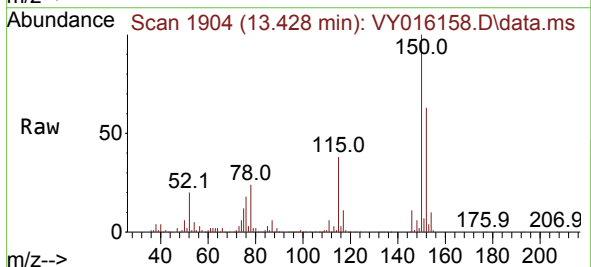
RT: 13.428 min Scan# 1904

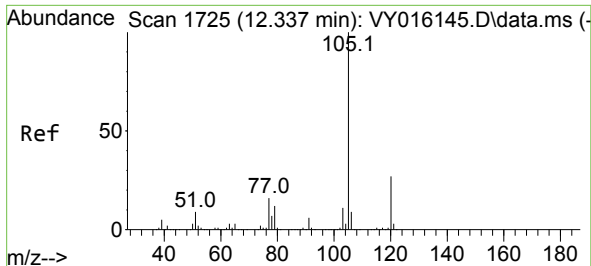
Delta R.T. -0.006 min

Lab File: VY016158.D

Acq: 01 Nov 2023 09:23

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:152 | Resp: | 110986    |
| Ion Ratio   | Lower | Upper     |
| 152         | 100   |           |
| 115         | 57.9  | 28.8 86.5 |
| 150         | 173.7 | 0.0 348.8 |

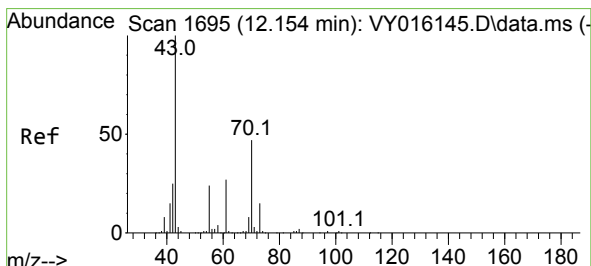
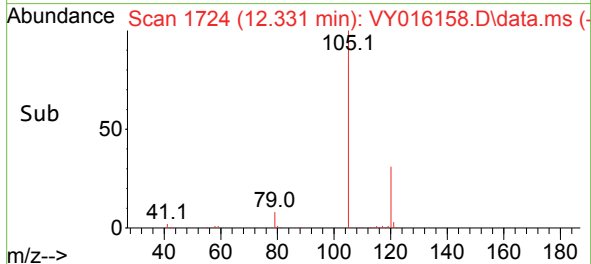
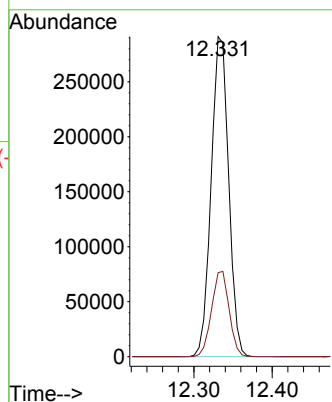
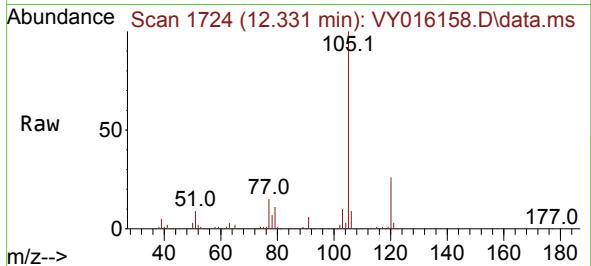




#73  
Isopropylbenzene  
Concen: 54.216 ug/l  
RT: 12.331 min Scan# 1725  
Delta R.T. -0.006 min  
Lab File: VY016158.D  
Acq: 01 Nov 2023 09:23

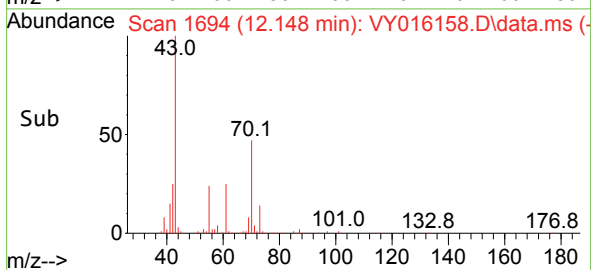
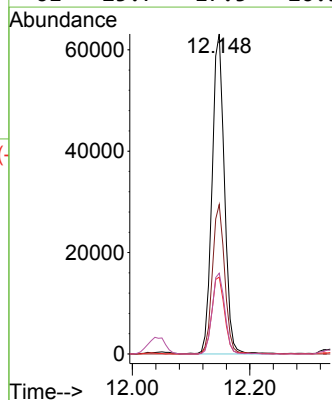
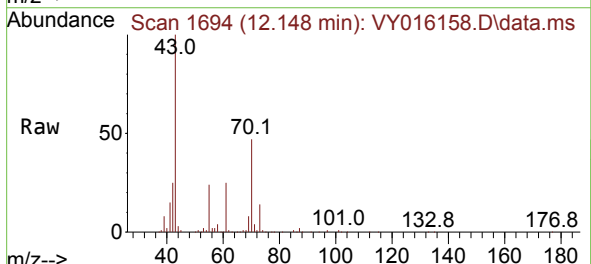
Instrument :  
MSVOA\_Y  
ClientSampleId :

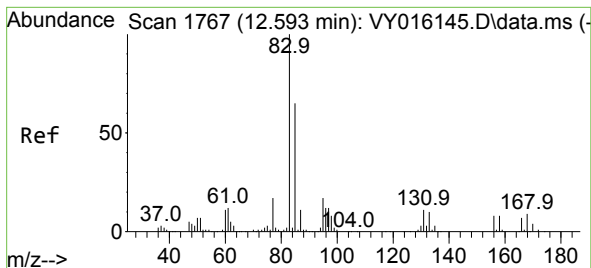
Tgt Ion:105 Resp: 451368  
Ion Ratio Lower Upper  
105 100  
120 26.7 13.3 39.9



#74  
N-ethyl acetate  
Concen: 51.047 ug/l  
RT: 12.148 min Scan# 1694  
Delta R.T. -0.006 min  
Lab File: VY016158.D  
Acq: 01 Nov 2023 09:23

Tgt Ion: 43 Resp: 92352  
Ion Ratio Lower Upper  
43 100  
70 46.6 29.7 44.5#  
55 24.9 18.3 27.5  
61 25.7 17.5 26.3

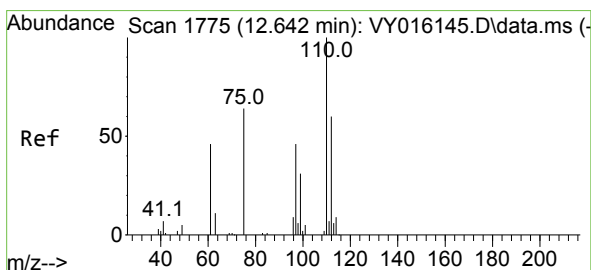
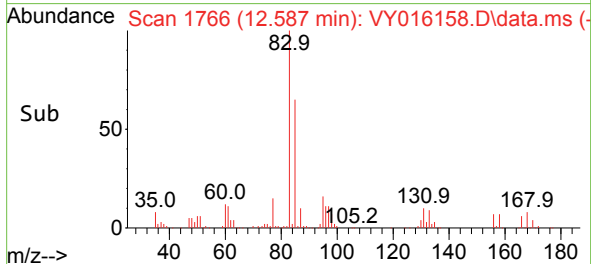
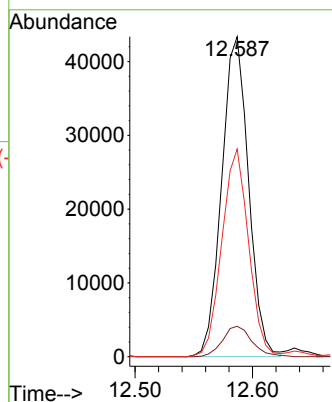
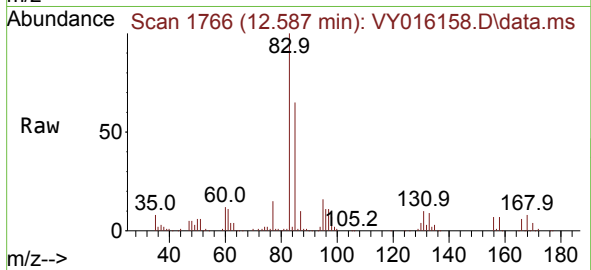




#75  
 1,1,2,2-Tetrachloroethane  
 Concen: 52.092 ug/l  
 RT: 12.587 min Scan# 1766  
 Delta R.T. -0.006 min  
 Lab File: VY016158.D  
 Acq: 01 Nov 2023 09:23

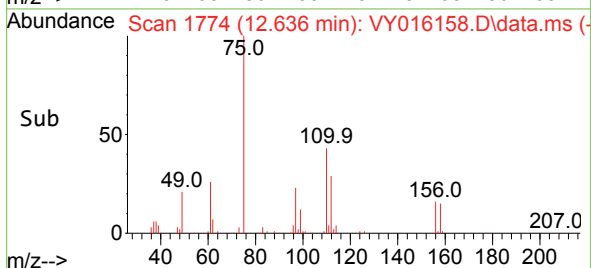
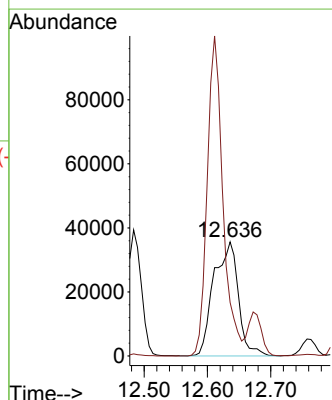
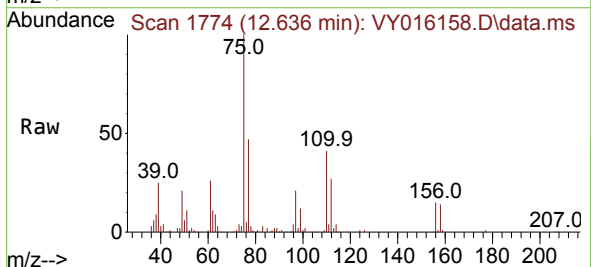
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

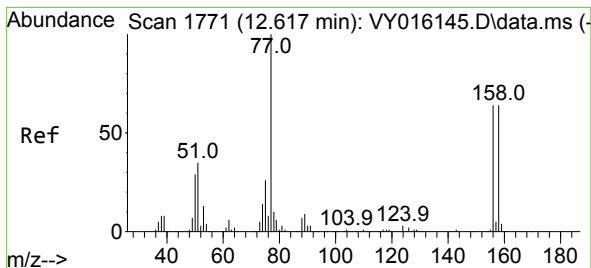
Tgt Ion: 83 Resp: 69010  
 Ion Ratio Lower Upper  
 83 100  
 131 10.4 5.4 16.2  
 85 64.6 31.8 95.4



#76  
 1,2,3-Trichloropropane  
 Concen: 91.872 ug/l  
 RT: 12.636 min Scan# 1774  
 Delta R.T. -0.006 min  
 Lab File: VY016158.D  
 Acq: 01 Nov 2023 09:23

Tgt Ion: 75 Resp: 96022  
 Ion Ratio Lower Upper  
 75 100  
 77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 52.716 ug/l

RT: 12.611 min Scan# 1771

Delta R.T. -0.006 min

Lab File: VY016158.D

Acq: 01 Nov 2023 09:23

Instrument :

MSVOA\_Y

ClientSampleId :

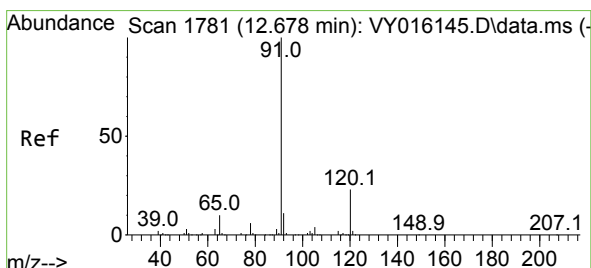
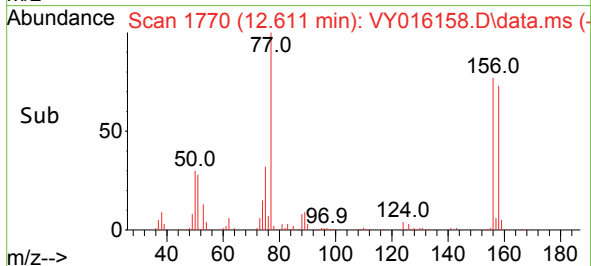
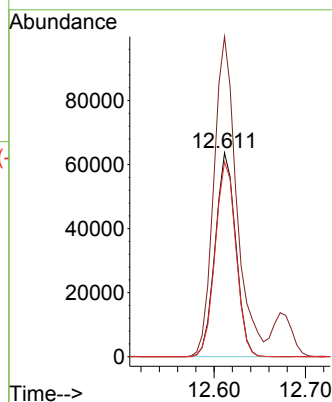
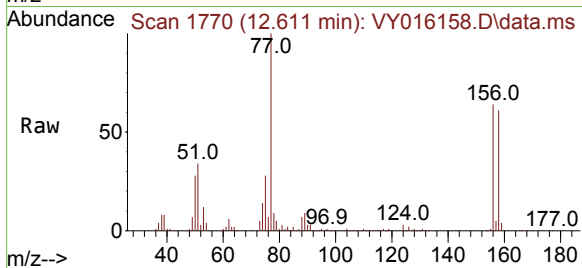
Tgt Ion:156 Resp: 99377

Ion Ratio Lower Upper

156 100

77 174.2 92.8 278.6

158 96.5 48.4 145.3



#78

n-propylbenzene

Concen: 53.800 ug/l

RT: 12.672 min Scan# 1780

Delta R.T. -0.006 min

Lab File: VY016158.D

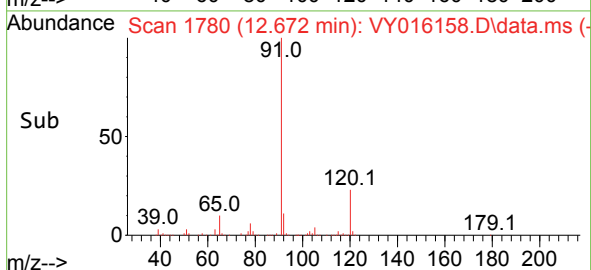
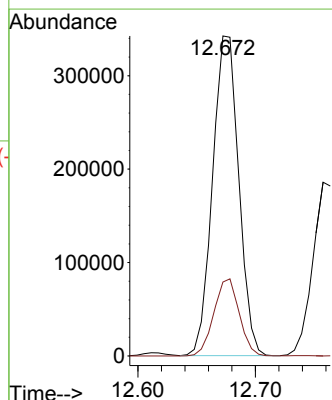
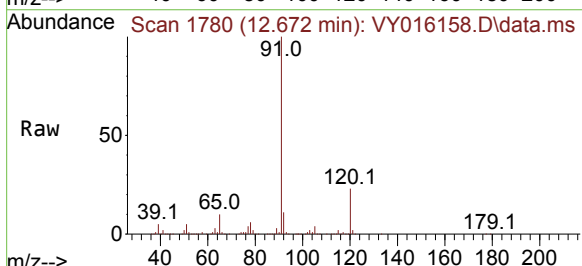
Acq: 01 Nov 2023 09:23

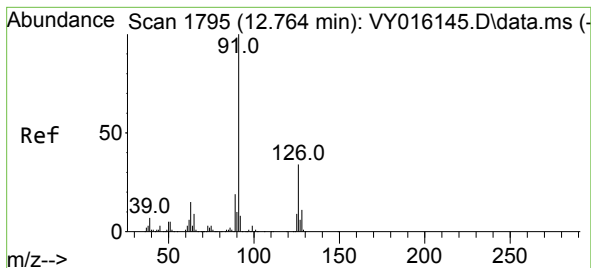
Tgt Ion: 91 Resp: 529542

Ion Ratio Lower Upper

91 100

120 23.4 11.5 34.4





#79

2-Chlorotoluene

Concen: 53.092 ug/l

RT: 12.758 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY016158.D

Acq: 01 Nov 2023 09:23

Instrument :

MSVOA\_Y

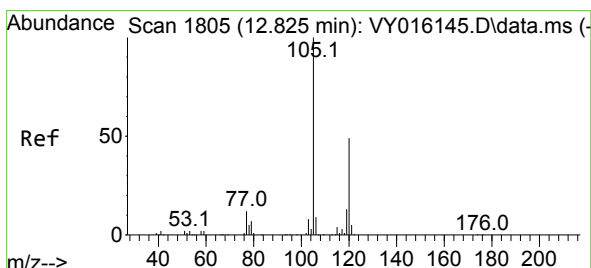
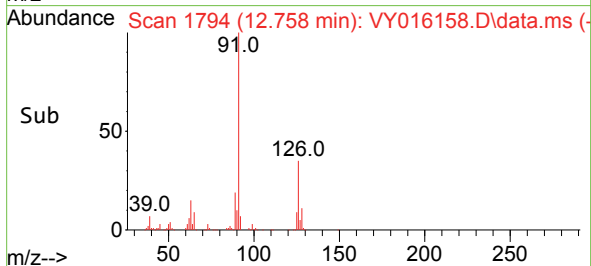
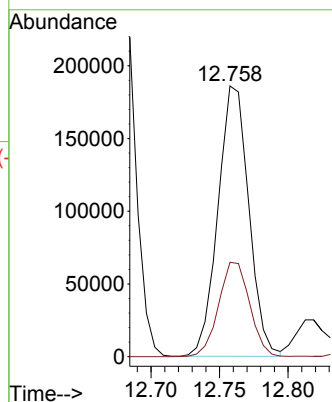
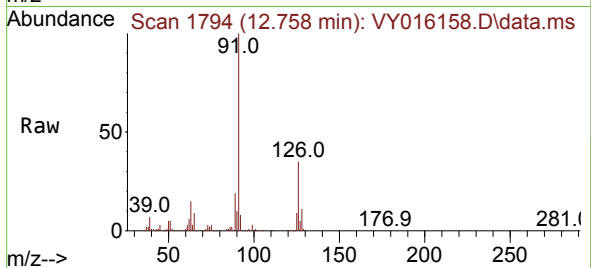
ClientSampleId :

Tgt Ion: 91 Resp: 291462

Ion Ratio Lower Upper

91 100

126 35.3 17.3 51.7



#80

1,3,5-Trimethylbenzene

Concen: 53.438 ug/l

RT: 12.819 min Scan# 1804

Delta R.T. -0.006 min

Lab File: VY016158.D

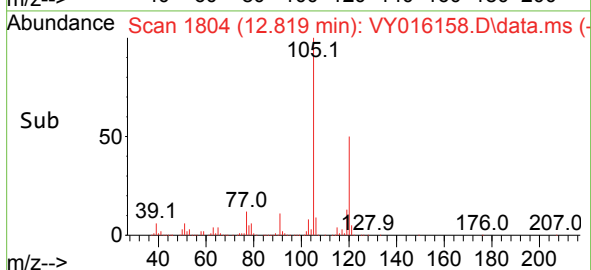
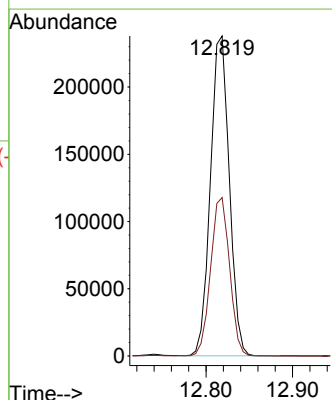
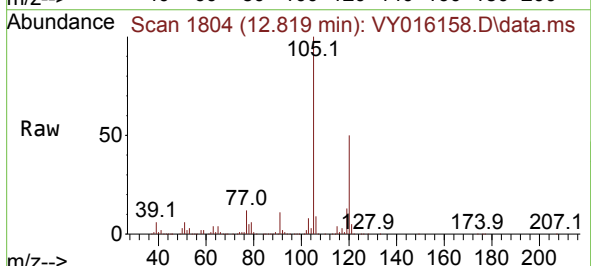
Acq: 01 Nov 2023 09:23

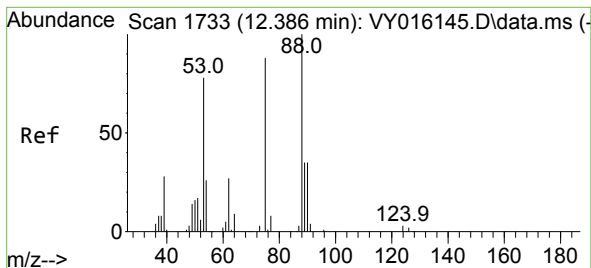
Tgt Ion: 105 Resp: 360433

Ion Ratio Lower Upper

105 100

120 49.8 23.9 71.7

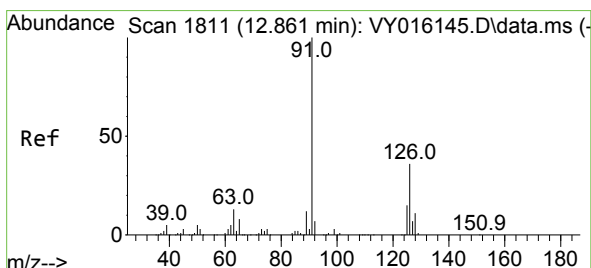
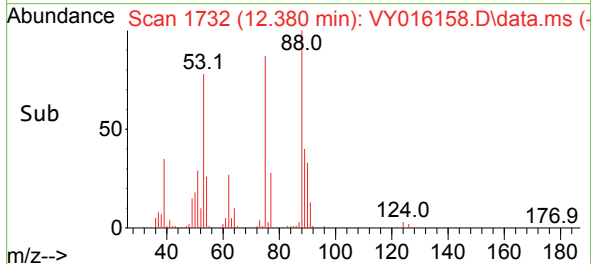
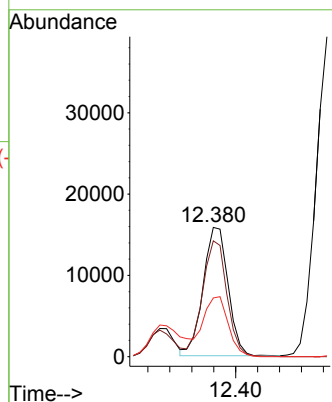
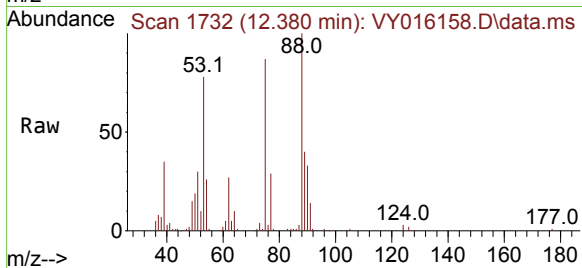




#81  
trans-1,4-Dichloro-2-butene  
Concen: 51.571 ug/l  
RT: 12.380 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY016158.D  
Acq: 01 Nov 2023 09:23

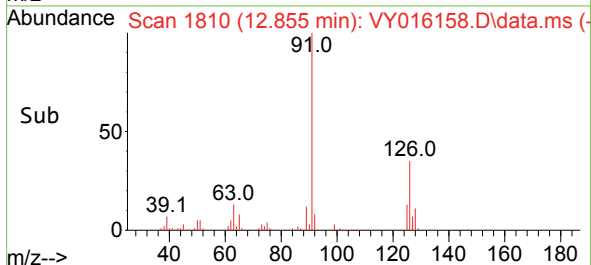
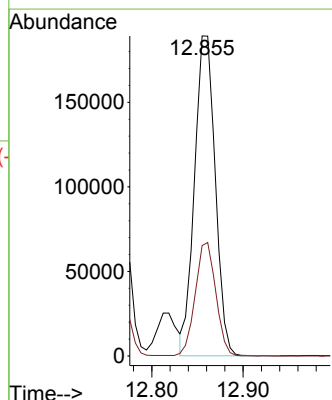
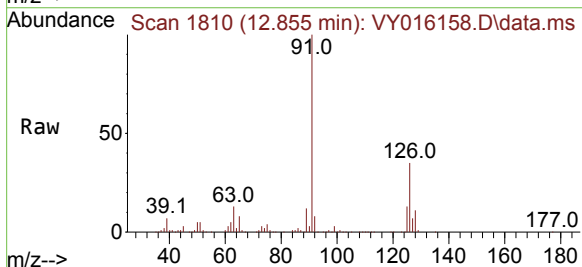
Instrument :  
MSVOA\_Y  
ClientSampleId :

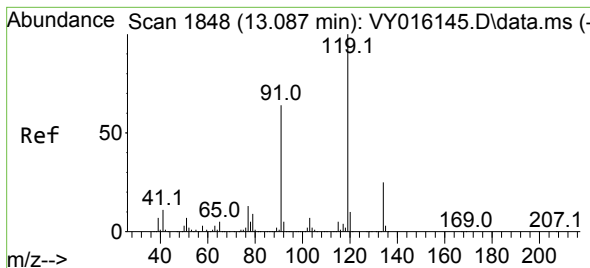
Tgt Ion: 75 Resp: 24859  
Ion Ratio Lower Upper  
75 100  
53 88.7 77.8 116.8  
89 46.4 37.4 56.0



#82  
4-Chlorotoluene  
Concen: 52.879 ug/l  
RT: 12.855 min Scan# 1810  
Delta R.T. -0.006 min  
Lab File: VY016158.D  
Acq: 01 Nov 2023 09:23

Tgt Ion: 91 Resp: 298090  
Ion Ratio Lower Upper  
91 100  
126 35.3 17.2 51.6





#83

tert-Butylbenzene

Concen: 54.213 ug/l

RT: 13.081 min Scan# 1847

Delta R.T. -0.006 min

Lab File: VY016158.D

Acq: 01 Nov 2023 09:23

Instrument :

MSVOA\_Y

ClientSampleId :

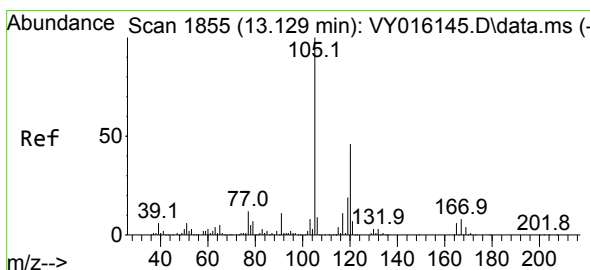
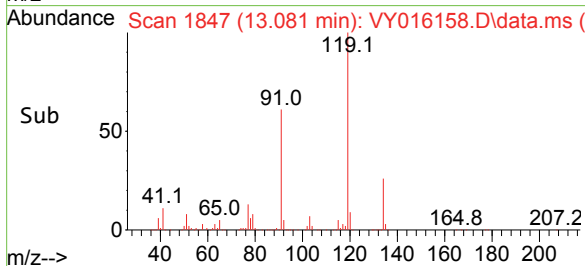
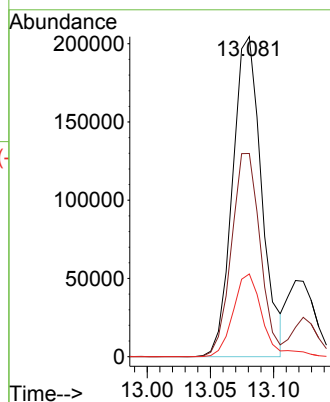
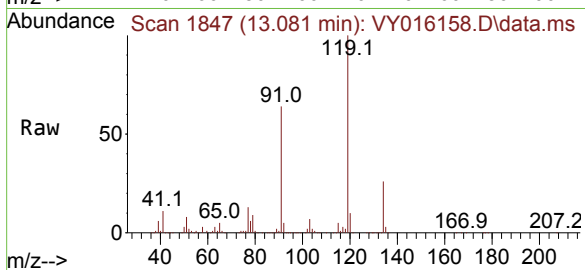
Tgt Ion:119 Resp: 327182

Ion Ratio Lower Upper

119 100

91 62.7 32.9 98.6

134 26.3 13.0 38.9



#84

1,2,4-Trimethylbenzene

Concen: 52.733 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. -0.006 min

Lab File: VY016158.D

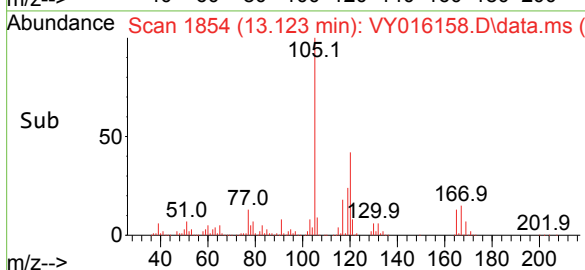
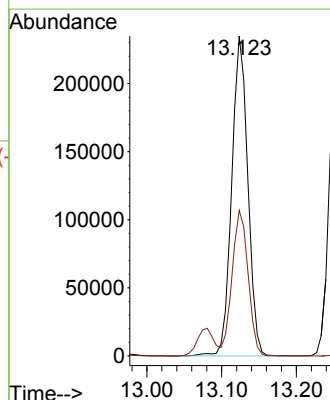
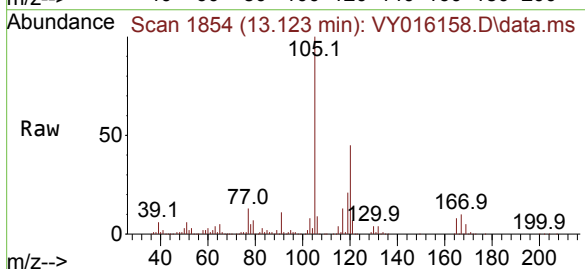
Acq: 01 Nov 2023 09:23

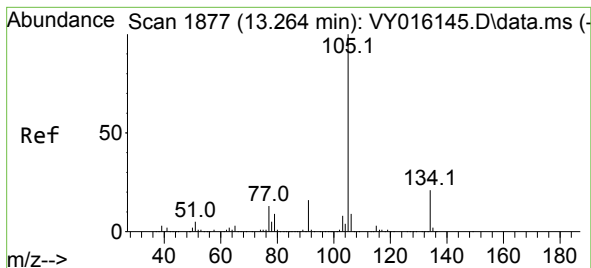
Tgt Ion:105 Resp: 351949

Ion Ratio Lower Upper

105 100

120 45.2 22.2 66.6





#85

sec-Butylbenzene

Concen: 53.862 ug/l

RT: 13.258 min Scan# 1876

Delta R.T. -0.006 min

Lab File: VY016158.D

Acq: 01 Nov 2023 09:23

Instrument :

MSVOA\_Y

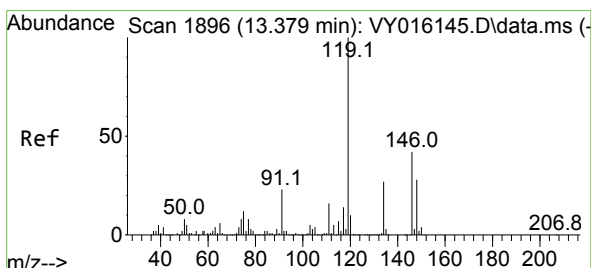
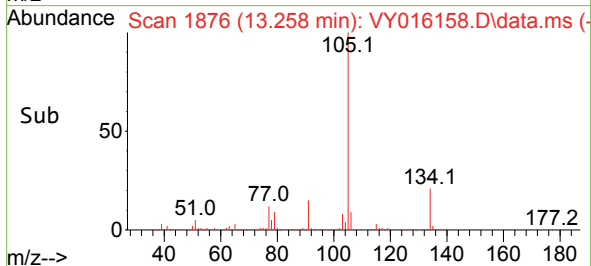
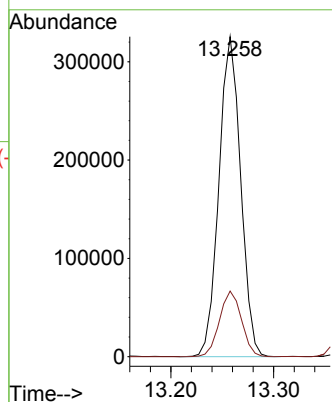
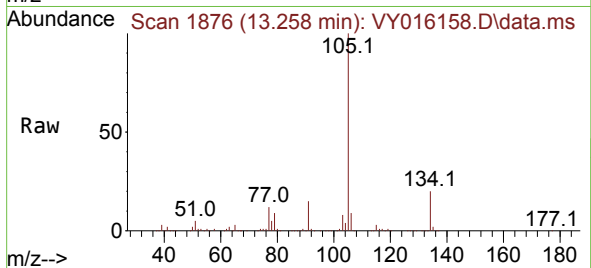
ClientSampleId :

Tgt Ion:105 Resp: 477102

Ion Ratio Lower Upper

105 100

134 20.8 10.2 30.6



#86

p-Isopropyltoluene

Concen: 53.304 ug/l

RT: 13.373 min Scan# 1895

Delta R.T. -0.006 min

Lab File: VY016158.D

Acq: 01 Nov 2023 09:23

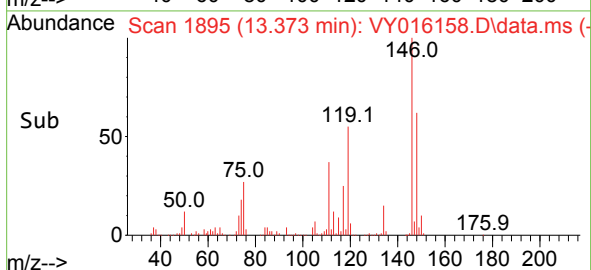
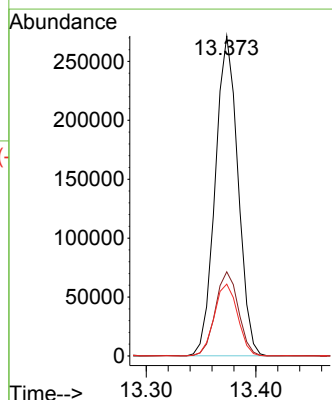
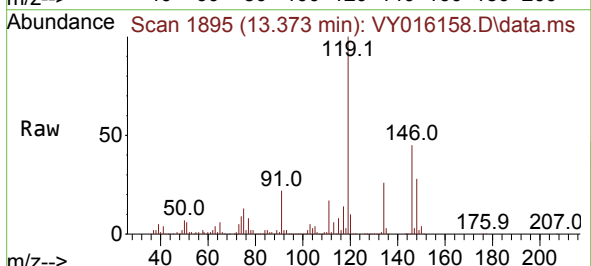
Tgt Ion:119 Resp: 391321

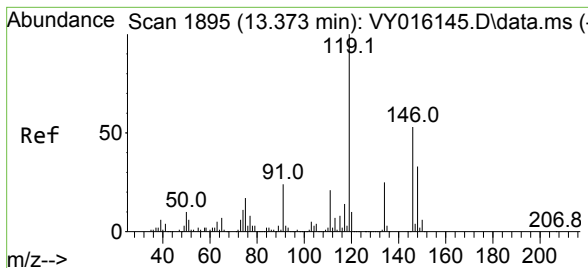
Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.8

91 23.2 12.4 37.4





#87

1,3-Dichlorobenzene

Concen: 52.230 ug/l

RT: 13.373 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY016158.D

Acq: 01 Nov 2023 09:23

Instrument :

MSVOA\_Y

ClientSampleId :

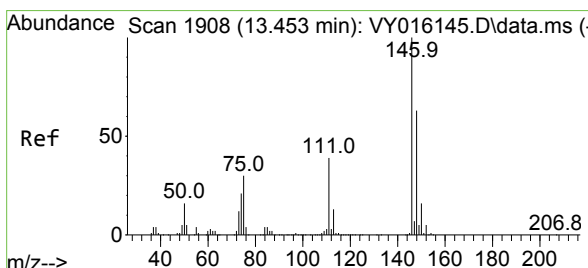
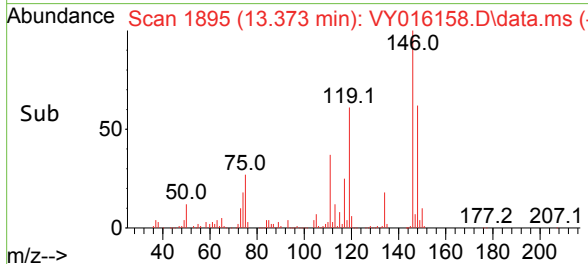
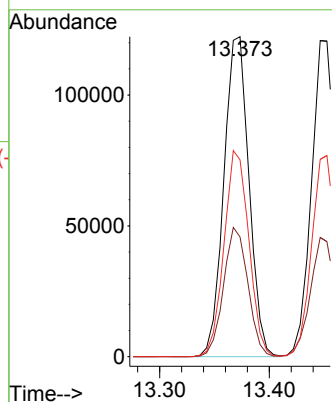
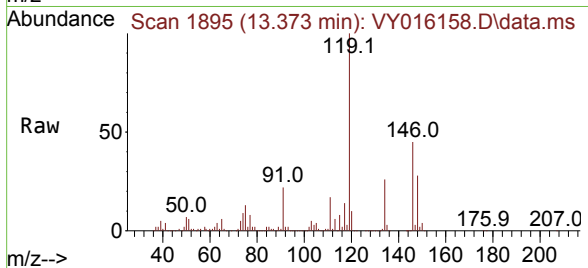
Tgt Ion:146 Resp: 194726

Ion Ratio Lower Upper

146 100

111 39.3 19.4 58.2

148 63.7 31.9 95.5



#88

1,4-Dichlorobenzene

Concen: 51.443 ug/l

RT: 13.447 min Scan# 1907

Delta R.T. -0.006 min

Lab File: VY016158.D

Acq: 01 Nov 2023 09:23

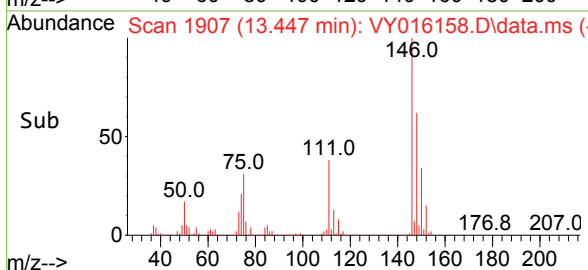
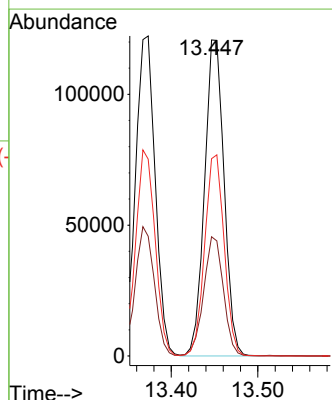
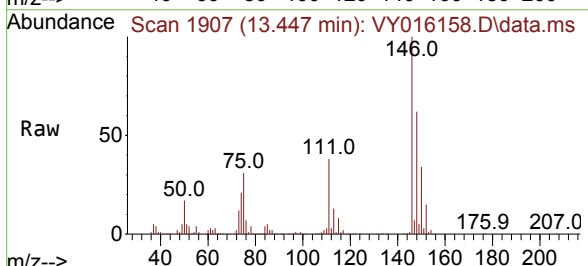
Tgt Ion:146 Resp: 189562

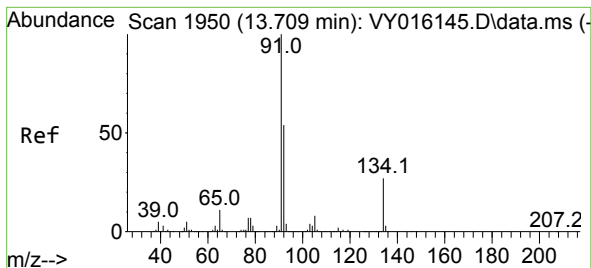
Ion Ratio Lower Upper

146 100

111 38.0 18.9 56.7

148 63.5 32.1 96.5





#89

n-Butylbenzene

Concen: 53.408 ug/l

RT: 13.703 min Scan# 1950

Delta R.T. -0.006 min

Lab File: VY016158.D

Acq: 01 Nov 2023 09:23

Instrument :

MSVOA\_Y

ClientSampleId :

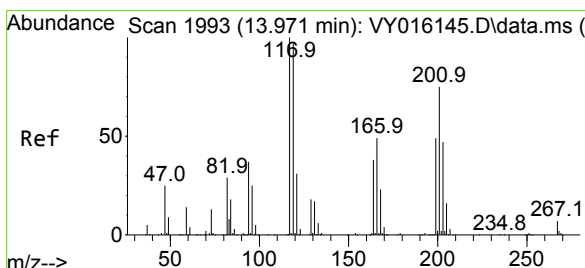
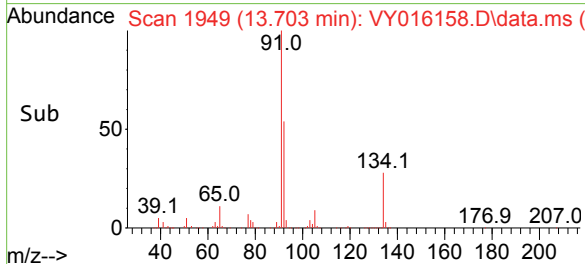
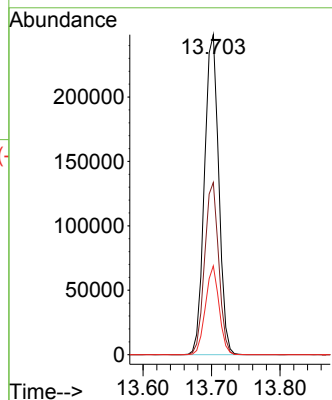
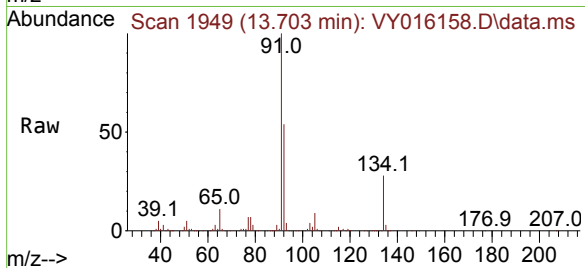
Tgt Ion: 91 Resp: 360263

Ion Ratio Lower Upper

91 100

92 53.1 25.4 76.0

134 26.5 12.6 37.6



#90

Hexachloroethane

Concen: 56.357 ug/l

RT: 13.965 min Scan# 1992

Delta R.T. -0.006 min

Lab File: VY016158.D

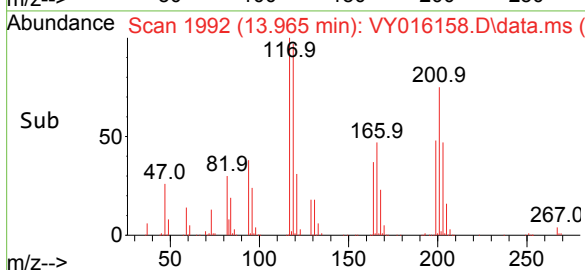
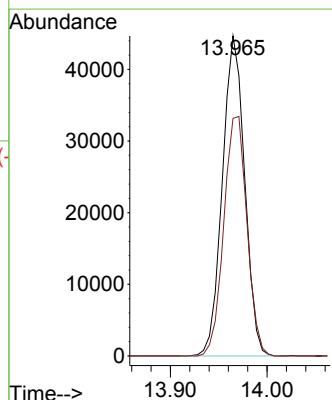
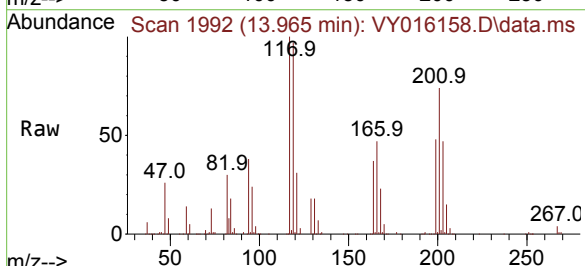
Acq: 01 Nov 2023 09:23

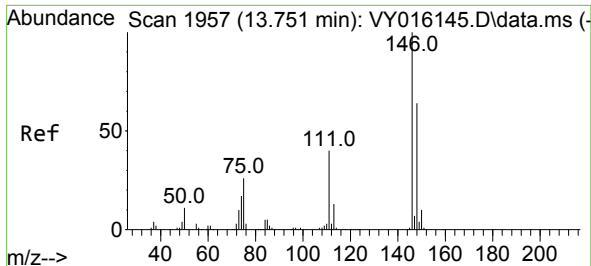
Tgt Ion: 117 Resp: 71298

Ion Ratio Lower Upper

117 100

201 77.9 41.6 124.8





#91

1,2-Dichlorobenzene

Concen: 51.926 ug/l

RT: 13.745 min Scan# 1956

Delta R.T. -0.006 min

Lab File: VY016158.D

Acq: 01 Nov 2023 09:23

Instrument :

MSVOA\_Y

ClientSampleId :

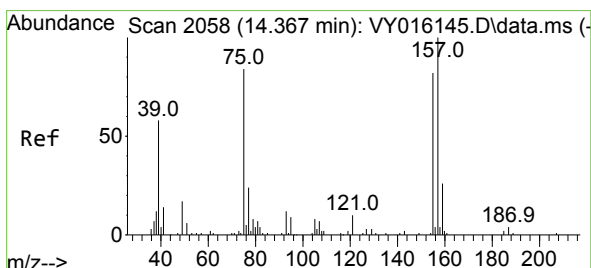
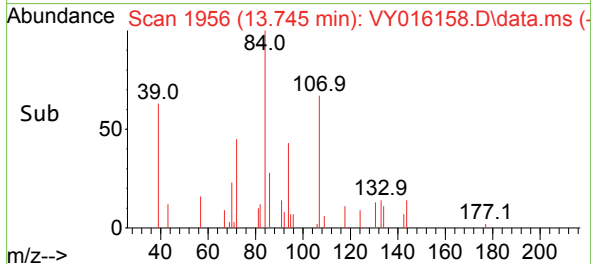
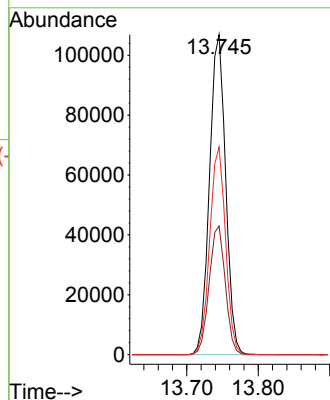
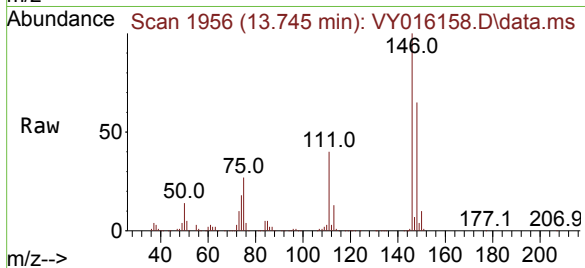
Tgt Ion:146 Resp: 167268

Ion Ratio Lower Upper

146 100

111 40.3 19.7 59.0

148 64.1 32.0 96.2



#92

1,2-Dibromo-3-Chloropropane

Concen: 45.688 ug/l

RT: 14.361 min Scan# 2057

Delta R.T. -0.006 min

Lab File: VY016158.D

Acq: 01 Nov 2023 09:23

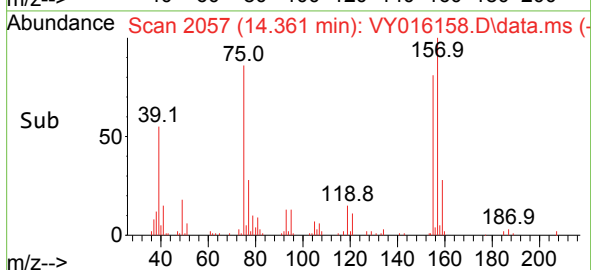
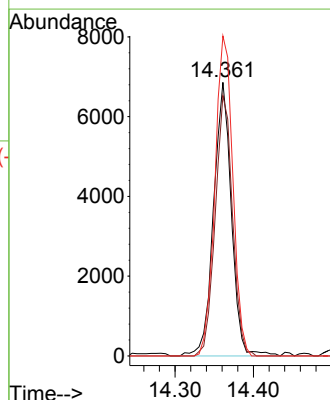
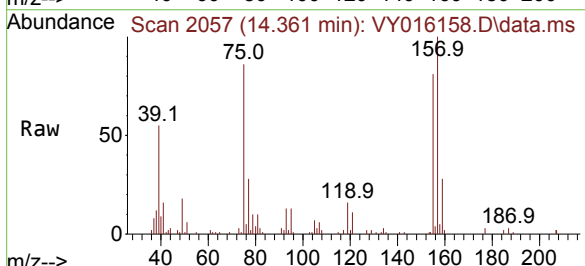
Tgt Ion: 75 Resp: 10832

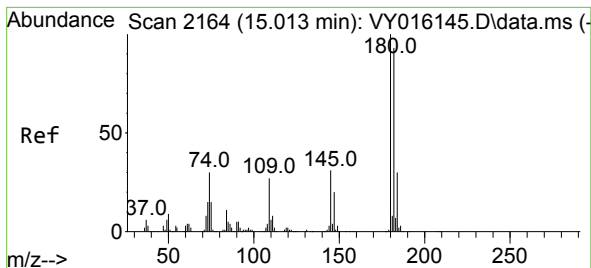
Ion Ratio Lower Upper

75 100

155 92.5 41.5 124.6

157 117.4 51.8 155.5





#93

1,2,4-Trichlorobenzene

Concen: 49.287 ug/l

RT: 15.013 min Scan# 2164

Delta R.T. 0.000 min

Lab File: VY016158.D

Acq: 01 Nov 2023 09:23

Instrument :

MSVOA\_Y

ClientSampleId :

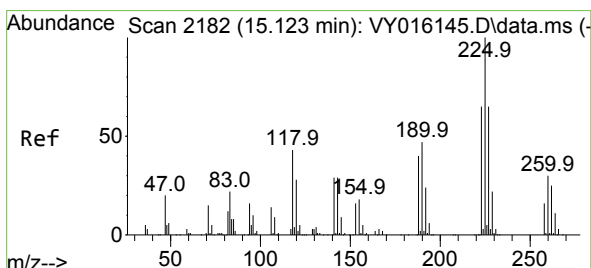
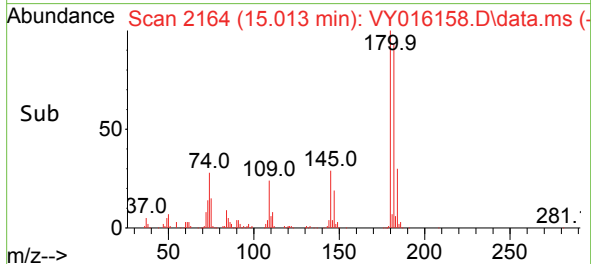
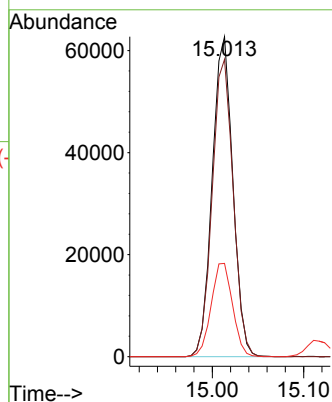
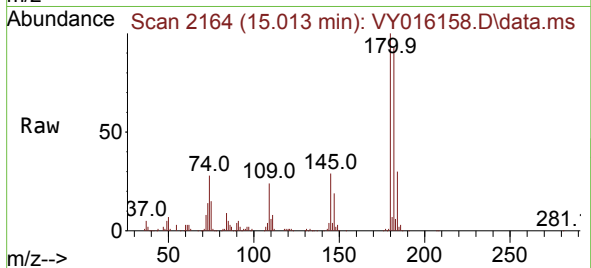
Tgt Ion:180 Resp: 97993

Ion Ratio Lower Upper

180 100

182 94.7 47.0 141.2

145 30.3 14.5 43.5



#94

Hexachlorobutadiene

Concen: 51.157 ug/l

RT: 15.117 min Scan# 2181

Delta R.T. -0.006 min

Lab File: VY016158.D

Acq: 01 Nov 2023 09:23

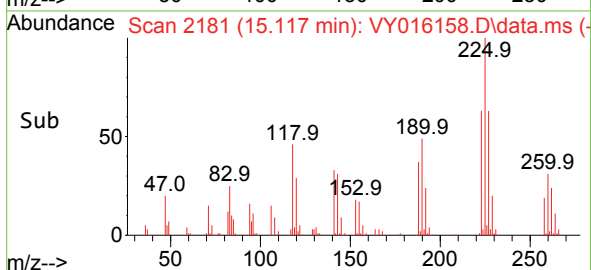
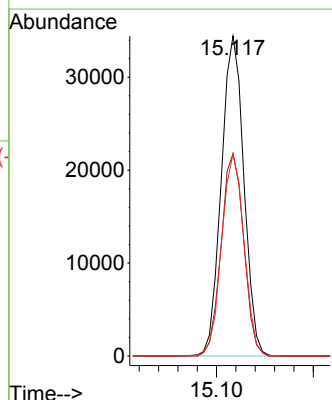
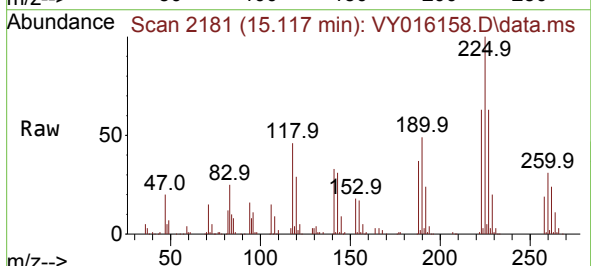
Tgt Ion:225 Resp: 55580

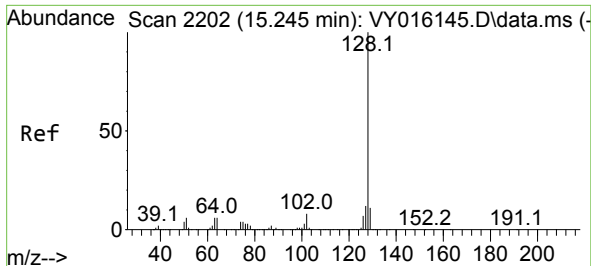
Ion Ratio Lower Upper

225 100

223 63.0 31.9 95.9

227 62.6 33.0 98.9

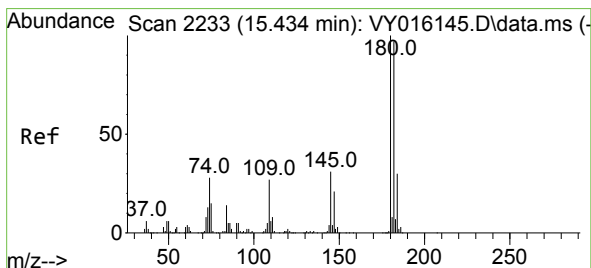
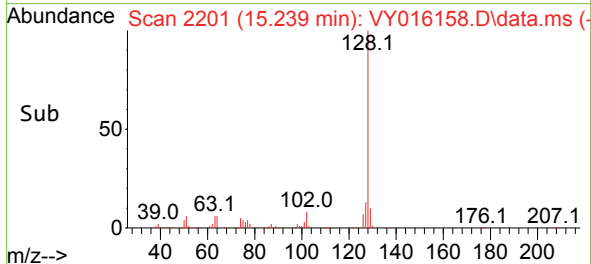
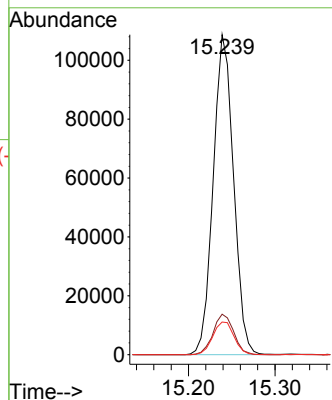
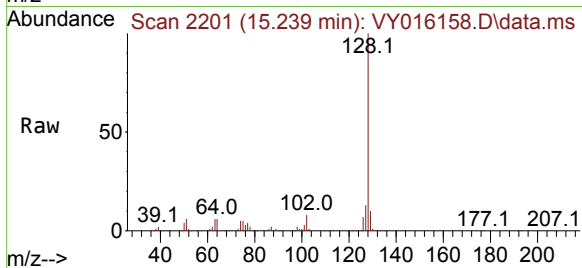




#95  
Naphthalene  
Concen: 45.921 ug/l  
RT: 15.239 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VY016158.D  
Acq: 01 Nov 2023 09:23

Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion:128 Resp: 177368  
Ion Ratio Lower Upper  
128 100  
127 12.8 10.8 16.2  
129 10.7 8.6 13.0



#96  
1,2,3-Trichlorobenzene  
Concen: 47.674 ug/l  
RT: 15.428 min Scan# 2232  
Delta R.T. -0.006 min  
Lab File: VY016158.D  
Acq: 01 Nov 2023 09:23

Tgt Ion:180 Resp: 80970  
Ion Ratio Lower Upper  
180 100  
182 95.3 47.3 141.8  
145 32.1 15.4 46.2

