

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY060424\  
 Data File : VY018456.D  
 Acq On : 04 Jun 2024 10:12  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Jun 05 01:21:11 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060324S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 04 07:11:56 2024  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|------------------------------|--------|-------|----------|----------|-------|----------|
| -----                        |        |       |          |          |       |          |
| Internal Standards           |        |       |          |          |       |          |
| 1) Pentafluorobenzene        | 7.777  | 168   | 50832    | 50.000   | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene      | 8.679  | 114   | 81663    | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5         | 11.489 | 117   | 76732    | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.422 | 152   | 57165    | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds  |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4    | 8.130  | 65    | 49546    | 49.632   | ug/l  | 0.00     |
| Spiked Amount                | 50.000 | Range | 50 - 163 | Recovery | =     | 99.260%  |
| 35) Dibromofluoromethane     | 7.710  | 113   | 49882    | 48.170   | ug/l  | 0.00     |
| Spiked Amount                | 50.000 | Range | 54 - 147 | Recovery | =     | 96.340%  |
| 50) Toluene-d8               | 10.173 | 98    | 202021   | 49.038   | ug/l  | 0.00     |
| Spiked Amount                | 50.000 | Range | 58 - 134 | Recovery | =     | 98.080%  |
| 62) 4-Bromofluorobenzene     | 12.477 | 95    | 64528    | 50.307   | ug/l  | 0.00     |
| Spiked Amount                | 50.000 | Range | 30 - 143 | Recovery | =     | 100.620% |
| Target Compounds             |        |       |          |          |       |          |
|                              |        |       |          |          |       | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.900  | 85    | 38353    | 47.508   | ug/l  | 99       |
| 3) Chloromethane             | 2.107  | 50    | 79573    | 52.853   | ug/l  | 98       |
| 4) Vinyl Chloride            | 2.241  | 62    | 96784    | 53.745   | ug/l  | 100      |
| 5) Bromomethane              | 2.644  | 94    | 63762    | 53.071   | ug/l  | 100      |
| 6) Chloroethane              | 2.784  | 64    | 65263    | 57.400   | ug/l  | 94       |
| 7) Trichlorofluoromethane    | 3.113  | 101   | 99840    | 53.584   | ug/l  | 93       |
| 8) Diethyl Ether             | 3.521  | 74    | 30449    | 54.313   | ug/l  | 88       |
| 9) 1,1,2-Trichlorotrifluo... | 3.887  | 101   | 57164    | 52.688   | ug/l  | 93       |
| 10) Methyl Iodide            | 4.076  | 142   | 63116    | 59.226   | ug/l  | 96       |
| 11) Tert butyl alcohol       | 4.948  | 59    | 23087    | 190.904  | ug/l  | # 88     |
| 12) 1,1-Dichloroethene       | 3.857  | 96    | 55992    | 52.506   | ug/l  | 91       |
| 13) Acrolein                 | 3.710  | 56    | 29967    | 293.275  | ug/l  | 98       |
| 14) Allyl chloride           | 4.466  | 41    | 86243    | 55.221   | ug/l  | 95       |
| 15) Acrylonitrile            | 5.143  | 53    | 69483    | 271.014  | ug/l  | 99       |
| 16) Acetone                  | 3.930  | 43    | 63322    | 285.795  | ug/l  | 94       |
| 17) Carbon Disulfide         | 4.180  | 76    | 160757   | 51.389   | ug/l  | 99       |
| 18) Methyl Acetate           | 4.460  | 43    | 28503    | 51.445   | ug/l  | 93       |
| 19) Methyl tert-butyl Ether  | 5.204  | 73    | 143925   | 56.000   | ug/l  | 99       |
| 20) Methylene Chloride       | 4.698  | 84    | 62371    | 51.380   | ug/l  | 93       |
| 21) trans-1,2-Dichloroethene | 5.204  | 96    | 62681    | 55.080   | ug/l  | 90       |
| 22) Diisopropyl ether        | 6.106  | 45    | 194565   | 61.173   | ug/l  | 95       |
| 23) Vinyl Acetate            | 6.045  | 43    | 615950   | 297.572  | ug/l  | 94       |
| 24) 1,1-Dichloroethane       | 6.003  | 63    | 111646   | 56.278   | ug/l  | 95       |
| 25) 2-Butanone               | 6.972  | 43    | 95039    | 279.999  | ug/l  | # 87     |
| 26) 2,2-Dichloropropane      | 6.966  | 77    | 95650    | 54.858   | ug/l  | 100      |
| 27) cis-1,2-Dichloroethene   | 6.978  | 96    | 74214    | 56.063   | ug/l  | 92       |
| 28) Bromochloromethane       | 7.326  | 49    | 49401    | 54.113   | ug/l  | # 81     |
| 29) Tetrahydrofuran          | 7.338  | 42    | 58460    | 265.203  | ug/l  | 89       |
| 30) Chloroform               | 7.496  | 83    | 117568   | 59.088   | ug/l  | 98       |
| 31) Cyclohexane              | 7.777  | 56    | 99275    | 53.338   | ug/l  | 95       |
| 32) 1,1,1-Trichloroethane    | 7.697  | 97    | 98206    | 56.353   | ug/l  | 98       |
| 36) 1,1-Dichloropropene      | 7.905  | 75    | 85852    | 54.373   | ug/l  | 96       |
| 37) Ethyl Acetate            | 7.063  | 43    | 40985    | 51.959   | ug/l  | 99       |
| 38) Carbon Tetrachloride     | 7.893  | 117   | 84015    | 53.098   | ug/l  | 97       |
| 39) Methylcyclohexane        | 9.179  | 83    | 112121   | 52.528   | ug/l  | 95       |
| 40) Benzene                  | 8.155  | 78    | 263445   | 55.685   | ug/l  | 98       |

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 ALS Vial : 3 Sample Multiplier: 1

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 MSVOA\_Y  
 ClientSampleId :

Quant Time: Jun 05 01:21:11 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060324S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 04 07:11:56 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.295  | 41   | 24280    | 63.282   | ug/l # | 85       |
| 42) 1,2-Dichloroethane        | 8.228  | 62   | 64190    | 55.808   | ug/l   | 97       |
| 43) Isopropyl Acetate         | 8.264  | 43   | 82027    | 55.615   | ug/l   | 92       |
| 44) Trichloroethene           | 8.935  | 130  | 62289    | 53.130   | ug/l   | 87       |
| 45) 1,2-Dichloropropane       | 9.209  | 63   | 61261    | 56.621   | ug/l   | 99       |
| 46) Dibromomethane            | 9.301  | 93   | 34233    | 55.186   | ug/l   | 91       |
| 47) Bromodichloromethane      | 9.490  | 83   | 85236    | 57.242   | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.283  | 41   | 36275    | 53.457   | ug/l   | 88       |
| 49) 1,4-Dioxane               | 9.289  | 88   | 8314     | 1020.614 | ug/l # | 89       |
| 51) 4-Methyl-2-Pentanone      | 10.063 | 43   | 211948   | 276.745  | ug/l   | 92       |
| 52) Toluene                   | 10.240 | 92   | 166452   | 57.204   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.459 | 75   | 80977    | 59.218   | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 9.923  | 75   | 95149    | 56.512   | ug/l   | 93       |
| 55) 1,1,2-Trichloroethane     | 10.642 | 97   | 46259    | 57.318   | ug/l   | 95       |
| 56) Ethyl methacrylate        | 10.508 | 69   | 65462    | 57.641   | ug/l # | 86       |
| 57) 1,3-Dichloropropane       | 10.782 | 76   | 80276    | 58.592   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.776  | 63   | 177188   | 290.537  | ug/l   | 94       |
| 59) 2-Hexanone                | 10.825 | 43   | 148038   | 279.718  | ug/l   | 91       |
| 60) Dibromochloromethane      | 10.983 | 129  | 56320    | 57.121   | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.081 | 107  | 42309    | 55.671   | ug/l   | 98       |
| 64) Tetrachloroethene         | 10.715 | 164  | 55946    | 49.498   | ug/l   | 93       |
| 65) Chlorobenzene             | 11.514 | 112  | 174906   | 53.153   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.587 | 131  | 55226    | 51.904   | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.587 | 91   | 324501   | 54.180   | ug/l   | 100      |
| 68) m/p-Xylenes               | 11.697 | 106  | 243982   | 108.182  | ug/l   | 97       |
| 69) o-Xylene                  | 12.026 | 106  | 114667   | 52.818   | ug/l   | 96       |
| 70) Styrene                   | 12.038 | 104  | 197097   | 55.565   | ug/l   | 98       |
| 71) Bromoform                 | 12.203 | 173  | 29003    | 51.742   | ug/l # | 96       |
| 73) Isopropylbenzene          | 12.325 | 105  | 309528   | 52.471   | ug/l   | 99       |
| 74) N-amyl acetate            | 12.142 | 43   | 71891    | 50.067   | ug/l # | 90       |
| 75) 1,1,2,2-Tetrachloroethane | 12.581 | 83   | 51705    | 49.792   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.630 | 75   | 65453    | 92.337   | ug/l # | 100      |
| 77) Bromobenzene              | 12.605 | 156  | 63765    | 50.910   | ug/l   | 92       |
| 78) n-propylbenzene           | 12.666 | 91   | 372136   | 52.561   | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.751 | 91   | 200861   | 52.185   | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 12.806 | 105  | 241009   | 52.457   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.373 | 75   | 16088    | 47.682   | ug/l   | 91       |
| 82) 4-Chlorotoluene           | 12.849 | 91   | 192669   | 49.744   | ug/l   | 96       |
| 83) tert-Butylbenzene         | 13.075 | 119  | 220989   | 52.015   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.117 | 105  | 231933   | 51.563   | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.251 | 105  | 318851   | 50.961   | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.367 | 119  | 261838   | 51.852   | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.361 | 146  | 129867   | 52.564   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.440 | 146  | 126485   | 52.111   | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.690 | 91   | 242256   | 50.485   | ug/l   | 99       |
| 90) Hexachloroethane          | 13.959 | 117  | 50398    | 53.246   | ug/l   | 91       |
| 91) 1,2-Dichlorobenzene       | 13.739 | 146  | 113844   | 52.952   | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 14.349 | 75   | 7006     | 44.336   | ug/l   | 86       |
| 93) 1,2,4-Trichlorobenzene    | 15.001 | 180  | 59246    | 50.954   | ug/l   | 96       |
| 94) Hexachlorobutadiene       | 15.111 | 225  | 29415    | 47.633   | ug/l   | 99       |
| 95) Naphthalene               | 15.233 | 128  | 115858   | 49.614   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.422 | 180  | 49729    | 50.549   | ug/l   | 98       |

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Quant Title : SW846 8260  
QLast Update : Tue Jun 04 07:11:56 2024  
Response via : Initial Calibration

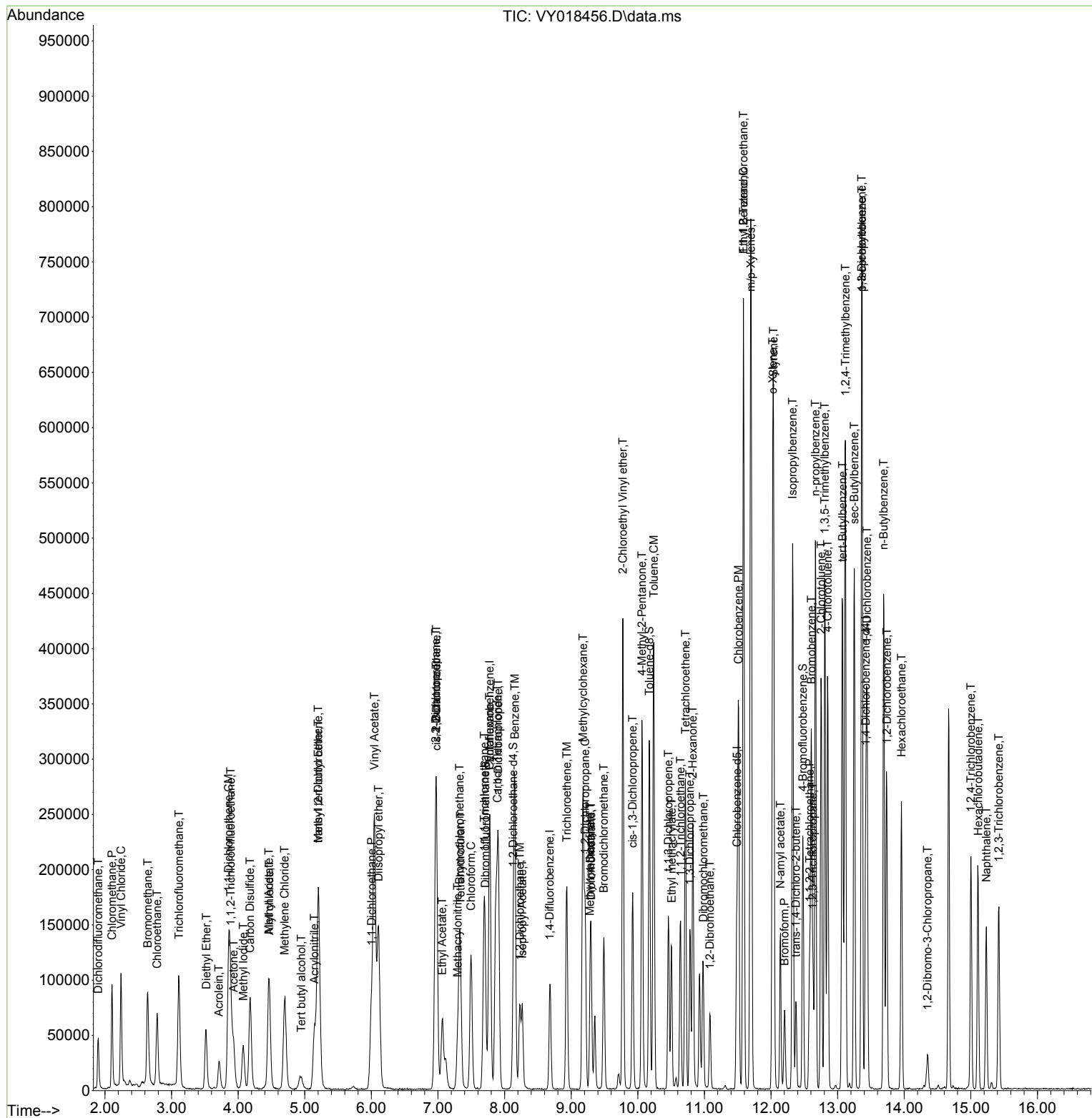
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

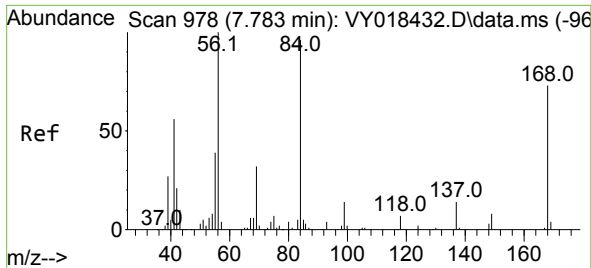
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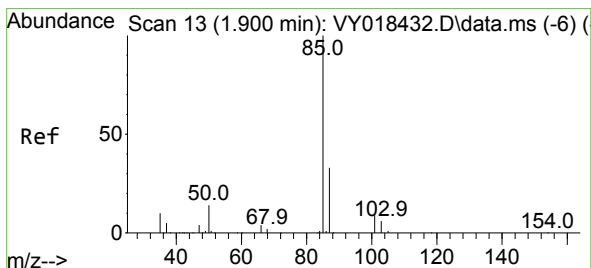
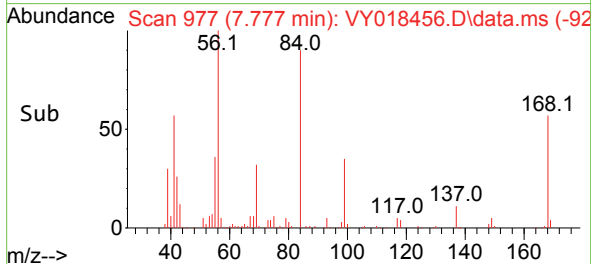
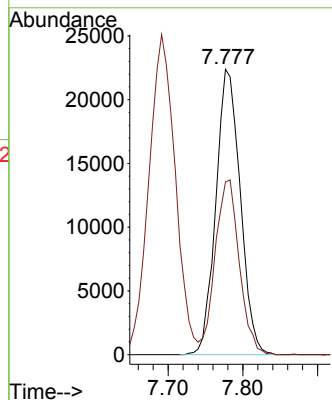
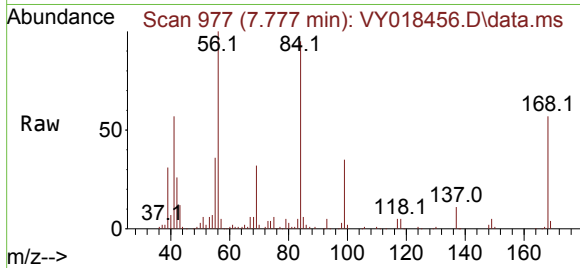




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.777 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY018456.D  
Acq: 04 Jun 2024 10:12

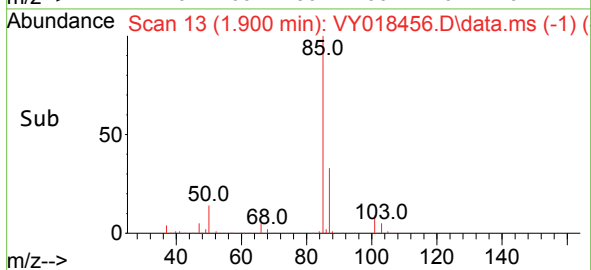
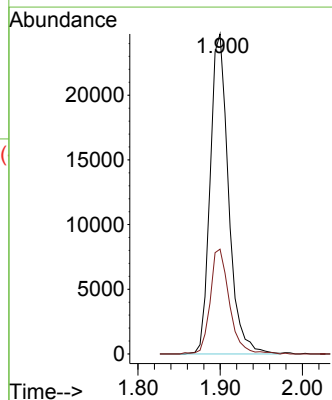
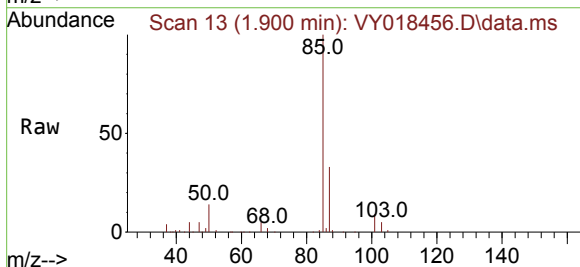
Instrument :  
MSVOA\_Y  
ClientSampleId :

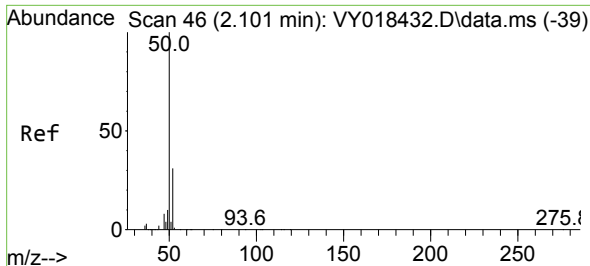
Tgt Ion:168 Resp: 50832  
Ion Ratio Lower Upper  
168 100  
99 60.5 39.1 58.7#



#2  
Dichlorodifluoromethane  
Concen: 47.508 ug/l  
RT: 1.900 min Scan# 13  
Delta R.T. 0.000 min  
Lab File: VY018456.D  
Acq: 04 Jun 2024 10:12

Tgt Ion: 85 Resp: 38353  
Ion Ratio Lower Upper  
85 100  
87 32.7 16.0 48.0

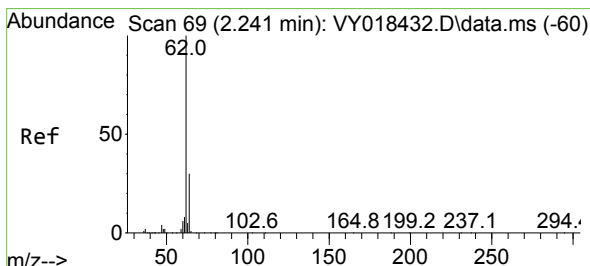
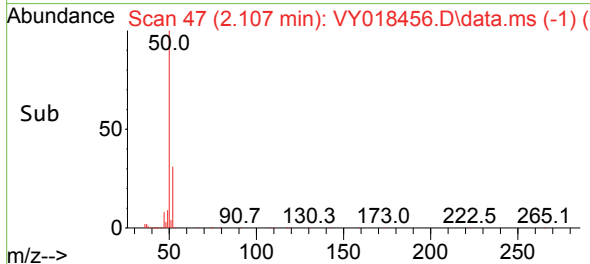
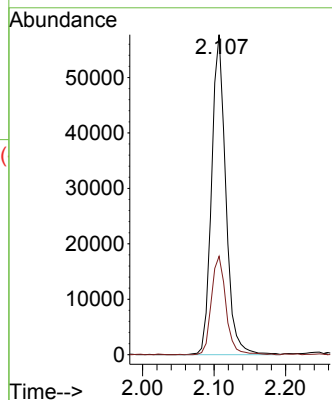
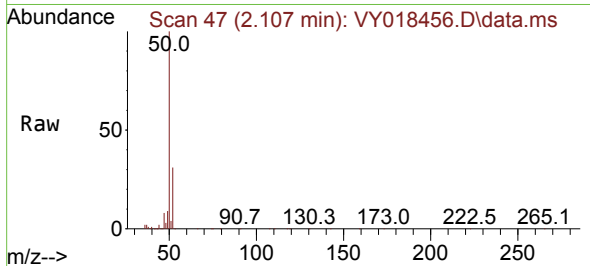




#3  
Chloromethane  
Concen: 52.853 ug/l  
RT: 2.107 min Scan# 41  
Delta R.T. 0.006 min  
Lab File: VY018456.D  
Acq: 04 Jun 2024 10:12

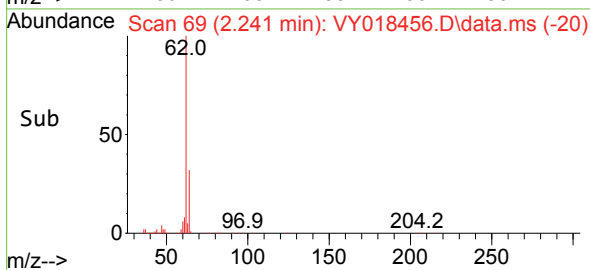
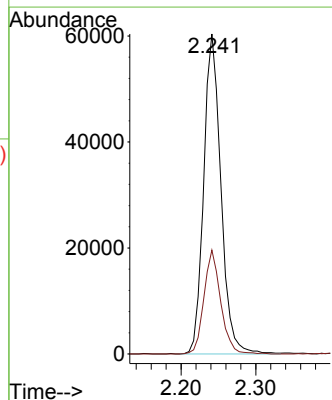
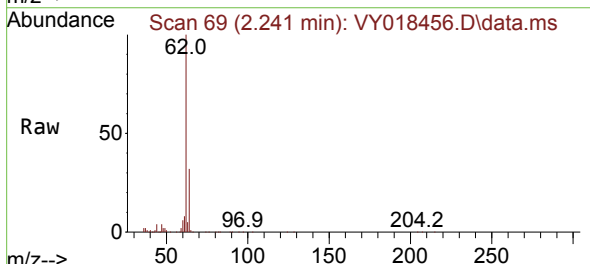
Instrument :  
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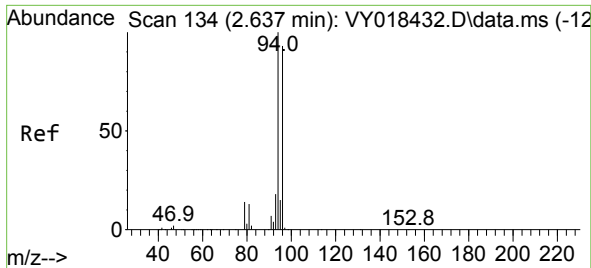
Tgt Ion: 50 Resp: 79573  
Ion Ratio Lower Upper  
50 100  
52 30.8 25.6 38.4



#4  
Vinyl Chloride  
Concen: 53.745 ug/l  
RT: 2.241 min Scan# 69  
Delta R.T. 0.000 min  
Lab File: VY018456.D  
Acq: 04 Jun 2024 10:12

Tgt Ion: 62 Resp: 96784  
Ion Ratio Lower Upper  
62 100  
64 32.4 26.1 39.1

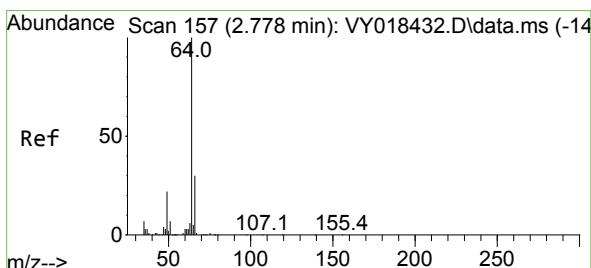
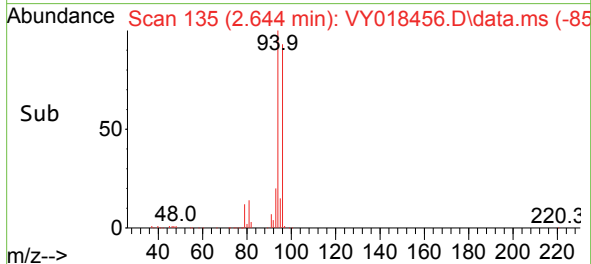
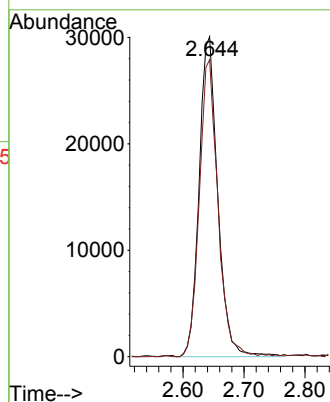
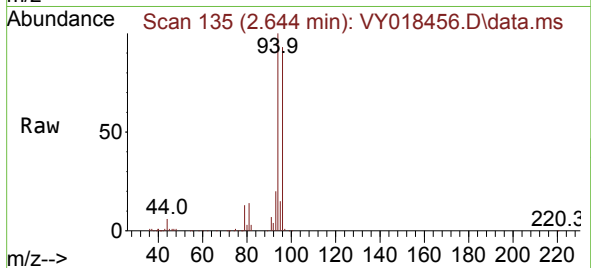




#5  
Bromomethane  
Concen: 53.071 ug/l  
RT: 2.644 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY018456.D  
Acq: 04 Jun 2024 10:12

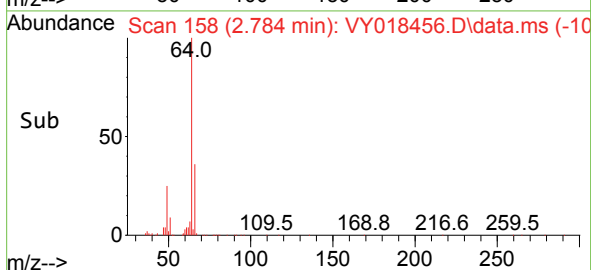
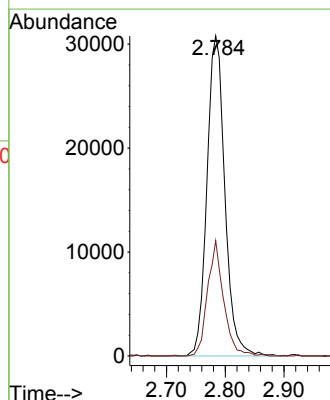
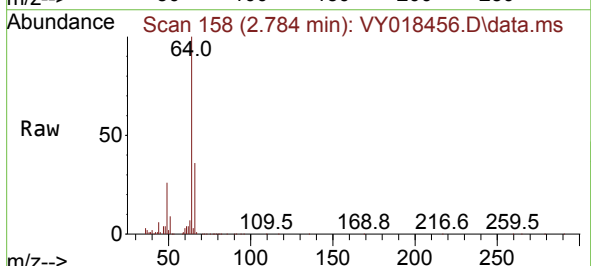
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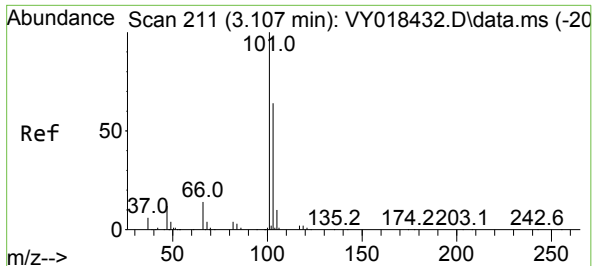
Tgt Ion: 94 Resp: 63762  
Ion Ratio Lower Upper  
94 100  
96 92.8 74.1 111.1



#6  
Chloroethane  
Concen: 57.400 ug/l  
RT: 2.784 min Scan# 158  
Delta R.T. 0.006 min  
Lab File: VY018456.D  
Acq: 04 Jun 2024 10:12

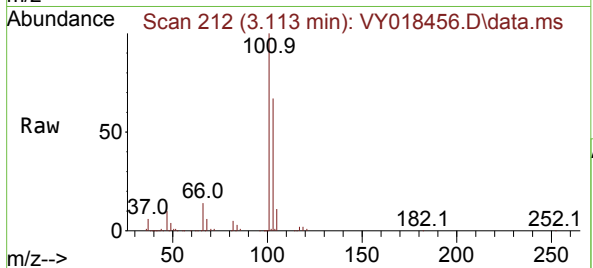
Tgt Ion: 64 Resp: 65263  
Ion Ratio Lower Upper  
64 100  
66 36.1 26.1 39.1



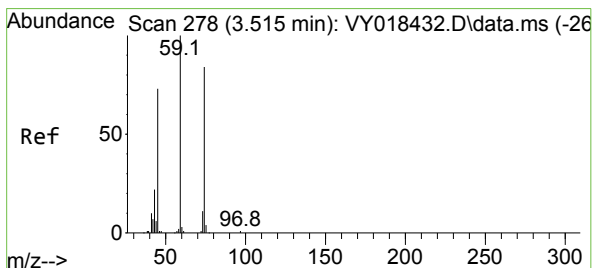
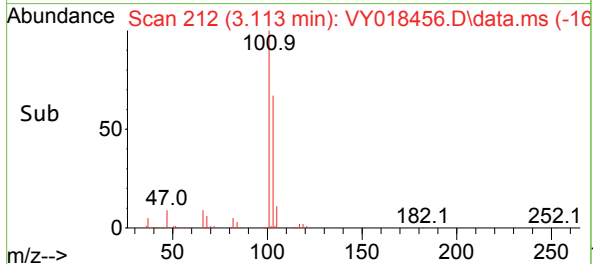
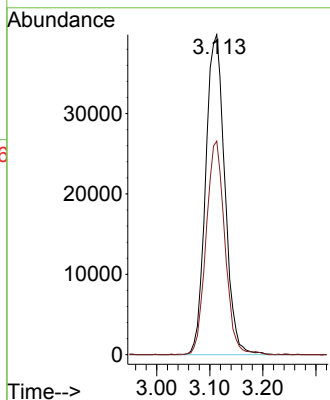


#7  
Trichlorofluoromethane  
Concen: 53.584 ug/l  
RT: 3.113 min Scan# 211  
Delta R.T. 0.006 min  
Lab File: VY018456.D  
Acq: 04 Jun 2024 10:12

Instrument :  
MSVOA\_Y  
ClientSampleId :

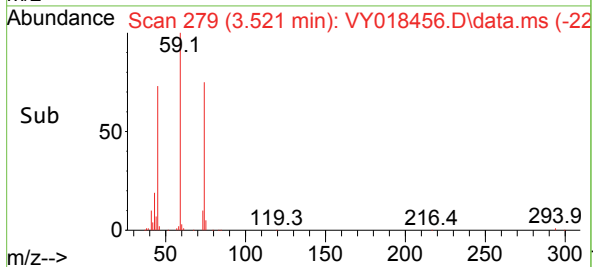
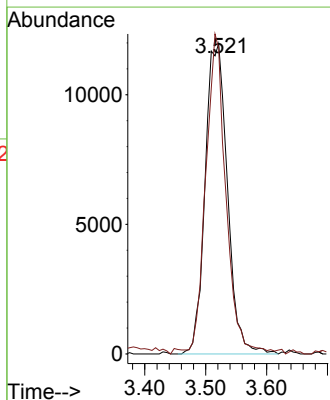
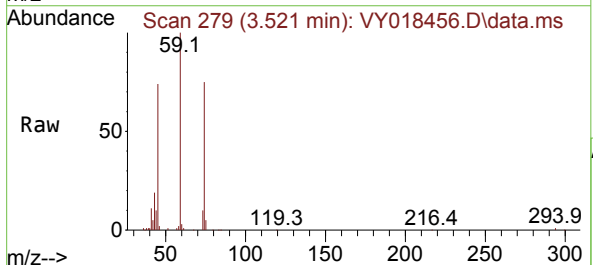


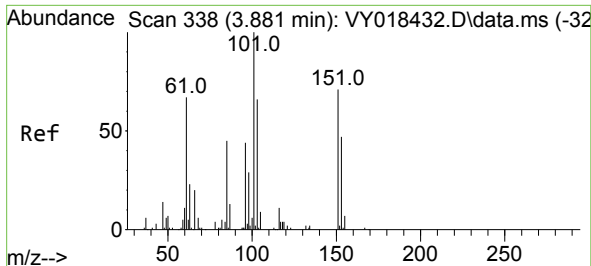
Tgt Ion:101 Resp: 99840  
Ion Ratio Lower Upper  
101 100  
103 66.6 49.3 73.9



#8  
Diethyl Ether  
Concen: 54.313 ug/l  
RT: 3.521 min Scan# 279  
Delta R.T. 0.006 min  
Lab File: VY018456.D  
Acq: 04 Jun 2024 10:12

Tgt Ion: 74 Resp: 30449  
Ion Ratio Lower Upper  
74 100  
45 93.4 41.3 124.1

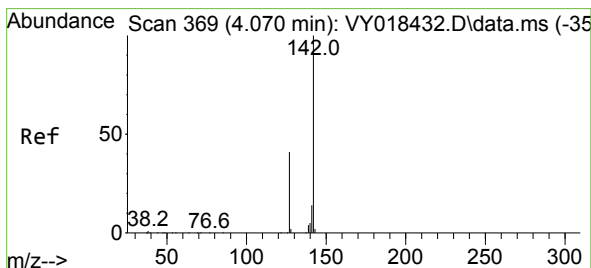
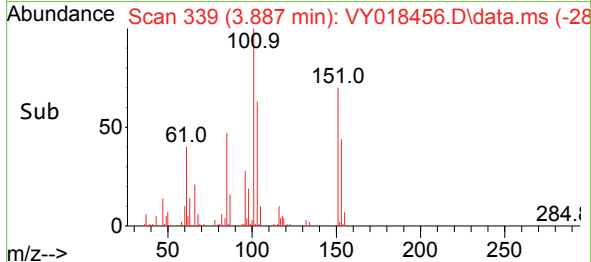
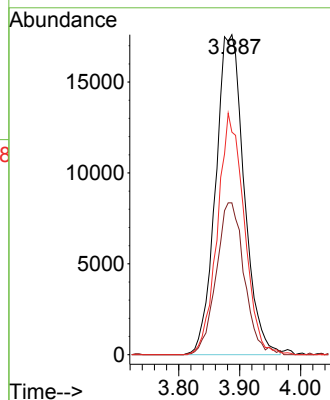
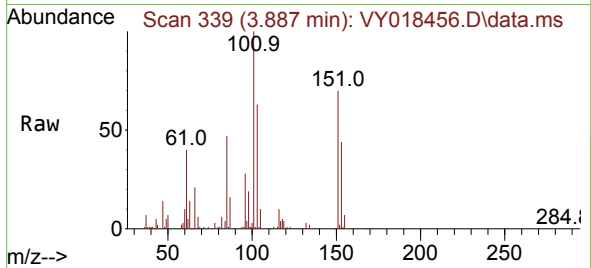




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 52.688 ug/l  
RT: 3.887 min Scan# 31  
Delta R.T. 0.006 min  
Lab File: VY018456.D  
Acq: 04 Jun 2024 10:12

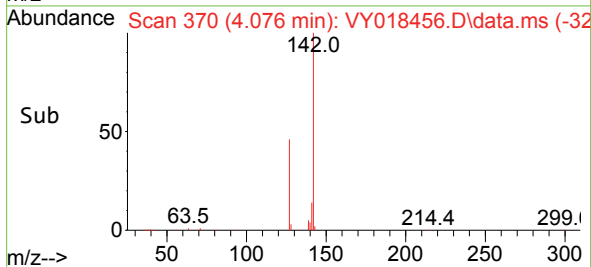
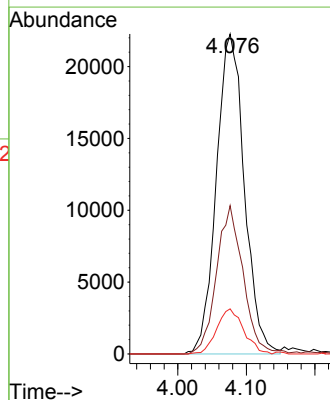
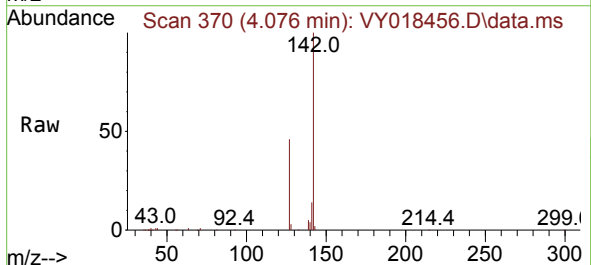
Instrument :  
MSVOA\_Y  
ClientSampleId :

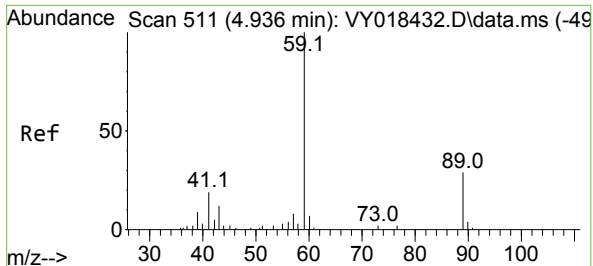
Tgt Ion:101 Resp: 57164  
Ion Ratio Lower Upper  
101 100  
85 46.7 34.5 51.7  
151 70.9 61.7 92.5



#10  
Methyl Iodide  
Concen: 59.226 ug/l  
RT: 4.076 min Scan# 370  
Delta R.T. 0.006 min  
Lab File: VY018456.D  
Acq: 04 Jun 2024 10:12

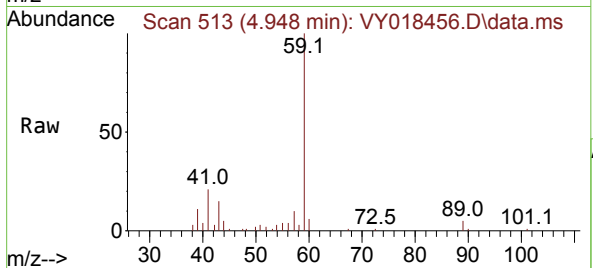
Tgt Ion:142 Resp: 63116  
Ion Ratio Lower Upper  
142 100  
127 44.0 32.8 49.2  
141 13.6 11.4 17.2



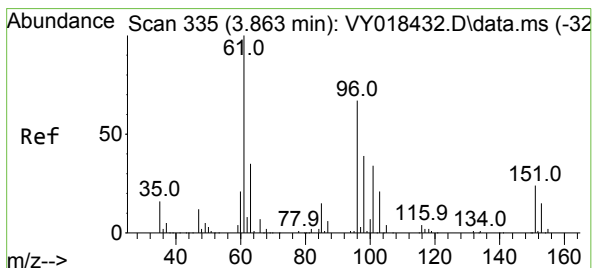
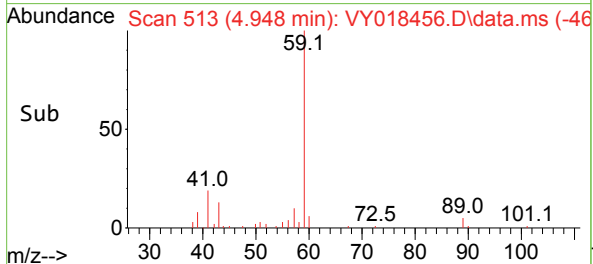
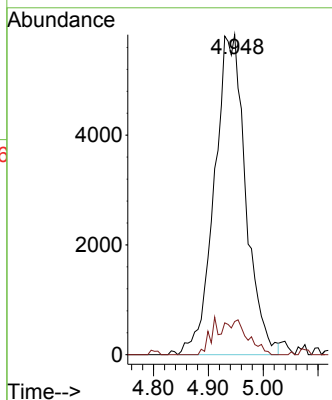


#11  
Tert butyl alcohol  
Concen: 190.904 ug/l  
RT: 4.948 min Scan# 511  
Delta R.T. 0.012 min  
Lab File: VY018456.D  
Acq: 04 Jun 2024 10:12

Instrument :  
MSVOA\_Y  
ClientSampleId :

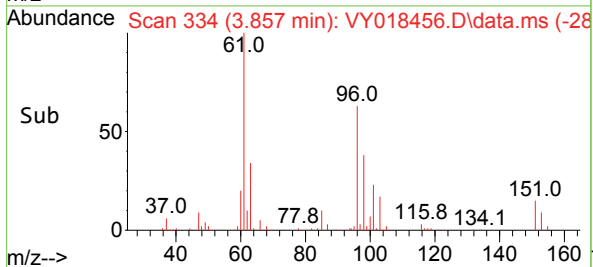
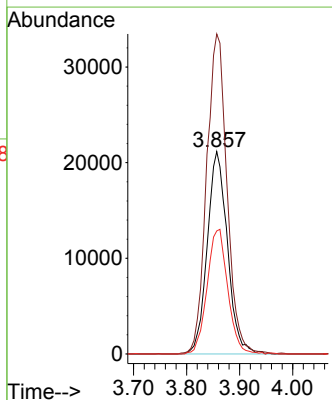
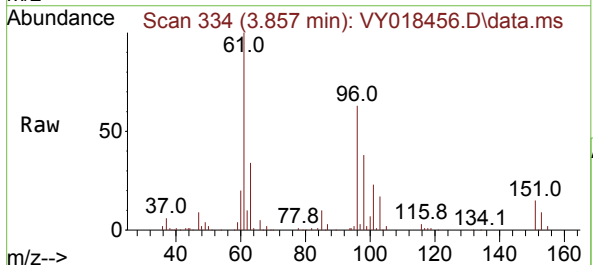


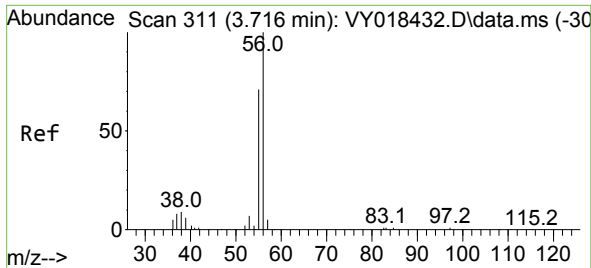
Tgt Ion: 59 Resp: 23087  
Ion Ratio Lower Upper  
59 100  
57 7.8 3.0 4.6#



#12  
1,1-Dichloroethene  
Concen: 52.506 ug/l  
RT: 3.857 min Scan# 334  
Delta R.T. -0.006 min  
Lab File: VY018456.D  
Acq: 04 Jun 2024 10:12

Tgt Ion: 96 Resp: 55992  
Ion Ratio Lower Upper  
96 100  
61 158.0 114.6 171.8  
98 60.8 50.8 76.2

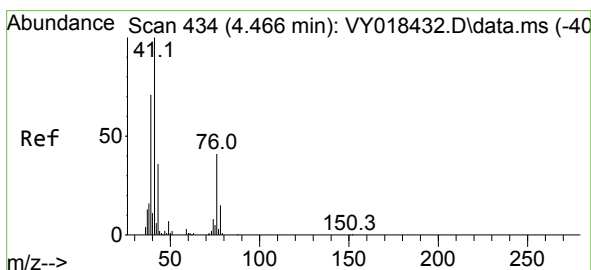
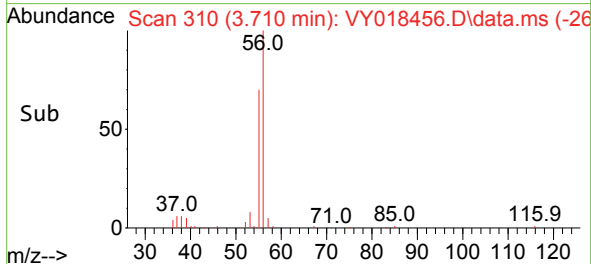
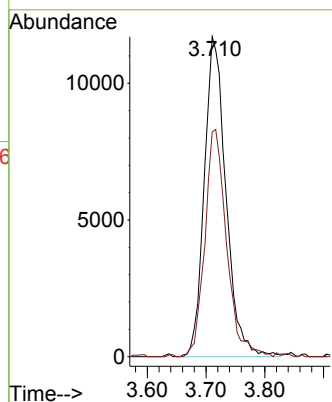
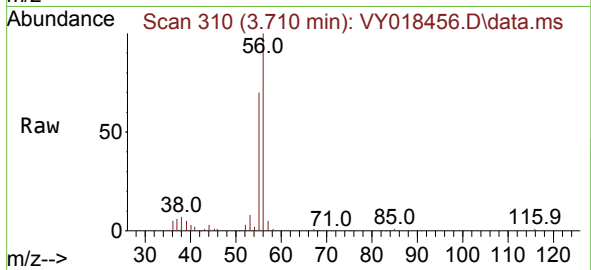




#13  
Acrolein  
Concen: 293.275 ug/l  
RT: 3.710 min Scan# 311  
Delta R.T. -0.006 min  
Lab File: VY018456.D  
Acq: 04 Jun 2024 10:12

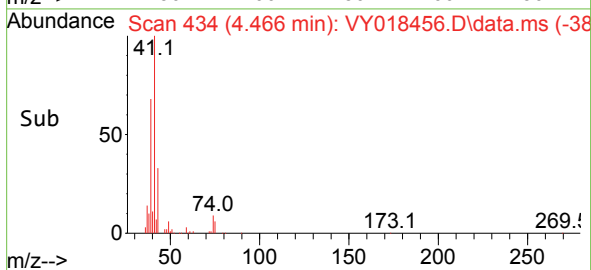
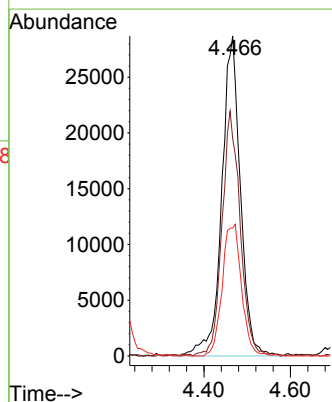
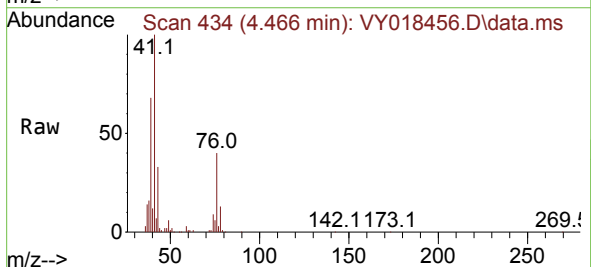
Instrument :  
MSVOA\_Y  
ClientSampleId :

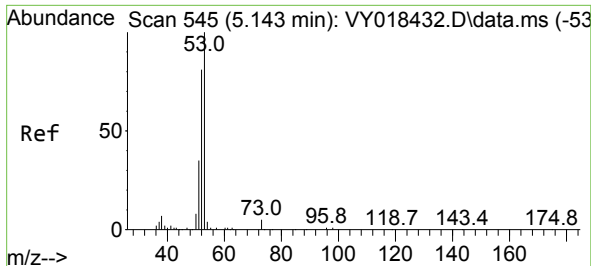
Tgt Ion: 56 Resp: 29967  
Ion Ratio Lower Upper  
56 100  
55 71.2 55.7 83.5



#14  
Allyl chloride  
Concen: 55.221 ug/l  
RT: 4.466 min Scan# 434  
Delta R.T. 0.000 min  
Lab File: VY018456.D  
Acq: 04 Jun 2024 10:12

Tgt Ion: 41 Resp: 86243  
Ion Ratio Lower Upper  
41 100  
39 74.5 58.3 87.5  
76 42.4 39.0 58.6

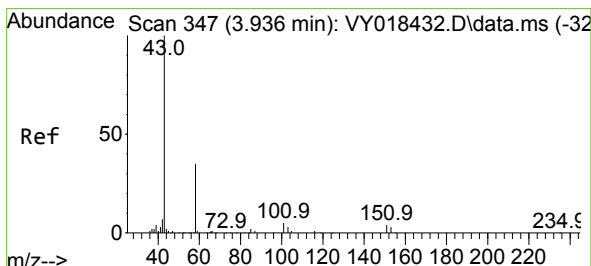
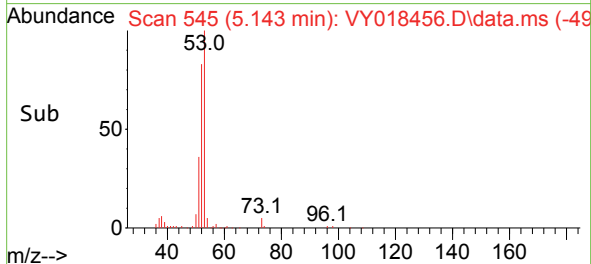
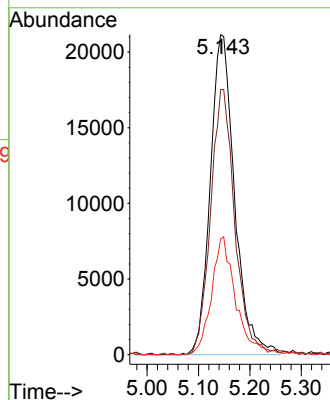
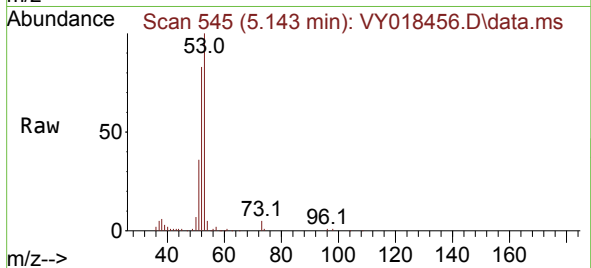




#15  
Acrylonitrile  
Concen: 271.014 ug/l  
RT: 5.143 min Scan# 54  
Delta R.T. 0.000 min  
Lab File: VY018456.D  
Acq: 04 Jun 2024 10:12

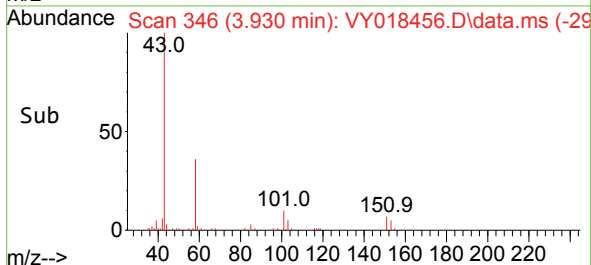
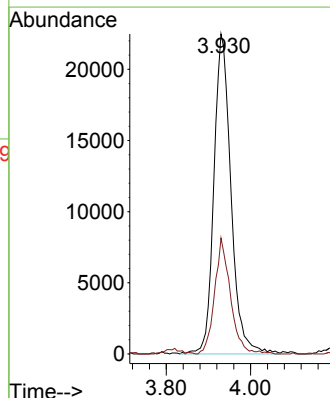
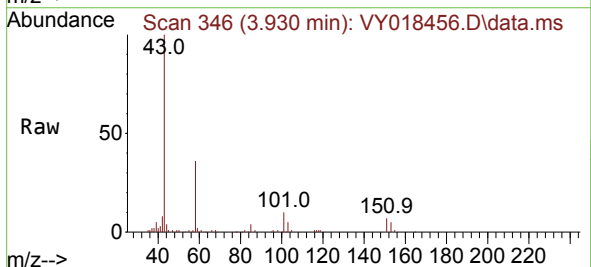
Instrument :  
MSVOA\_Y  
ClientSampleId :

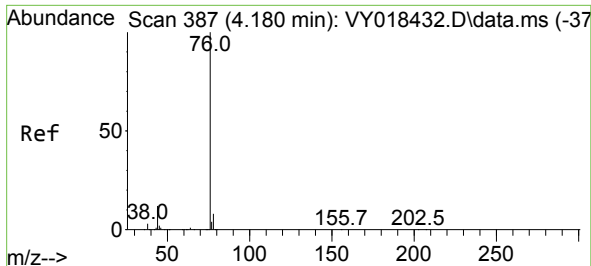
Tgt Ion: 53 Resp: 69483  
Ion Ratio Lower Upper  
53 100  
52 82.2 64.7 97.1  
51 36.2 28.4 42.6



#16  
Acetone  
Concen: 285.795 ug/l  
RT: 3.930 min Scan# 346  
Delta R.T. -0.006 min  
Lab File: VY018456.D  
Acq: 04 Jun 2024 10:12

Tgt Ion: 43 Resp: 63322  
Ion Ratio Lower Upper  
43 100  
58 36.2 31.7 47.5

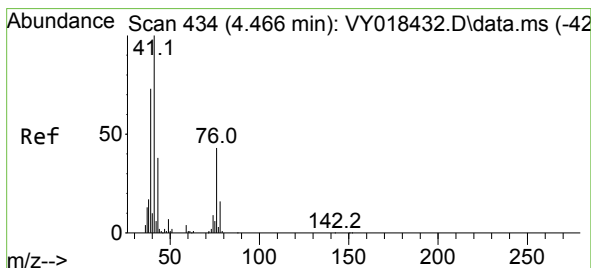
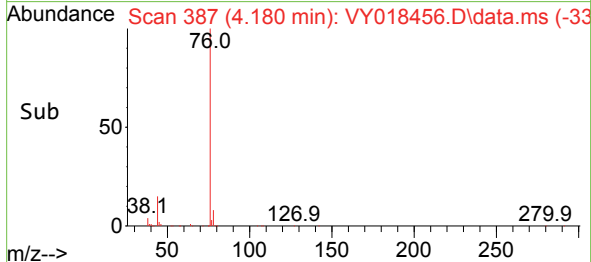
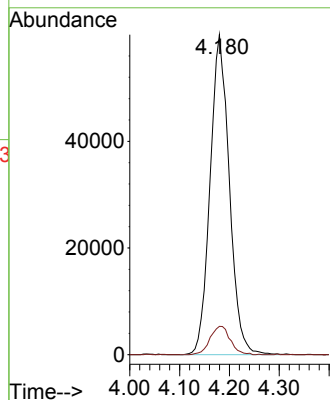
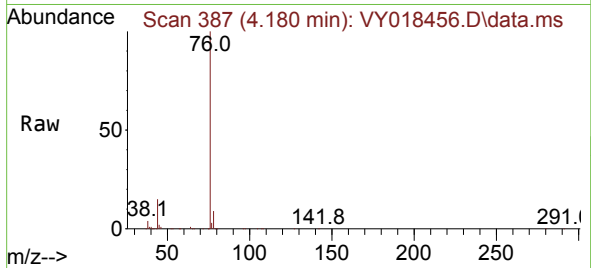




#17  
Carbon Disulfide  
Concen: 51.389 ug/l  
RT: 4.180 min Scan# 387  
Delta R.T. 0.000 min  
Lab File: VY018456.D  
Acq: 04 Jun 2024 10:12

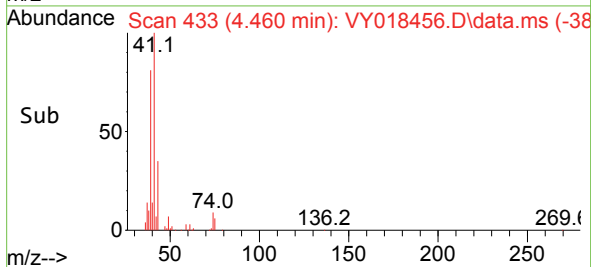
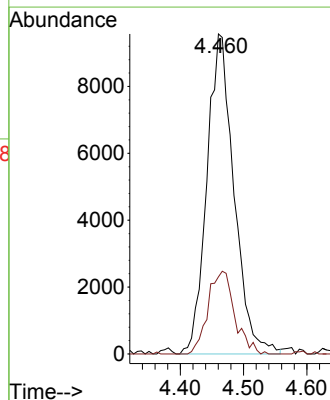
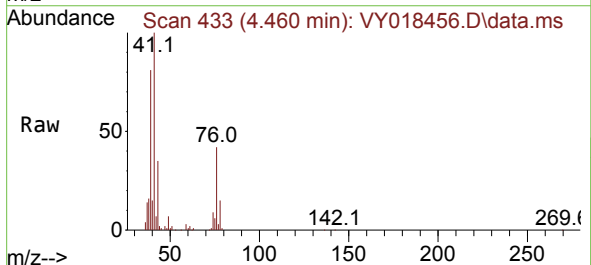
Instrument :  
MSVOA\_Y  
ClientSampleId :

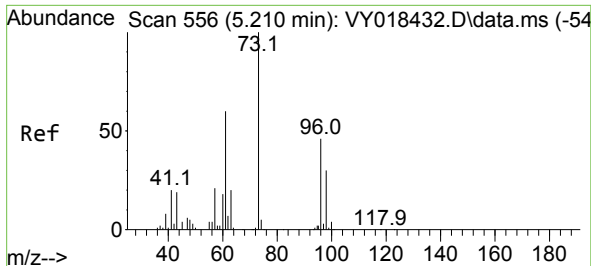
Tgt Ion: 76 Resp: 160757  
Ion Ratio Lower Upper  
76 100  
78 8.9 6.8 10.2



#18  
Methyl Acetate  
Concen: 51.445 ug/l  
RT: 4.460 min Scan# 433  
Delta R.T. -0.006 min  
Lab File: VY018456.D  
Acq: 04 Jun 2024 10:12

Tgt Ion: 43 Resp: 28503  
Ion Ratio Lower Upper  
43 100  
74 25.4 23.3 34.9





#19

Methyl tert-butyl Ether

Concen: 56.000 ug/l

RT: 5.204 min Scan# 51

Delta R.T. -0.006 min

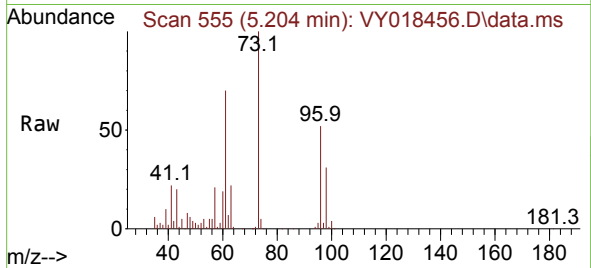
Lab File: VY018456.D

Acq: 04 Jun 2024 10:12

Instrument :

MSVOA\_Y

ClientSampleId :

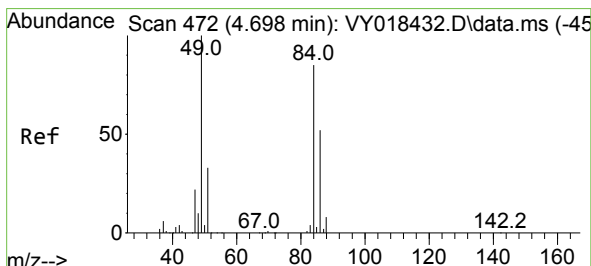
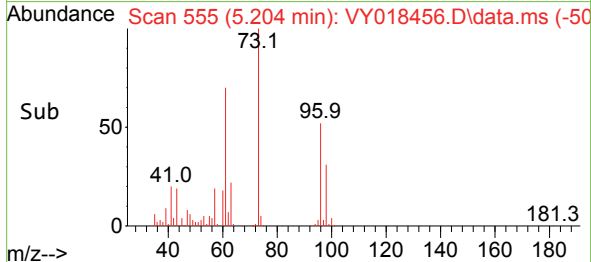
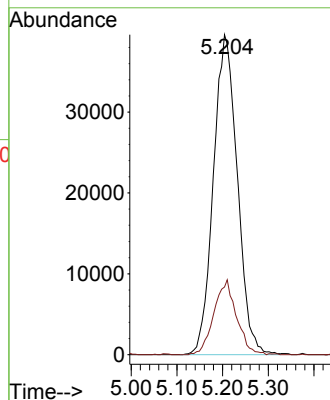


Tgt Ion: 73 Resp: 143925

Ion Ratio Lower Upper

73 100

57 21.2 17.3 25.9



#20

Methylene Chloride

Concen: 51.380 ug/l

RT: 4.698 min Scan# 472

Delta R.T. 0.000 min

Lab File: VY018456.D

Acq: 04 Jun 2024 10:12

Tgt Ion: 84 Resp: 62371

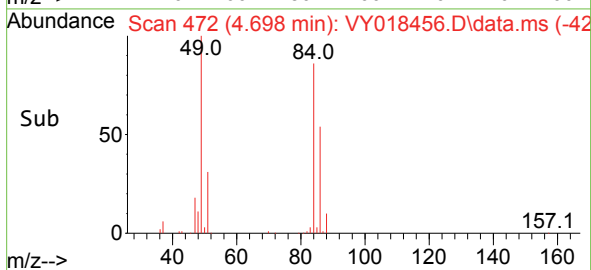
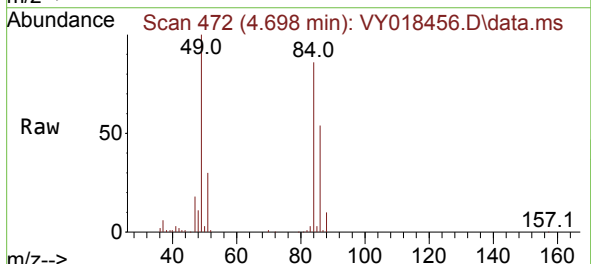
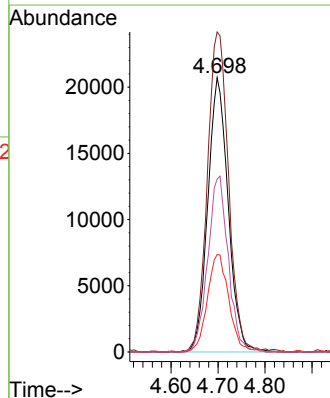
Ion Ratio Lower Upper

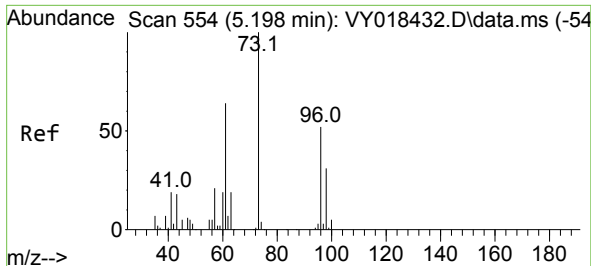
84 100

49 116.7 84.4 126.6

51 35.5 26.0 39.0

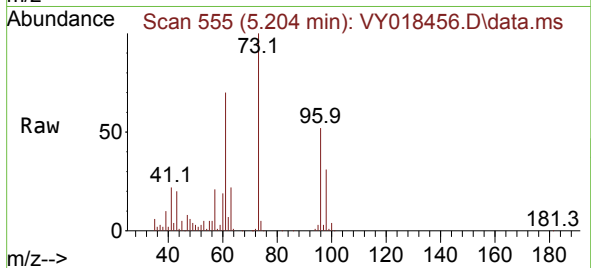
86 63.1 49.5 74.3



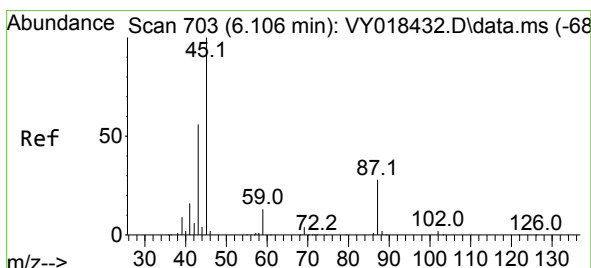
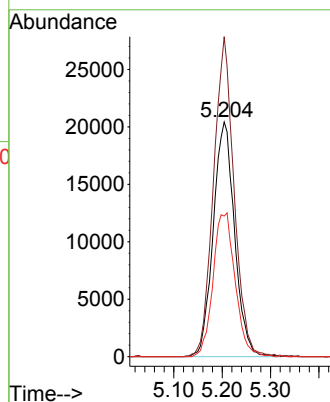
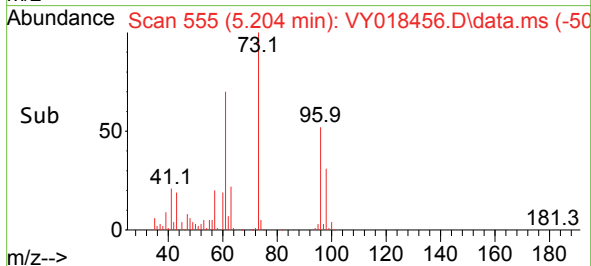


#21  
trans-1,2-Dichloroethene  
Concen: 55.080 ug/l  
RT: 5.204 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VY018456.D  
Acq: 04 Jun 2024 10:12

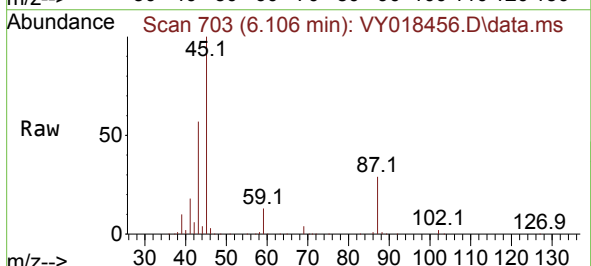
Instrument :  
MSVOA\_Y  
ClientSampleId :



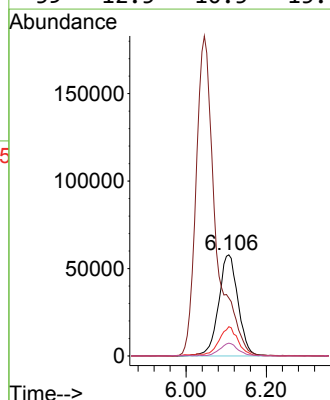
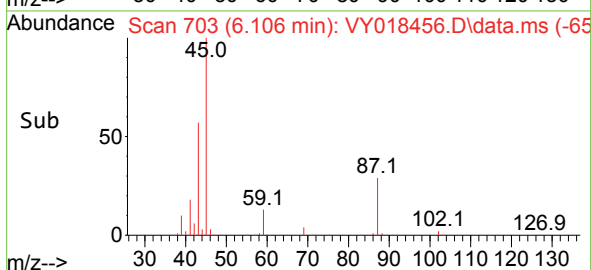
Tgt Ion: 96 Resp: 62681  
Ion Ratio Lower Upper  
96 100  
61 136.3 97.5 146.3  
98 59.9 50.5 75.7

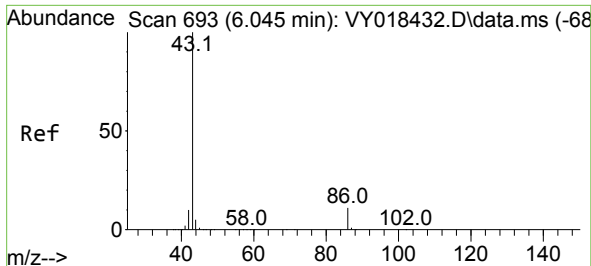


#22  
Diisopropyl ether  
Concen: 61.173 ug/l  
RT: 6.106 min Scan# 703  
Delta R.T. 0.000 min  
Lab File: VY018456.D  
Acq: 04 Jun 2024 10:12



Tgt Ion: 45 Resp: 194565  
Ion Ratio Lower Upper  
45 100  
43 56.9 42.2 63.2  
87 29.0 25.0 37.6  
59 12.5 10.5 15.7

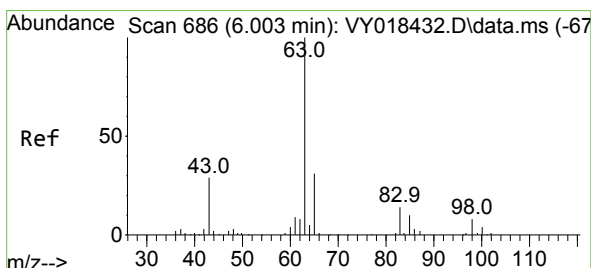
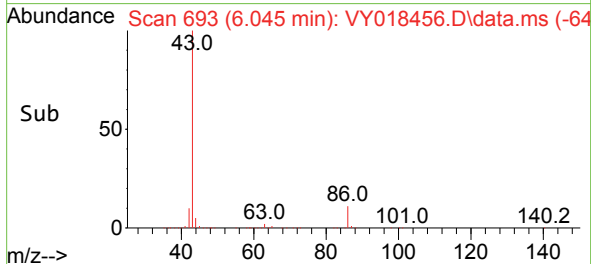
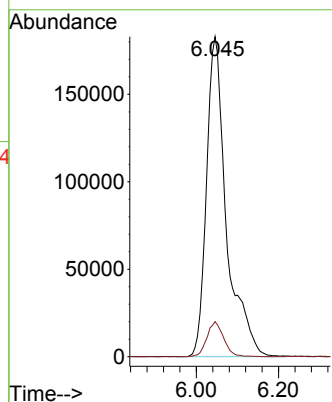
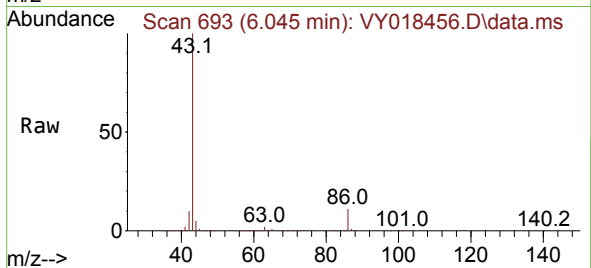




#23  
 Vinyl Acetate  
 Concen: 297.572 ug/l  
 RT: 6.045 min Scan# 693  
 Delta R.T. 0.000 min  
 Lab File: VY018456.D  
 Acq: 04 Jun 2024 10:12

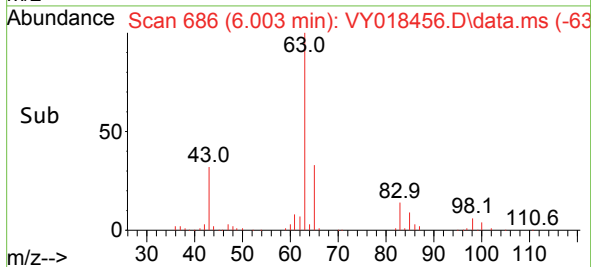
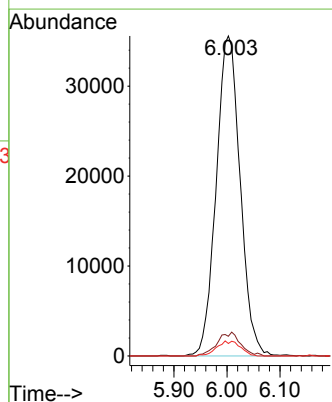
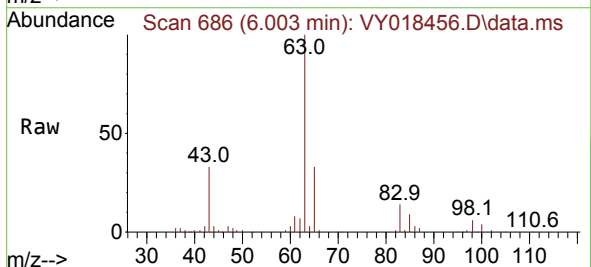
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

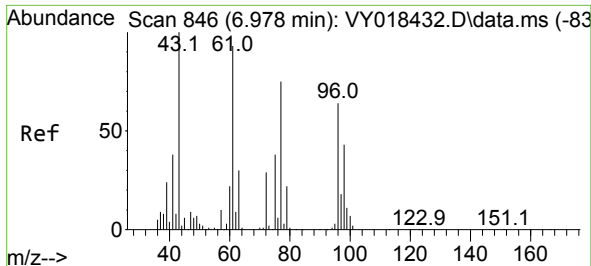
Tgt Ion: 43 Resp: 615950  
 Ion Ratio Lower Upper  
 43 100  
 86 11.0 10.6 16.0



#24  
 1,1-Dichloroethane  
 Concen: 56.278 ug/l  
 RT: 6.003 min Scan# 686  
 Delta R.T. 0.000 min  
 Lab File: VY018456.D  
 Acq: 04 Jun 2024 10:12

Tgt Ion: 63 Resp: 111646  
 Ion Ratio Lower Upper  
 63 100  
 98 6.1 4.0 12.2  
 100 3.9 2.6 8.0

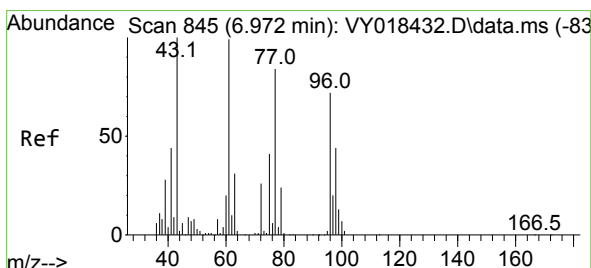
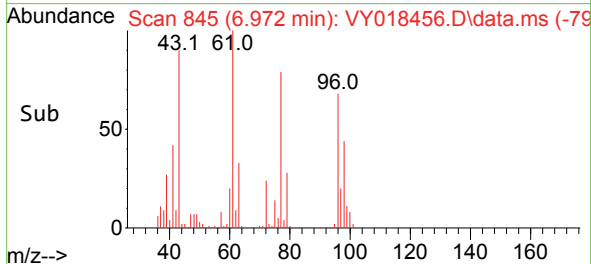
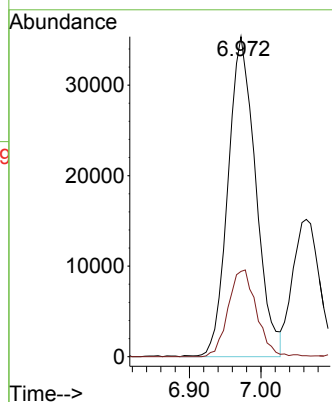
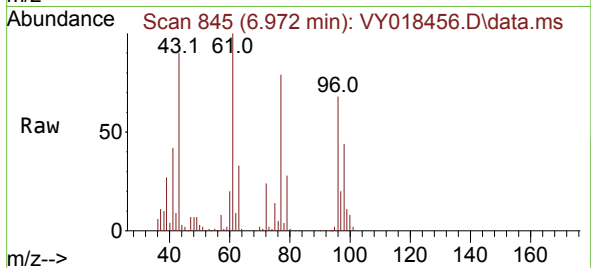




#25  
2-Butanone  
Concen: 279.999 ug/l  
RT: 6.972 min Scan# 84  
Delta R.T. -0.006 min  
Lab File: VY018456.D  
Acq: 04 Jun 2024 10:12

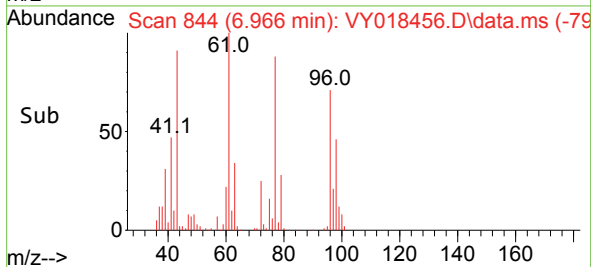
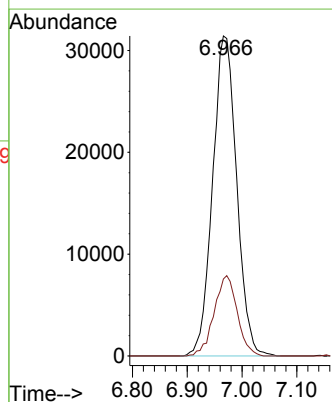
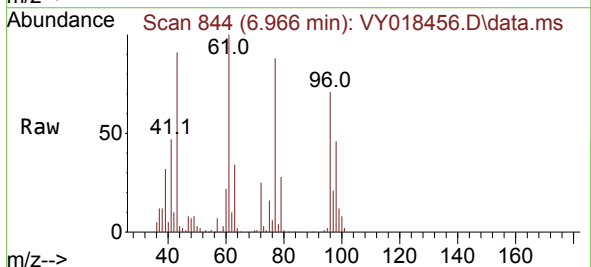
Instrument :  
MSVOA\_Y  
ClientSampleId :

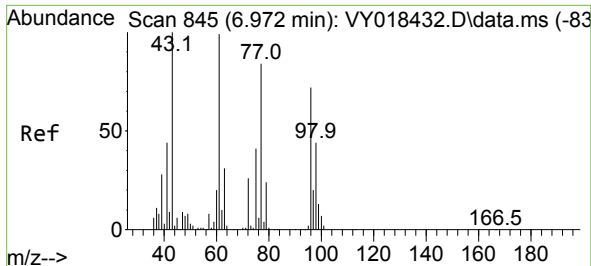
Tgt Ion: 43 Resp: 95039  
Ion Ratio Lower Upper  
43 100  
72 26.7 27.3 40.9#



#26  
2,2-Dichloropropane  
Concen: 54.858 ug/l  
RT: 6.966 min Scan# 844  
Delta R.T. -0.006 min  
Lab File: VY018456.D  
Acq: 04 Jun 2024 10:12

Tgt Ion: 77 Resp: 95650  
Ion Ratio Lower Upper  
77 100  
97 24.2 12.0 36.1





#27

cis-1,2-Dichloroethene

Concen: 56.063 ug/l

RT: 6.978 min Scan# 845

Delta R.T. 0.006 min

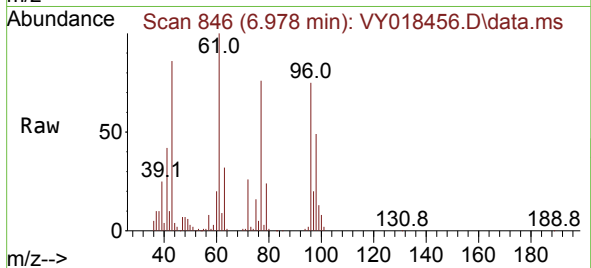
Lab File: VY018456.D

Acq: 04 Jun 2024 10:12

Instrument :

MSVOA\_Y

ClientSampleId :



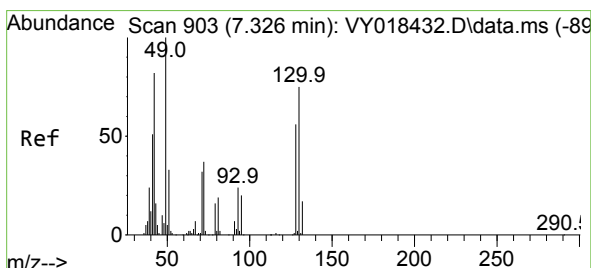
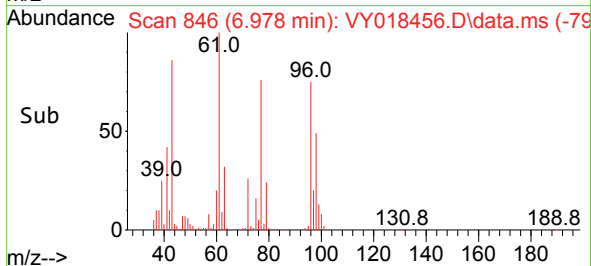
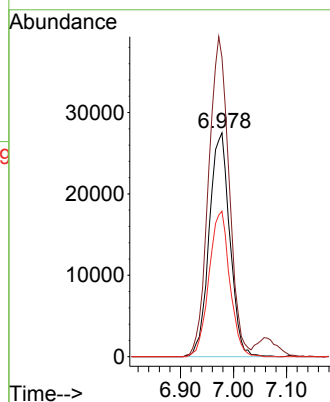
Tgt Ion: 96 Resp: 74214

Ion Ratio Lower Upper

96 100

61 142.4 0.0 256.2

98 65.5 0.0 130.0



#28

Bromochloromethane

Concen: 54.113 ug/l

RT: 7.326 min Scan# 903

Delta R.T. 0.000 min

Lab File: VY018456.D

Acq: 04 Jun 2024 10:12

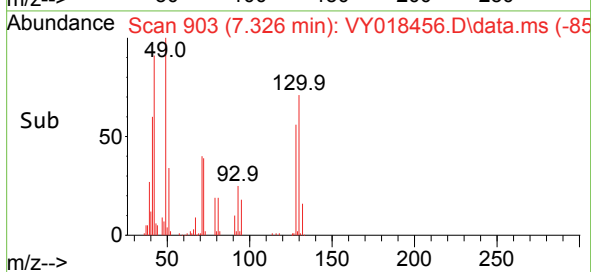
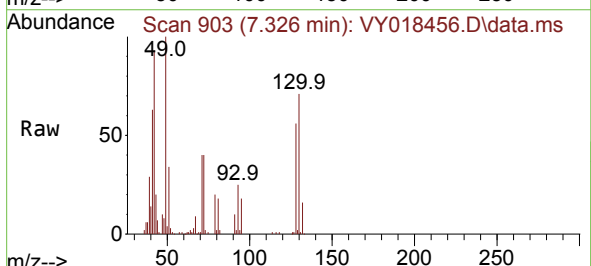
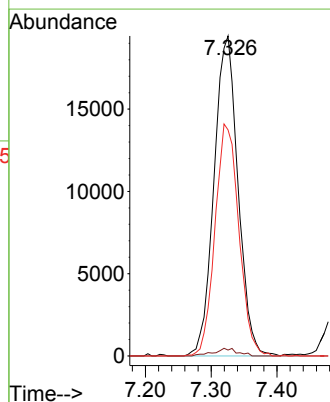
Tgt Ion: 49 Resp: 49401

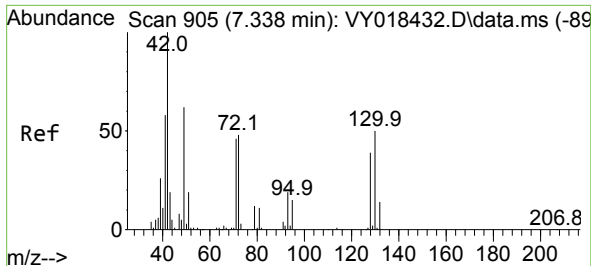
Ion Ratio Lower Upper

49 100

129 2.3 0.0 4.6

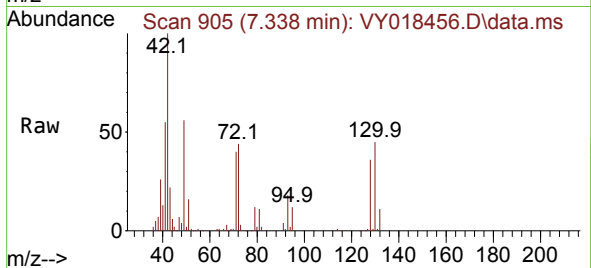
130 72.0 72.7 109.1#



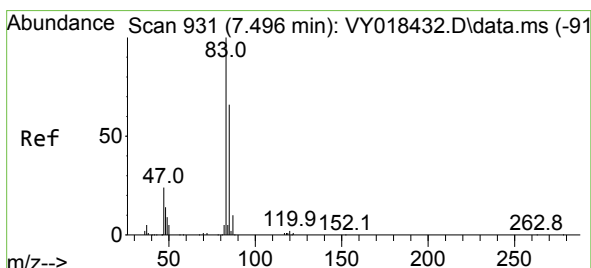
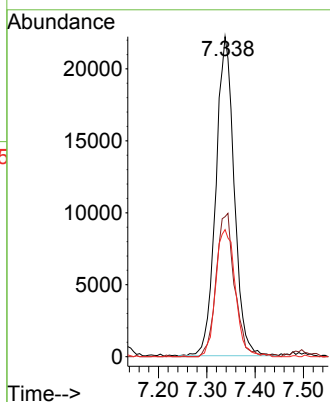
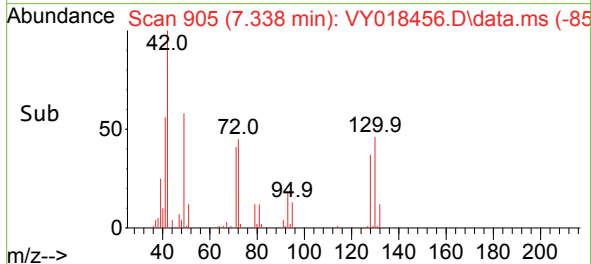


#29  
Tetrahydrofuran  
Concen: 265.203 ug/l  
RT: 7.338 min Scan# 905  
Delta R.T. 0.000 min  
Lab File: VY018456.D  
Acq: 04 Jun 2024 10:12

Instrument :  
MSVOA\_Y  
ClientSampleId :

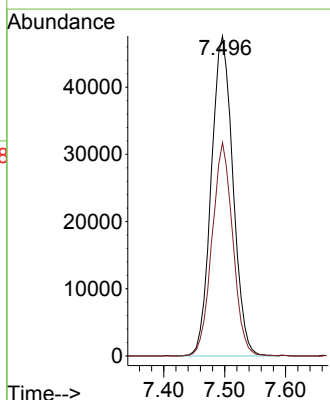
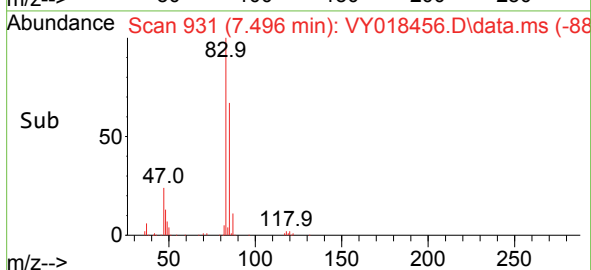
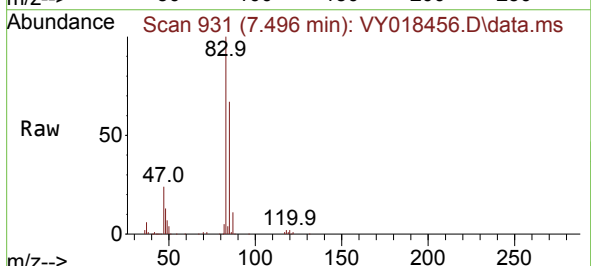


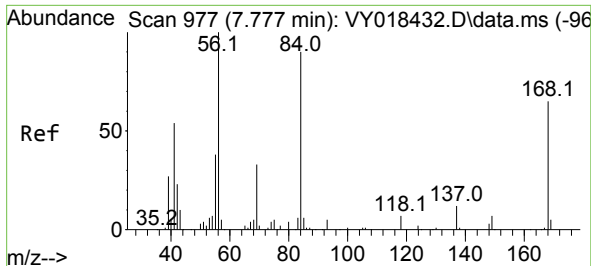
Tgt Ion: 42 Resp: 58460  
Ion Ratio Lower Upper  
42 100  
72 45.8 43.0 64.4  
71 42.7 40.8 61.2



#30  
Chloroform  
Concen: 59.088 ug/l  
RT: 7.496 min Scan# 931  
Delta R.T. 0.000 min  
Lab File: VY018456.D  
Acq: 04 Jun 2024 10:12

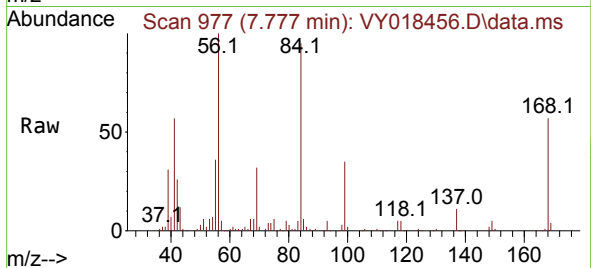
Tgt Ion: 83 Resp: 117568  
Ion Ratio Lower Upper  
83 100  
85 66.7 52.2 78.4



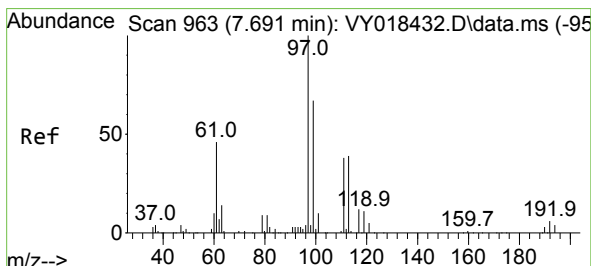
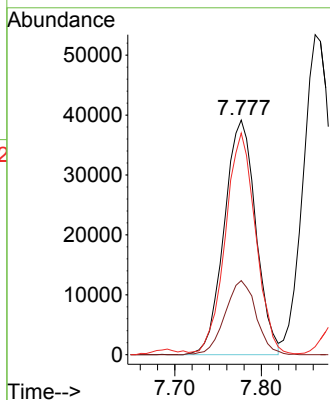
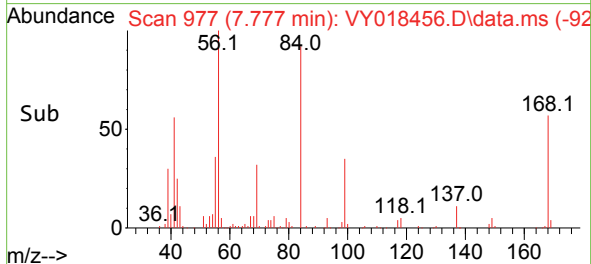


#31  
Cyclohexane  
Concen: 53.338 ug/l  
RT: 7.777 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY018456.D  
Acq: 04 Jun 2024 10:12

Instrument :  
MSVOA\_Y  
ClientSampleId :

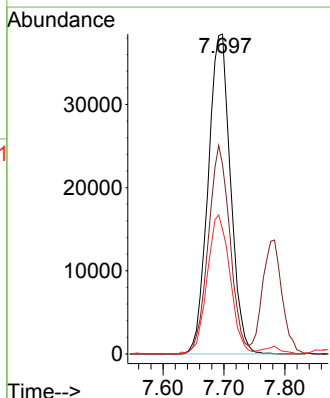
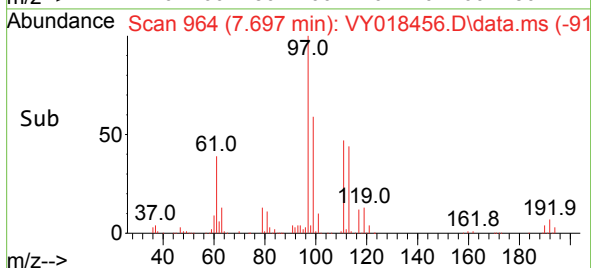
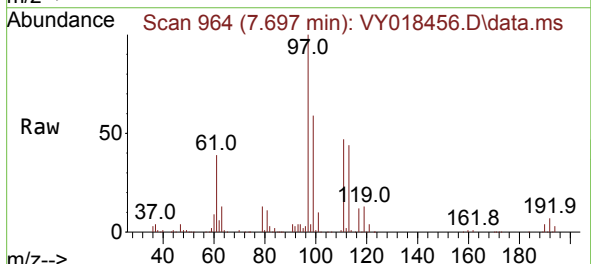


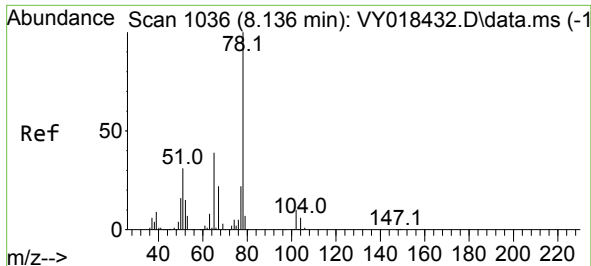
Tgt Ion: 56 Resp: 99275  
Ion Ratio Lower Upper  
56 100  
69 31.6 28.7 43.1  
84 93.5 77.7 116.5



#32  
1,1,1-Trichloroethane  
Concen: 56.353 ug/l  
RT: 7.697 min Scan# 964  
Delta R.T. 0.006 min  
Lab File: VY018456.D  
Acq: 04 Jun 2024 10:12

Tgt Ion: 97 Resp: 98206  
Ion Ratio Lower Upper  
97 100  
99 63.0 50.3 75.5  
61 44.3 32.6 48.8

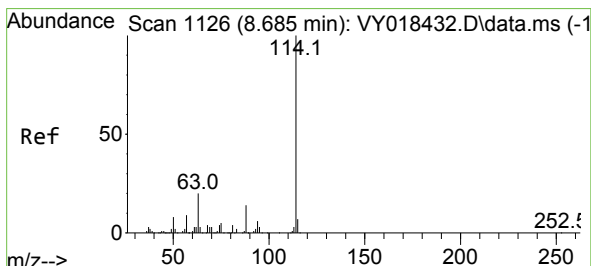
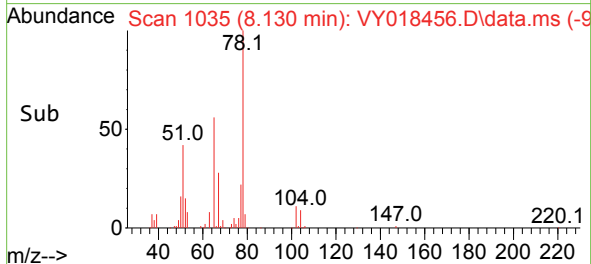
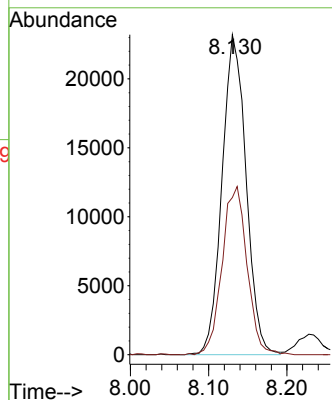
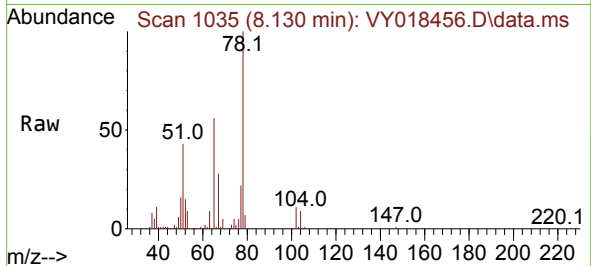




#33  
 1,2-Dichloroethane-d4  
 Concen: 49.632 ug/l  
 RT: 8.130 min Scan# 110  
 Delta R.T. -0.006 min  
 Lab File: VY018456.D  
 Acq: 04 Jun 2024 10:12

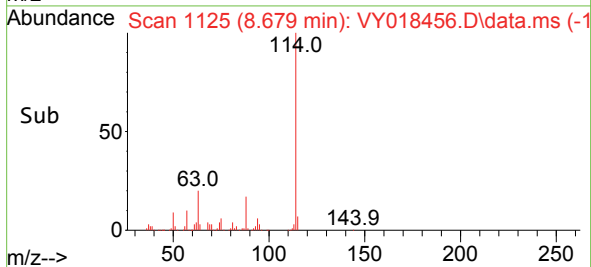
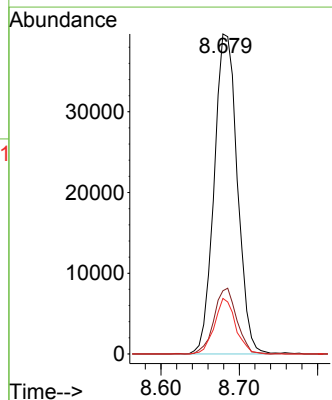
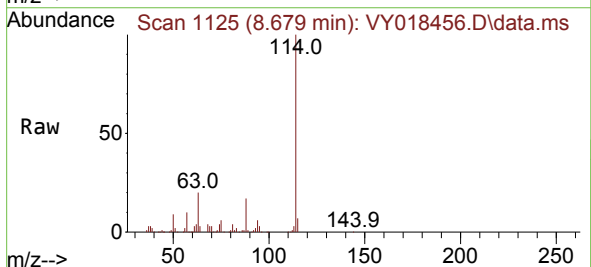
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

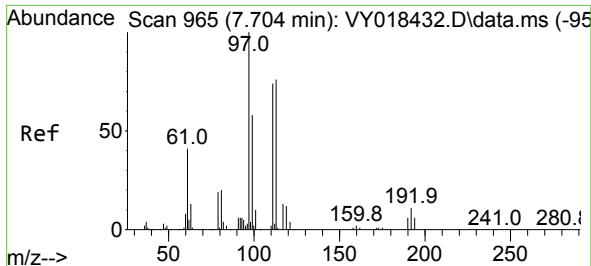
Tgt Ion: 65 Resp: 49546  
 Ion Ratio Lower Upper  
 65 100  
 67 54.4 0.0 109.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.679 min Scan# 1125  
 Delta R.T. -0.006 min  
 Lab File: VY018456.D  
 Acq: 04 Jun 2024 10:12

Tgt Ion: 114 Resp: 81663  
 Ion Ratio Lower Upper  
 114 100  
 63 19.6 0.0 35.0  
 88 17.3 0.0 27.2



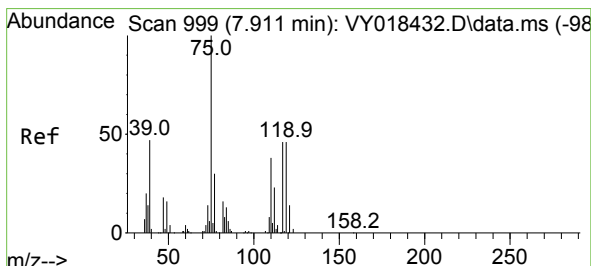
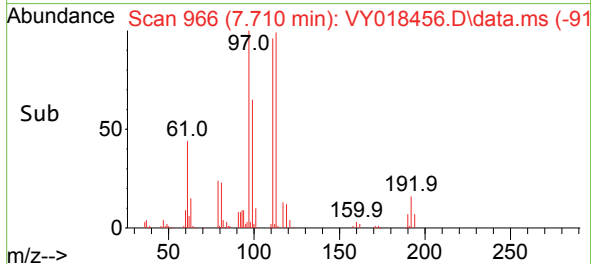
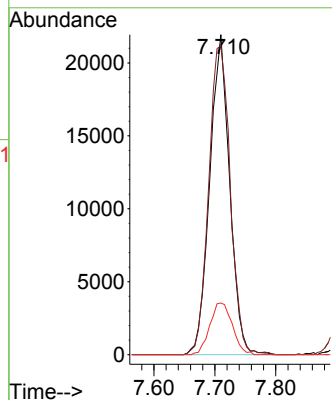
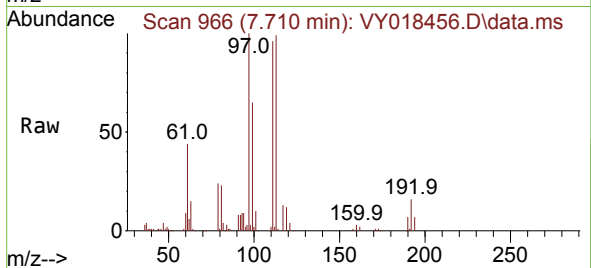


#35  
 Dibromofluoromethane  
 Concen: 48.170 ug/l  
 RT: 7.710 min Scan# 910  
 Delta R.T. 0.006 min  
 Lab File: VY018456.D  
 Acq: 04 Jun 2024 10:12

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Tgt Ion:113 Resp: 49882  

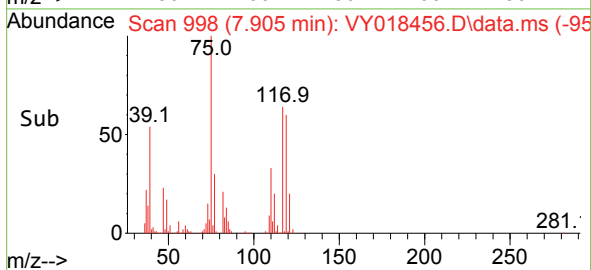
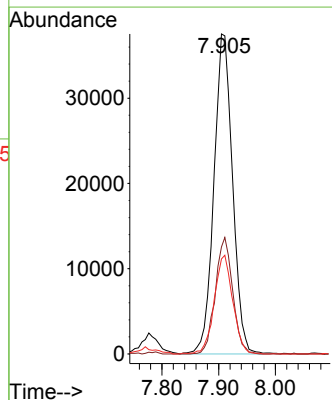
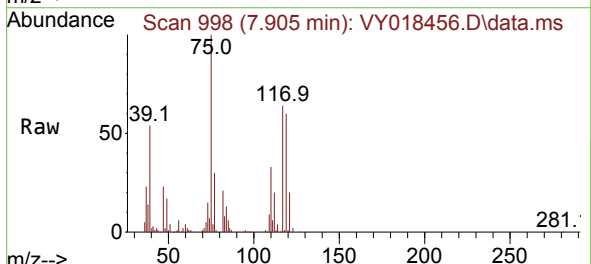
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 104.5 | 82.2  | 123.4 |
| 192 | 18.3  | 15.9  | 23.9  |

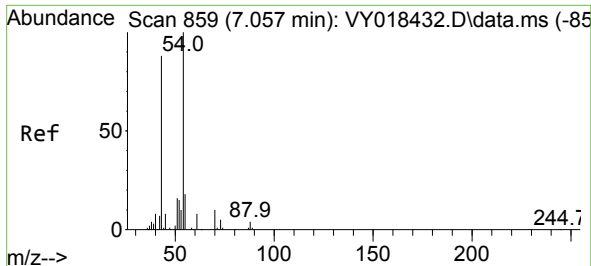


#36  
 1,1-Dichloropropene  
 Concen: 54.373 ug/l  
 RT: 7.905 min Scan# 998  
 Delta R.T. -0.006 min  
 Lab File: VY018456.D  
 Acq: 04 Jun 2024 10:12

Tgt Ion: 75 Resp: 85852  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 110 | 33.9  | 19.0  | 57.0  |
| 77  | 30.7  | 25.3  | 37.9  |

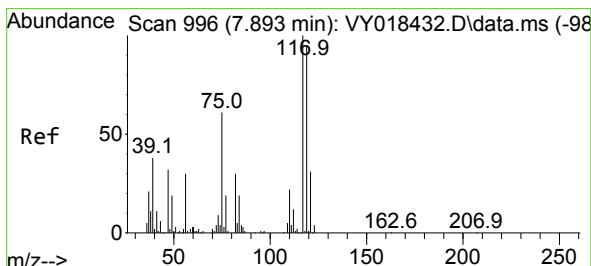
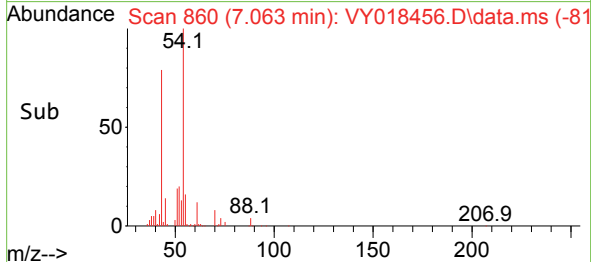
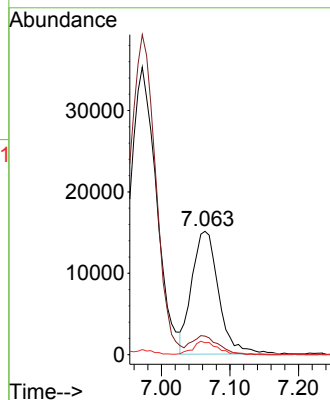
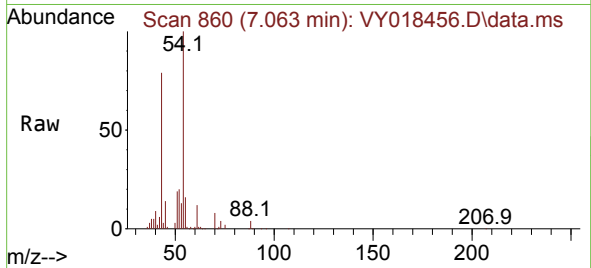




#37  
Ethyl Acetate  
Concen: 51.959 ug/l  
RT: 7.063 min Scan# 80  
Delta R.T. 0.006 min  
Lab File: VY018456.D  
Acq: 04 Jun 2024 10:12

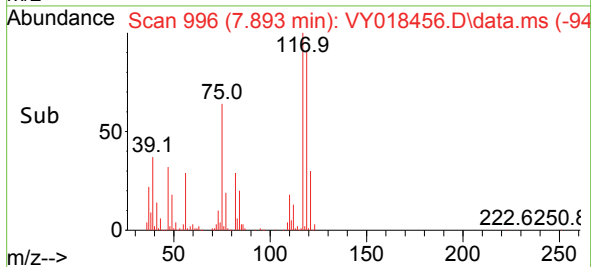
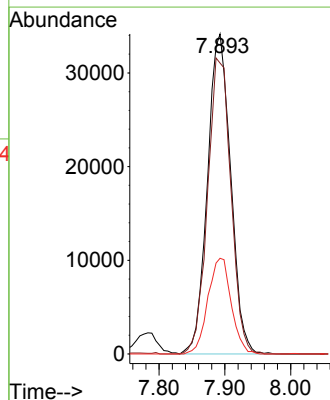
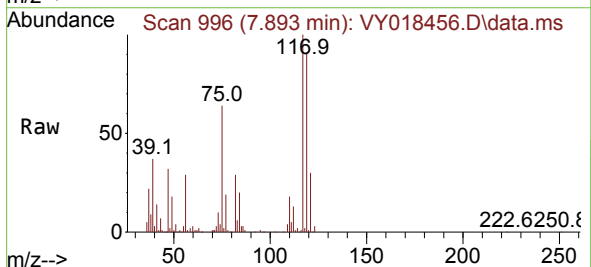
Instrument :  
MSVOA\_Y  
ClientSampleId :

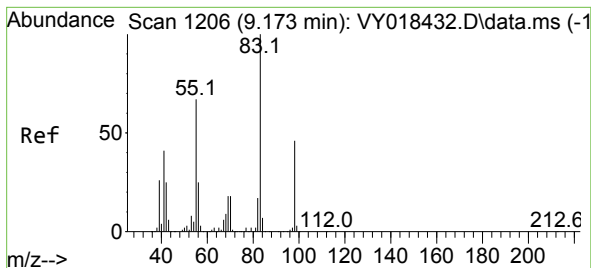
Tgt Ion: 43 Resp: 40985  
Ion Ratio Lower Upper  
43 100  
61 15.5 12.6 19.0  
70 10.3 7.8 11.8



#38  
Carbon Tetrachloride  
Concen: 53.098 ug/l  
RT: 7.893 min Scan# 996  
Delta R.T. 0.000 min  
Lab File: VY018456.D  
Acq: 04 Jun 2024 10:12

Tgt Ion: 117 Resp: 84015  
Ion Ratio Lower Upper  
117 100  
119 90.9 75.8 113.6  
121 29.9 24.0 36.0





#39

Methylcyclohexane

Concen: 52.528 ug/l

RT: 9.179 min Scan# 11

Delta R.T. 0.006 min

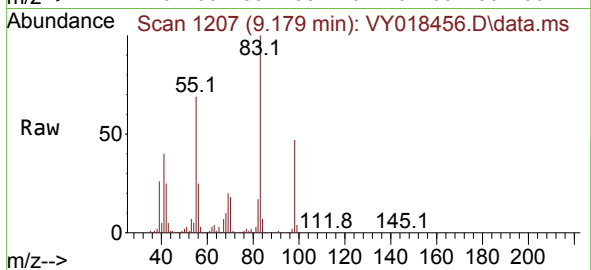
Lab File: VY018456.D

Acq: 04 Jun 2024 10:12

Instrument :

MSVOA\_Y

ClientSampleId :



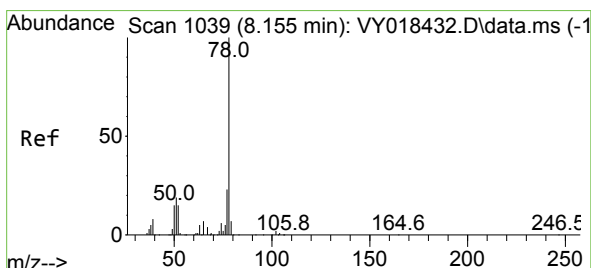
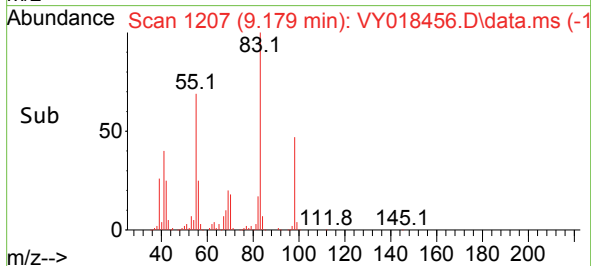
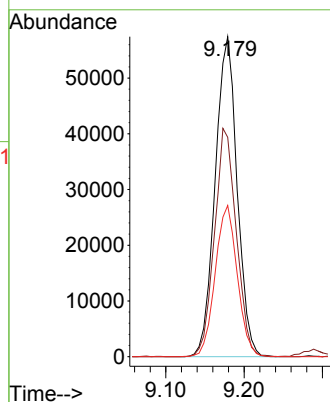
Tgt Ion: 83 Resp: 112121

Ion Ratio Lower Upper

83 100

55 68.6 51.5 77.3

98 47.2 40.5 60.7



#40

Benzene

Concen: 55.685 ug/l

RT: 8.155 min Scan# 1039

Delta R.T. 0.000 min

Lab File: VY018456.D

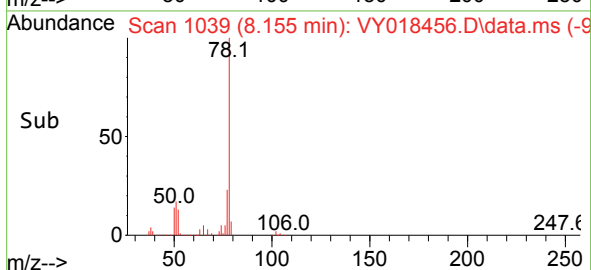
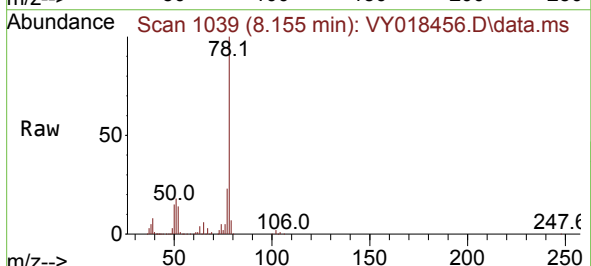
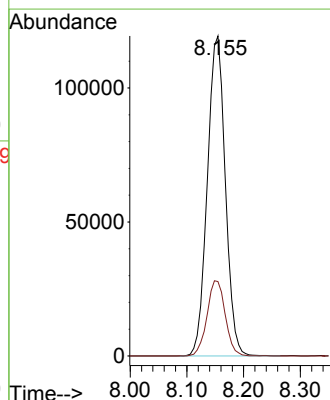
Acq: 04 Jun 2024 10:12

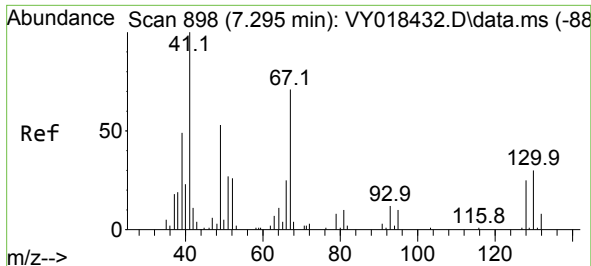
Tgt Ion: 78 Resp: 263445

Ion Ratio Lower Upper

78 100

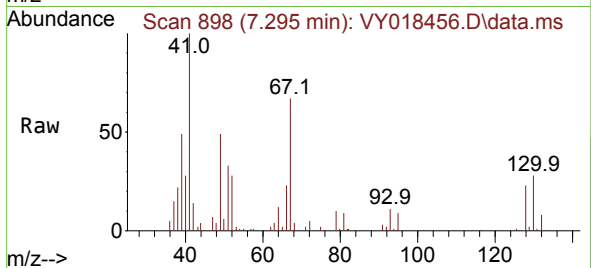
77 23.3 19.5 29.3



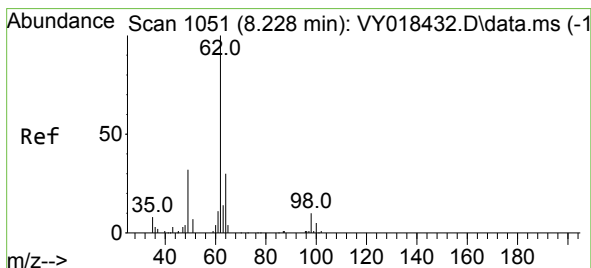
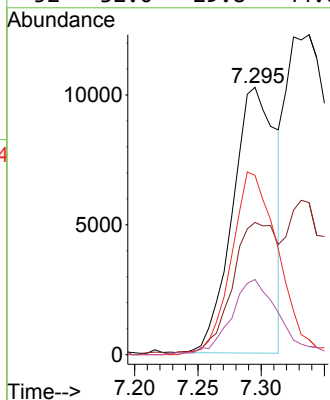
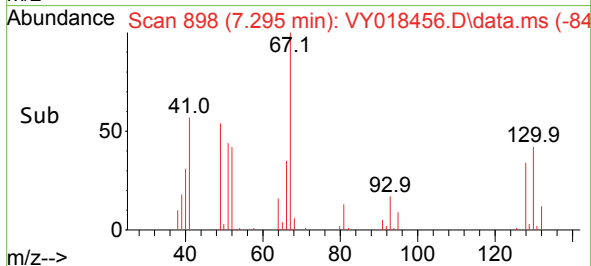


#41  
Methacrylonitrile  
Concen: 63.282 ug/l  
RT: 7.295 min Scan# 898  
Delta R.T. 0.000 min  
Lab File: VY018456.D  
Acq: 04 Jun 2024 10:12

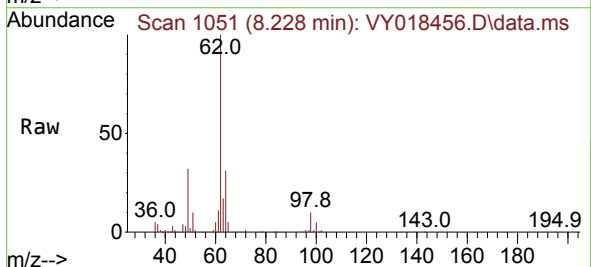
Instrument :  
MSVOA\_Y  
ClientSampleId :



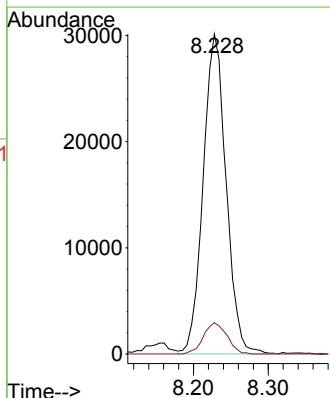
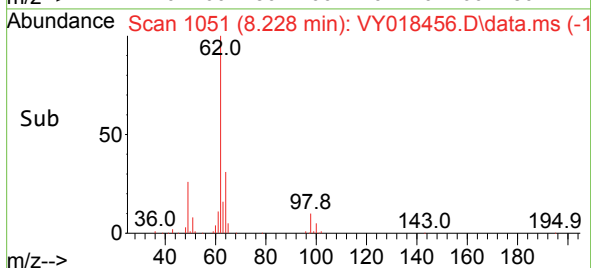
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 41    | Resp: | 24280  |
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 39        | 52.0  | 48.0  | 72.0   |
| 67        | 75.1  | 75.1  | 112.7# |
| 52        | 32.0  | 29.8  | 44.6   |

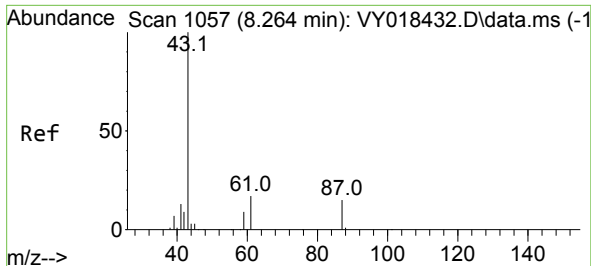


#42  
1,2-Dichloroethane  
Concen: 55.808 ug/l  
RT: 8.228 min Scan# 1051  
Delta R.T. 0.000 min  
Lab File: VY018456.D  
Acq: 04 Jun 2024 10:12



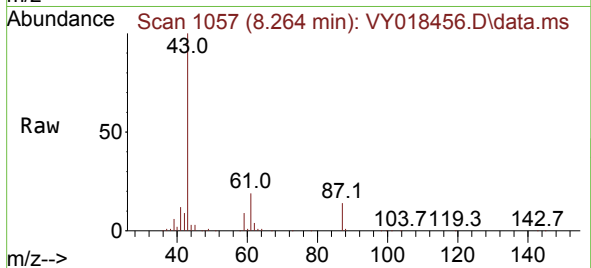
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 62    | Resp: | 64190 |
| Ion Ratio | Lower | Upper |       |
| 62        | 100   |       |       |
| 98        | 10.0  | 0.0   | 22.0  |



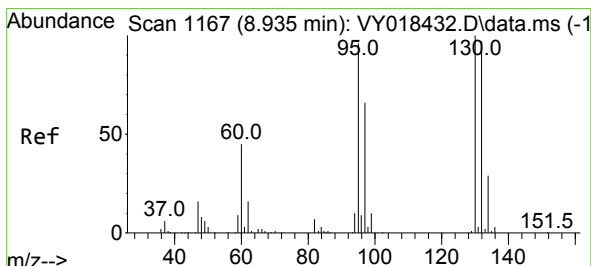
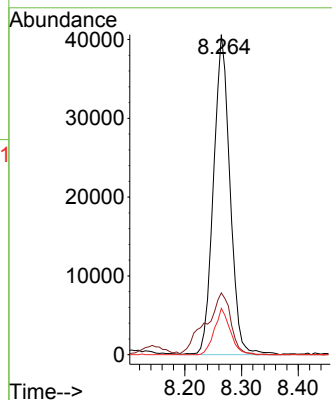
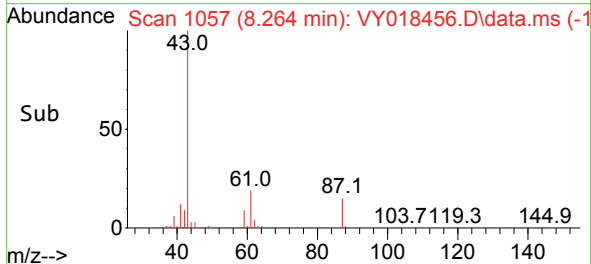


#43  
Isopropyl Acetate  
Concen: 55.615 ug/l  
RT: 8.264 min Scan# 1057  
Delta R.T. 0.000 min  
Lab File: VY018456.D  
Acq: 04 Jun 2024 10:12

Instrument :  
MSVOA\_Y  
ClientSampleId :

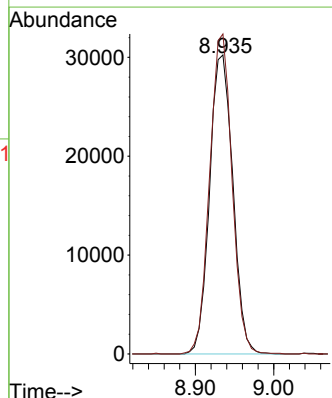
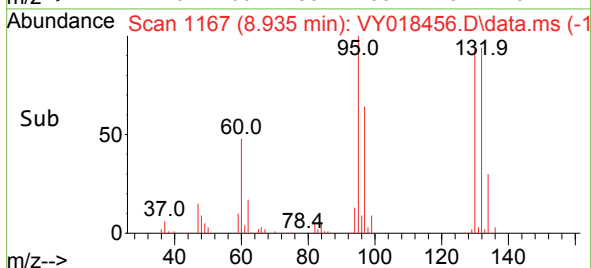
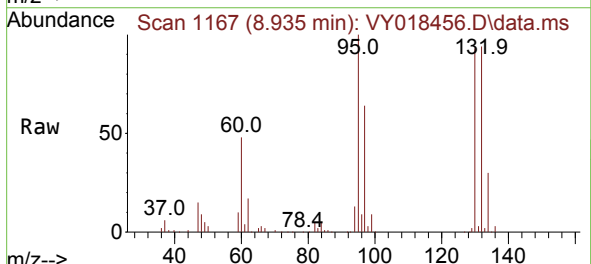


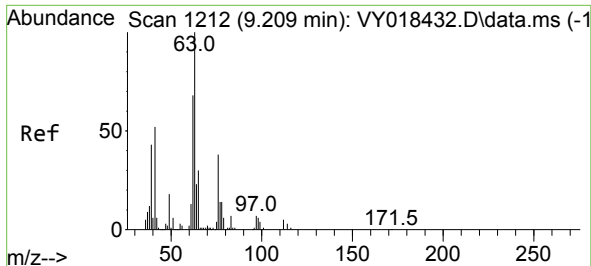
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 29.2  | 27.9  | 41.9  |
| 87      | 14.0  | 13.1  | 19.7  |



#44  
Trichloroethene  
Concen: 53.130 ug/l  
RT: 8.935 min Scan# 1167  
Delta R.T. 0.000 min  
Lab File: VY018456.D  
Acq: 04 Jun 2024 10:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 107.0 | 0.0   | 188.0 |





#45

1,2-Dichloropropane

Concen: 56.621 ug/l

RT: 9.209 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY018456.D

Acq: 04 Jun 2024 10:12

Instrument :

MSVOA\_Y

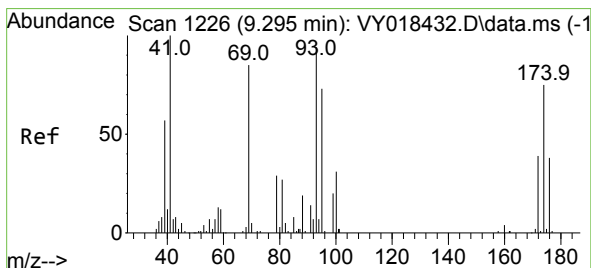
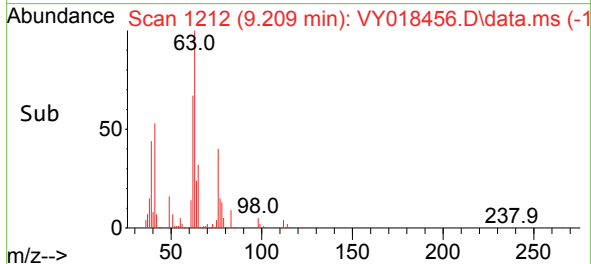
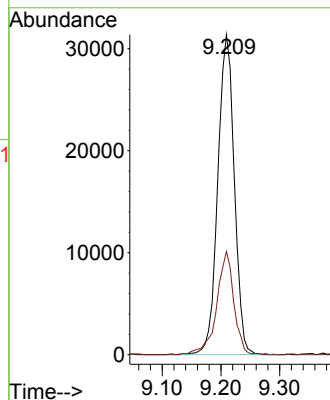
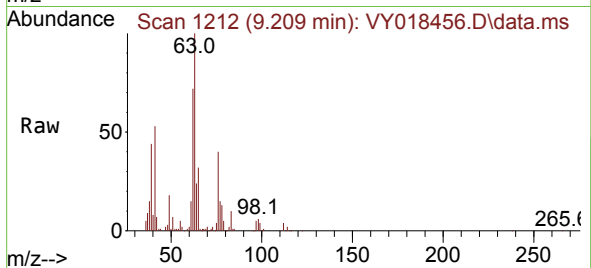
ClientSampleId :

Tgt Ion: 63 Resp: 61261

Ion Ratio Lower Upper

63 100

65 32.2 25.4 38.2



#46

Dibromomethane

Concen: 55.186 ug/l

RT: 9.301 min Scan# 1227

Delta R.T. 0.006 min

Lab File: VY018456.D

Acq: 04 Jun 2024 10:12

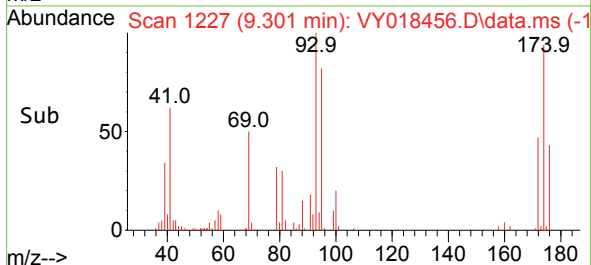
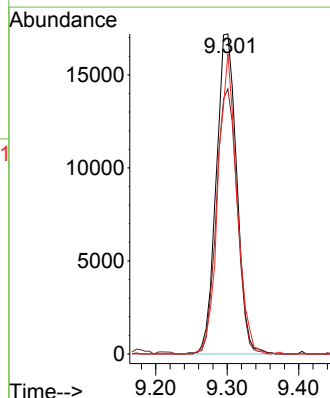
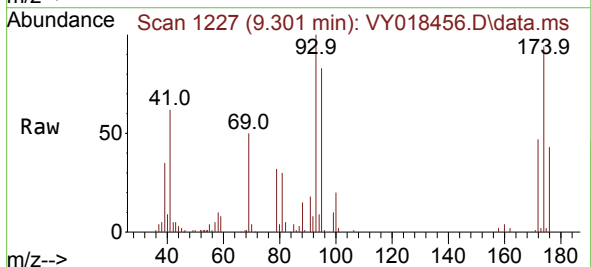
Tgt Ion: 93 Resp: 34233

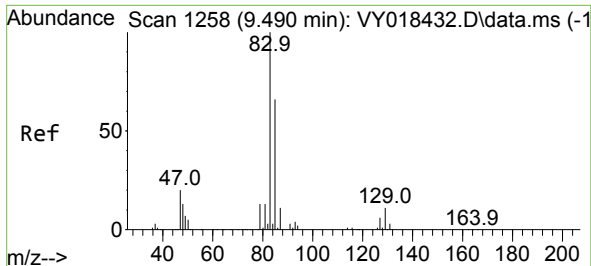
Ion Ratio Lower Upper

93 100

95 83.8 66.2 99.4

174 86.1 80.9 121.3

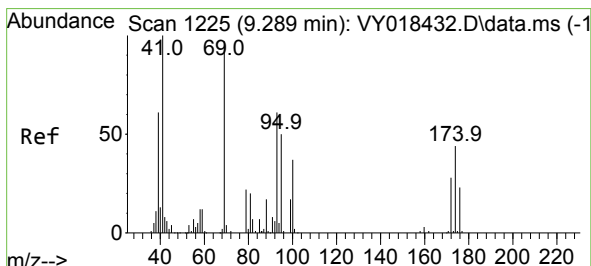
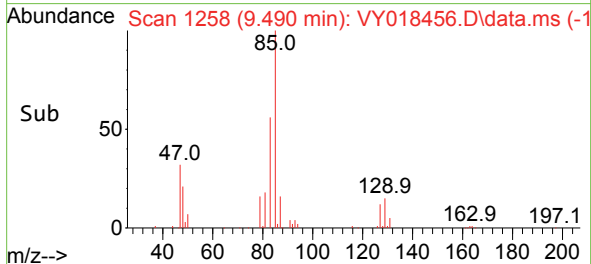
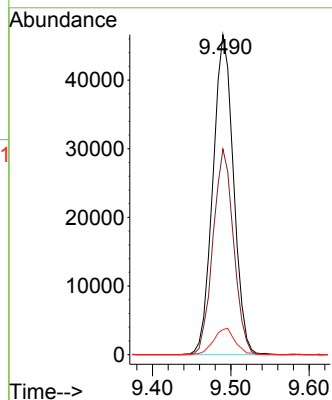
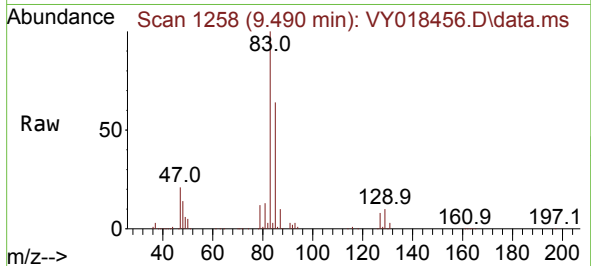




#47  
Bromodichloromethane  
Concen: 57.242 ug/l  
RT: 9.490 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY018456.D  
Acq: 04 Jun 2024 10:12

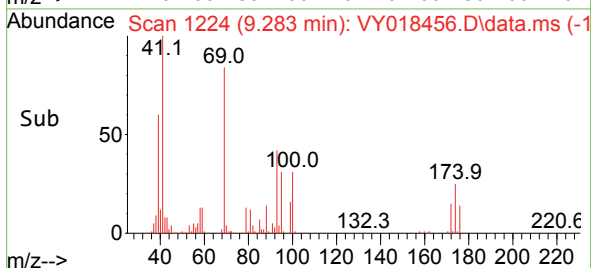
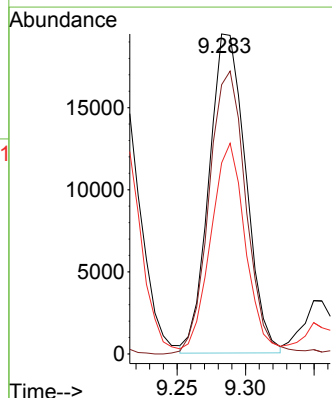
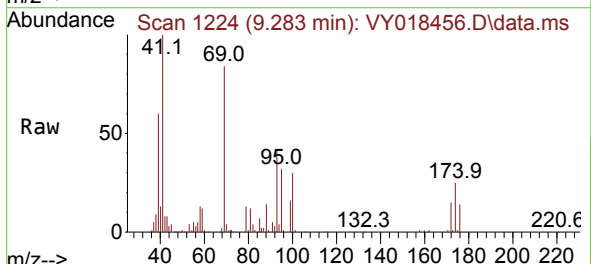
Instrument :  
MSVOA\_Y  
ClientSampleId :

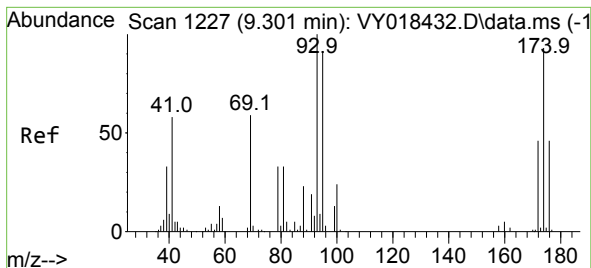
Tgt Ion: 83 Resp: 85236  
Ion Ratio Lower Upper  
83 100  
85 64.3 50.1 75.1  
127 7.8 7.4 11.0



#48  
Methyl methacrylate  
Concen: 53.457 ug/l  
RT: 9.283 min Scan# 1224  
Delta R.T. -0.006 min  
Lab File: VY018456.D  
Acq: 04 Jun 2024 10:12

Tgt Ion: 41 Resp: 36275  
Ion Ratio Lower Upper  
41 100  
69 90.0 84.1 126.1  
39 59.4 43.6 65.4





#49

1,4-Dioxane

Concen: 1020.614 ug/l

RT: 9.289 min Scan# 11

Delta R.T. -0.012 min

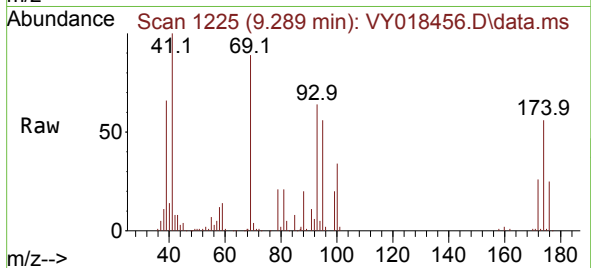
Lab File: VY018456.D

Acq: 04 Jun 2024 10:12

Instrument :

MSVOA\_Y

ClientSampleId :



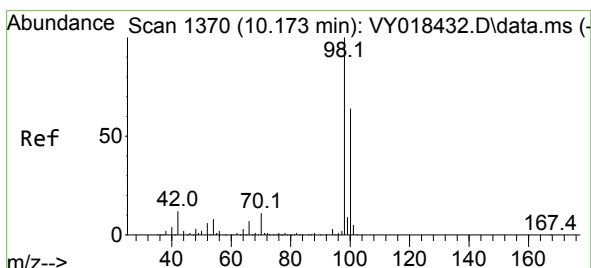
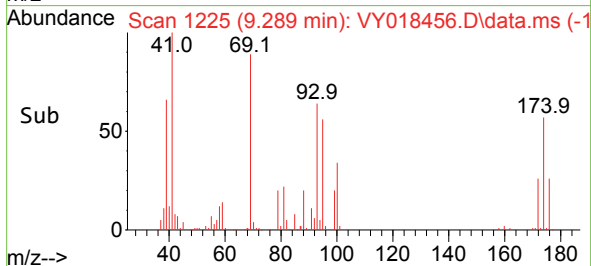
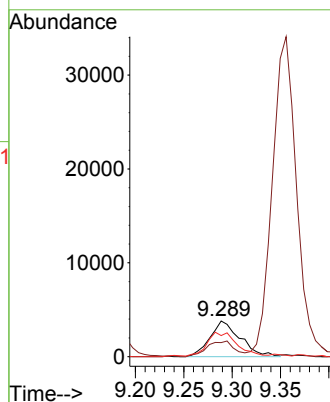
Tgt Ion: 88 Resp: 8314

Ion Ratio Lower Upper

88 100

43 39.6 0.0 0.0#

58 70.0 49.3 73.9



#50

Toluene-d8

Concen: 49.038 ug/l

RT: 10.173 min Scan# 1370

Delta R.T. 0.000 min

Lab File: VY018456.D

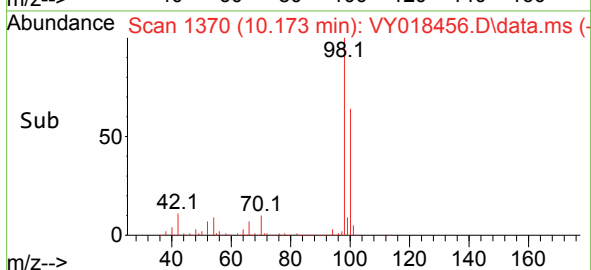
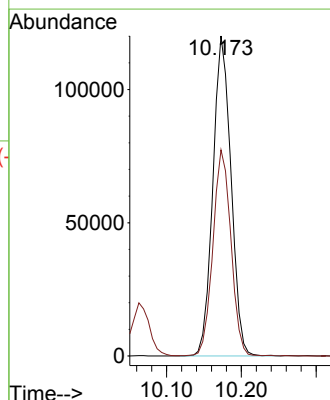
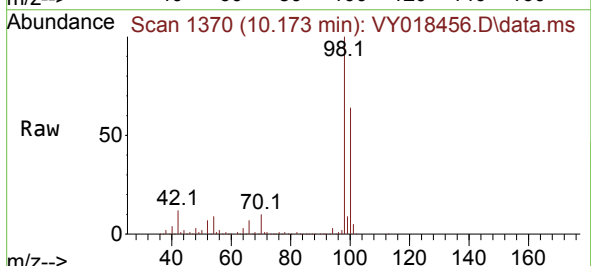
Acq: 04 Jun 2024 10:12

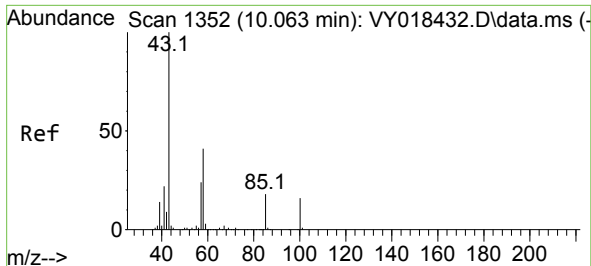
Tgt Ion: 98 Resp: 202021

Ion Ratio Lower Upper

98 100

100 64.1 52.0 78.0

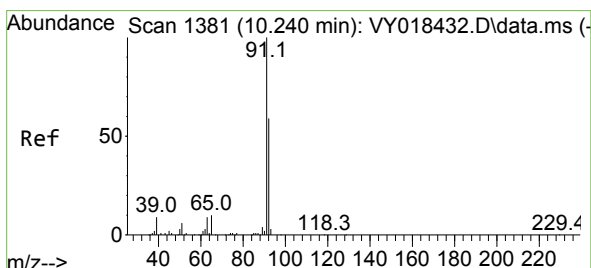
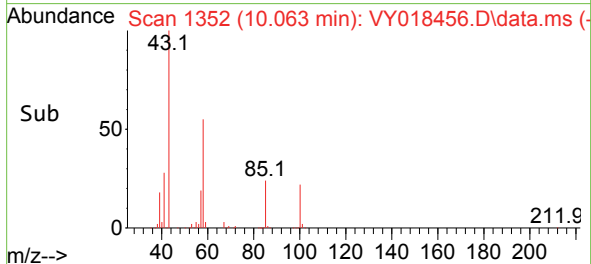
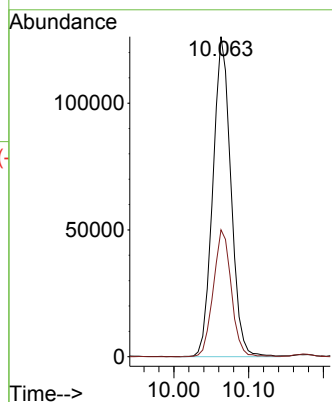
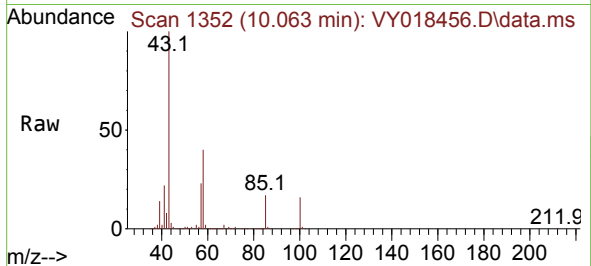




#51  
4-Methyl-2-Pentanone  
Concen: 276.745 ug/l  
RT: 10.063 min Scan# 1352  
Delta R.T. 0.000 min  
Lab File: VY018456.D  
Acq: 04 Jun 2024 10:12

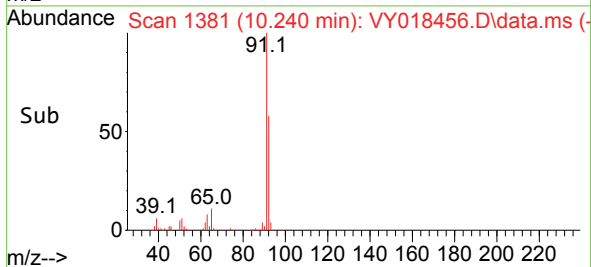
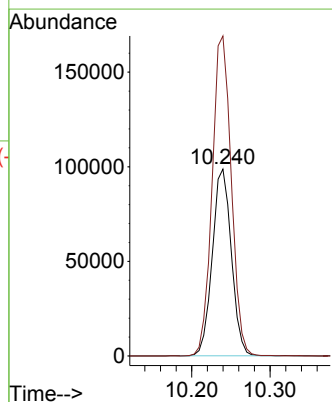
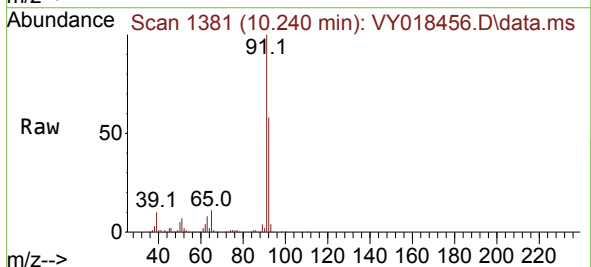
Instrument :  
MSVOA\_Y  
ClientSampleId :

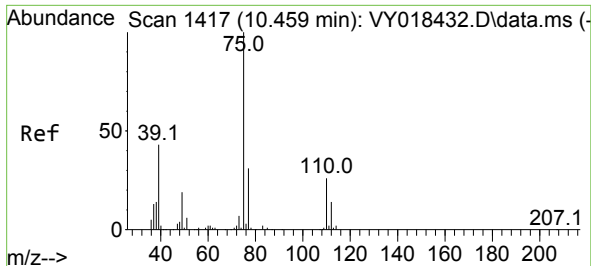
Tgt Ion: 43 Resp: 211948  
Ion Ratio Lower Upper  
43 100  
58 39.6 35.7 53.5



#52  
Toluene  
Concen: 57.204 ug/l  
RT: 10.240 min Scan# 1381  
Delta R.T. 0.000 min  
Lab File: VY018456.D  
Acq: 04 Jun 2024 10:12

Tgt Ion: 92 Resp: 166452  
Ion Ratio Lower Upper  
92 100  
91 172.6 139.0 208.6

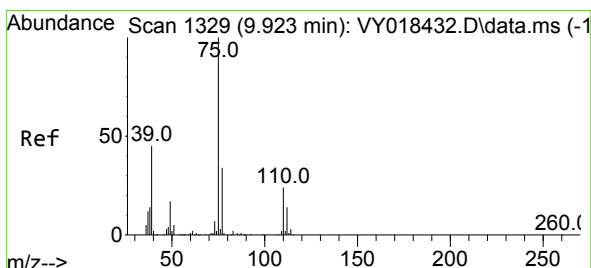
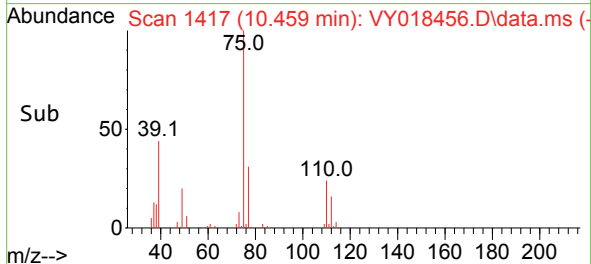
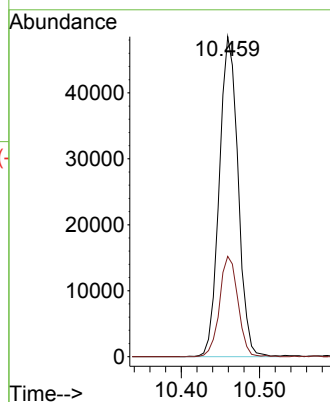
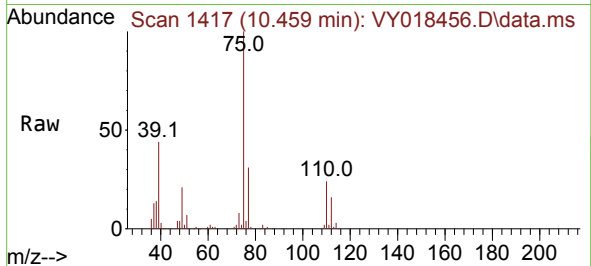




#53  
t-1,3-Dichloropropene  
Concen: 59.218 ug/l  
RT: 10.459 min Scan# 1417  
Delta R.T. 0.000 min  
Lab File: VY018456.D  
Acq: 04 Jun 2024 10:12

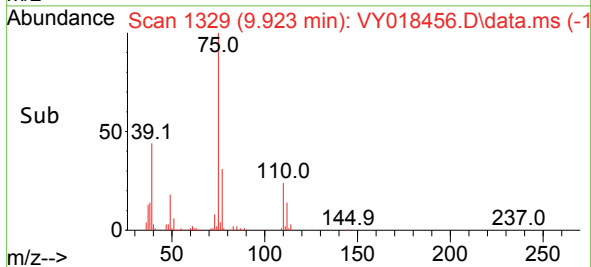
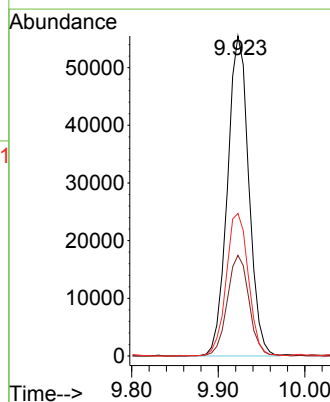
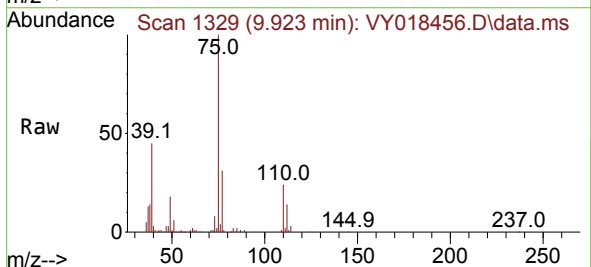
Instrument :  
MSVOA\_Y  
ClientSampleId :

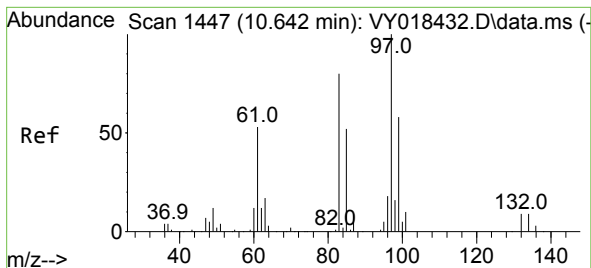
Tgt Ion: 75 Resp: 80977  
Ion Ratio Lower Upper  
75 100  
77 31.3 24.1 36.1



#54  
cis-1,3-Dichloropropene  
Concen: 56.512 ug/l  
RT: 9.923 min Scan# 1329  
Delta R.T. 0.000 min  
Lab File: VY018456.D  
Acq: 04 Jun 2024 10:12

Tgt Ion: 75 Resp: 95149  
Ion Ratio Lower Upper  
75 100  
77 31.4 25.4 38.0  
39 44.4 29.8 44.6





#55

1,1,2-Trichloroethane

Concen: 57.318 ug/l

RT: 10.642 min Scan# 1447

Delta R.T. 0.000 min

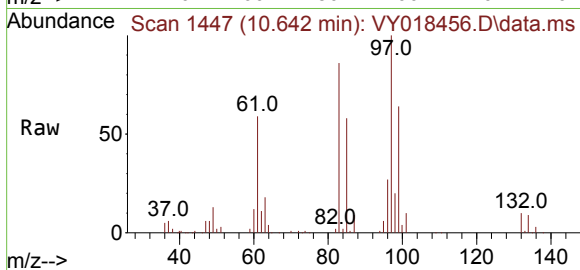
Lab File: VY018456.D

Acq: 04 Jun 2024 10:12

Instrument :

MSVOA\_Y

ClientSampleId :



Tgt Ion: 97 Resp: 46259

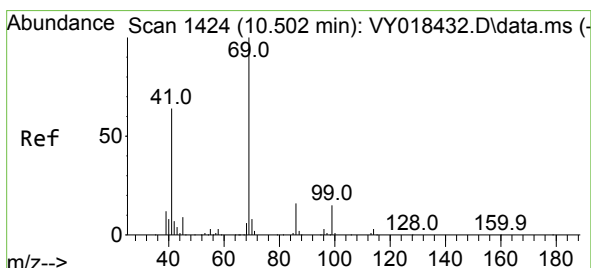
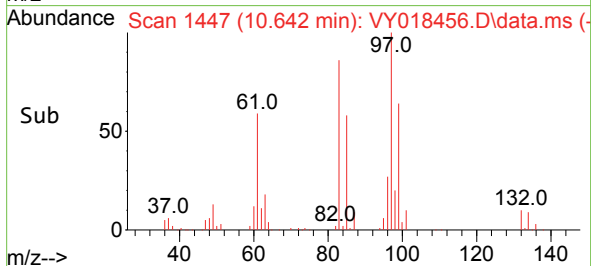
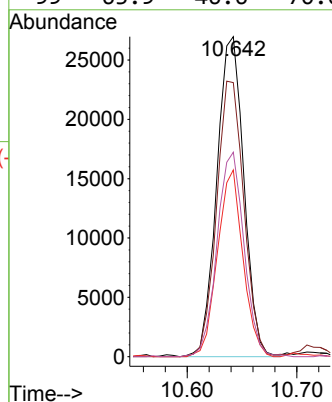
Ion Ratio Lower Upper

97 100

83 85.7 67.5 101.3

85 58.4 42.9 64.3

99 63.9 46.6 70.0



#56

Ethyl methacrylate

Concen: 57.641 ug/l

RT: 10.508 min Scan# 1425

Delta R.T. 0.006 min

Lab File: VY018456.D

Acq: 04 Jun 2024 10:12

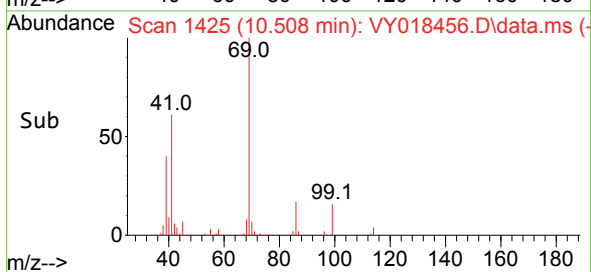
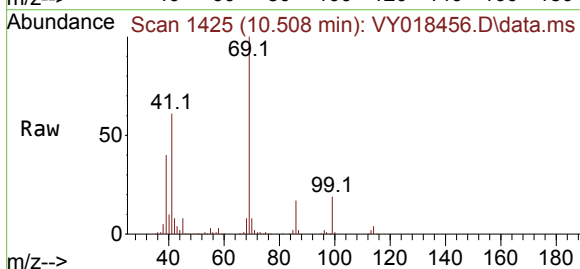
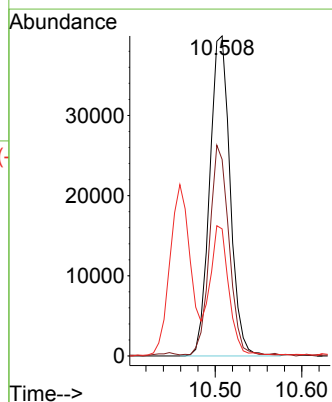
Tgt Ion: 69 Resp: 65462

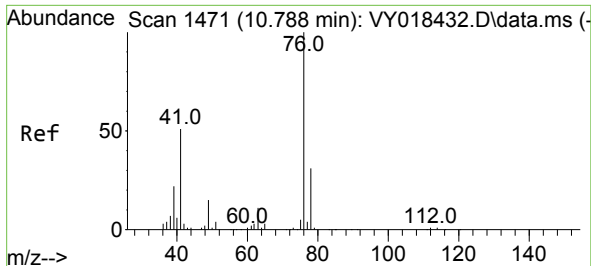
Ion Ratio Lower Upper

69 100

41 62.0 42.3 63.5

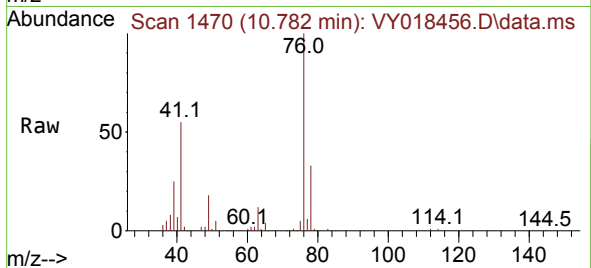
39 37.1 22.9 34.3#



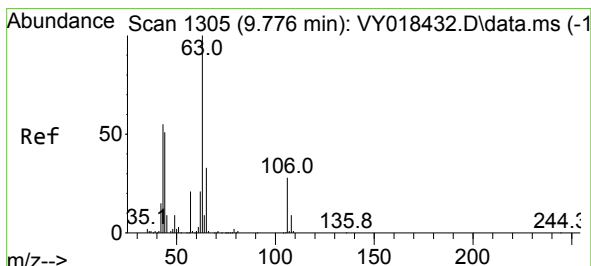
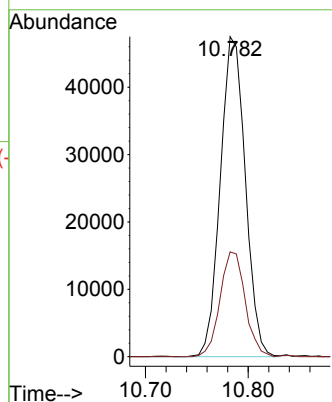
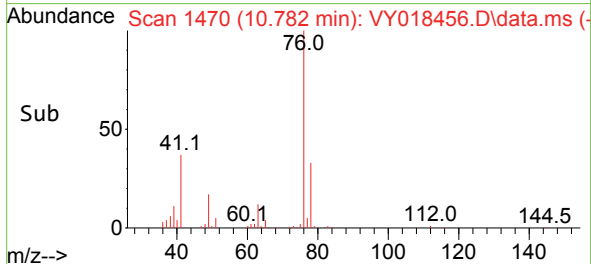


#57  
1,3-Dichloropropane  
Concen: 58.592 ug/l  
RT: 10.782 min Scan# 1471  
Delta R.T. -0.006 min  
Lab File: VY018456.D  
Acq: 04 Jun 2024 10:12

Instrument :  
MSVOA\_Y  
ClientSampleId :

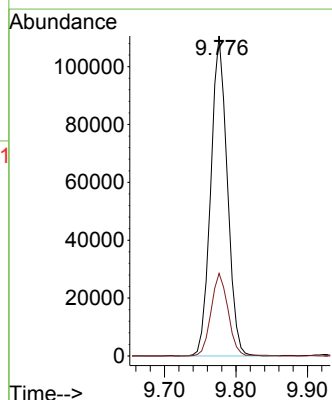
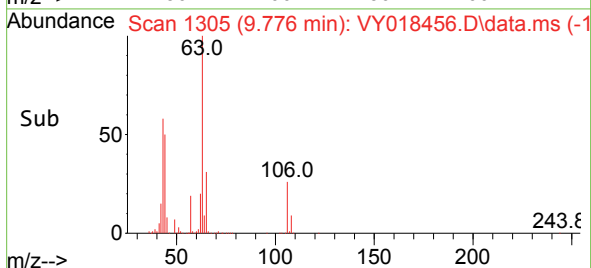
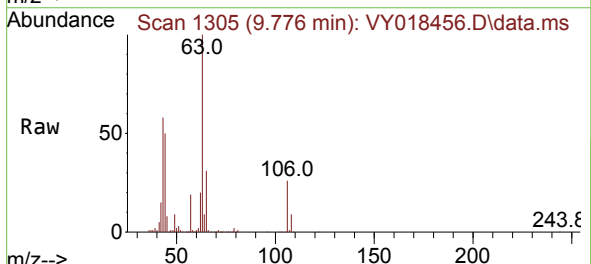


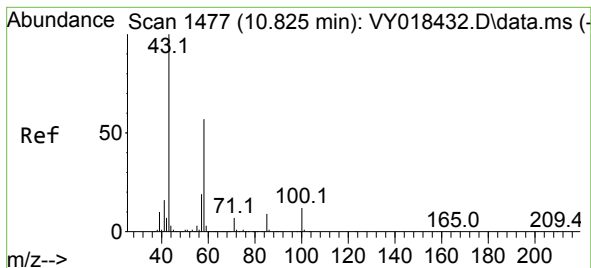
Tgt Ion: 76 Resp: 80276  
Ion Ratio Lower Upper  
76 100  
78 32.9 26.2 39.4



#58  
2-Chloroethyl Vinyl ether  
Concen: 290.537 ug/l  
RT: 9.776 min Scan# 1305  
Delta R.T. 0.000 min  
Lab File: VY018456.D  
Acq: 04 Jun 2024 10:12

Tgt Ion: 63 Resp: 177188  
Ion Ratio Lower Upper  
63 100  
106 26.4 23.7 35.5

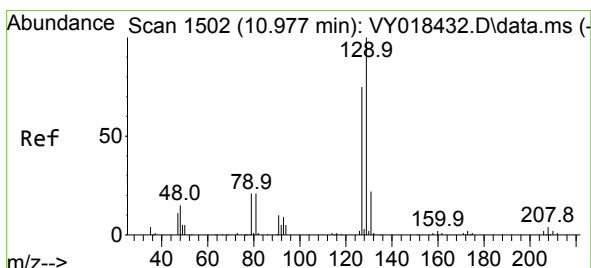
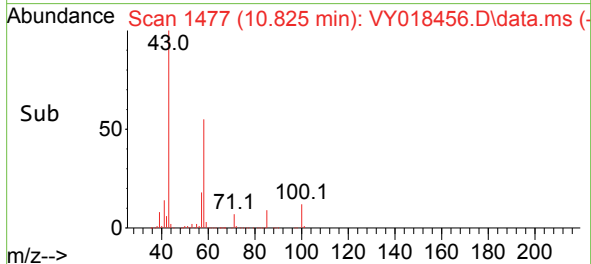
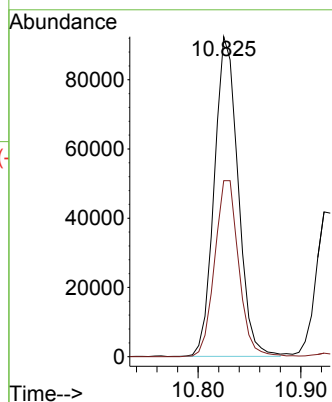
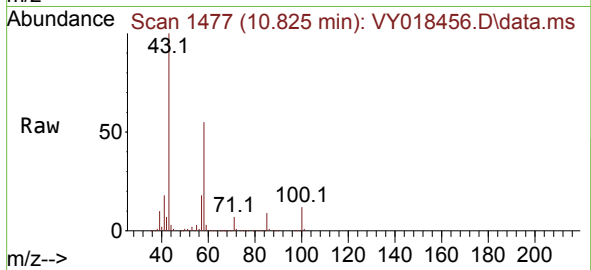




#59  
2-Hexanone  
Concen: 279.718 ug/l  
RT: 10.825 min Scan# 1477  
Delta R.T. 0.000 min  
Lab File: VY018456.D  
Acq: 04 Jun 2024 10:12

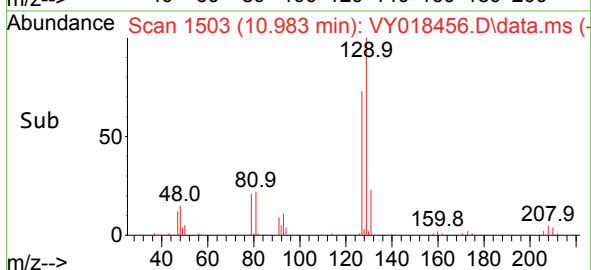
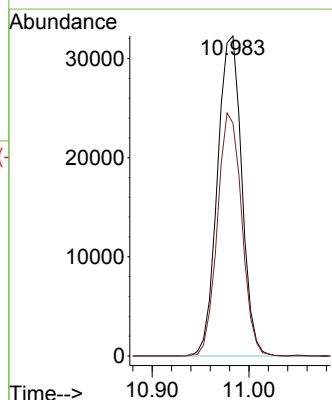
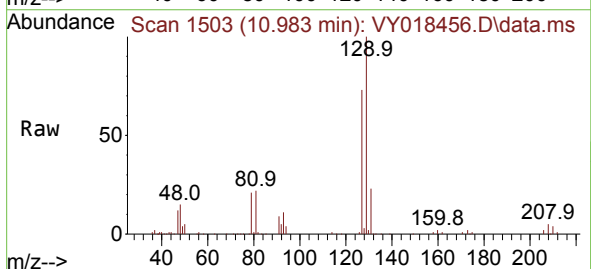
Instrument :  
MSVOA\_Y  
ClientSampleId :

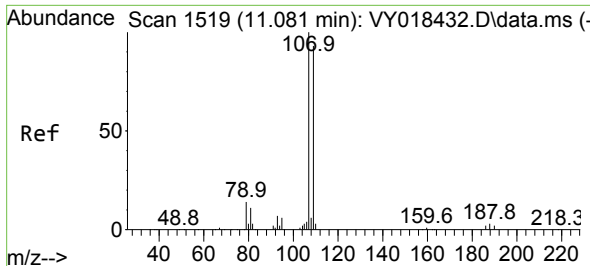
Tgt Ion: 43 Resp: 148038  
Ion Ratio Lower Upper  
43 100  
58 56.0 31.4 94.0



#60  
Dibromochloromethane  
Concen: 57.121 ug/l  
RT: 10.983 min Scan# 1503  
Delta R.T. 0.006 min  
Lab File: VY018456.D  
Acq: 04 Jun 2024 10:12

Tgt Ion:129 Resp: 56320  
Ion Ratio Lower Upper  
129 100  
127 76.1 39.0 117.0

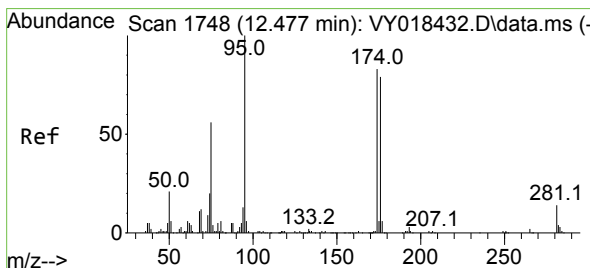
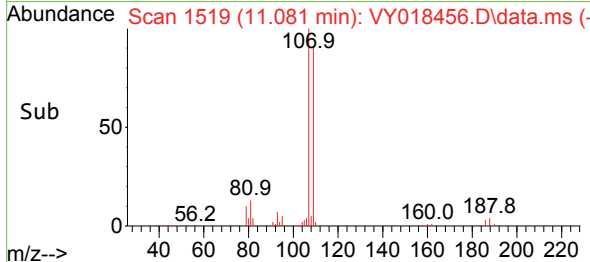
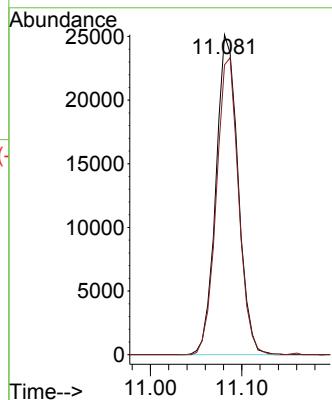
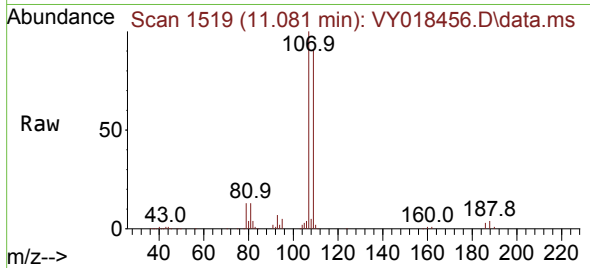




#61  
1,2-Dibromoethane  
Concen: 55.671 ug/l  
RT: 11.081 min Scan# 1519  
Delta R.T. 0.000 min  
Lab File: VY018456.D  
Acq: 04 Jun 2024 10:12

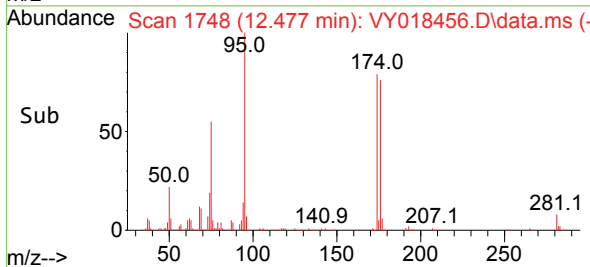
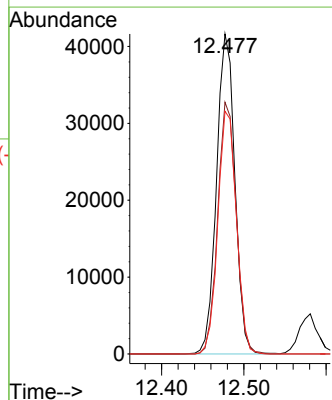
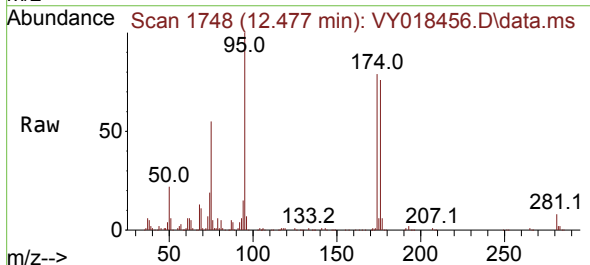
Instrument :  
MSVOA\_Y  
ClientSampleId :

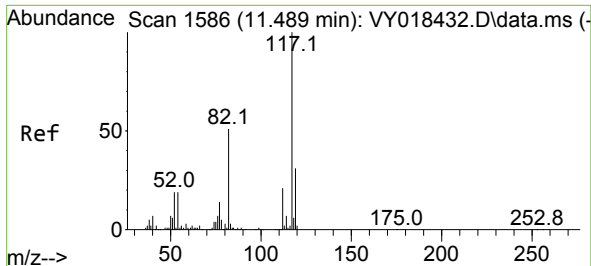
Tgt Ion:107 Resp: 42309  
Ion Ratio Lower Upper  
107 100  
109 93.2 75.9 113.9



#62  
4-Bromofluorobenzene  
Concen: 50.307 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.000 min  
Lab File: VY018456.D  
Acq: 04 Jun 2024 10:12

Tgt Ion: 95 Resp: 64528  
Ion Ratio Lower Upper  
95 100  
174 79.0 0.0 175.6  
176 76.8 0.0 171.4

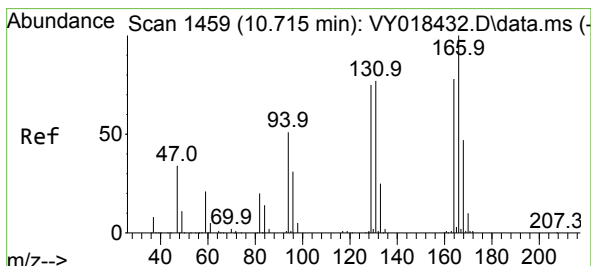
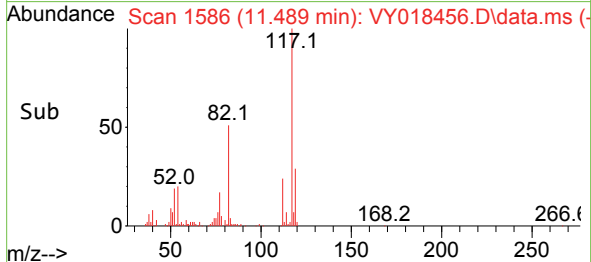
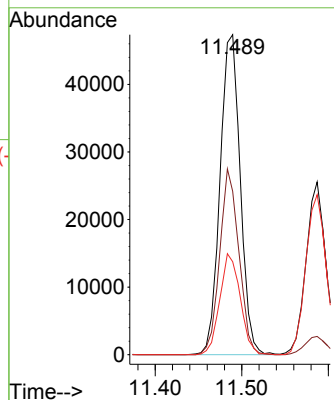
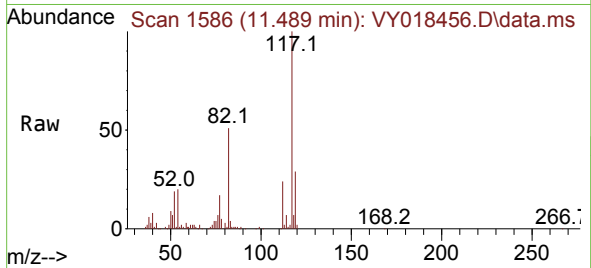




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY018456.D  
Acq: 04 Jun 2024 10:12

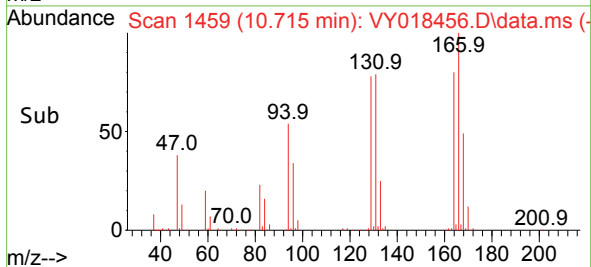
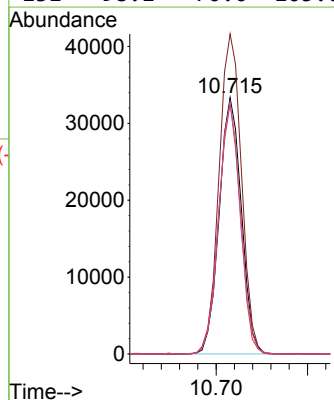
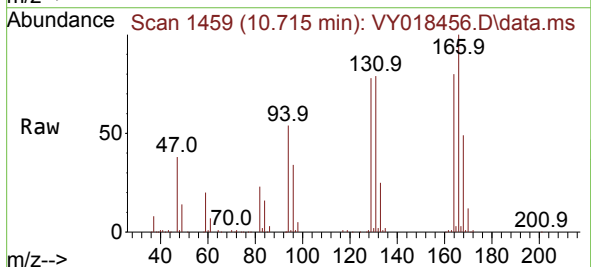
Instrument :  
MSVOA\_Y  
ClientSampleId :

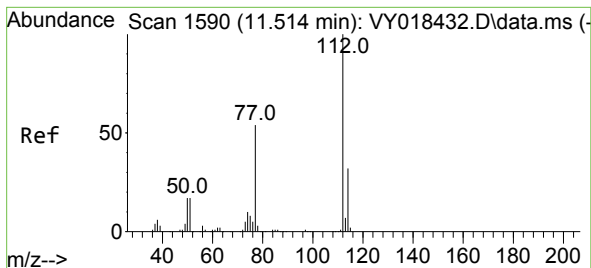
Tgt Ion:117 Resp: 76732  
Ion Ratio Lower Upper  
117 100  
82 51.1 42.4 63.6  
119 29.0 25.9 38.9



#64  
Tetrachloroethene  
Concen: 49.498 ug/l  
RT: 10.715 min Scan# 1459  
Delta R.T. 0.000 min  
Lab File: VY018456.D  
Acq: 04 Jun 2024 10:12

Tgt Ion:164 Resp: 55946  
Ion Ratio Lower Upper  
164 100  
166 124.9 102.6 154.0  
129 97.8 72.0 108.0  
131 98.1 70.0 105.0





#65

Chlorobenzene

Concen: 53.153 ug/l

RT: 11.514 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY018456.D

Acq: 04 Jun 2024 10:12

Instrument :

MSVOA\_Y

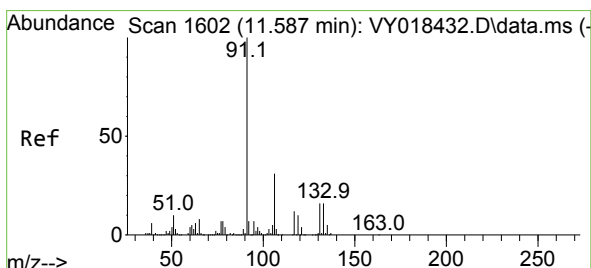
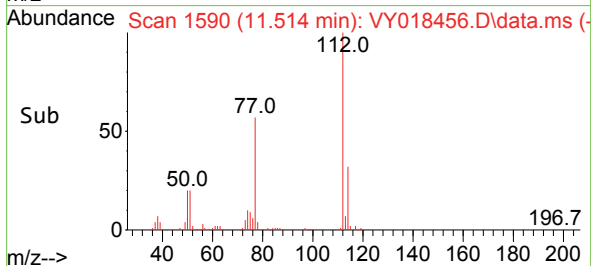
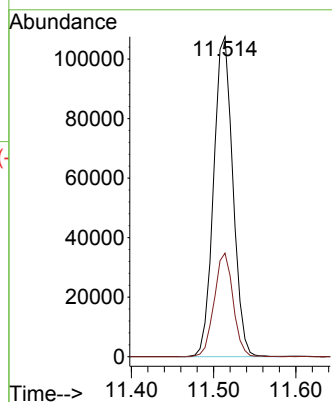
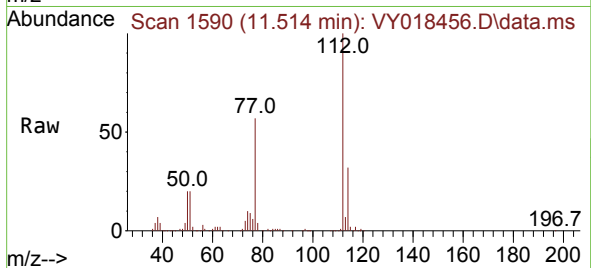
ClientSampleId :

Tgt Ion:112 Resp: 174906

Ion Ratio Lower Upper

112 100

114 32.4 26.4 39.6



#66

1,1,1,2-Tetrachloroethane

Concen: 51.904 ug/l

RT: 11.587 min Scan# 1602

Delta R.T. 0.000 min

Lab File: VY018456.D

Acq: 04 Jun 2024 10:12

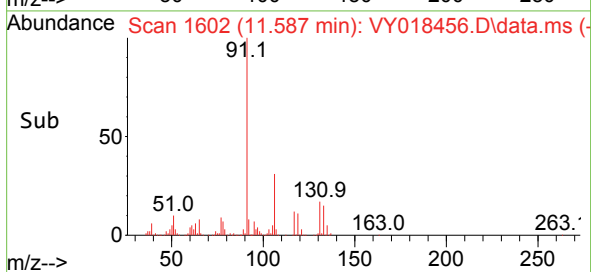
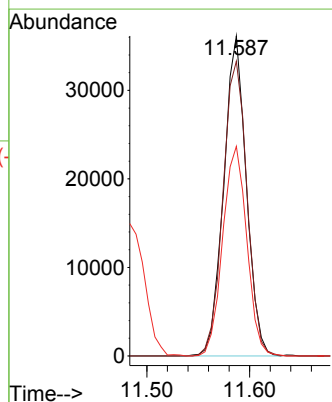
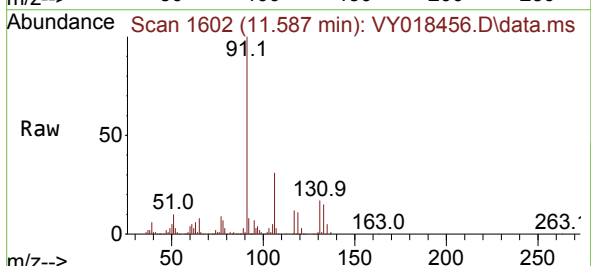
Tgt Ion:131 Resp: 55226

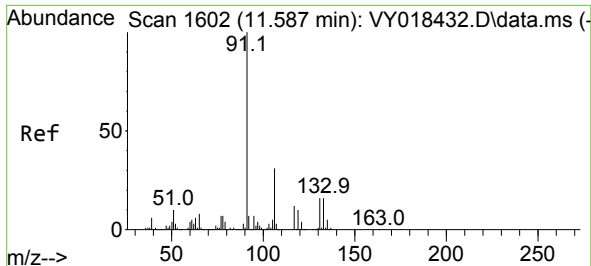
Ion Ratio Lower Upper

131 100

133 97.8 47.8 143.3

119 69.6 34.1 102.2





#67

Ethyl Benzene

Concen: 54.180 ug/l

RT: 11.587 min Scan# 1602

Delta R.T. 0.000 min

Lab File: VY018456.D

Acq: 04 Jun 2024 10:12

Instrument :

MSVOA\_Y

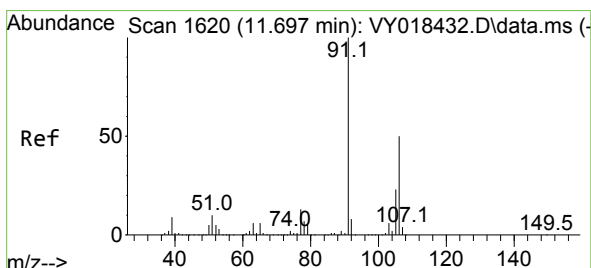
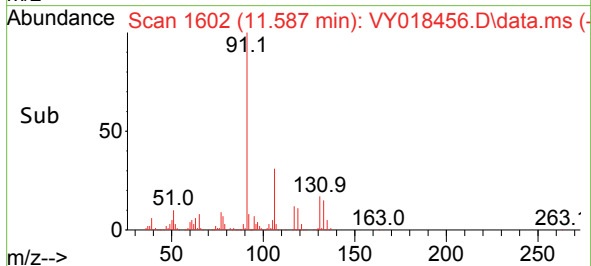
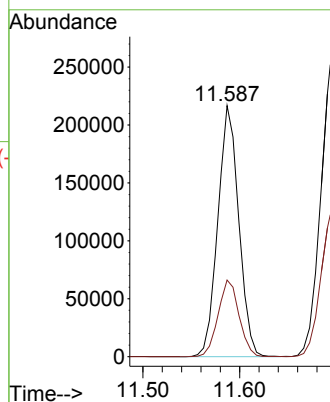
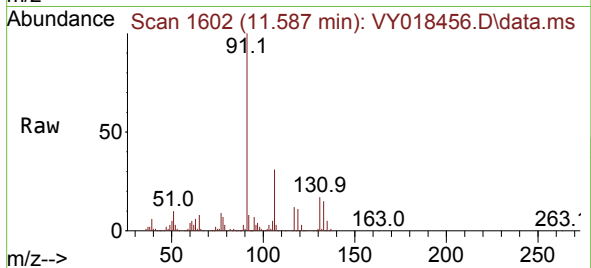
ClientSampleId :

Tgt Ion: 91 Resp: 324501

Ion Ratio Lower Upper

91 100

106 30.5 24.5 36.7



#68

m/p-Xylenes

Concen: 108.182 ug/l

RT: 11.697 min Scan# 1620

Delta R.T. 0.000 min

Lab File: VY018456.D

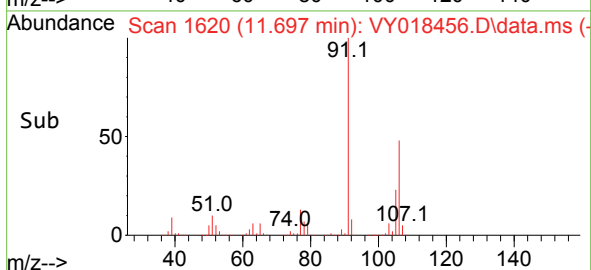
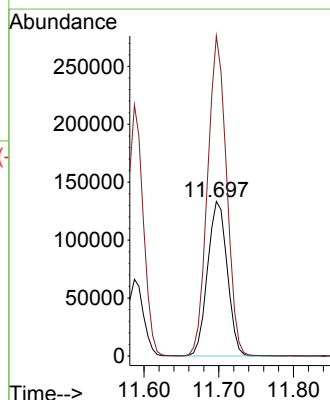
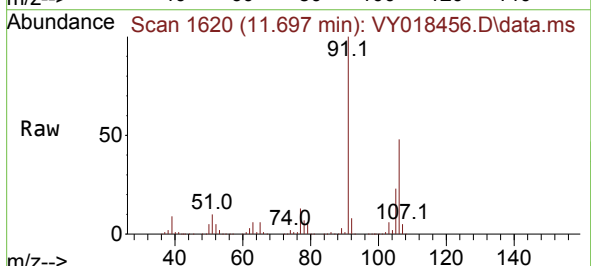
Acq: 04 Jun 2024 10:12

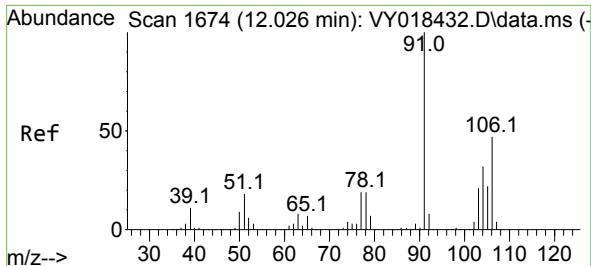
Tgt Ion: 106 Resp: 243982

Ion Ratio Lower Upper

106 100

91 200.1 156.0 234.0

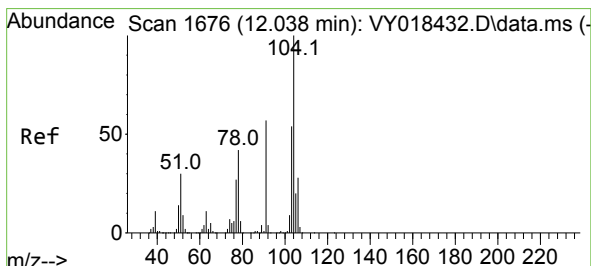
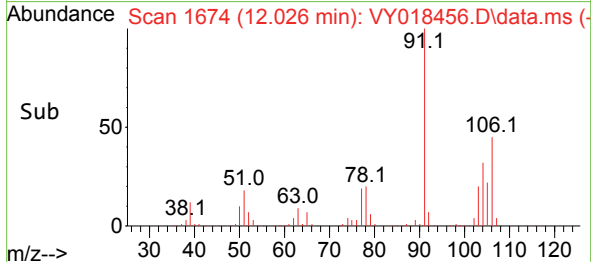
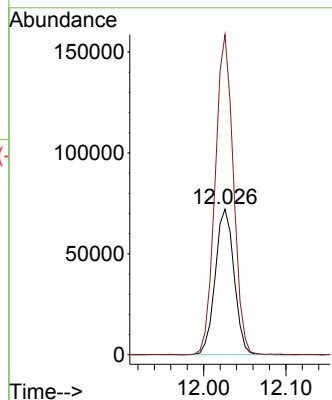
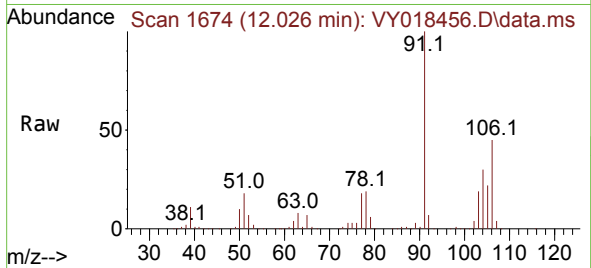




#69  
o-Xylene  
Concen: 52.818 ug/l  
RT: 12.026 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VY018456.D  
Acq: 04 Jun 2024 10:12

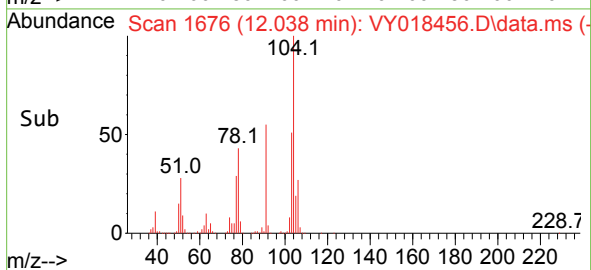
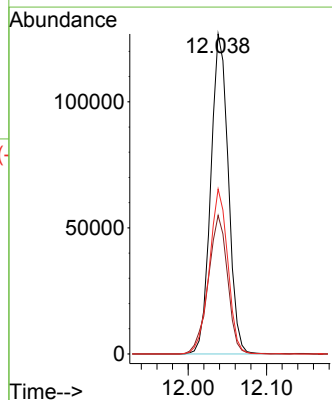
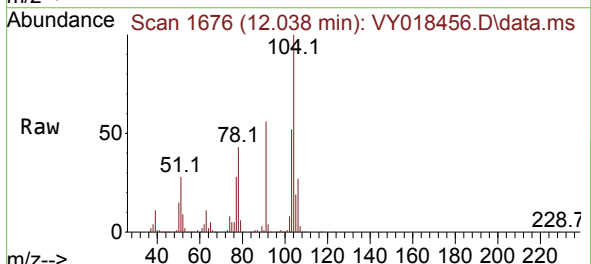
Instrument :  
MSVOA\_Y  
ClientSampleId :

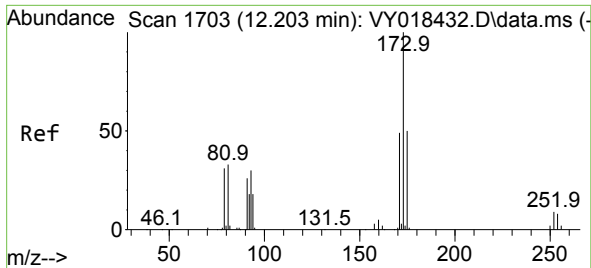
Tgt Ion:106 Resp: 114667  
Ion Ratio Lower Upper  
106 100  
91 213.0 103.6 310.8



#70  
Styrene  
Concen: 55.565 ug/l  
RT: 12.038 min Scan# 1676  
Delta R.T. 0.000 min  
Lab File: VY018456.D  
Acq: 04 Jun 2024 10:12

Tgt Ion:104 Resp: 197097  
Ion Ratio Lower Upper  
104 100  
78 47.7 37.0 55.4  
103 54.5 44.2 66.2

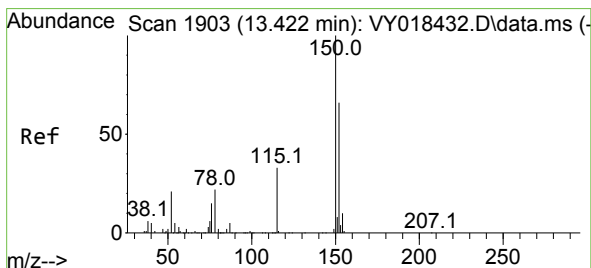
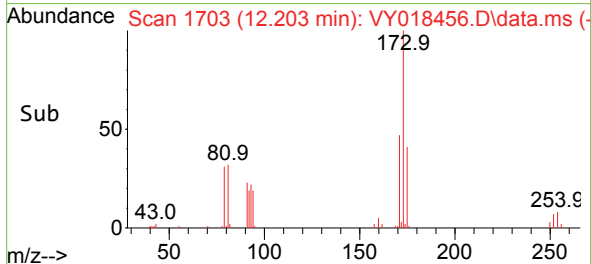
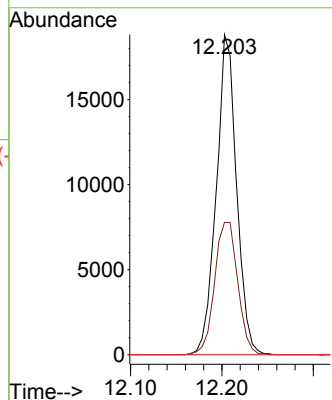
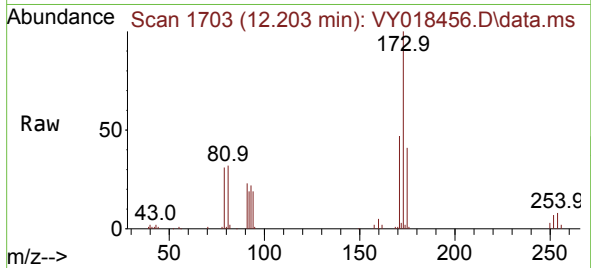




#71  
Bromoform  
Concen: 51.742 ug/l  
RT: 12.203 min Scan# 1703  
Delta R.T. 0.000 min  
Lab File: VY018456.D  
Acq: 04 Jun 2024 10:12

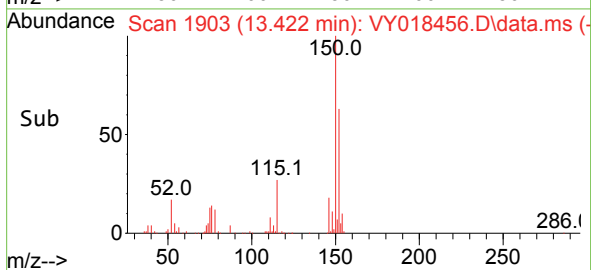
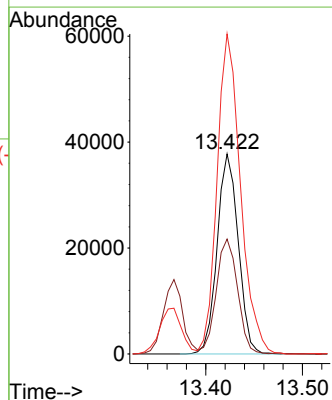
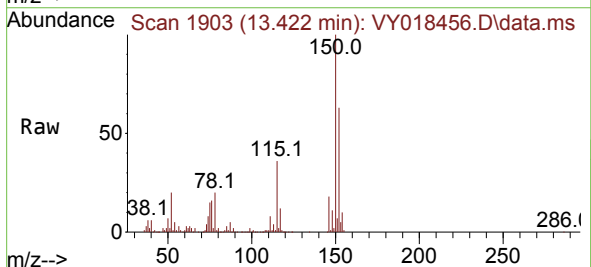
Instrument :  
MSVOA\_Y  
ClientSampleId :

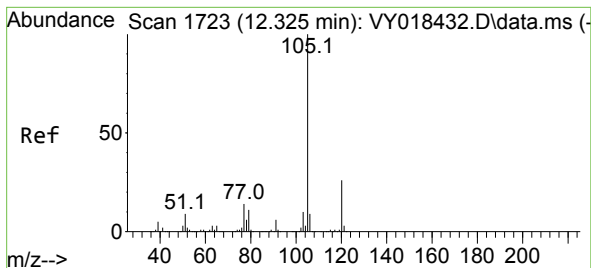
Tgt Ion:173 Resp: 29003  
Ion Ratio Lower Upper  
173 100  
175 47.2 25.1 75.3  
254 0.0 0.0 0.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. 0.000 min  
Lab File: VY018456.D  
Acq: 04 Jun 2024 10:12

Tgt Ion:152 Resp: 57165  
Ion Ratio Lower Upper  
152 100  
115 57.8 28.2 84.7  
150 177.7 0.0 345.6





#73

Isopropylbenzene

Concen: 52.471 ug/l

RT: 12.325 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY018456.D

Acq: 04 Jun 2024 10:12

Instrument :

MSVOA\_Y

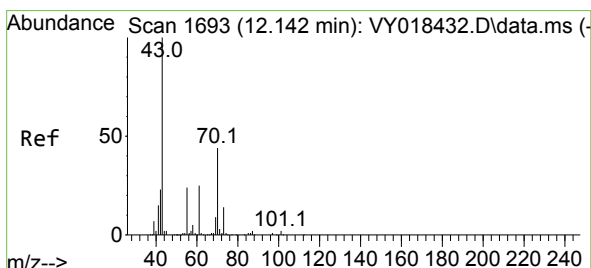
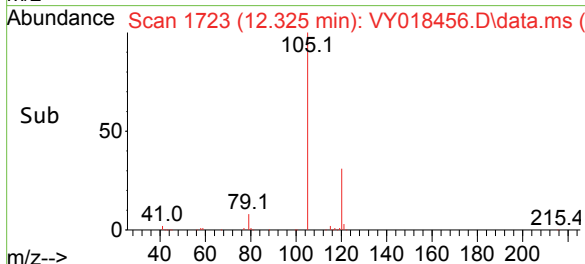
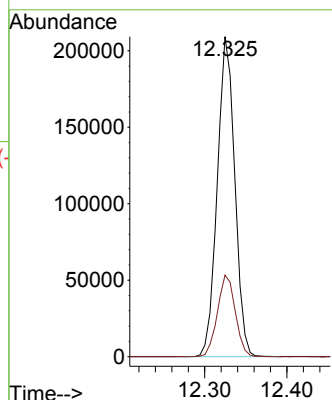
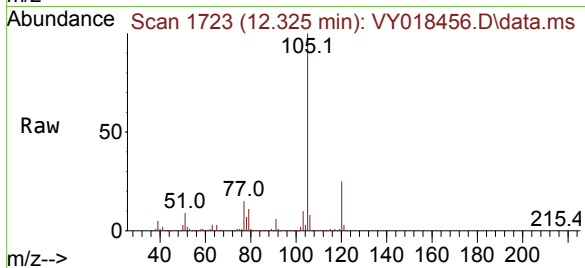
ClientSampleId :

Tgt Ion:105 Resp: 309528

Ion Ratio Lower Upper

105 100

120 26.1 13.4 40.1



#74

N-ethyl acetate

Concen: 50.067 ug/l

RT: 12.142 min Scan# 1693

Delta R.T. 0.000 min

Lab File: VY018456.D

Acq: 04 Jun 2024 10:12

Tgt Ion: 43 Resp: 71891

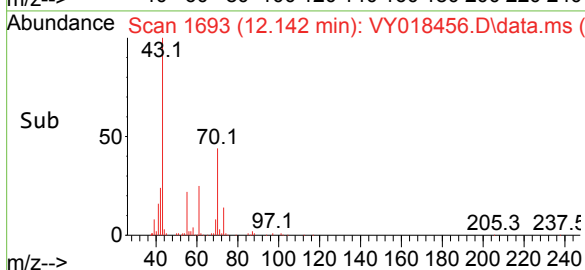
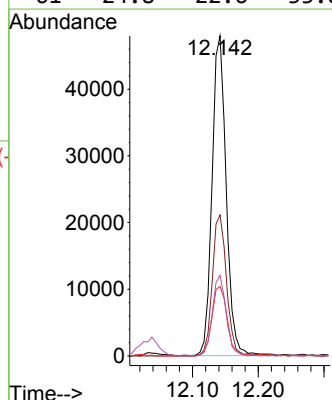
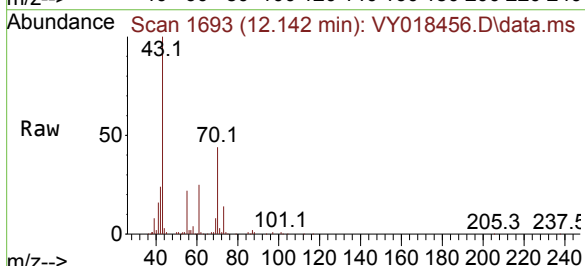
Ion Ratio Lower Upper

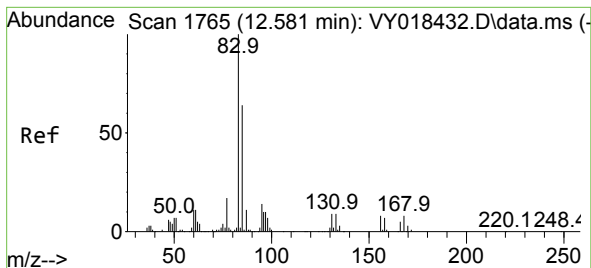
43 100

70 44.5 41.4 62.2

55 23.2 23.3 34.9#

61 24.8 22.6 33.8

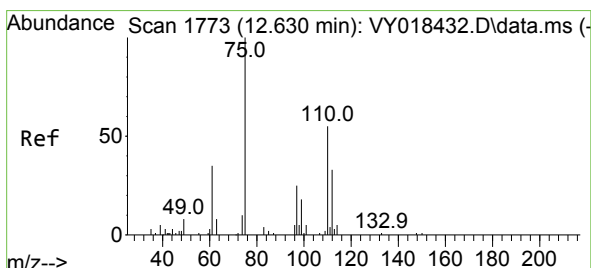
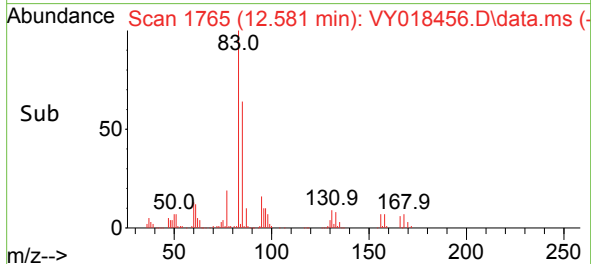
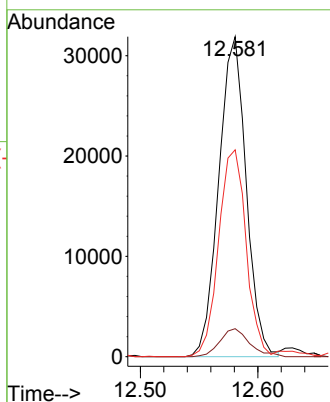
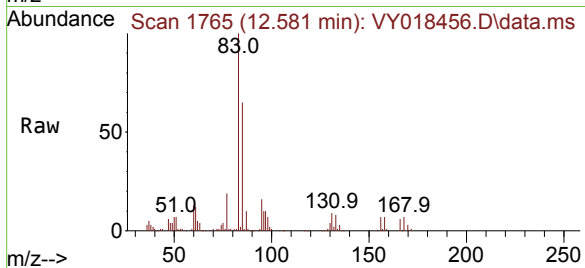




#75  
 1,1,2,2-Tetrachloroethane  
 Concen: 49.792 ug/l  
 RT: 12.581 min Scan# 1765  
 Delta R.T. 0.000 min  
 Lab File: VY018456.D  
 Acq: 04 Jun 2024 10:12

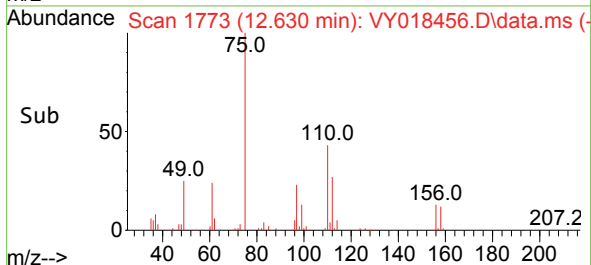
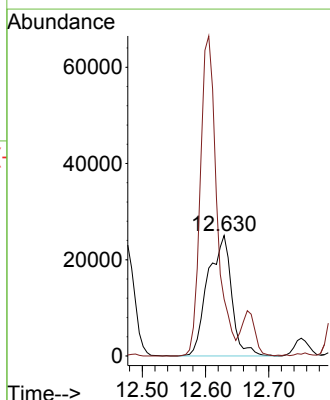
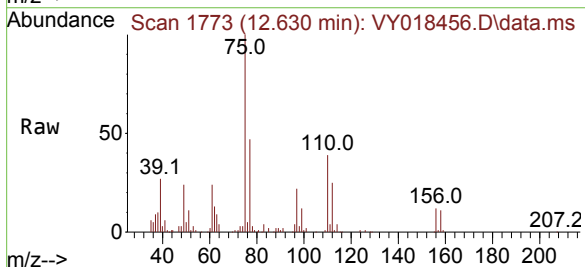
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

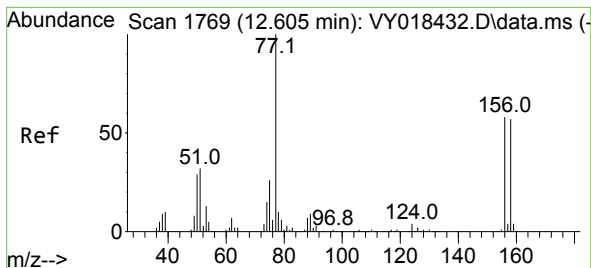
Tgt Ion: 83 Resp: 51705  
 Ion Ratio Lower Upper  
 83 100  
 131 9.5 5.0 14.9  
 85 64.7 32.0 96.0



#76  
 1,2,3-Trichloropropane  
 Concen: 92.337 ug/l  
 RT: 12.630 min Scan# 1773  
 Delta R.T. 0.000 min  
 Lab File: VY018456.D  
 Acq: 04 Jun 2024 10:12

Tgt Ion: 75 Resp: 65453  
 Ion Ratio Lower Upper  
 75 100  
 77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 50.910 ug/l

RT: 12.605 min Scan# 1769

Delta R.T. 0.000 min

Lab File: VY018456.D

Acq: 04 Jun 2024 10:12

Instrument :

MSVOA\_Y

ClientSampleId :

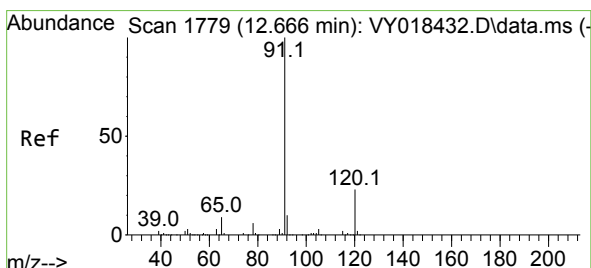
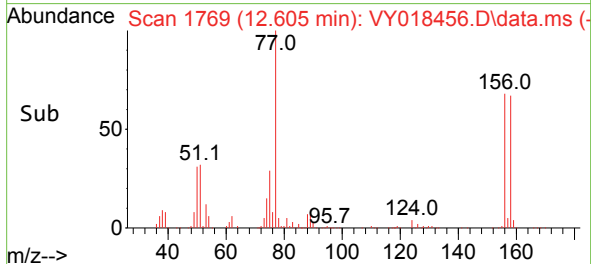
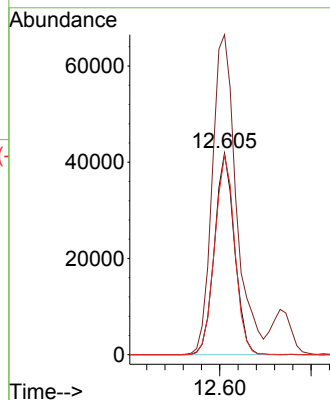
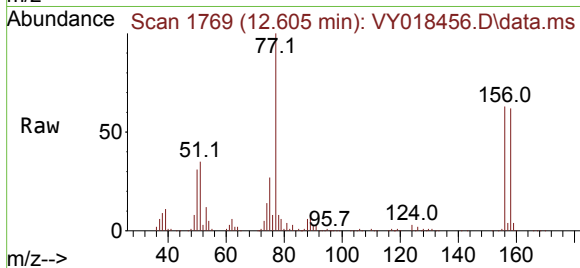
Tgt Ion:156 Resp: 63765

Ion Ratio Lower Upper

156 100

77 190.2 87.1 261.3

158 99.4 48.6 145.9



#78

n-propylbenzene

Concen: 52.561 ug/l

RT: 12.666 min Scan# 1779

Delta R.T. 0.000 min

Lab File: VY018456.D

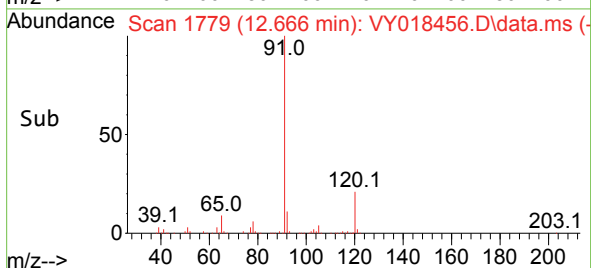
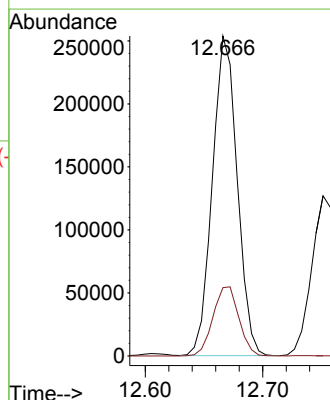
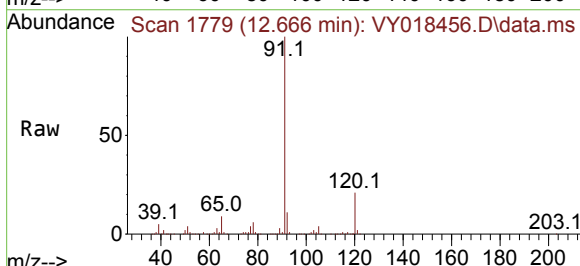
Acq: 04 Jun 2024 10:12

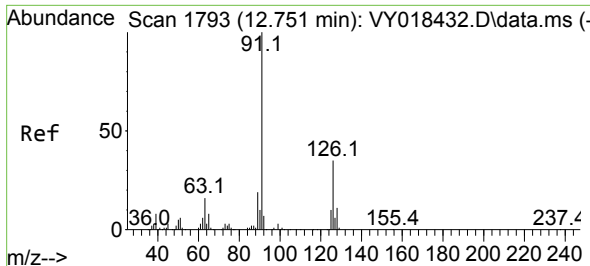
Tgt Ion: 91 Resp: 372136

Ion Ratio Lower Upper

91 100

120 22.6 11.5 34.4

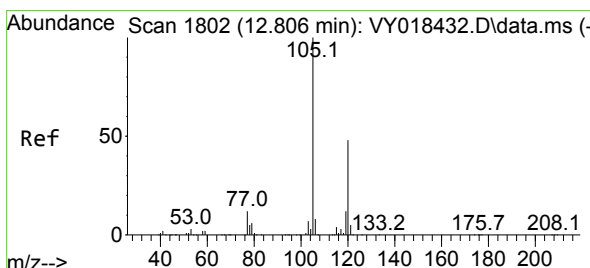
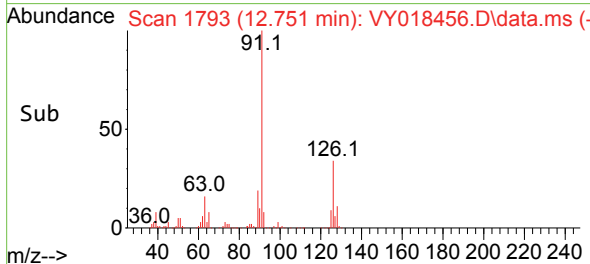
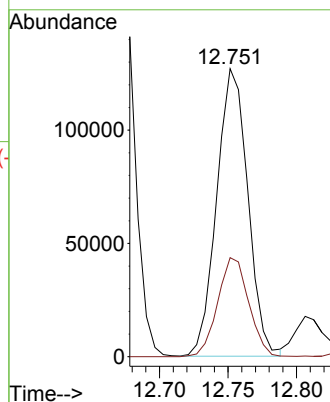
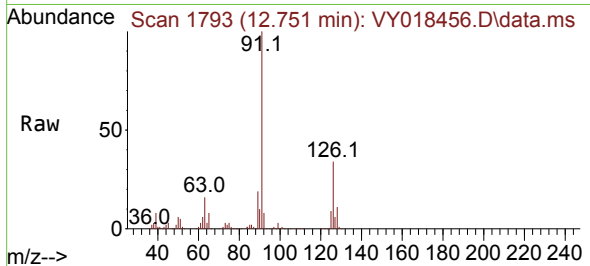




#79  
2-Chlorotoluene  
Concen: 52.185 ug/l  
RT: 12.751 min Scan# 1793  
Delta R.T. 0.000 min  
Lab File: VY018456.D  
Acq: 04 Jun 2024 10:12

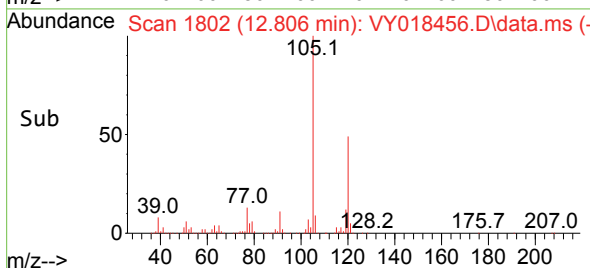
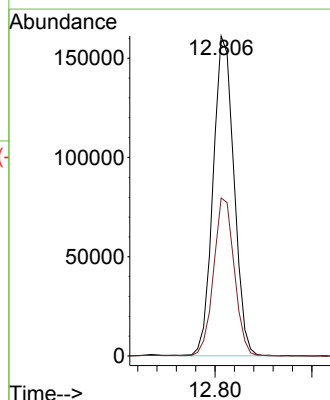
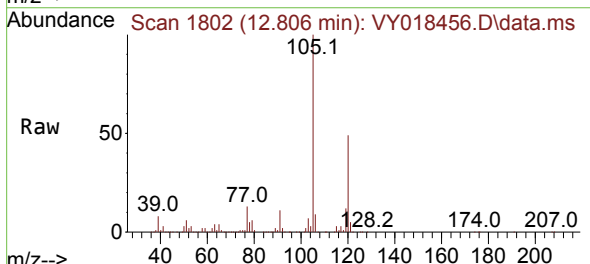
Instrument :  
MSVOA\_Y  
ClientSampleId :

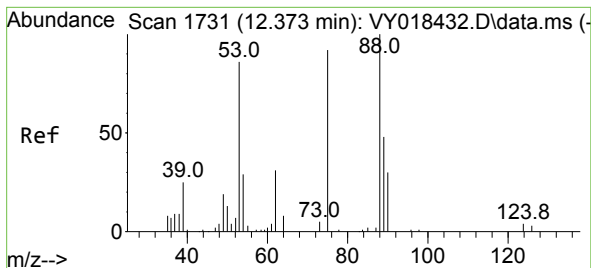
Tgt Ion: 91 Resp: 200861  
Ion Ratio Lower Upper  
91 100  
126 34.3 17.8 53.5



#80  
1,3,5-Trimethylbenzene  
Concen: 52.457 ug/l  
RT: 12.806 min Scan# 1802  
Delta R.T. 0.000 min  
Lab File: VY018456.D  
Acq: 04 Jun 2024 10:12

Tgt Ion: 105 Resp: 241009  
Ion Ratio Lower Upper  
105 100  
120 49.2 25.1 75.2

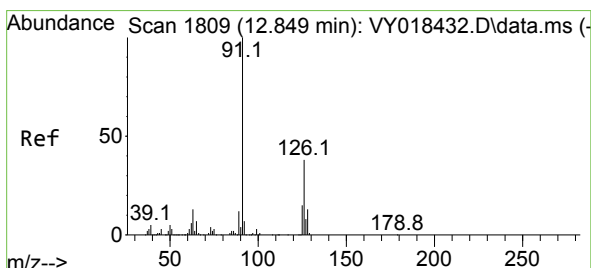
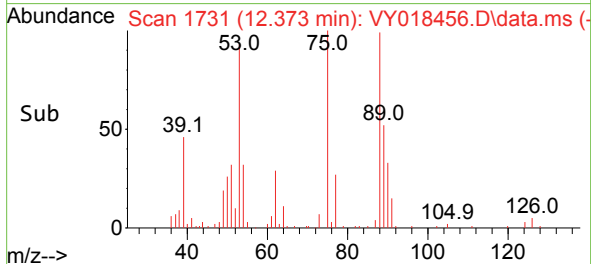
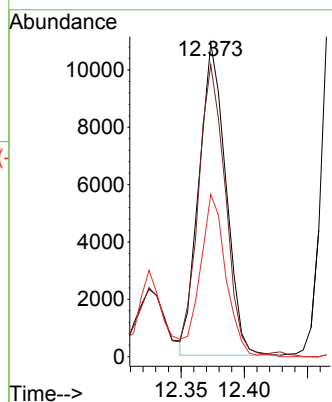
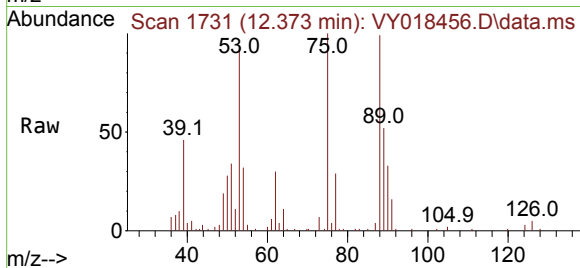




#81  
trans-1,4-Dichloro-2-butene  
Concen: 47.682 ug/l  
RT: 12.373 min Scan# 1731  
Delta R.T. 0.000 min  
Lab File: VY018456.D  
Acq: 04 Jun 2024 10:12

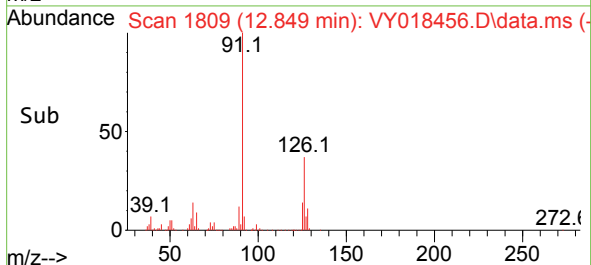
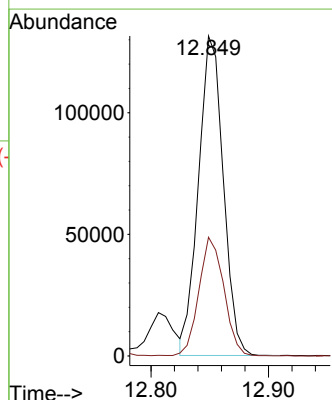
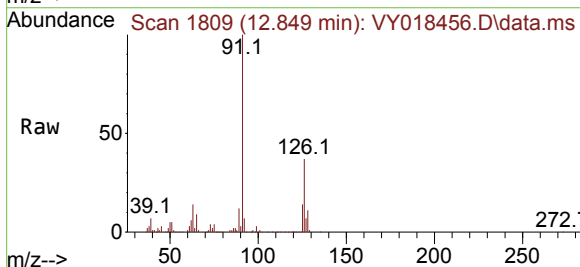
Instrument :  
MSVOA\_Y  
ClientSampleId :

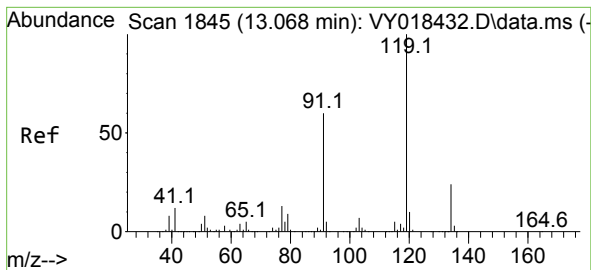
Tgt Ion: 75 Resp: 16088  
Ion Ratio Lower Upper  
75 100  
53 92.6 66.8 100.2  
89 49.9 35.8 53.6



#82  
4-Chlorotoluene  
Concen: 49.744 ug/l  
RT: 12.849 min Scan# 1809  
Delta R.T. 0.000 min  
Lab File: VY018456.D  
Acq: 04 Jun 2024 10:12

Tgt Ion: 91 Resp: 192669  
Ion Ratio Lower Upper  
91 100  
126 37.6 17.6 52.9





#83

tert-Butylbenzene

Concen: 52.015 ug/l

RT: 13.075 min Scan# 1846

Delta R.T. 0.006 min

Lab File: VY018456.D

Acq: 04 Jun 2024 10:12

Instrument :

MSVOA\_Y

ClientSampleId :

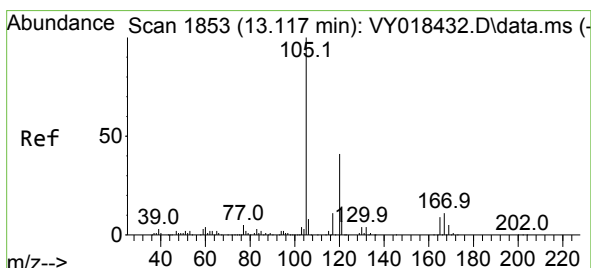
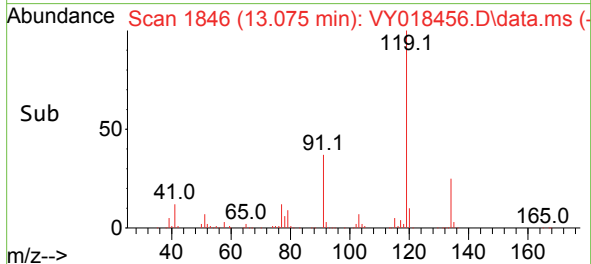
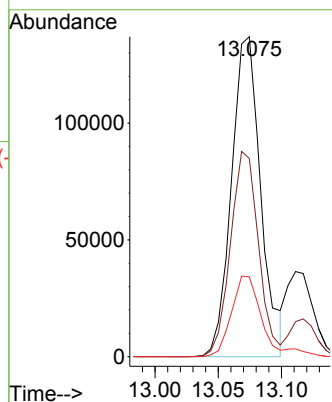
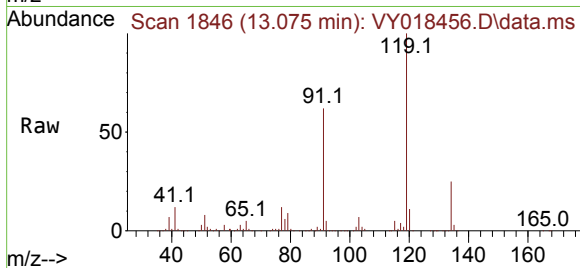
Tgt Ion:119 Resp: 220989

Ion Ratio Lower Upper

119 100

91 61.5 31.3 93.8

134 26.4 13.4 40.1



#84

1,2,4-Trimethylbenzene

Concen: 51.563 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VY018456.D

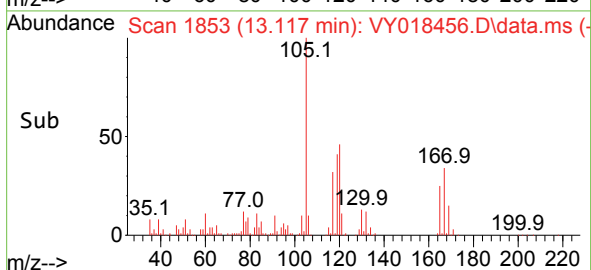
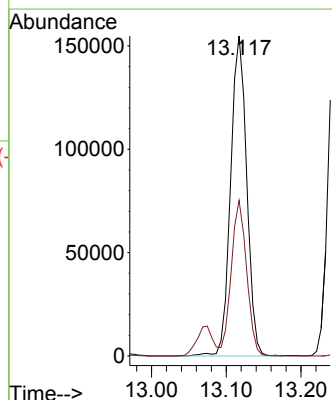
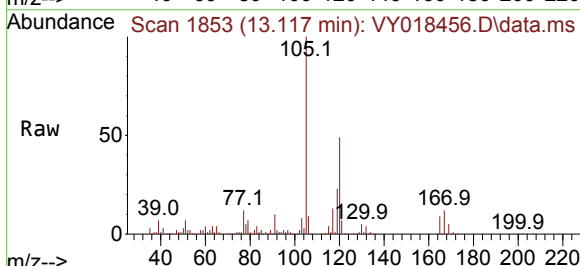
Acq: 04 Jun 2024 10:12

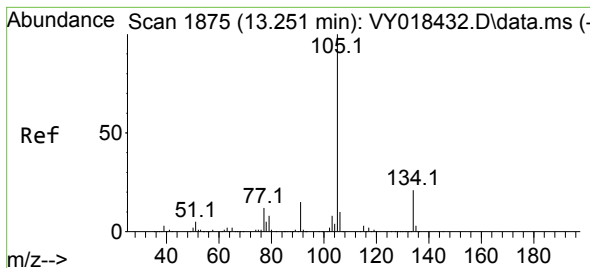
Tgt Ion:105 Resp: 231933

Ion Ratio Lower Upper

105 100

120 46.3 23.2 69.6





#85

sec-Butylbenzene

Concen: 50.961 ug/l

RT: 13.251 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VY018456.D

Acq: 04 Jun 2024 10:12

Instrument :

MSVOA\_Y

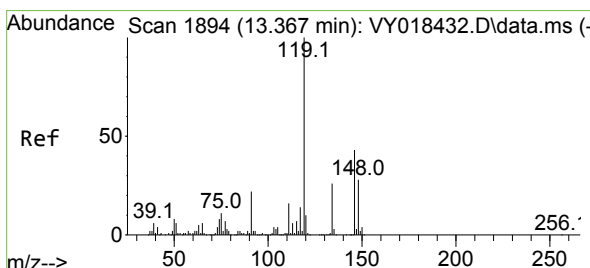
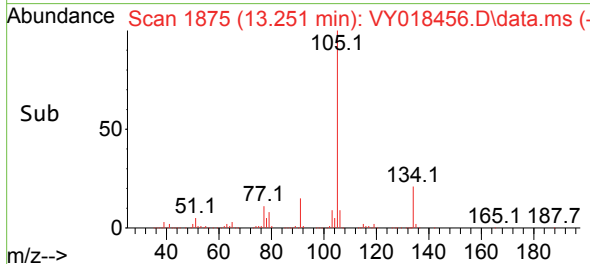
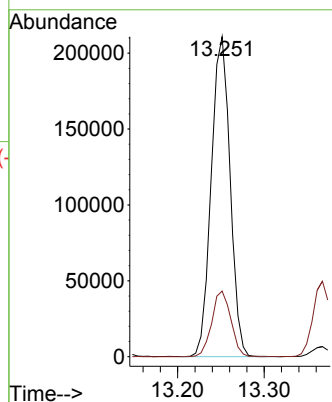
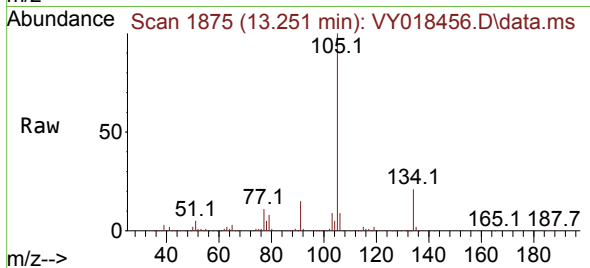
ClientSampleId :

Tgt Ion:105 Resp: 318851

Ion Ratio Lower Upper

105 100

134 20.7 10.1 30.1



#86

p-Isopropyltoluene

Concen: 51.852 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. 0.000 min

Lab File: VY018456.D

Acq: 04 Jun 2024 10:12

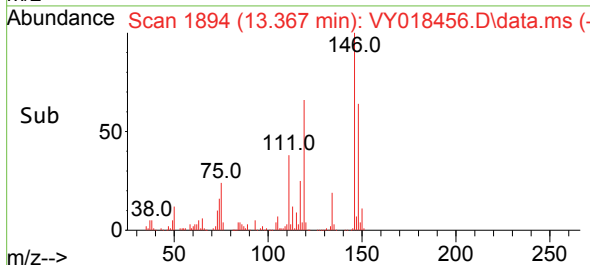
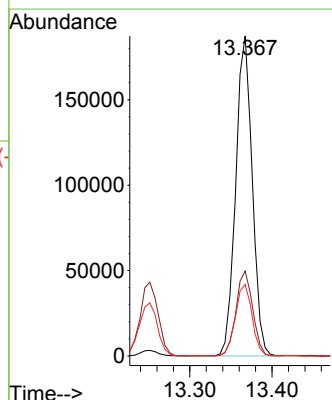
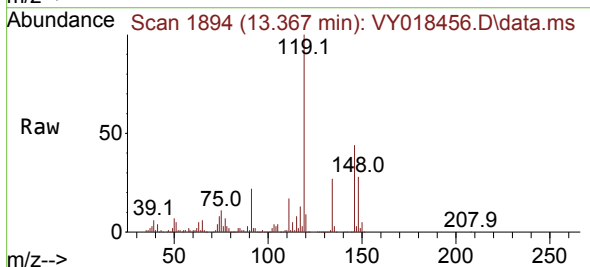
Tgt Ion:119 Resp: 261838

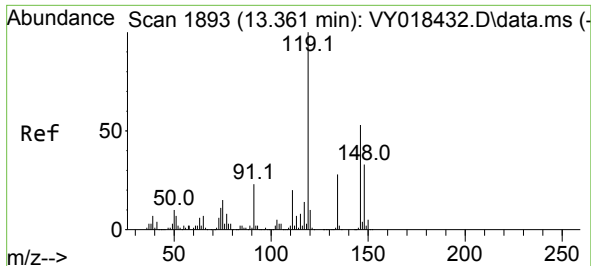
Ion Ratio Lower Upper

119 100

134 26.8 13.1 39.3

91 22.6 10.7 32.1





#87

1,3-Dichlorobenzene

Concen: 52.564 ug/l

RT: 13.361 min Scan# 1893

Delta R.T. 0.000 min

Lab File: VY018456.D

Acq: 04 Jun 2024 10:12

Instrument :

MSVOA\_Y

ClientSampleId :

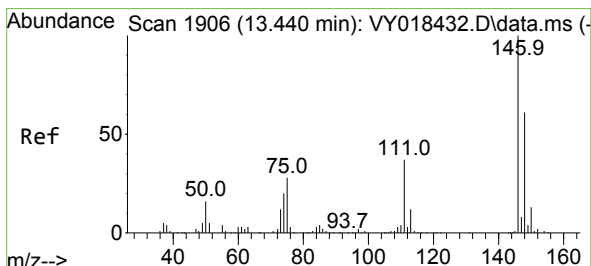
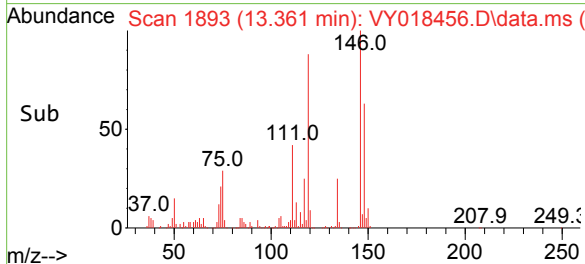
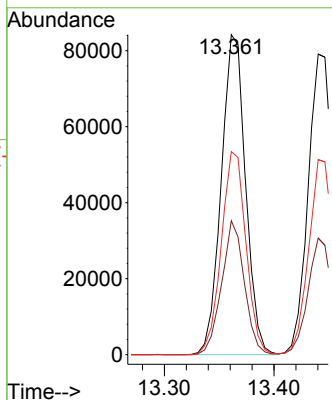
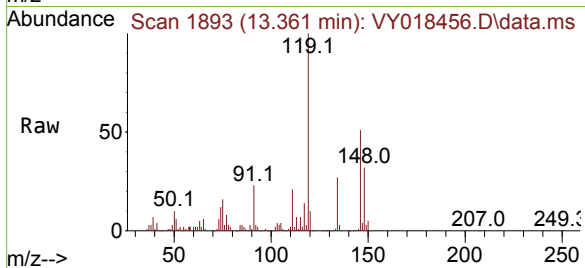
Tgt Ion:146 Resp: 129867

Ion Ratio Lower Upper

146 100

111 39.1 19.0 57.0

148 64.4 31.7 95.1



#88

1,4-Dichlorobenzene

Concen: 52.111 ug/l

RT: 13.440 min Scan# 1906

Delta R.T. 0.000 min

Lab File: VY018456.D

Acq: 04 Jun 2024 10:12

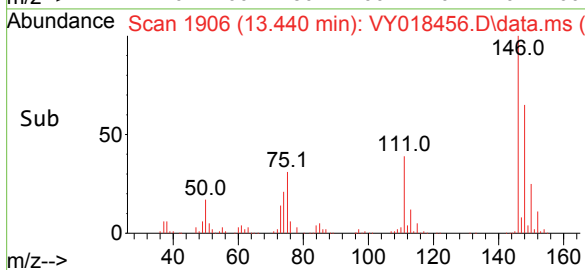
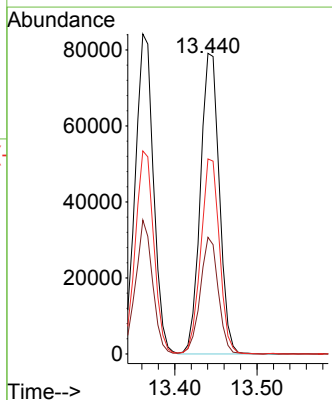
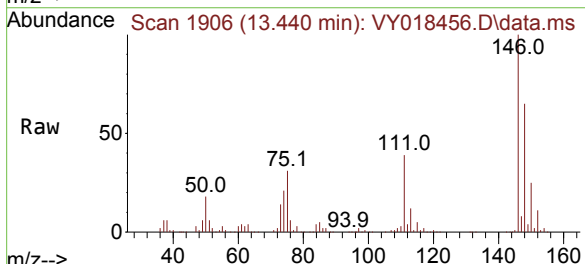
Tgt Ion:146 Resp: 126485

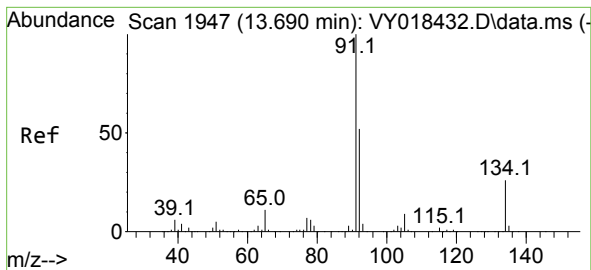
Ion Ratio Lower Upper

146 100

111 37.2 18.4 55.4

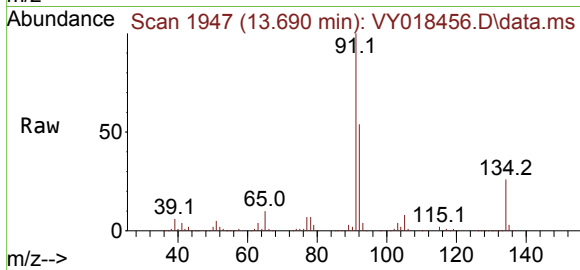
148 64.0 32.4 97.2



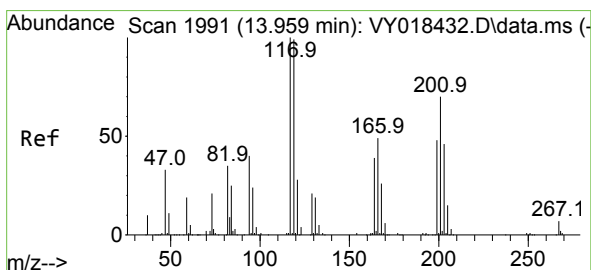
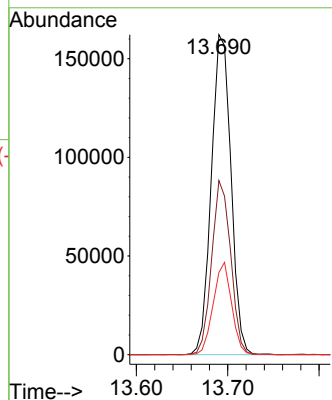
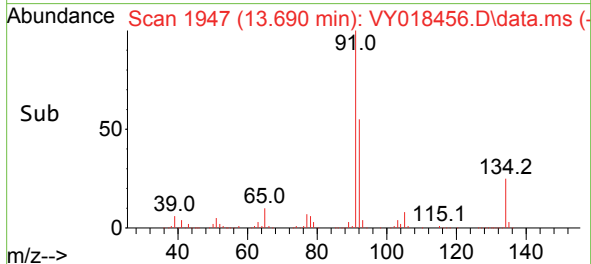


#89  
n-Butylbenzene  
Concen: 50.485 ug/l  
RT: 13.690 min Scan# 1947  
Delta R.T. 0.000 min  
Lab File: VY018456.D  
Acq: 04 Jun 2024 10:12

Instrument :  
MSVOA\_Y  
ClientSampleId :

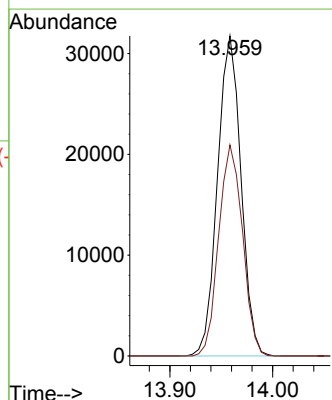
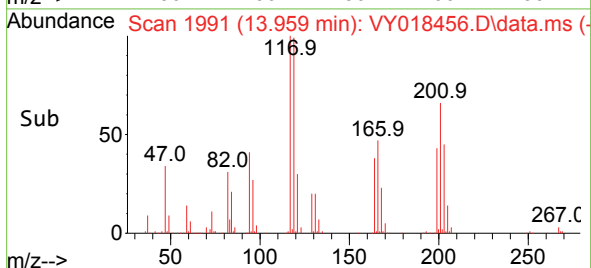
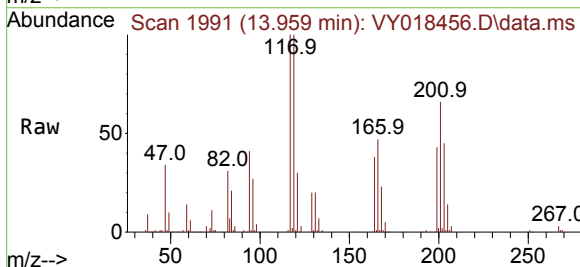


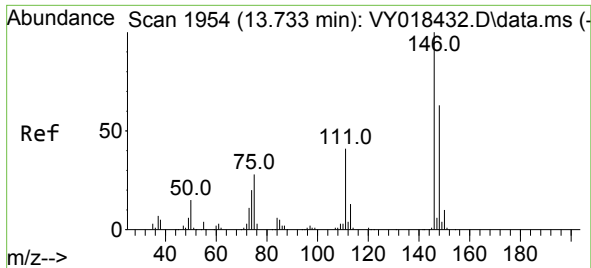
Tgt Ion: 91 Resp: 242256  
Ion Ratio Lower Upper  
91 100  
92 52.6 26.6 79.7  
134 27.0 12.9 38.7



#90  
Hexachloroethane  
Concen: 53.246 ug/l  
RT: 13.959 min Scan# 1991  
Delta R.T. 0.000 min  
Lab File: VY018456.D  
Acq: 04 Jun 2024 10:12

Tgt Ion: 117 Resp: 50398  
Ion Ratio Lower Upper  
117 100  
201 66.8 37.4 112.2

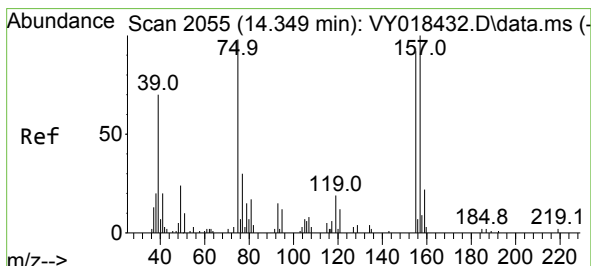
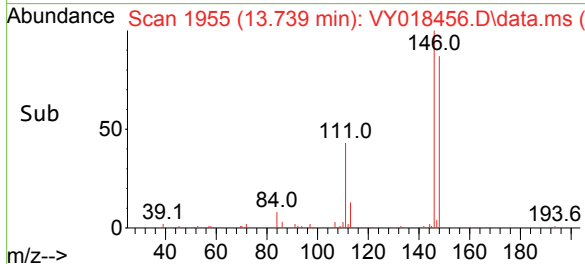
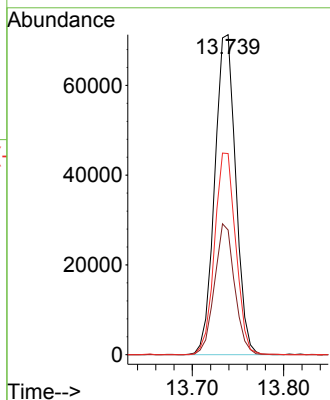
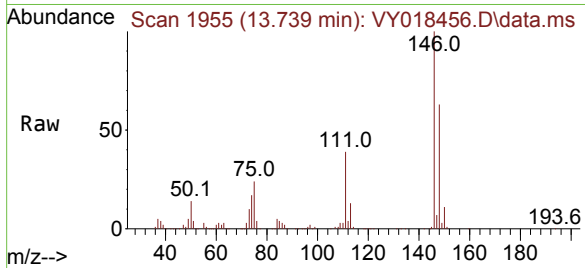




#91  
 1,2-Dichlorobenzene  
 Concen: 52.952 ug/l  
 RT: 13.739 min Scan# 1954  
 Delta R.T. 0.006 min  
 Lab File: VY018456.D  
 Acq: 04 Jun 2024 10:12

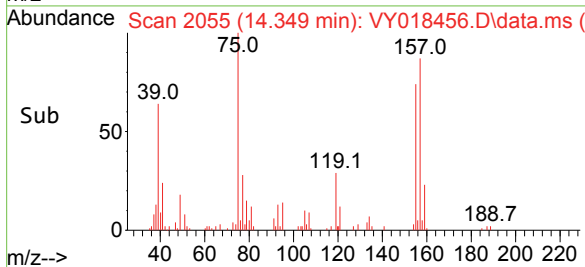
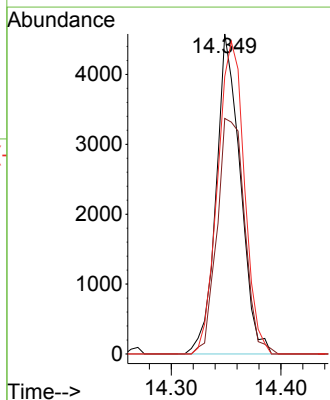
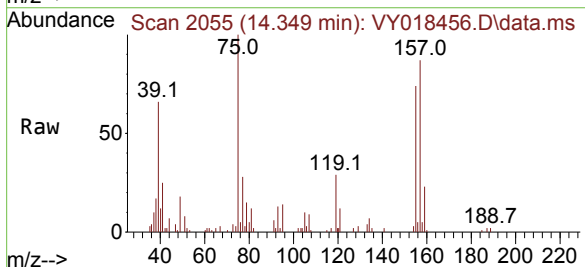
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

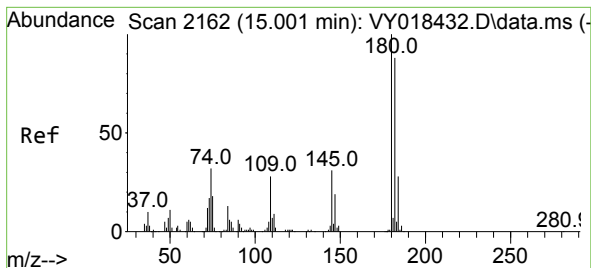
Tgt Ion:146 Resp: 113844  
 Ion Ratio Lower Upper  
 146 100  
 111 39.4 19.9 59.7  
 148 63.6 31.8 95.4



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 44.336 ug/l  
 RT: 14.349 min Scan# 2055  
 Delta R.T. 0.000 min  
 Lab File: VY018456.D  
 Acq: 04 Jun 2024 10:12

Tgt Ion: 75 Resp: 7006  
 Ion Ratio Lower Upper  
 75 100  
 155 83.9 48.6 145.8  
 157 108.4 62.7 188.2





#93

1,2,4-Trichlorobenzene

Concen: 50.954 ug/l

RT: 15.001 min Scan# 2162

Delta R.T. 0.000 min

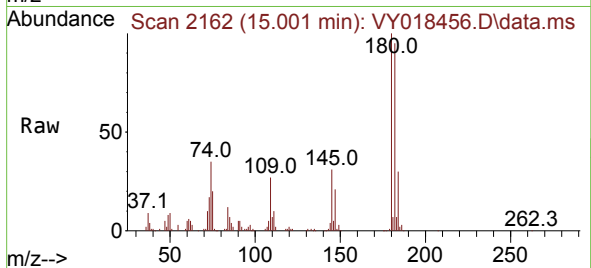
Lab File: VY018456.D

Acq: 04 Jun 2024 10:12

Instrument :

MSVOA\_Y

ClientSampleId :



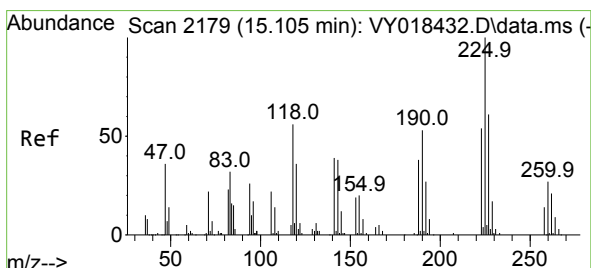
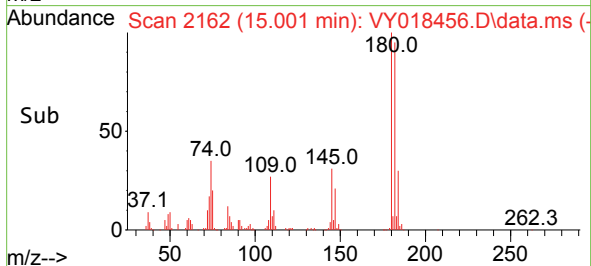
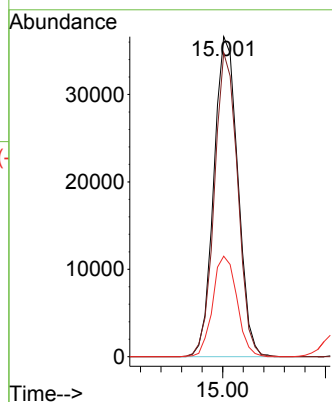
Tgt Ion:180 Resp: 59246

Ion Ratio Lower Upper

180 100

182 92.3 47.9 143.8

145 31.7 14.2 42.6



#94

Hexachlorobutadiene

Concen: 47.633 ug/l

RT: 15.111 min Scan# 2180

Delta R.T. 0.006 min

Lab File: VY018456.D

Acq: 04 Jun 2024 10:12

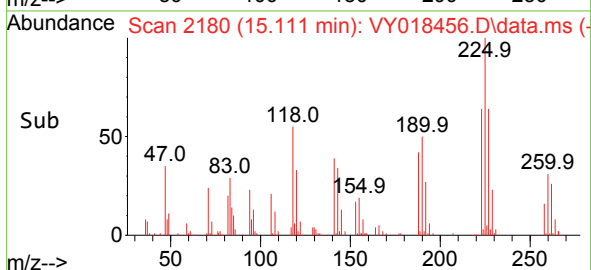
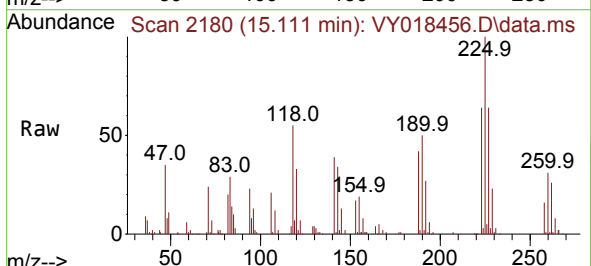
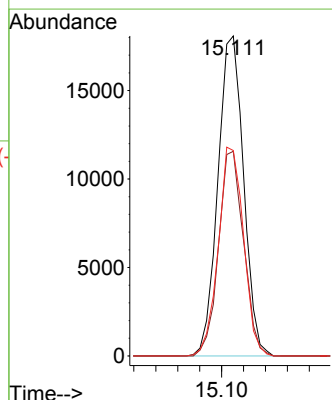
Tgt Ion:225 Resp: 29415

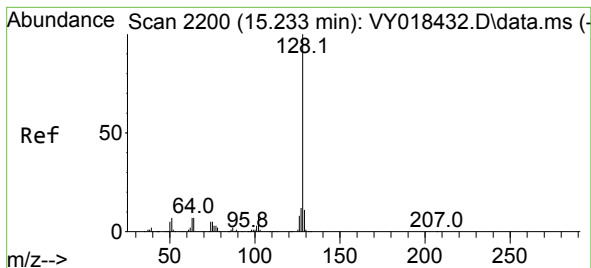
Ion Ratio Lower Upper

225 100

223 62.2 30.4 91.2

227 64.1 31.9 95.9





#95

Naphthalene

Concen: 49.614 ug/l

RT: 15.233 min Scan# 2200

Delta R.T. 0.000 min

Lab File: VY018456.D

Acq: 04 Jun 2024 10:12

Instrument :

MSVOA\_Y

ClientSampleId :

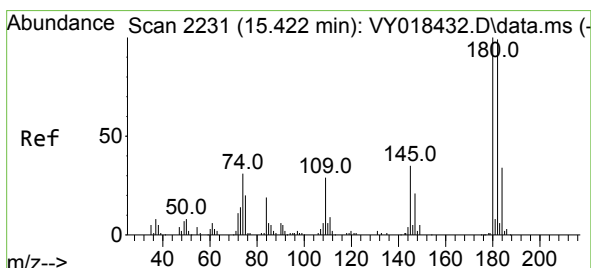
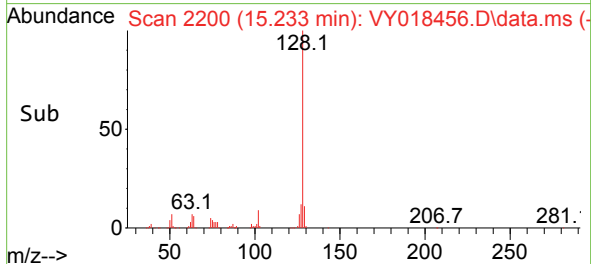
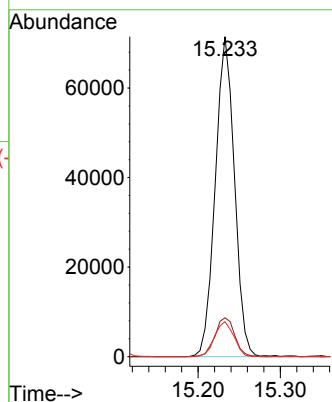
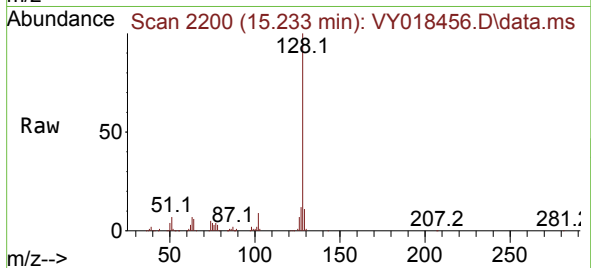
Tgt Ion:128 Resp: 115858

Ion Ratio Lower Upper

128 100

127 12.6 10.6 16.0

129 11.0 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 50.549 ug/l

RT: 15.422 min Scan# 2231

Delta R.T. 0.000 min

Lab File: VY018456.D

Acq: 04 Jun 2024 10:12

Tgt Ion:180 Resp: 49729

Ion Ratio Lower Upper

180 100

182 93.1 47.6 142.9

145 32.3 15.4 46.1

