

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY101823\  
 Data File : VY016018.D  
 Acq On : 18 Oct 2023 13:02  
 Operator : SY/MD  
 Sample : VSTDIC100  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Oct 19 02:57:01 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y101823S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 19 02:50:45 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 228691   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 361193   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.489 | 117  | 330141   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 163873   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |             |      |
|-----------------------------|--------|-------|----------|----------|-------------|------|
| System Monitoring Compounds |        |       |          |          |             |      |
| 33) 1,2-Dichloroethane-d4   | 8.143  | 65    | 242097   | 93.142   | ug/l        | 0.00 |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 186.280%# |      |
| 35) Dibromofluoromethane    | 7.716  | 113   | 228175   | 95.976   | ug/l        | 0.00 |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 191.960%# |      |
| 50) Toluene-d8              | 10.179 | 98    | 834866   | 96.691   | ug/l        | 0.00 |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | = 193.380%# |      |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 297308   | 96.501   | ug/l        | 0.00 |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | = 193.000%# |      |

|                              |       |     |         |         |        |     |
|------------------------------|-------|-----|---------|---------|--------|-----|
| Target Compounds             |       |     |         |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.906 | 85  | 187141  | 99.011  | ug/l   | 97  |
| 3) Chloromethane             | 2.107 | 50  | 224766  | 94.179  | ug/l   | 99  |
| 4) Vinyl Chloride            | 2.247 | 62  | 255159  | 95.263  | ug/l   | 98  |
| 5) Bromomethane              | 2.625 | 94  | 168097  | 86.034  | ug/l   | 99  |
| 6) Chloroethane              | 2.778 | 64  | 170620  | 99.063  | ug/l   | 95  |
| 7) Trichlorofluoromethane    | 3.113 | 101 | 394686  | 96.827  | ug/l   | 99  |
| 8) Diethyl Ether             | 3.527 | 74  | 142455  | 98.920  | ug/l   | 85  |
| 9) 1,1,2-Trichlorotrifluo... | 3.893 | 101 | 228704  | 97.538  | ug/l   | 96  |
| 10) Methyl Iodide            | 4.082 | 142 | 307582  | 100.460 | ug/l   | 97  |
| 11) Tert butyl alcohol       | 4.972 | 59  | 181370  | 452.030 | ug/l # | 80  |
| 12) 1,1-Dichloroethene       | 3.869 | 96  | 216744  | 98.792  | ug/l   | 90  |
| 13) Acrolein                 | 3.729 | 56  | 151943  | 493.278 | ug/l   | 98  |
| 14) Allyl chloride           | 4.472 | 41  | 342839  | 99.936  | ug/l   | 94  |
| 15) Acrylonitrile            | 5.161 | 53  | 436900  | 508.534 | ug/l   | 98  |
| 16) Acetone                  | 3.948 | 43  | 500240  | 519.190 | ug/l   | 92  |
| 17) Carbon Disulfide         | 4.186 | 76  | 636742  | 99.068  | ug/l   | 98  |
| 18) Methyl Acetate           | 4.472 | 43  | 335978  | 101.313 | ug/l   | 92  |
| 19) Methyl tert-butyl Ether  | 5.222 | 73  | 718718  | 101.546 | ug/l   | 99  |
| 20) Methylene Chloride       | 4.710 | 84  | 259072  | 90.511  | ug/l   | 90  |
| 21) trans-1,2-Dichloroethene | 5.216 | 96  | 252564  | 98.856  | ug/l   | 94  |
| 22) Diisopropyl ether        | 6.119 | 45  | 750752  | 100.503 | ug/l   | 91  |
| 23) Vinyl Acetate            | 6.058 | 43  | 2395186 | 516.905 | ug/l # | 93  |
| 24) 1,1-Dichloroethane       | 6.015 | 63  | 432261  | 97.541  | ug/l   | 97  |
| 25) 2-Butanone               | 6.984 | 43  | 677348  | 513.243 | ug/l   | 95  |
| 26) 2,2-Dichloropropane      | 6.978 | 77  | 396799  | 99.517  | ug/l   | 98  |
| 27) cis-1,2-Dichloroethene   | 6.984 | 96  | 288865  | 98.175  | ug/l   | 93  |
| 28) Bromochloromethane       | 7.332 | 49  | 191076  | 100.817 | ug/l   | 91  |
| 29) Tetrahydrofuran          | 7.350 | 42  | 411274  | 514.840 | ug/l   | 90  |
| 30) Chloroform               | 7.502 | 83  | 458266  | 96.445  | ug/l   | 97  |
| 31) Cyclohexane              | 7.783 | 56  | 388090  | 95.394  | ug/l   | 92  |
| 32) 1,1,1-Trichloroethane    | 7.704 | 97  | 417450  | 98.190  | ug/l   | 98  |
| 36) 1,1-Dichloropropene      | 7.917 | 75  | 357953  | 100.076 | ug/l   | 99  |
| 37) Ethyl Acetate            | 7.076 | 43  | 268506  | 104.142 | ug/l # | 95  |
| 38) Carbon Tetrachloride     | 7.899 | 117 | 380533  | 100.097 | ug/l   | 99  |
| 39) Methylcyclohexane        | 9.185 | 83  | 458367  | 102.542 | ug/l   | 93  |
| 40) Benzene                  | 8.161 | 78  | 1002312 | 99.426  | ug/l   | 100 |

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 Sample : VSTDIC100  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Oct 19 02:57:01 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y101823S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 19 02:50:45 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.344  | 41   | 363503   | 280.015  | ug/l # | 17       |
| 42) 1,2-Dichloroethane        | 8.234  | 62   | 321541   | 99.019   | ug/l   | 94       |
| 43) Isopropyl Acetate         | 8.271  | 43   | 474601   | 105.287  | ug/l   | 96       |
| 44) Trichloroethene           | 8.941  | 130  | 280841   | 99.358   | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 9.216  | 63   | 254318   | 100.804  | ug/l   | 97       |
| 46) Dibromomethane            | 9.307  | 93   | 168596   | 100.660  | ug/l   | 97       |
| 47) Bromodichloromethane      | 9.496  | 83   | 366840   | 99.931   | ug/l   | 97       |
| 48) Methyl methacrylate       | 9.295  | 41   | 218295   | 106.389  | ug/l   | 88       |
| 49) 1,4-Dioxane               | 9.301  | 88   | 60447    | 2266.483 | ug/l # | 55       |
| 51) 4-Methyl-2-Pentanone      | 10.069 | 43   | 1339079  | 516.581  | ug/l   | 91       |
| 52) Toluene                   | 10.246 | 92   | 656163   | 100.351  | ug/l   | 94       |
| 53) t-1,3-Dichloropropene     | 10.465 | 75   | 414335   | 104.192  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 9.929  | 75   | 442922   | 102.179  | ug/l   | 90       |
| 55) 1,1,2-Trichloroethane     | 10.642 | 97   | 233060   | 101.285  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.508 | 69   | 361033   | 107.361  | ug/l # | 85       |
| 57) 1,3-Dichloropropane       | 10.788 | 76   | 393614   | 100.835  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 9.782  | 63   | 846245   | 523.916  | ug/l   | 94       |
| 59) 2-Hexanone                | 10.831 | 43   | 1034894  | 524.740  | ug/l   | 88       |
| 60) Dibromochloromethane      | 10.983 | 129  | 282750   | 101.605  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.087 | 107  | 236992   | 101.203  | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.721 | 164  | 250821   | 97.977   | ug/l   | 97       |
| 65) Chlorobenzene             | 11.514 | 112  | 706538   | 98.819   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.593 | 131  | 266981   | 99.069   | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.593 | 91   | 1272110  | 100.547  | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.703 | 106  | 988336   | 200.329  | ug/l   | 94       |
| 69) o-Xylene                  | 12.032 | 106  | 474059   | 101.004  | ug/l   | 97       |
| 70) Styrene                   | 12.044 | 104  | 815141   | 101.902  | ug/l   | 96       |
| 71) Bromoform                 | 12.209 | 173  | 195316   | 103.000  | ug/l # | 100      |
| 73) Isopropylbenzene          | 12.331 | 105  | 1243642  | 101.453  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.142 | 43   | 420773   | 108.676  | ug/l # | 90       |
| 75) 1,1,2,2-Tetrachloroethane | 12.581 | 83   | 313524   | 102.118  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.630 | 75   | 405610   | 175.470  | ug/l # | 100      |
| 77) Bromobenzene              | 12.611 | 156  | 296642   | 99.701   | ug/l   | 97       |
| 78) n-propylbenzene           | 12.672 | 91   | 1496929  | 101.385  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.758 | 91   | 834588   | 100.704  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.812 | 105  | 1025434  | 100.993  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-b... | 12.380 | 75   | 115715   | 108.864  | ug/l   | 92       |
| 82) 4-Chlorotoluene           | 12.855 | 91   | 871057   | 100.708  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.075 | 119  | 906735   | 101.843  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 13.117 | 105  | 1017389  | 100.904  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.251 | 105  | 1342532  | 100.964  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.367 | 119  | 1130812  | 101.763  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.367 | 146  | 580906   | 100.346  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.446 | 146  | 576162   | 98.850   | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.696 | 91   | 1050657  | 101.564  | ug/l   | 96       |
| 90) Hexachloroethane          | 13.959 | 117  | 215464   | 101.715  | ug/l   | 91       |
| 91) 1,2-Dichlorobenzene       | 13.739 | 146  | 527874   | 99.316   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.355 | 75   | 58250    | 99.669   | ug/l   | 88       |
| 93) 1,2,4-Trichlorobenzene    | 15.007 | 180  | 344667   | 101.792  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.111 | 225  | 178531   | 97.075   | ug/l   | 98       |
| 95) Naphthalene               | 15.233 | 128  | 873834   | 105.147  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.422 | 180  | 316652   | 102.383  | ug/l   | 99       |

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Sample : VSTDICC100  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

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Quant Title : SW846 8260  
QLast Update : Thu Oct 19 02:50:45 2023  
Response via : Initial Calibration

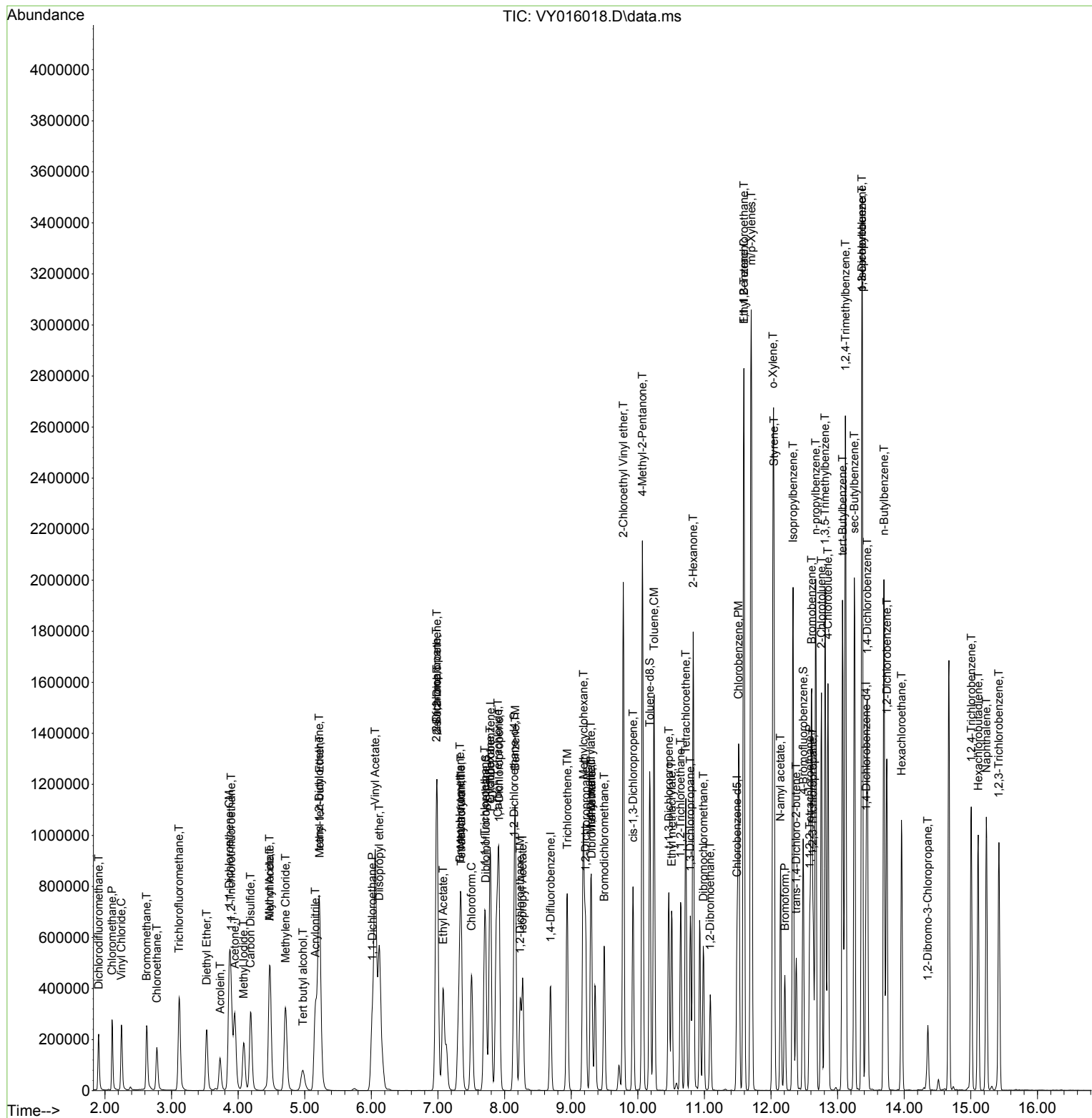
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

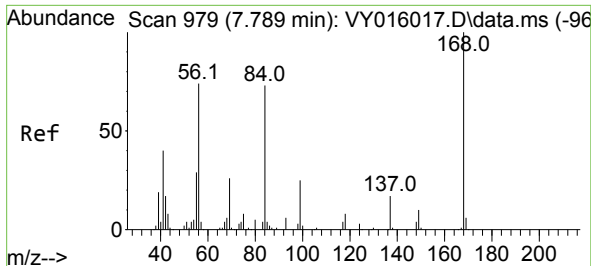
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Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY101823\  
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Instrument :  
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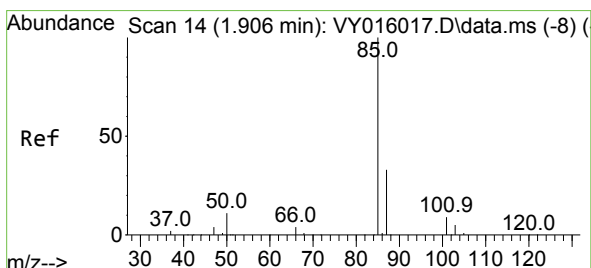
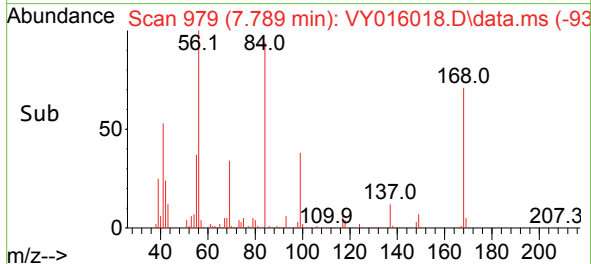
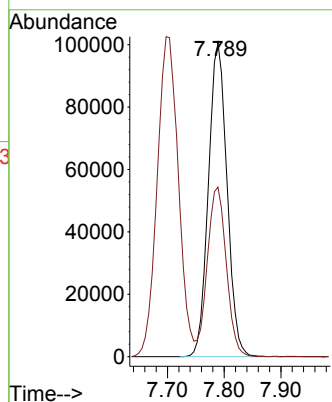
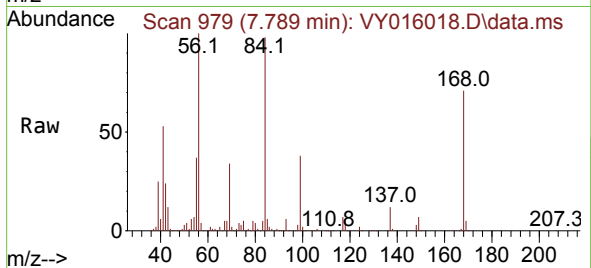




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY016018.D  
Acq: 18 Oct 2023 13:02

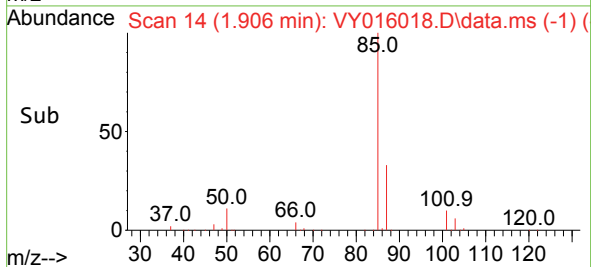
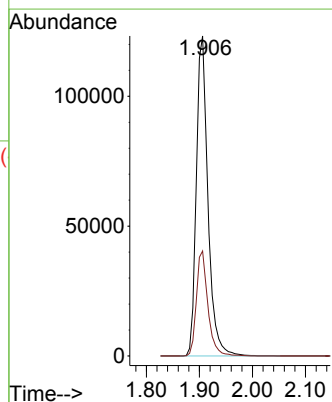
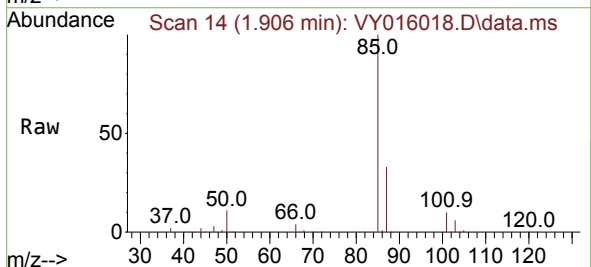
Instrument :  
MSVOA\_Y  
ClientSampleId :

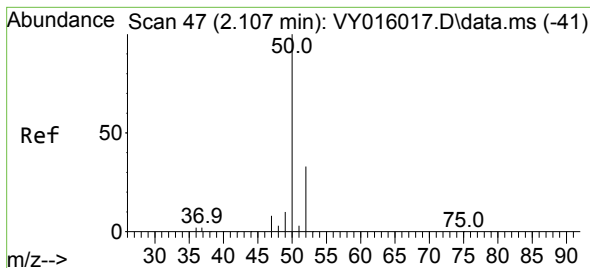
Tgt Ion:168 Resp: 228691  
Ion Ratio Lower Upper  
168 100  
99 54.0 43.4 65.0



#2  
Dichlorodifluoromethane  
Concen: 99.011 ug/l  
RT: 1.906 min Scan# 14  
Delta R.T. 0.000 min  
Lab File: VY016018.D  
Acq: 18 Oct 2023 13:02

Tgt Ion: 85 Resp: 187141  
Ion Ratio Lower Upper  
85 100  
87 32.8 15.6 46.8





#3

Chloromethane

Concen: 94.179 ug/l

RT: 2.107 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY016018.D

Acq: 18 Oct 2023 13:02

Instrument :

MSVOA\_Y

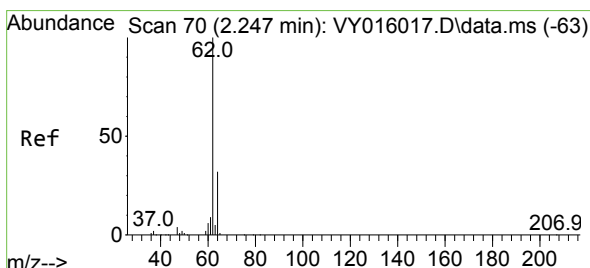
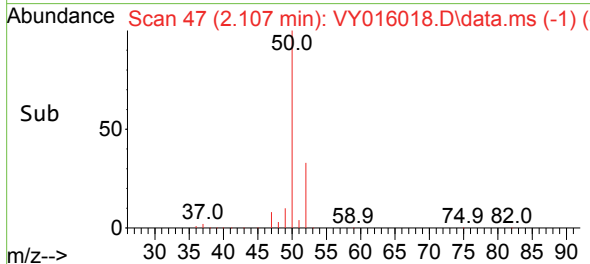
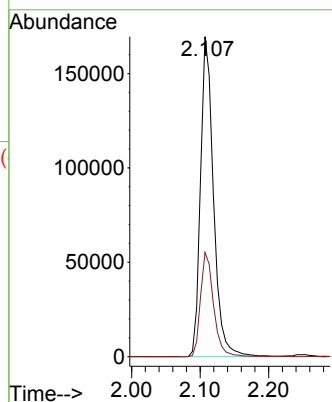
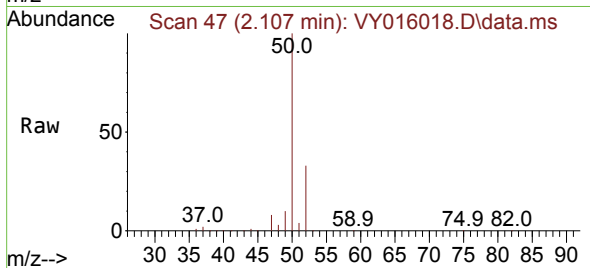
ClientSampleId :

Tgt Ion: 50 Resp: 224766

Ion Ratio Lower Upper

50 100

52 32.5 25.4 38.2



#4

Vinyl Chloride

Concen: 95.263 ug/l

RT: 2.247 min Scan# 70

Delta R.T. 0.000 min

Lab File: VY016018.D

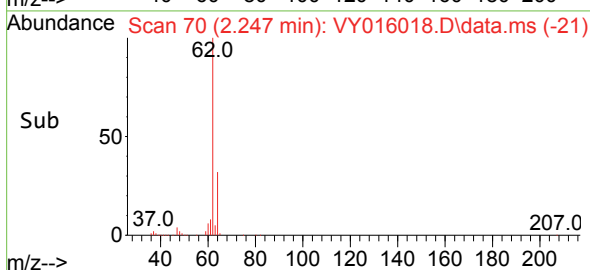
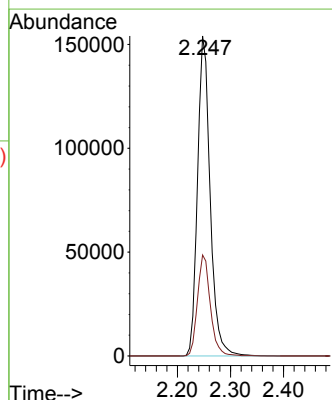
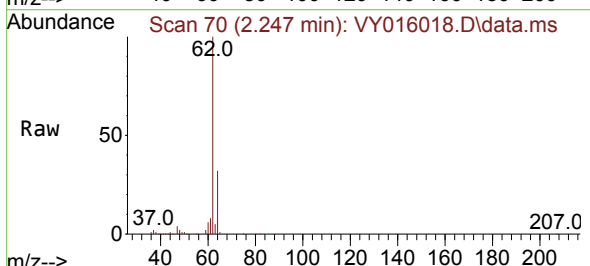
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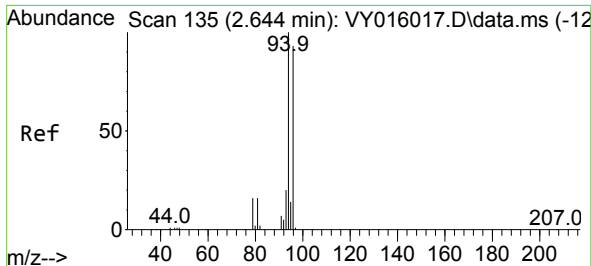
Tgt Ion: 62 Resp: 255159

Ion Ratio Lower Upper

62 100

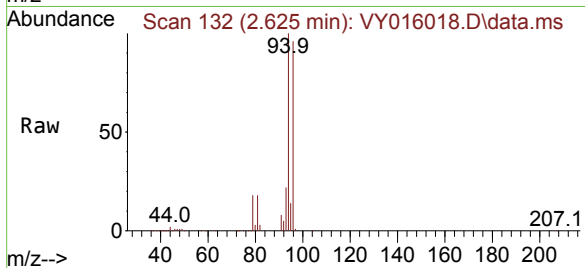
64 31.6 24.3 36.5



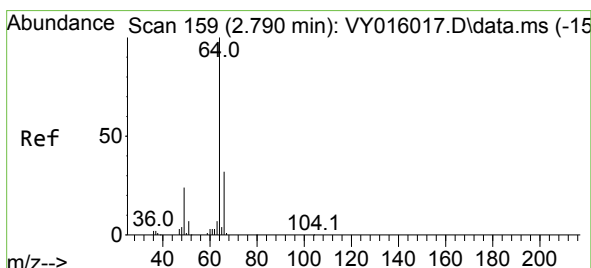
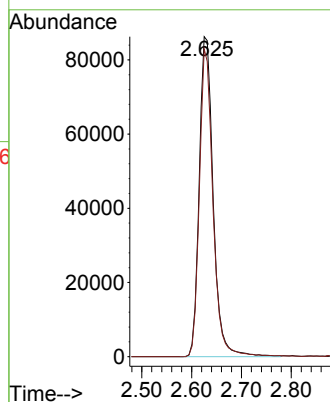
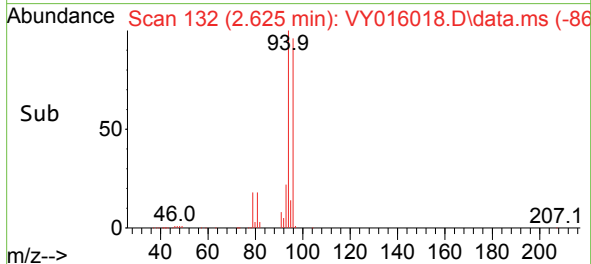


#5  
Bromomethane  
Concen: 86.034 ug/l  
RT: 2.625 min Scan# 11  
Delta R.T. -0.018 min  
Lab File: VY016018.D  
Acq: 18 Oct 2023 13:02

Instrument :  
MSVOA\_Y  
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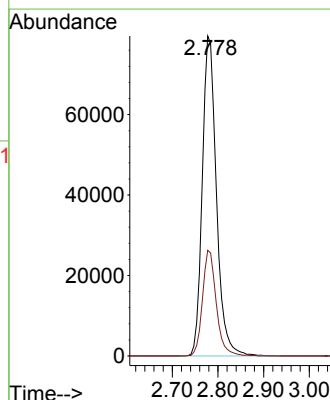
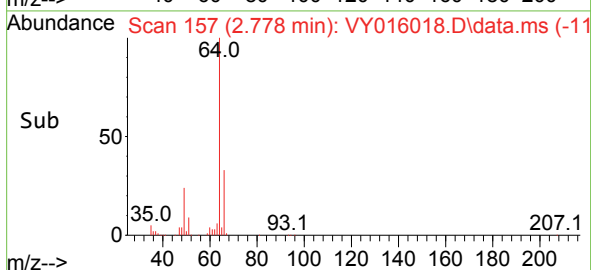
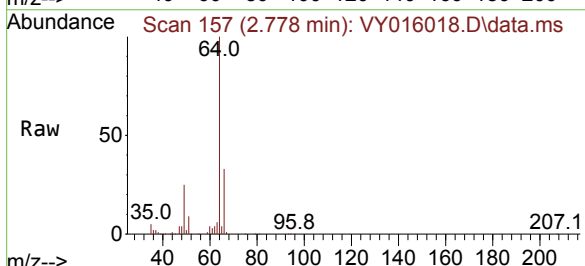


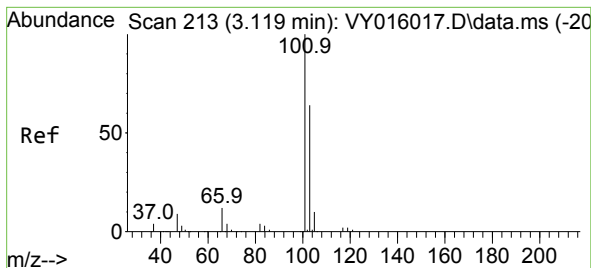
Tgt Ion: 94 Resp: 168097  
Ion Ratio Lower Upper  
94 100  
96 96.1 75.8 113.6



#6  
Chloroethane  
Concen: 99.063 ug/l  
RT: 2.778 min Scan# 157  
Delta R.T. -0.012 min  
Lab File: VY016018.D  
Acq: 18 Oct 2023 13:02

Tgt Ion: 64 Resp: 170620  
Ion Ratio Lower Upper  
64 100  
66 33.0 24.4 36.6





#7

Trichlorofluoromethane

Concen: 96.827 ug/l

RT: 3.113 min Scan# 21

Delta R.T. -0.006 min

Lab File: VY016018.D

Acq: 18 Oct 2023 13:02

Instrument :

MSVOA\_Y

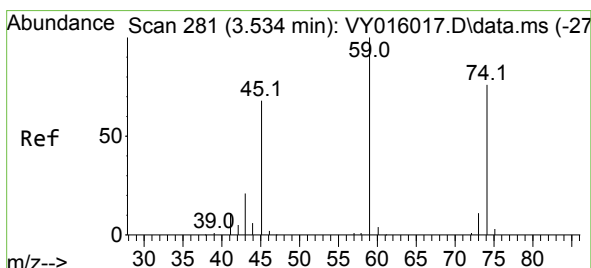
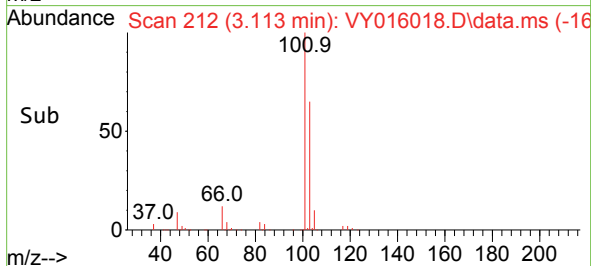
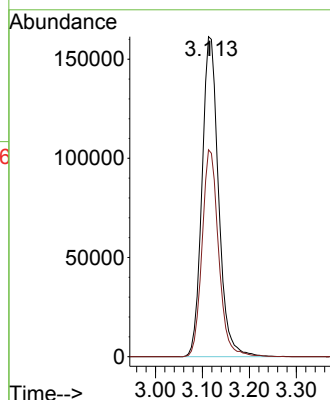
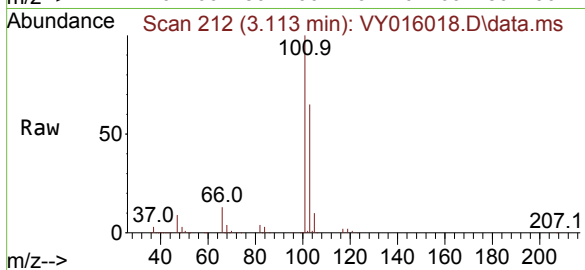
ClientSampleId :

Tgt Ion:101 Resp: 394686

Ion Ratio Lower Upper

101 100

103 64.7 51.4 77.0



#8

Diethyl Ether

Concen: 98.920 ug/l

RT: 3.527 min Scan# 280

Delta R.T. -0.006 min

Lab File: VY016018.D

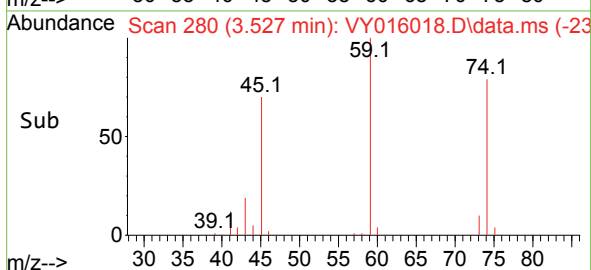
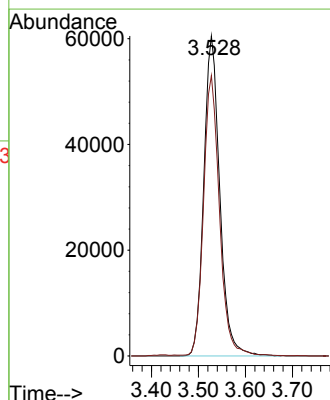
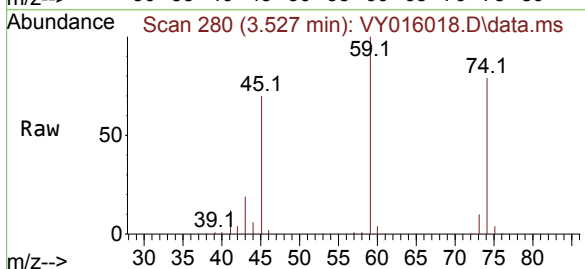
Acq: 18 Oct 2023 13:02

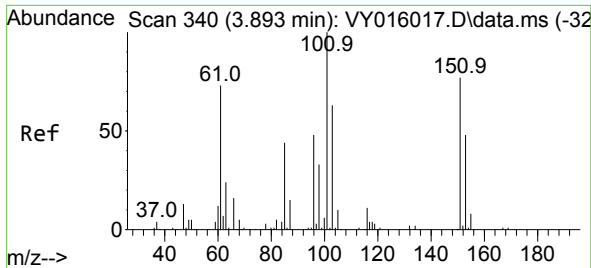
Tgt Ion: 74 Resp: 142455

Ion Ratio Lower Upper

74 100

45 87.5 51.5 154.5

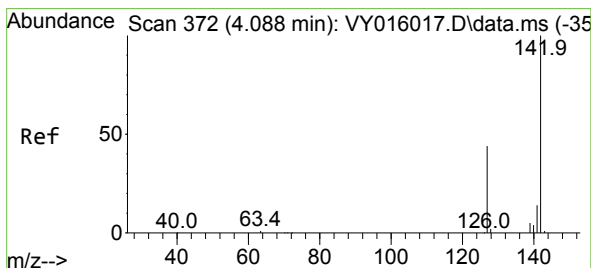
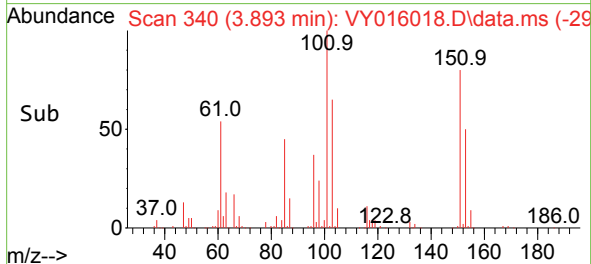
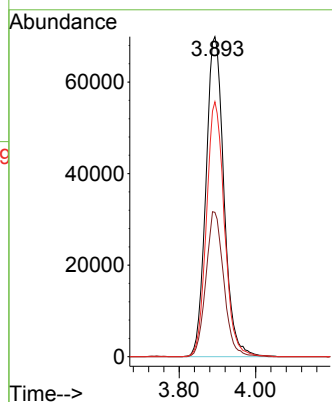
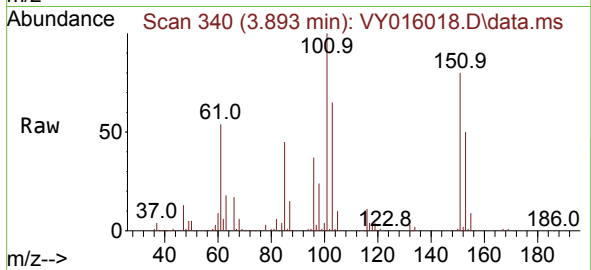




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 97.538 ug/l  
RT: 3.893 min Scan# 340  
Delta R.T. 0.000 min  
Lab File: VY016018.D  
Acq: 18 Oct 2023 13:02

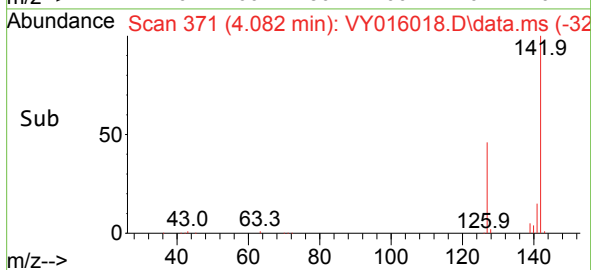
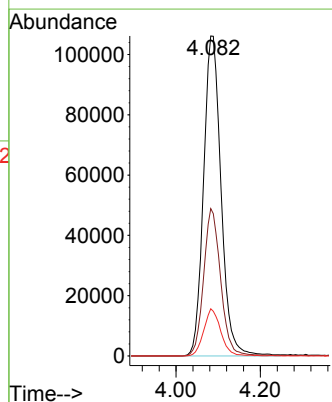
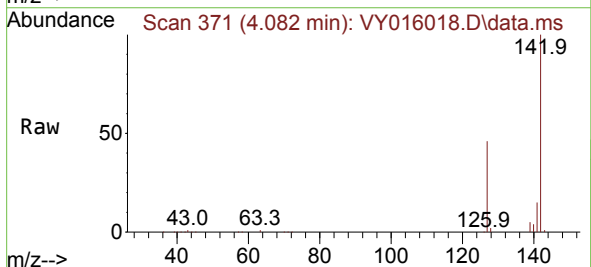
Instrument :  
MSVOA\_Y  
ClientSampleId :

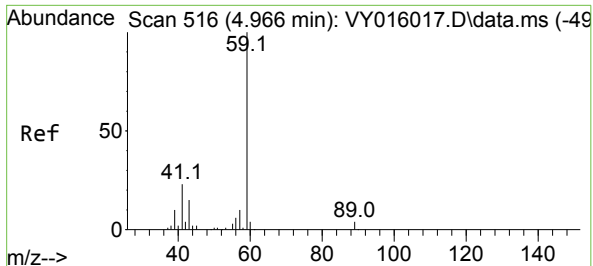
Tgt Ion:101 Resp: 228704  
Ion Ratio Lower Upper  
101 100  
85 44.9 36.6 55.0  
151 79.4 67.0 100.6



#10  
Methyl Iodide  
Concen: 100.460 ug/l  
RT: 4.082 min Scan# 371  
Delta R.T. -0.006 min  
Lab File: VY016018.D  
Acq: 18 Oct 2023 13:02

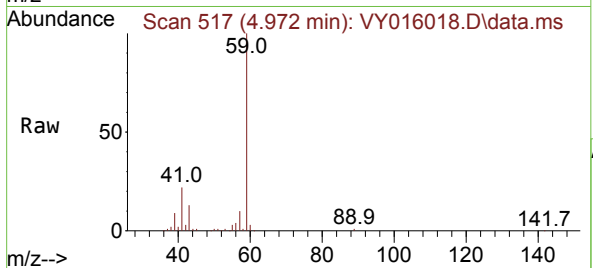
Tgt Ion:142 Resp: 307582  
Ion Ratio Lower Upper  
142 100  
127 44.6 37.6 56.4  
141 14.3 11.8 17.8



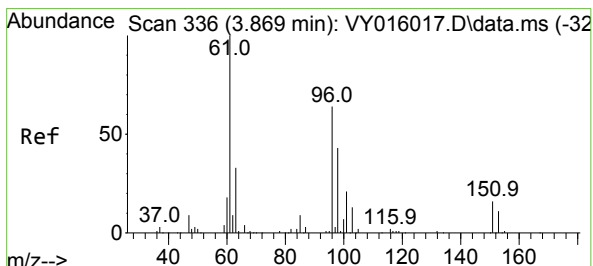
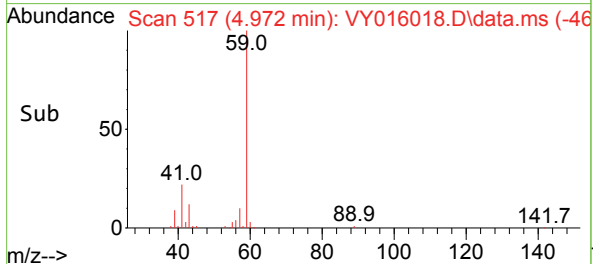
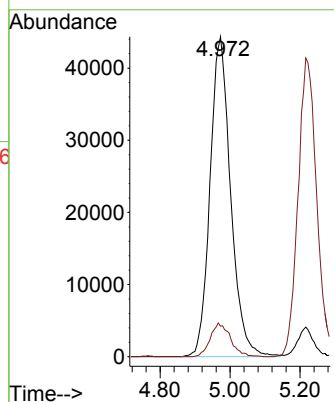


#11  
Tert butyl alcohol  
Concen: 452.030 ug/l  
RT: 4.972 min Scan# 516  
Delta R.T. 0.006 min  
Lab File: VY016018.D  
Acq: 18 Oct 2023 13:02

Instrument :  
MSVOA\_Y  
ClientSampleId :

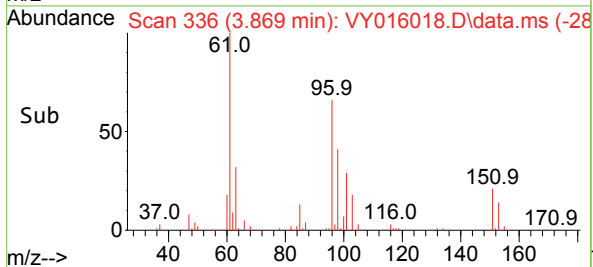
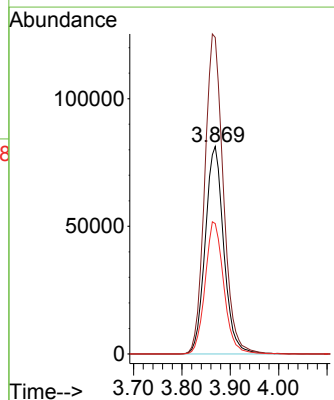
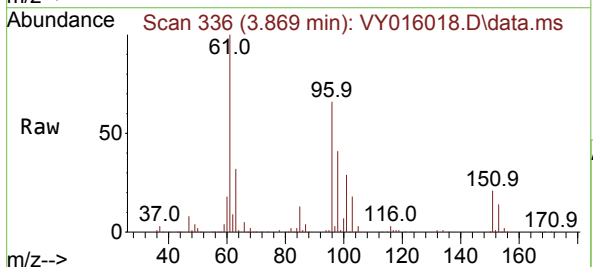


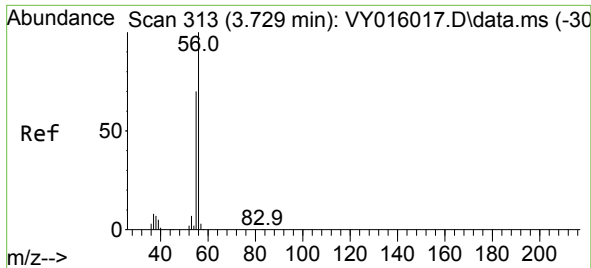
Tgt Ion: 59 Resp: 181370  
Ion Ratio Lower Upper  
59 100  
57 10.3 3.0 4.4#



#12  
1,1-Dichloroethene  
Concen: 98.792 ug/l  
RT: 3.869 min Scan# 336  
Delta R.T. 0.000 min  
Lab File: VY016018.D  
Acq: 18 Oct 2023 13:02

Tgt Ion: 96 Resp: 216744  
Ion Ratio Lower Upper  
96 100  
61 152.5 136.4 204.6  
98 62.9 49.4 74.2

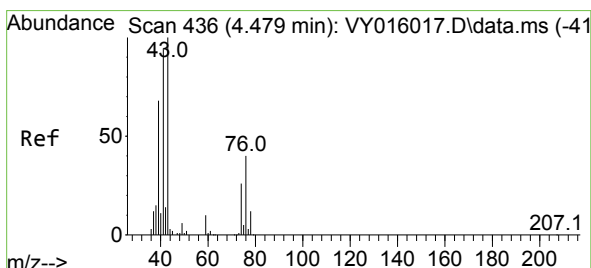
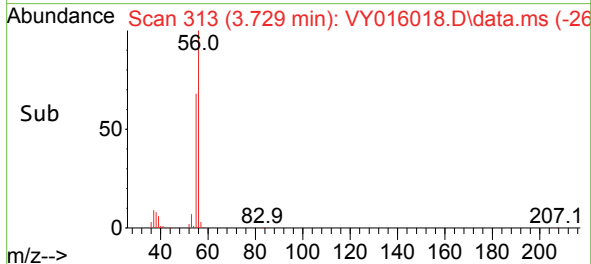
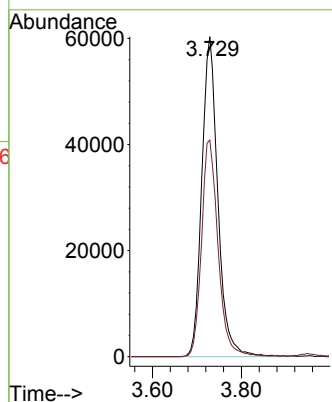
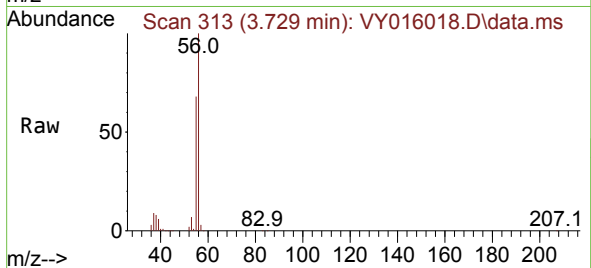




#13  
Acrolein  
Concen: 493.278 ug/l  
RT: 3.729 min Scan# 313  
Delta R.T. -0.000 min  
Lab File: VY016018.D  
Acq: 18 Oct 2023 13:02

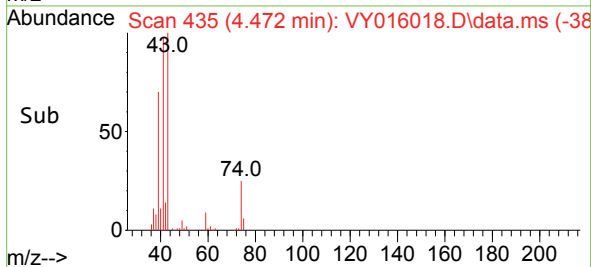
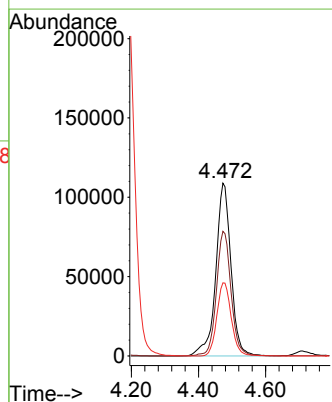
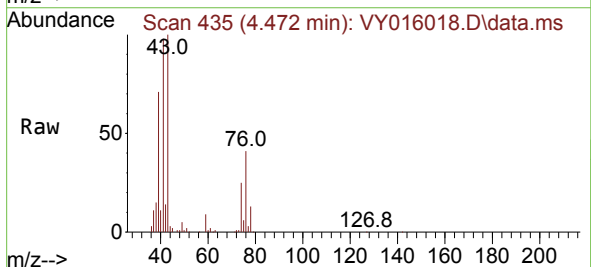
Instrument :  
MSVOA\_Y  
ClientSampleId :

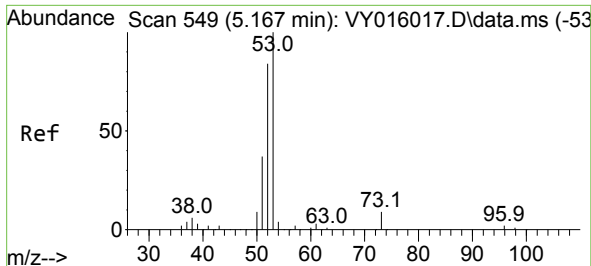
Tgt Ion: 56 Resp: 151943  
Ion Ratio Lower Upper  
56 100  
55 69.6 57.0 85.4



#14  
Allyl chloride  
Concen: 99.936 ug/l  
RT: 4.472 min Scan# 435  
Delta R.T. -0.006 min  
Lab File: VY016018.D  
Acq: 18 Oct 2023 13:02

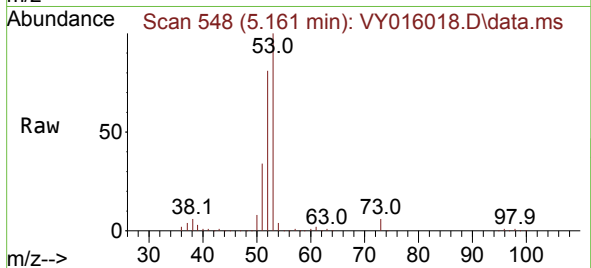
Tgt Ion: 41 Resp: 342839  
Ion Ratio Lower Upper  
41 100  
39 69.4 58.0 87.0  
76 40.1 27.4 41.2



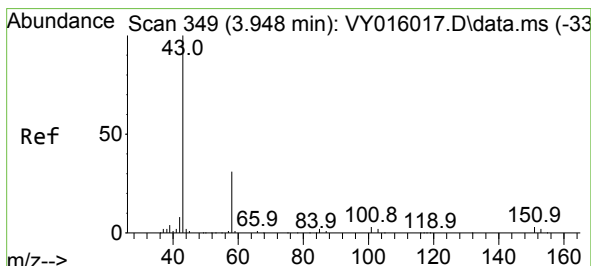
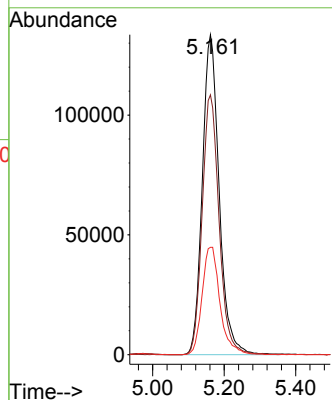
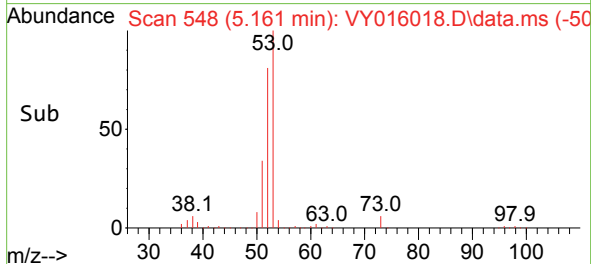


#15  
Acrylonitrile  
Concen: 508.534 ug/l  
RT: 5.161 min Scan# 549  
Delta R.T. -0.006 min  
Lab File: VY016018.D  
Acq: 18 Oct 2023 13:02

Instrument :  
MSVOA\_Y  
ClientSampleId :

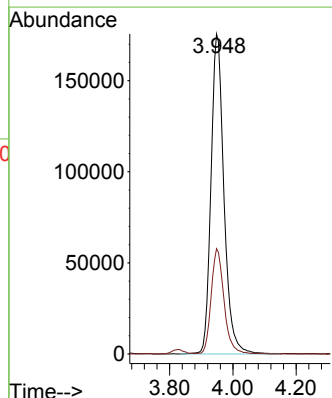
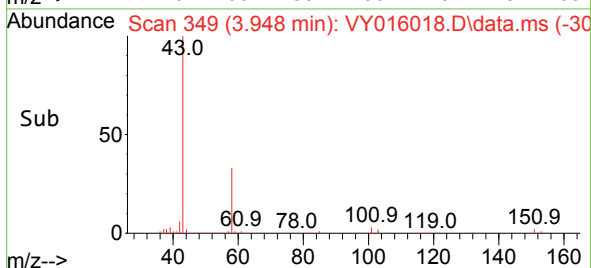
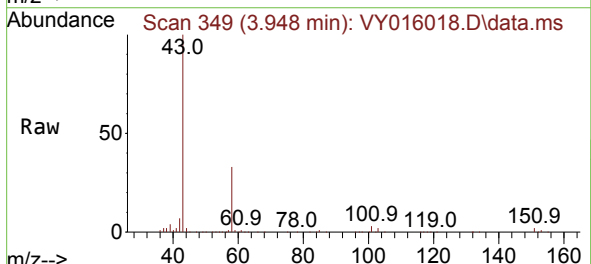


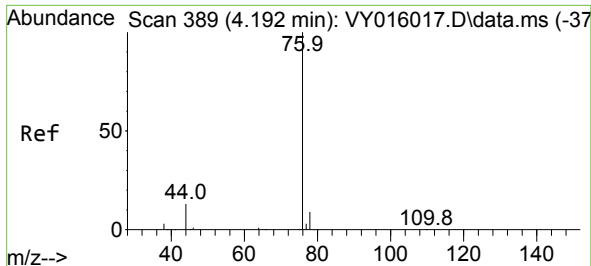
Tgt Ion: 53 Resp: 436900  
Ion Ratio Lower Upper  
53 100  
52 81.4 66.9 100.3  
51 35.8 29.8 44.6



#16  
Acetone  
Concen: 519.190 ug/l  
RT: 3.948 min Scan# 349  
Delta R.T. 0.000 min  
Lab File: VY016018.D  
Acq: 18 Oct 2023 13:02

Tgt Ion: 43 Resp: 500240  
Ion Ratio Lower Upper  
43 100  
58 32.9 22.7 34.1





#17

Carbon Disulfide

Concen: 99.068 ug/l

RT: 4.186 min Scan# 388

Delta R.T. -0.006 min

Lab File: VY016018.D

Acq: 18 Oct 2023 13:02

Instrument :

MSVOA\_Y

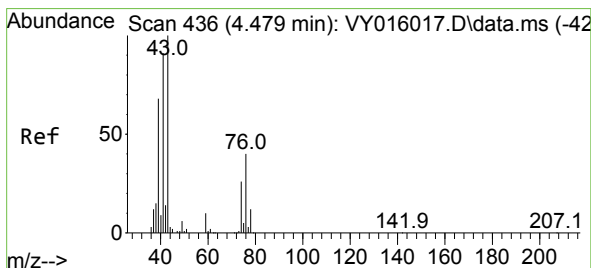
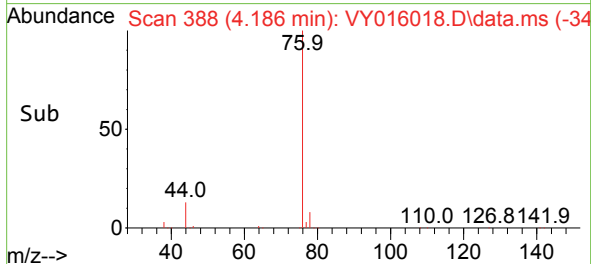
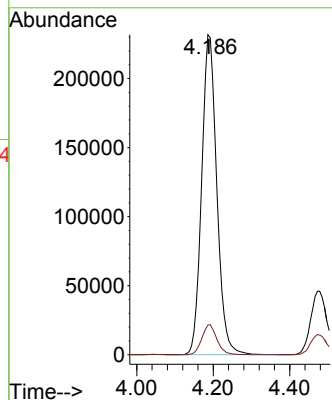
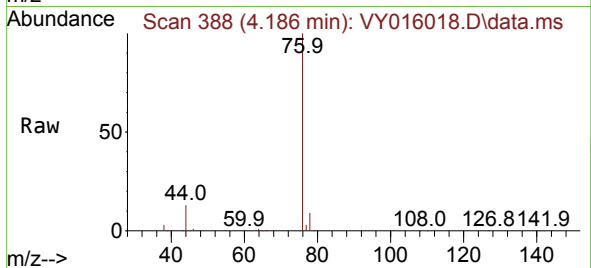
ClientSampleId :

Tgt Ion: 76 Resp: 636742

Ion Ratio Lower Upper

76 100

78 9.3 7.0 10.4



#18

Methyl Acetate

Concen: 101.313 ug/l

RT: 4.472 min Scan# 435

Delta R.T. -0.006 min

Lab File: VY016018.D

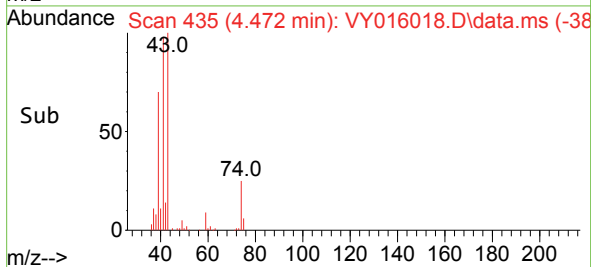
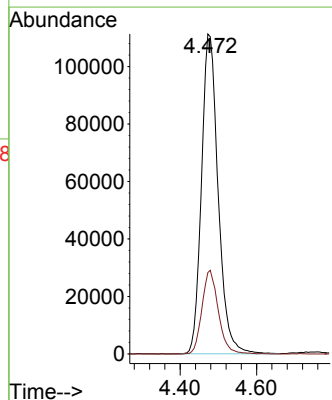
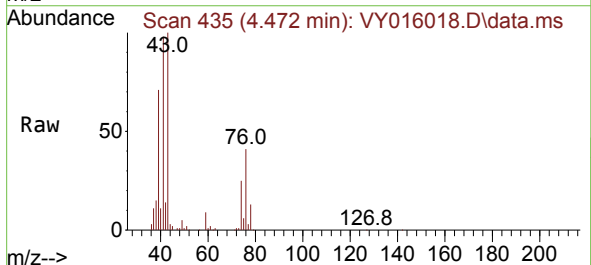
Acq: 18 Oct 2023 13:02

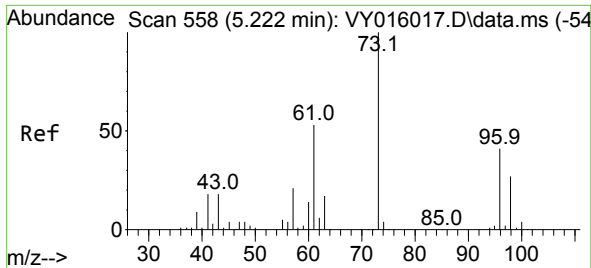
Tgt Ion: 43 Resp: 335978

Ion Ratio Lower Upper

43 100

74 25.7 17.4 26.0

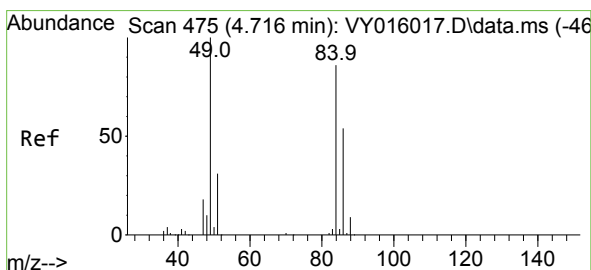
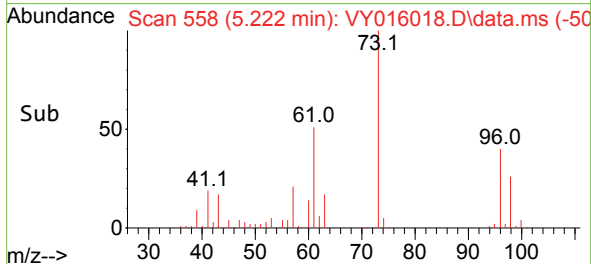
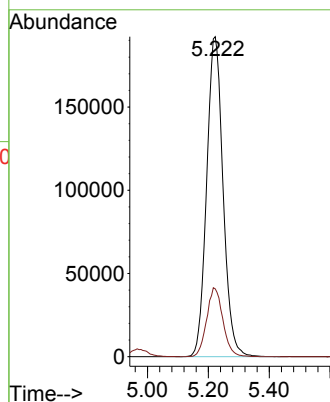
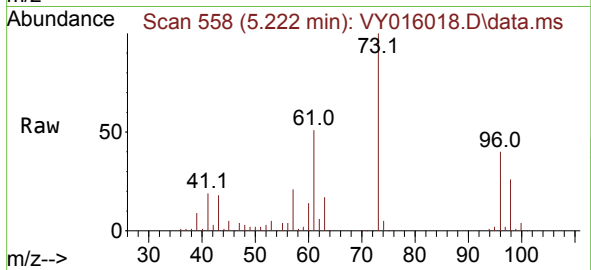




#19  
Methyl tert-butyl Ether  
Concen: 101.546 ug/l  
RT: 5.222 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: VY016018.D  
Acq: 18 Oct 2023 13:02

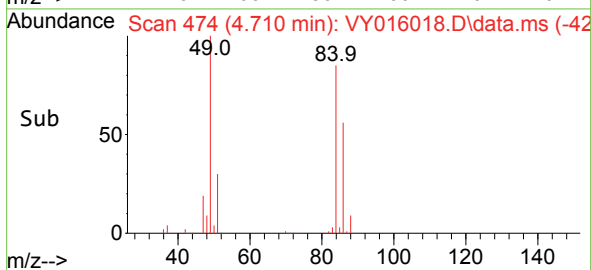
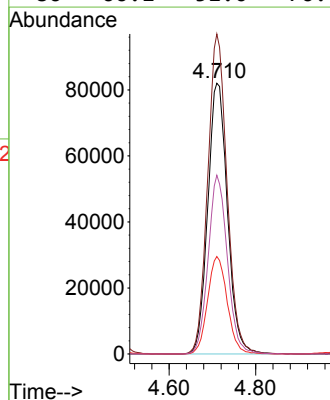
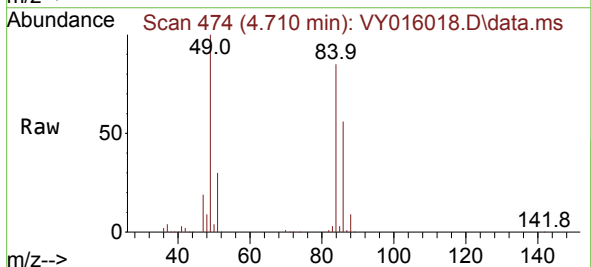
Instrument :  
MSVOA\_Y  
ClientSampleId :

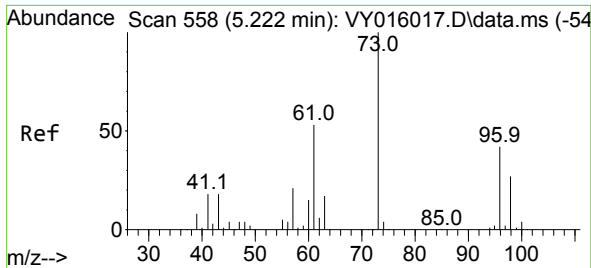
Tgt Ion: 73 Resp: 718718  
Ion Ratio Lower Upper  
73 100  
57 21.2 17.3 25.9



#20  
Methylene Chloride  
Concen: 90.511 ug/l  
RT: 4.710 min Scan# 474  
Delta R.T. -0.006 min  
Lab File: VY016018.D  
Acq: 18 Oct 2023 13:02

Tgt Ion: 84 Resp: 259072  
Ion Ratio Lower Upper  
84 100  
49 118.2 106.9 160.3  
51 36.0 33.2 49.8  
86 66.1 51.0 76.6

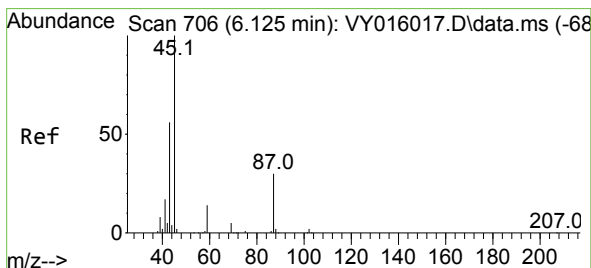
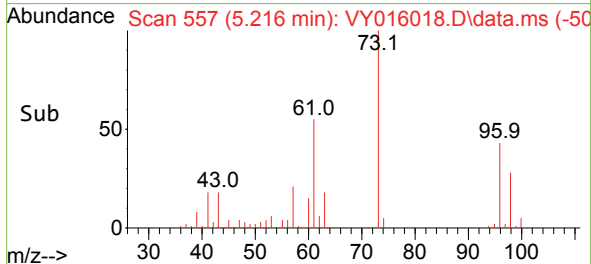
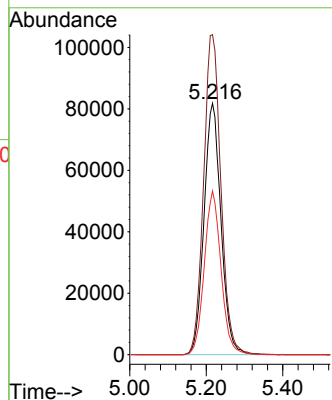
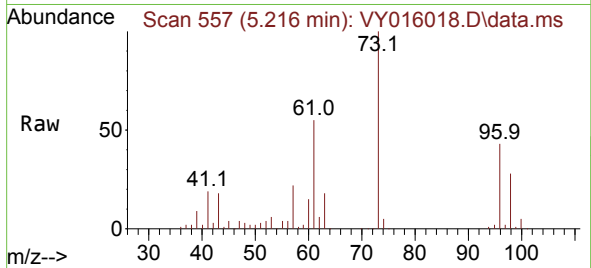




#21  
trans-1,2-Dichloroethene  
Concen: 98.856 ug/l  
RT: 5.216 min Scan# 51  
Delta R.T. -0.006 min  
Lab File: VY016018.D  
Acq: 18 Oct 2023 13:02

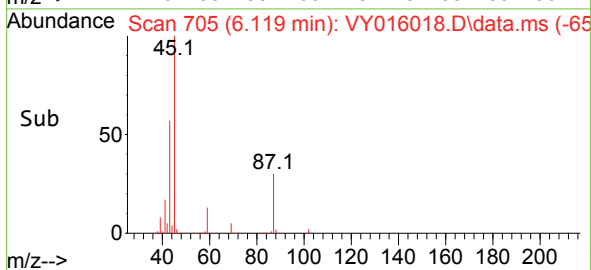
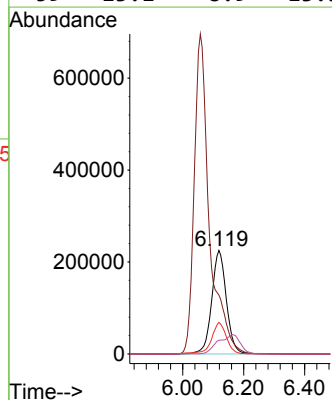
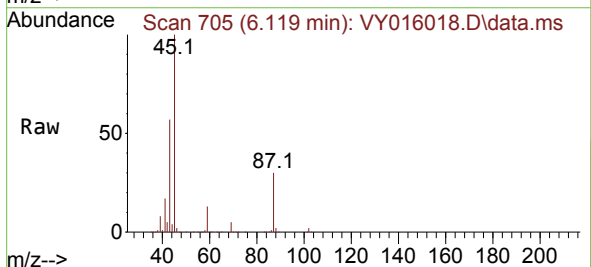
Instrument :  
MSVOA\_Y  
ClientSampleId :

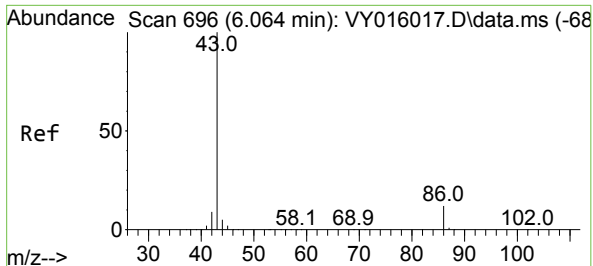
Tgt Ion: 96 Resp: 252564  
Ion Ratio Lower Upper  
96 100  
61 127.3 110.2 165.4  
98 65.1 51.8 77.6



#22  
Diisopropyl ether  
Concen: 100.503 ug/l  
RT: 6.119 min Scan# 705  
Delta R.T. -0.006 min  
Lab File: VY016018.D  
Acq: 18 Oct 2023 13:02

Tgt Ion: 45 Resp: 750752  
Ion Ratio Lower Upper  
45 100  
43 56.8 52.2 78.4  
87 30.4 21.0 31.6  
59 13.1 8.9 13.3

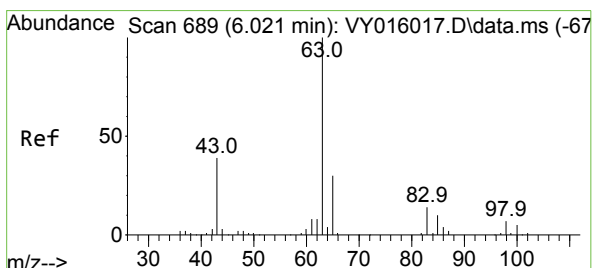
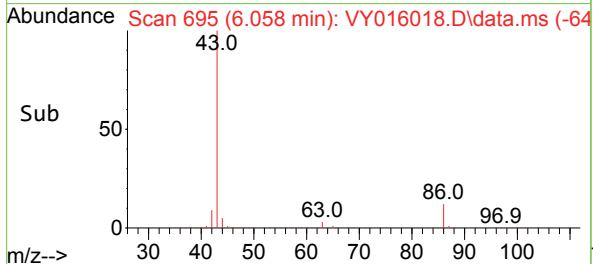
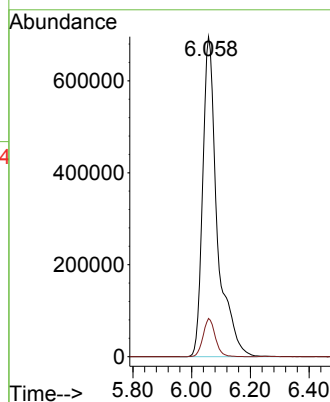
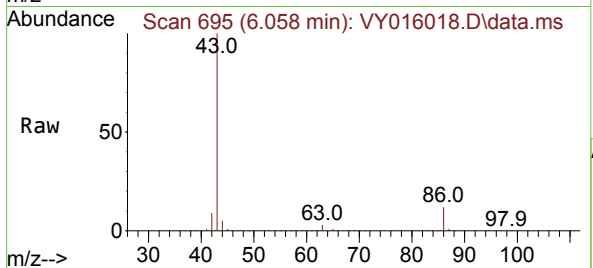




#23  
 Vinyl Acetate  
 Concen: 516.905 ug/l  
 RT: 6.058 min Scan# 695  
 Delta R.T. -0.006 min  
 Lab File: VY016018.D  
 Acq: 18 Oct 2023 13:02

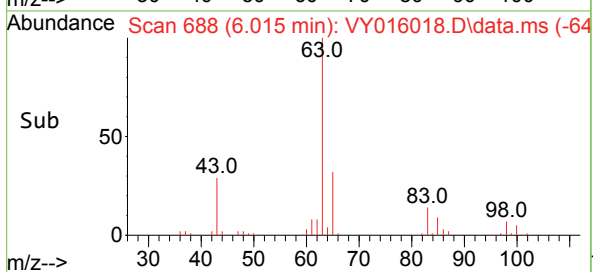
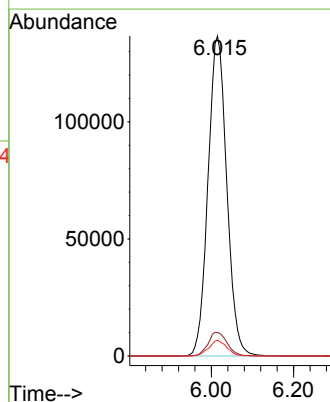
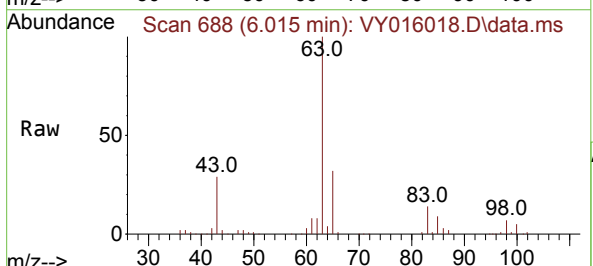
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

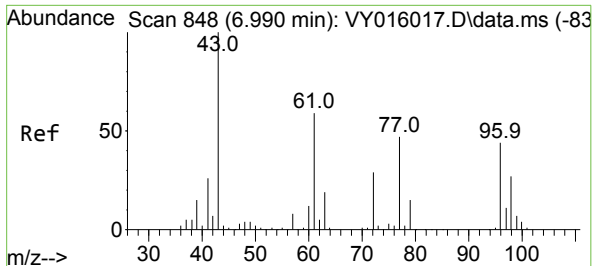
Tgt Ion: 43 Resp: 2395186  
 Ion Ratio Lower Upper  
 43 100  
 86 11.9 7.5 11.3#



#24  
 1,1-Dichloroethane  
 Concen: 97.541 ug/l  
 RT: 6.015 min Scan# 688  
 Delta R.T. -0.006 min  
 Lab File: VY016018.D  
 Acq: 18 Oct 2023 13:02

Tgt Ion: 63 Resp: 432261  
 Ion Ratio Lower Upper  
 63 100  
 98 7.3 3.1 9.4  
 100 4.9 1.8 5.5





#25

2-Butanone

Concen: 513.243 ug/l

RT: 6.984 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY016018.D

Acq: 18 Oct 2023 13:02

Instrument :

MSVOA\_Y

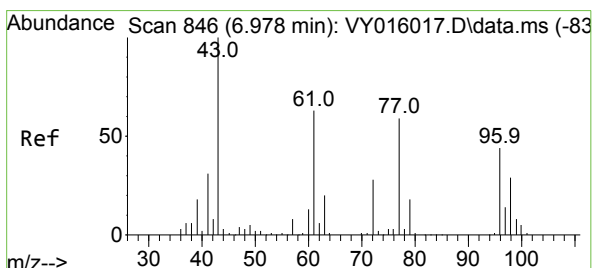
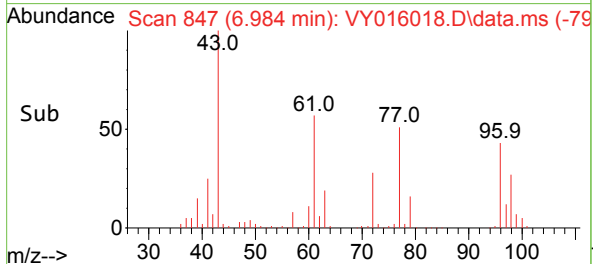
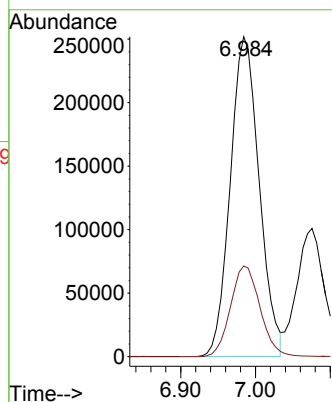
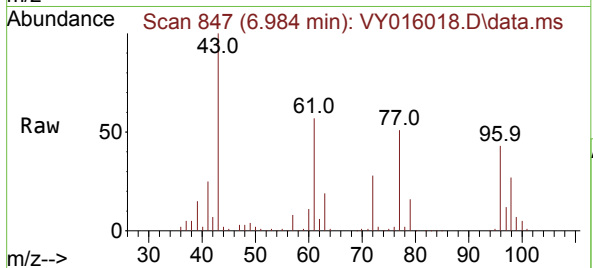
ClientSampleId :

Tgt Ion: 43 Resp: 677348

Ion Ratio Lower Upper

43 100

72 28.4 20.5 30.7



#26

2,2-Dichloropropane

Concen: 99.517 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.000 min

Lab File: VY016018.D

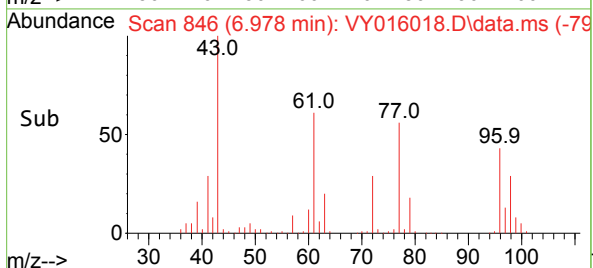
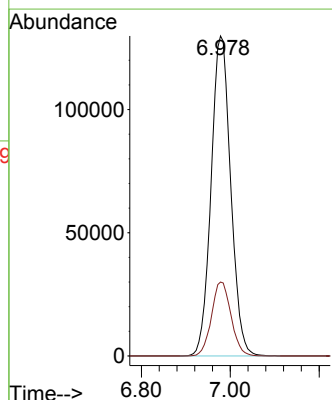
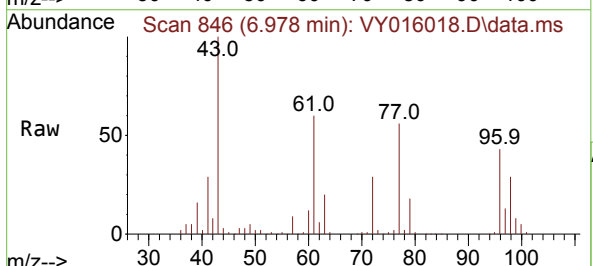
Acq: 18 Oct 2023 13:02

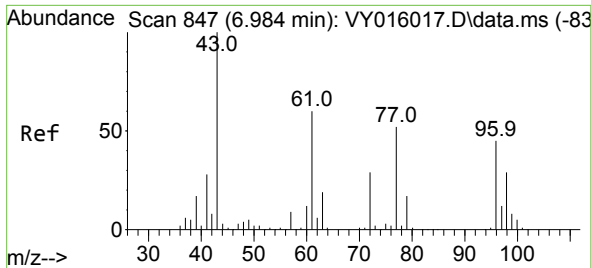
Tgt Ion: 77 Resp: 396799

Ion Ratio Lower Upper

77 100

97 23.0 10.9 32.9



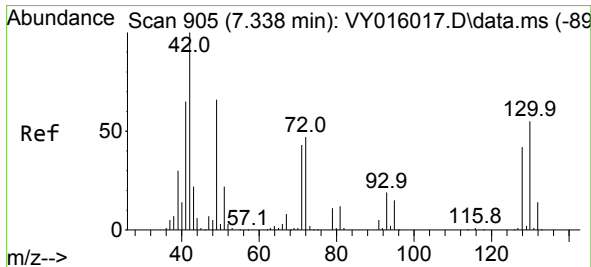
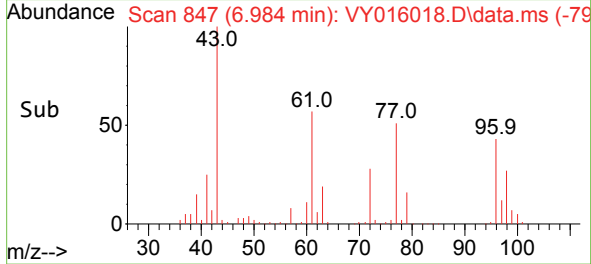
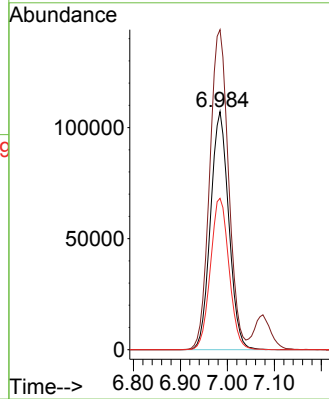
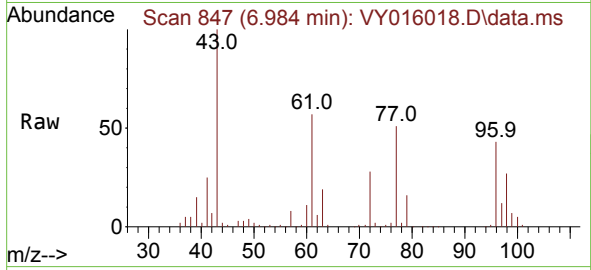


#27  
 cis-1,2-Dichloroethene  
 Concen: 98.175 ug/l  
 RT: 6.984 min Scan# 847  
 Delta R.T. 0.000 min  
 Lab File: VY016018.D  
 Acq: 18 Oct 2023 13:02

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Tgt Ion: 96 Resp: 288865  

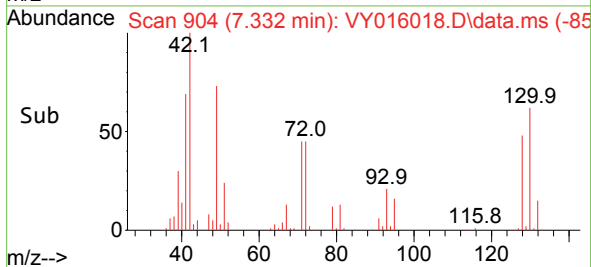
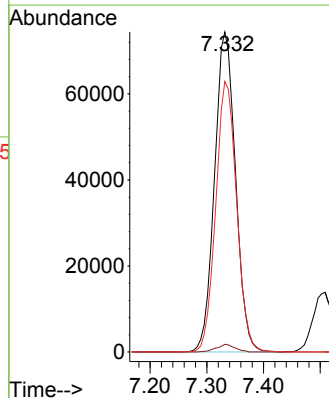
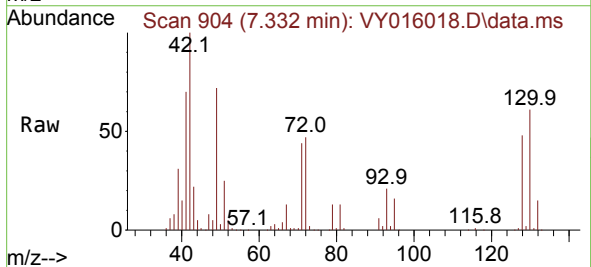
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 138.8 | 0.0   | 301.4 |
| 98  | 64.8  | 0.0   | 130.4 |

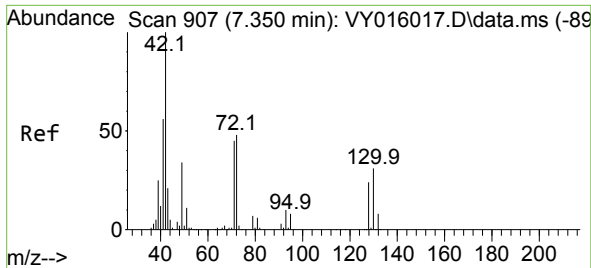


#28  
 Bromochloromethane  
 Concen: 100.817 ug/l  
 RT: 7.332 min Scan# 904  
 Delta R.T. -0.006 min  
 Lab File: VY016018.D  
 Acq: 18 Oct 2023 13:02

Tgt Ion: 49 Resp: 191076  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 49  | 100   |       |       |
| 129 | 2.1   | 0.0   | 4.6   |
| 130 | 84.2  | 60.7  | 91.1  |





#29

Tetrahydrofuran

Concen: 514.840 ug/l

RT: 7.350 min Scan# 907

Delta R.T. 0.000 min

Lab File: VY016018.D

Acq: 18 Oct 2023 13:02

Instrument :

MSVOA\_Y

ClientSampleId :

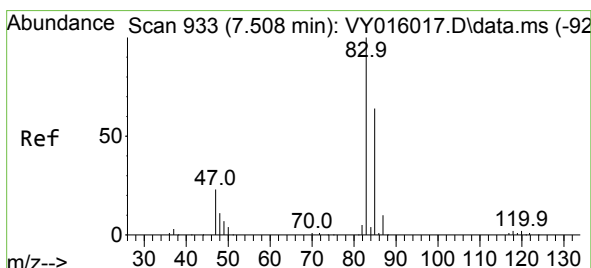
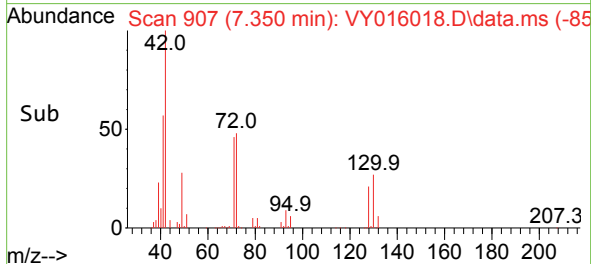
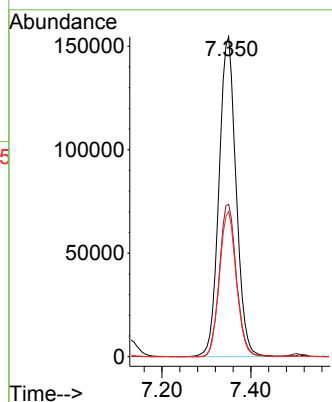
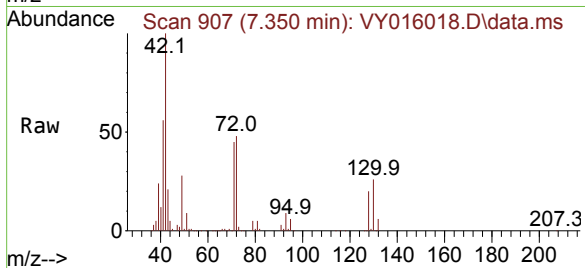
Tgt Ion: 42 Resp: 411274

Ion Ratio Lower Upper

42 100

72 47.7 32.8 49.2

71 44.9 31.0 46.4



#30

Chloroform

Concen: 96.445 ug/l

RT: 7.502 min Scan# 932

Delta R.T. -0.006 min

Lab File: VY016018.D

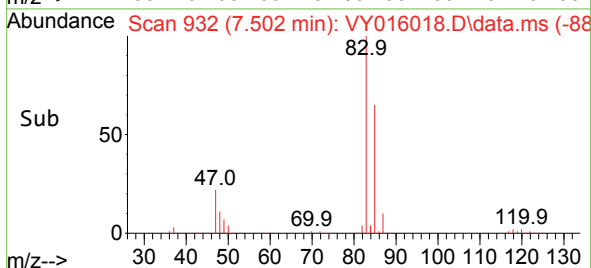
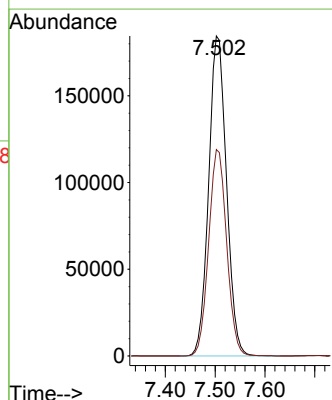
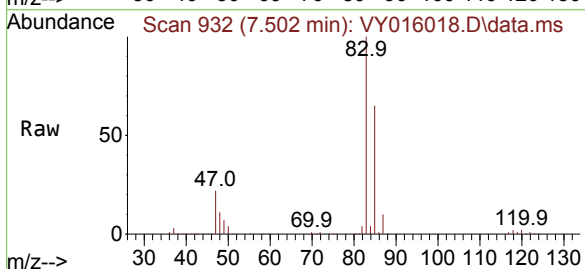
Acq: 18 Oct 2023 13:02

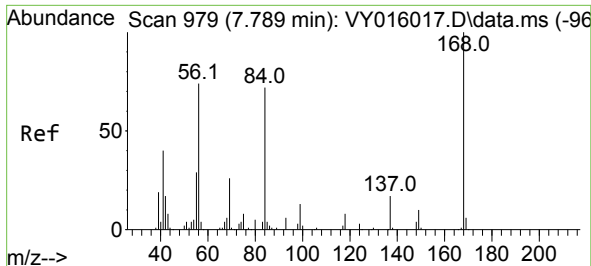
Tgt Ion: 83 Resp: 458266

Ion Ratio Lower Upper

83 100

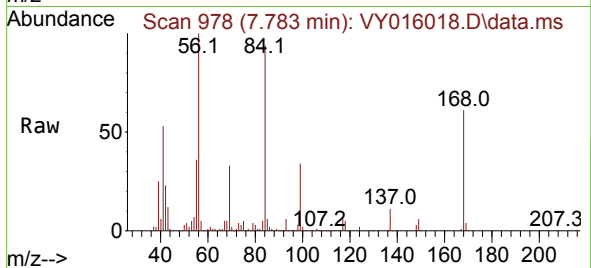
85 64.5 49.7 74.5



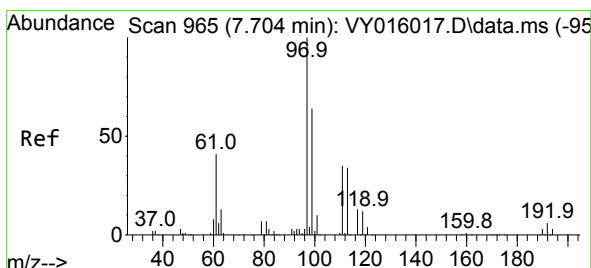
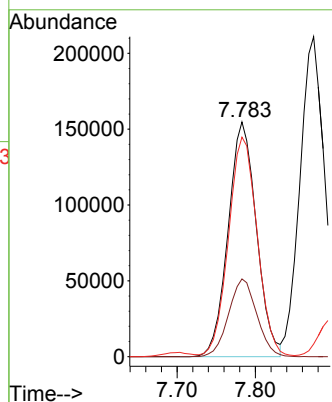
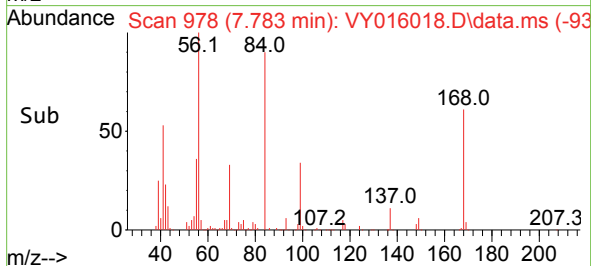


#31  
Cyclohexane  
Concen: 95.394 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY016018.D  
Acq: 18 Oct 2023 13:02

Instrument :  
MSVOA\_Y  
ClientSampleId :

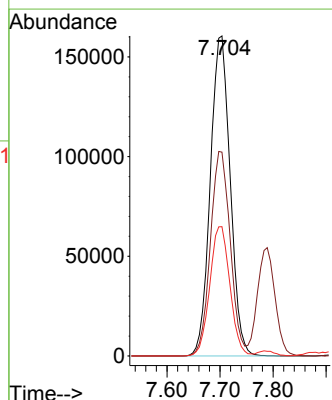
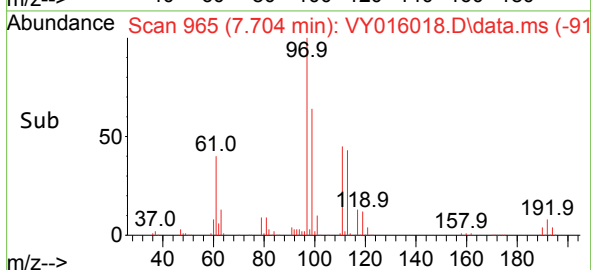
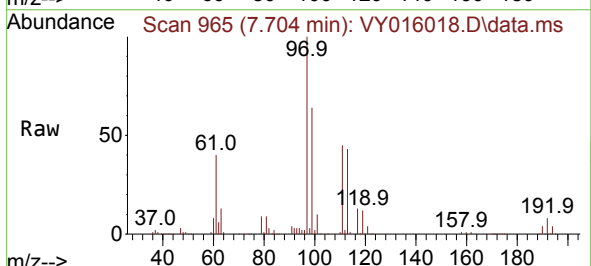


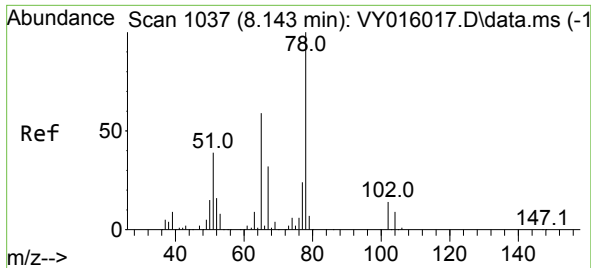
Tgt Ion: 56 Resp: 388090  
Ion Ratio Lower Upper  
56 100  
69 33.1 27.8 41.6  
84 91.7 66.4 99.6



#32  
1,1,1-Trichloroethane  
Concen: 98.190 ug/l  
RT: 7.704 min Scan# 965  
Delta R.T. 0.000 min  
Lab File: VY016018.D  
Acq: 18 Oct 2023 13:02

Tgt Ion: 97 Resp: 417450  
Ion Ratio Lower Upper  
97 100  
99 63.8 50.8 76.2  
61 41.1 35.1 52.7

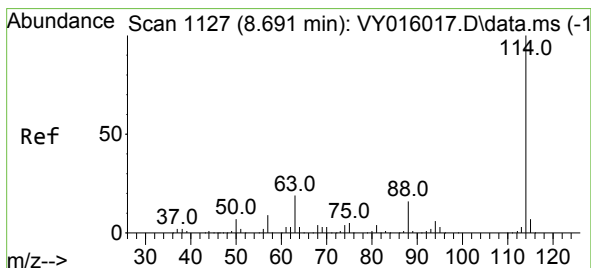
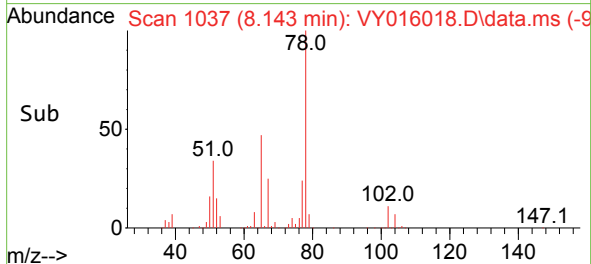
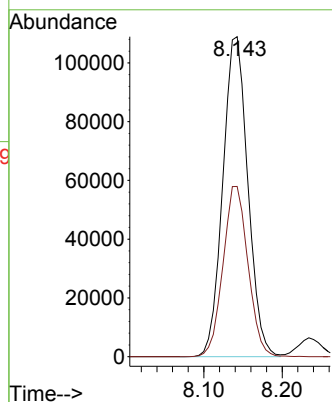
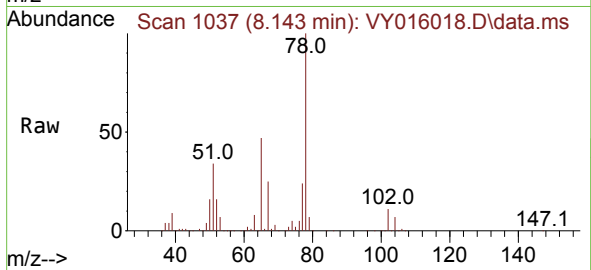




#33  
 1,2-Dichloroethane-d4  
 Concen: 93.142 ug/l  
 RT: 8.143 min Scan# 1037  
 Delta R.T. 0.000 min  
 Lab File: VY016018.D  
 Acq: 18 Oct 2023 13:02

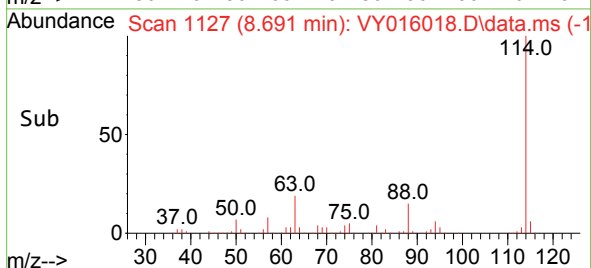
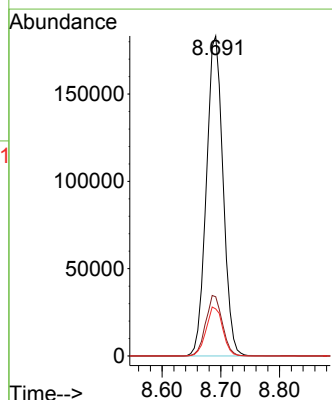
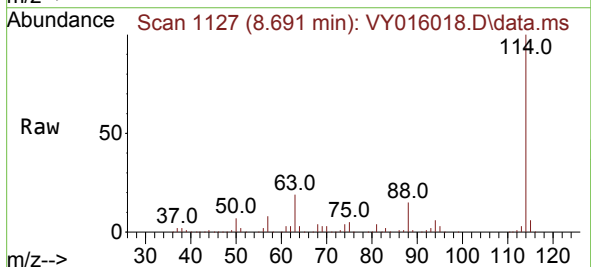
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

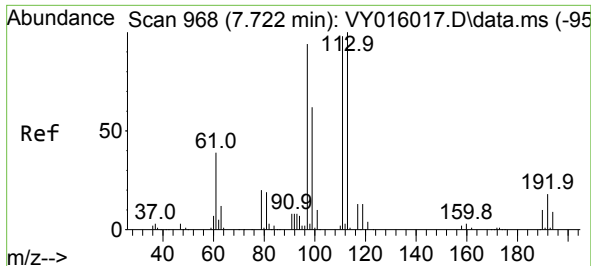
Tgt Ion: 65 Resp: 242097  
 Ion Ratio Lower Upper  
 65 100  
 67 53.1 0.0 101.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.691 min Scan# 1127  
 Delta R.T. 0.000 min  
 Lab File: VY016018.D  
 Acq: 18 Oct 2023 13:02

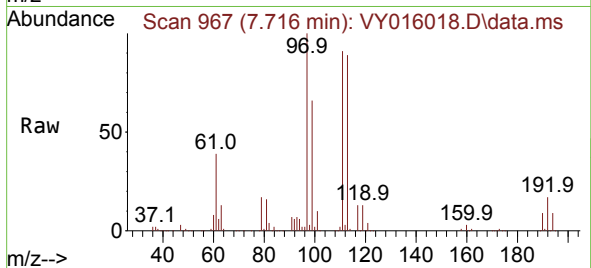
Tgt Ion: 114 Resp: 361193  
 Ion Ratio Lower Upper  
 114 100  
 63 18.5 0.0 42.4  
 88 14.7 0.0 30.6



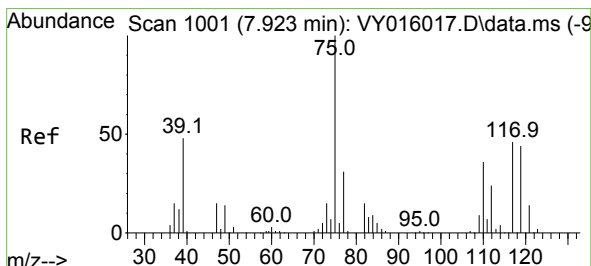
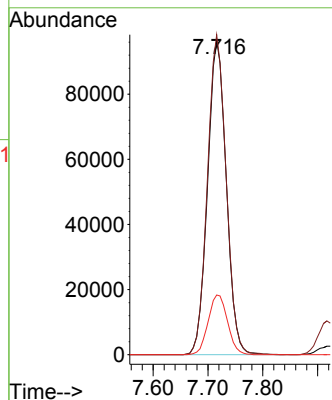
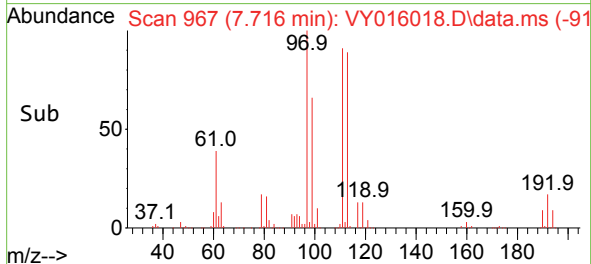


#35  
Dibromofluoromethane  
Concen: 95.976 ug/l  
RT: 7.716 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY016018.D  
Acq: 18 Oct 2023 13:02

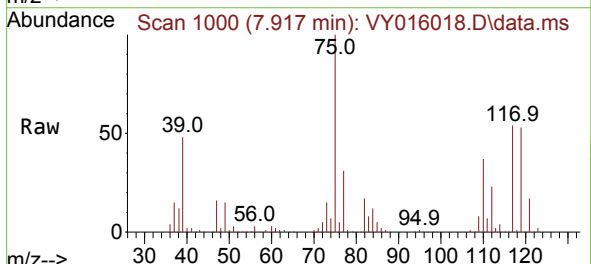
Instrument :  
MSVOA\_Y  
ClientSampleId :



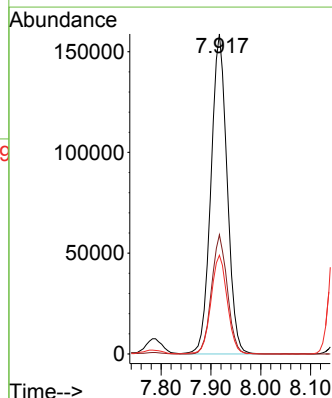
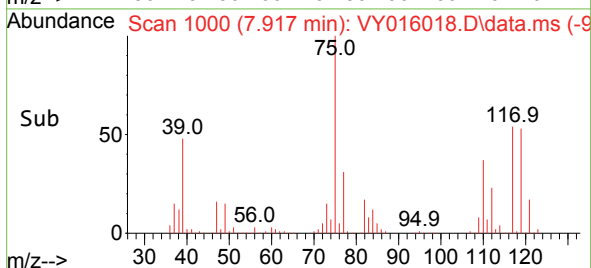
Tgt Ion:113 Resp: 228175  
Ion Ratio Lower Upper  
113 100  
111 102.0 81.3 121.9  
192 19.6 16.9 25.3

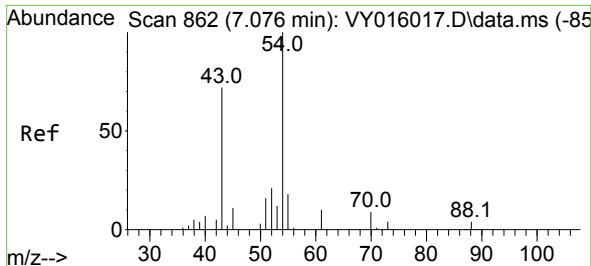


#36  
1,1-Dichloropropene  
Concen: 100.076 ug/l  
RT: 7.917 min Scan# 1000  
Delta R.T. -0.006 min  
Lab File: VY016018.D  
Acq: 18 Oct 2023 13:02



Tgt Ion: 75 Resp: 357953  
Ion Ratio Lower Upper  
75 100  
110 36.3 17.8 53.5  
77 31.0 24.4 36.6

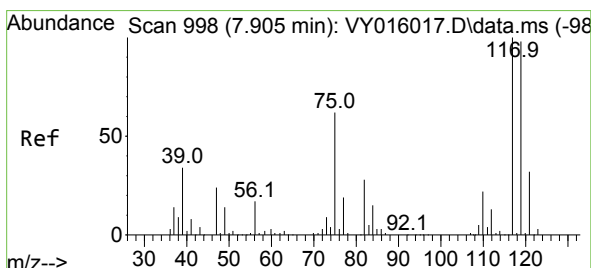
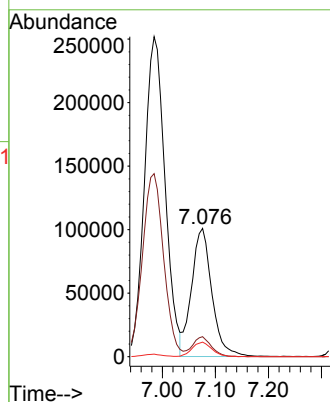
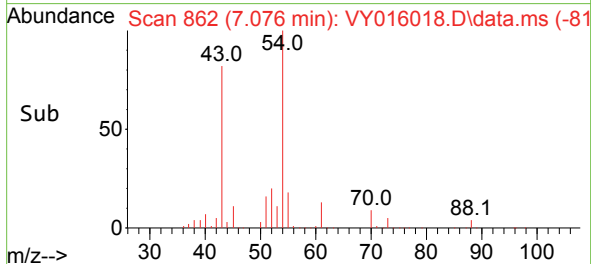
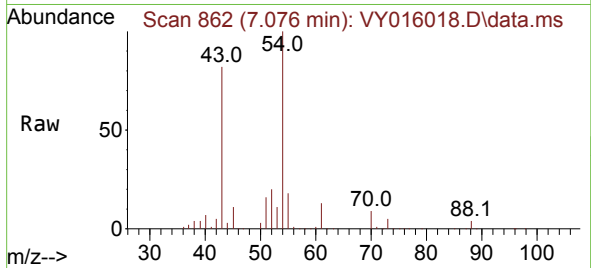




#37  
Ethyl Acetate  
Concen: 104.142 ug/l  
RT: 7.076 min Scan# 80  
Delta R.T. 0.000 min  
Lab File: VY016018.D  
Acq: 18 Oct 2023 13:02

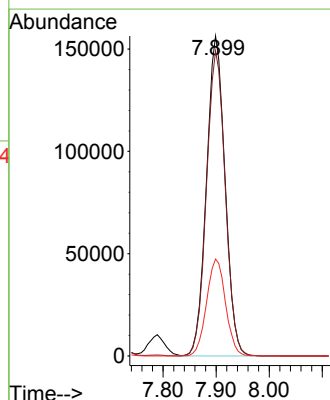
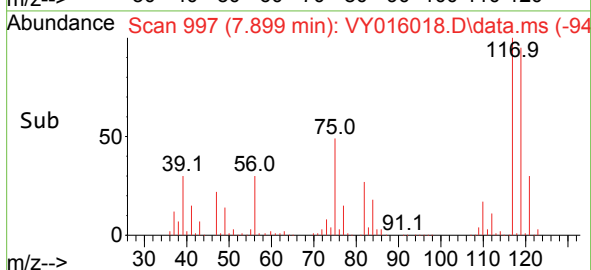
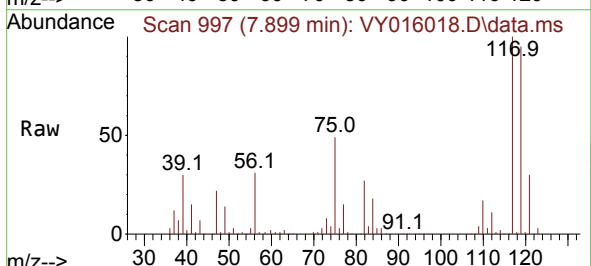
Instrument :  
MSVOA\_Y  
ClientSampleId :

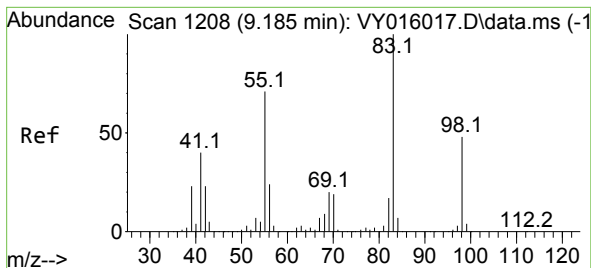
Tgt Ion: 43 Resp: 268506  
Ion Ratio Lower Upper  
43 100  
61 14.5 10.1 15.1  
70 11.1 7.1 10.7#



#38  
Carbon Tetrachloride  
Concen: 100.097 ug/l  
RT: 7.899 min Scan# 997  
Delta R.T. -0.006 min  
Lab File: VY016018.D  
Acq: 18 Oct 2023 13:02

Tgt Ion: 117 Resp: 380533  
Ion Ratio Lower Upper  
117 100  
119 95.3 76.4 114.6  
121 30.3 25.8 38.6





#39

Methylcyclohexane

Concen: 102.542 ug/l

RT: 9.185 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY016018.D

Acq: 18 Oct 2023 13:02

Instrument :

MSVOA\_Y

ClientSampleId :

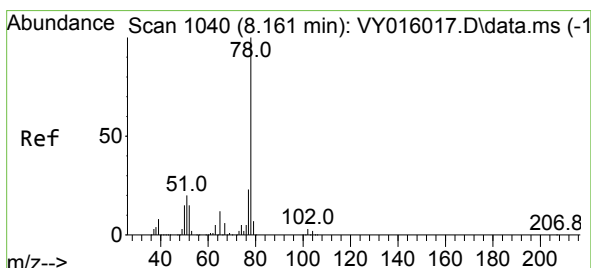
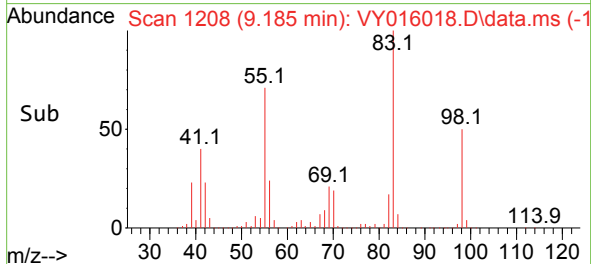
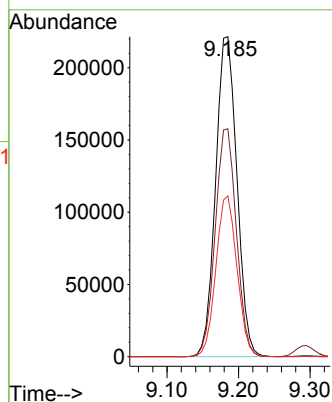
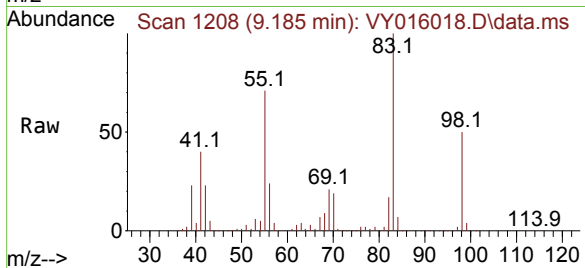
Tgt Ion: 83 Resp: 458367

Ion Ratio Lower Upper

83 100

55 71.2 63.0 94.4

98 50.2 37.4 56.2



#40

Benzene

Concen: 99.426 ug/l

RT: 8.161 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY016018.D

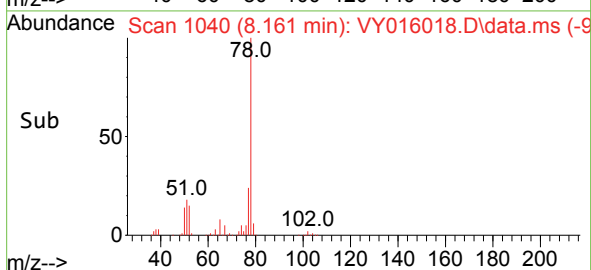
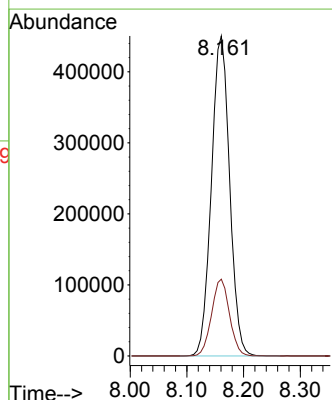
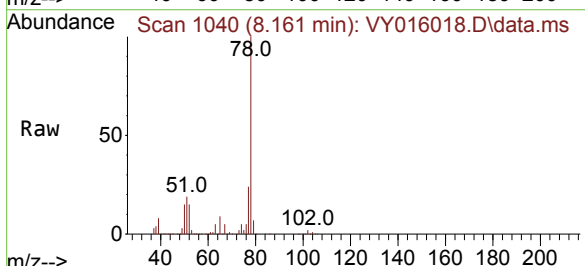
Acq: 18 Oct 2023 13:02

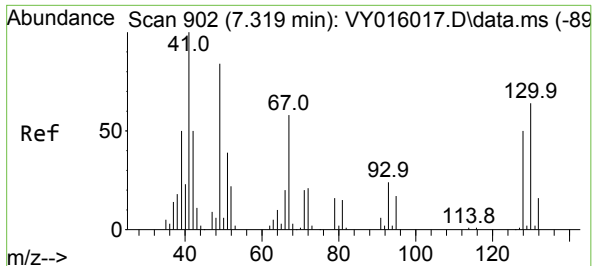
Tgt Ion: 78 Resp: 1002312

Ion Ratio Lower Upper

78 100

77 24.0 19.0 28.6

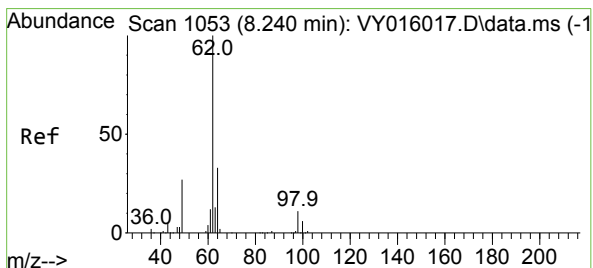
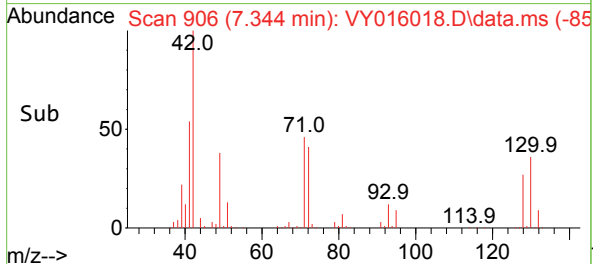
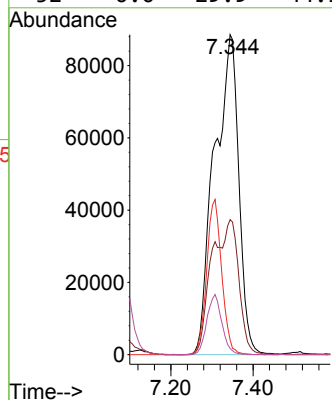
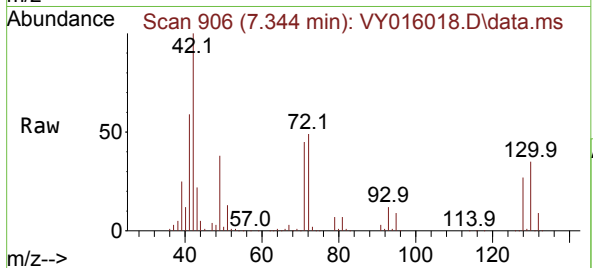




#41  
Methacrylonitrile  
Concen: 280.015 ug/l  
RT: 7.344 min Scan# 902  
Delta R.T. 0.024 min  
Lab File: VY016018.D  
Acq: 18 Oct 2023 13:02

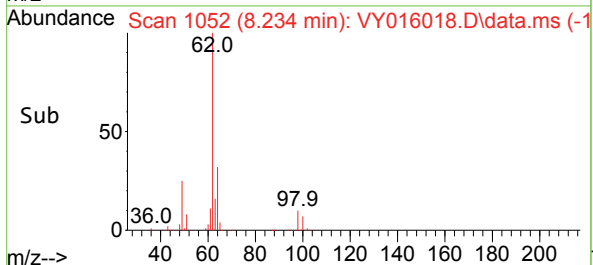
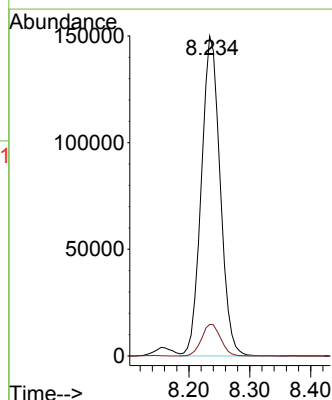
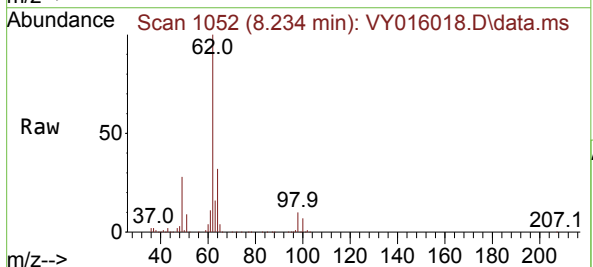
Instrument :  
MSVOA\_Y  
ClientSampleId :

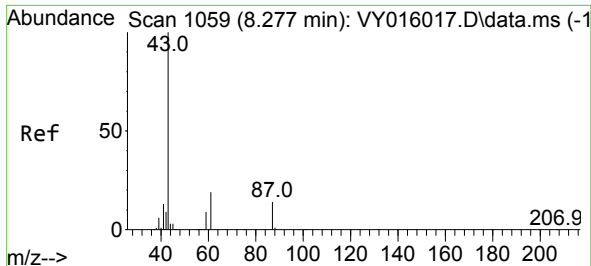
Tgt Ion: 41 Resp: 363503  
Ion Ratio Lower Upper  
41 100  
39 0.0 52.1 78.1#  
67 0.0 66.2 99.2#  
52 0.0 29.9 44.9#



#42  
1,2-Dichloroethane  
Concen: 99.019 ug/l  
RT: 8.234 min Scan# 1052  
Delta R.T. -0.006 min  
Lab File: VY016018.D  
Acq: 18 Oct 2023 13:02

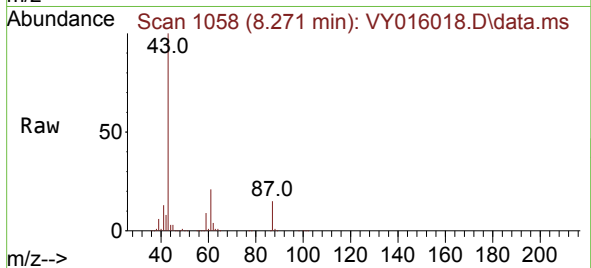
Tgt Ion: 62 Resp: 321541  
Ion Ratio Lower Upper  
62 100  
98 10.1 0.0 15.8



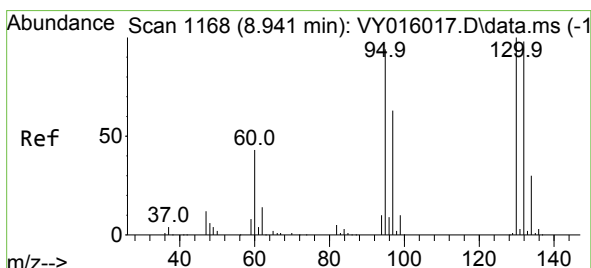
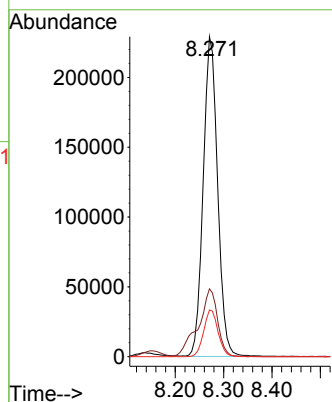
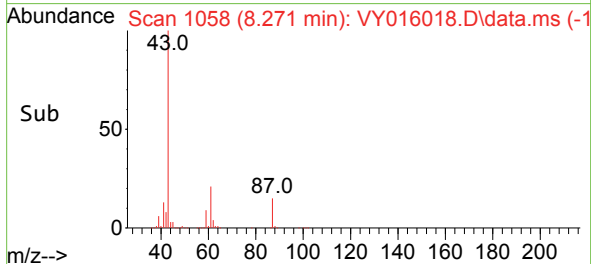


#43  
Isopropyl Acetate  
Concen: 105.287 ug/l  
RT: 8.271 min Scan# 1058  
Delta R.T. -0.006 min  
Lab File: VY016018.D  
Acq: 18 Oct 2023 13:02

Instrument :  
MSVOA\_Y  
ClientSampleId :

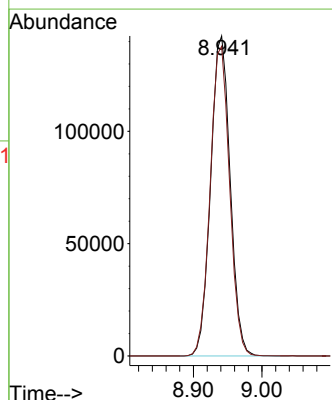
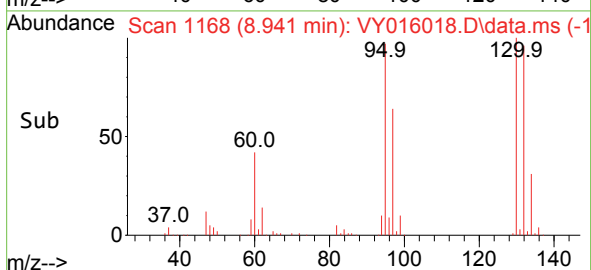
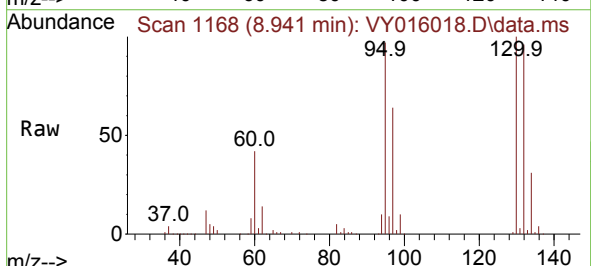


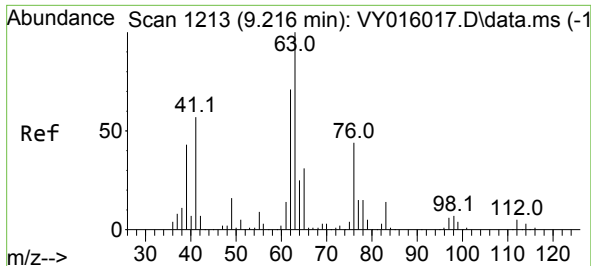
Tgt Ion: 43 Resp: 474601  
Ion Ratio Lower Upper  
43 100  
61 28.3 21.1 31.7  
87 14.6 9.8 14.8



#44  
Trichloroethene  
Concen: 99.358 ug/l  
RT: 8.941 min Scan# 1168  
Delta R.T. 0.000 min  
Lab File: VY016018.D  
Acq: 18 Oct 2023 13:02

Tgt Ion:130 Resp: 280841  
Ion Ratio Lower Upper  
130 100  
95 96.8 0.0 196.0

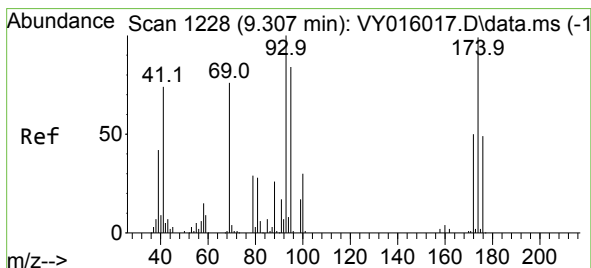
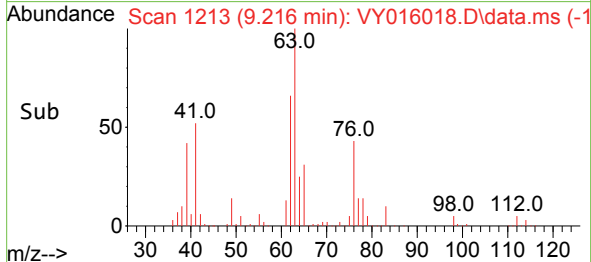
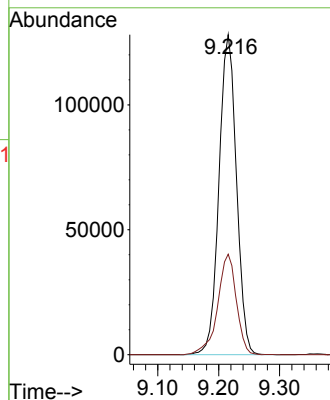
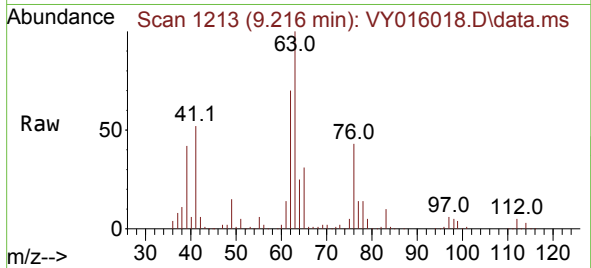




#45  
1,2-Dichloropropane  
Concen: 100.804 ug/l  
RT: 9.216 min Scan# 1213  
Delta R.T. 0.000 min  
Lab File: VY016018.D  
Acq: 18 Oct 2023 13:02

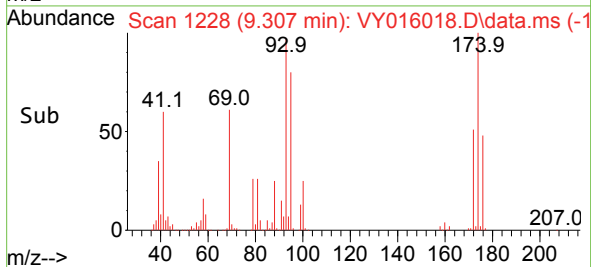
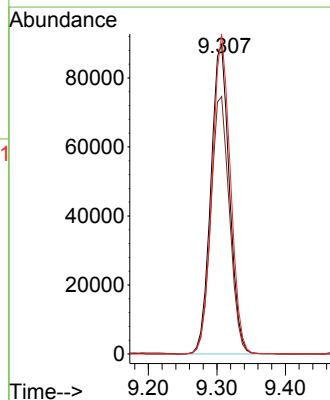
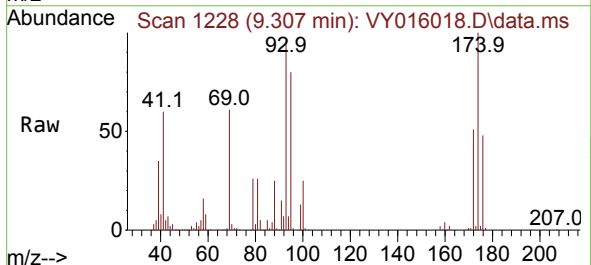
Instrument :  
MSVOA\_Y  
ClientSampleId :

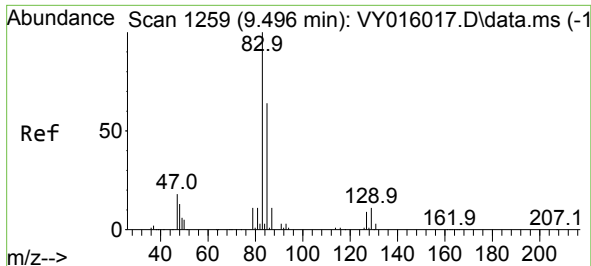
Tgt Ion: 63 Resp: 254318  
Ion Ratio Lower Upper  
63 100  
65 31.4 23.8 35.6



#46  
Dibromomethane  
Concen: 100.660 ug/l  
RT: 9.307 min Scan# 1228  
Delta R.T. 0.000 min  
Lab File: VY016018.D  
Acq: 18 Oct 2023 13:02

Tgt Ion: 93 Resp: 168596  
Ion Ratio Lower Upper  
93 100  
95 83.5 66.6 100.0  
174 101.5 84.8 127.2





#47

Bromodichloromethane

Concen: 99.931 ug/l

RT: 9.496 min Scan# 1259

Delta R.T. 0.000 min

Lab File: VY016018.D

Acq: 18 Oct 2023 13:02

Instrument :

MSVOA\_Y

ClientSampleId :

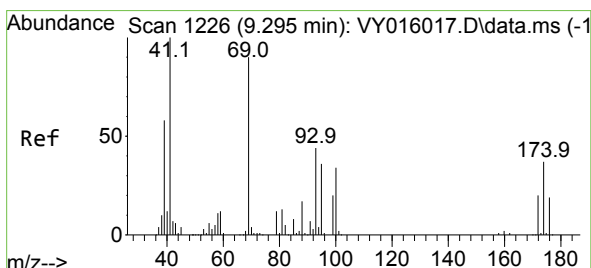
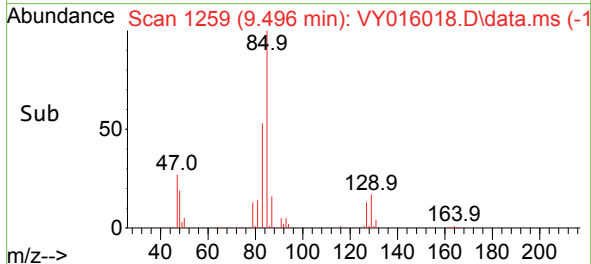
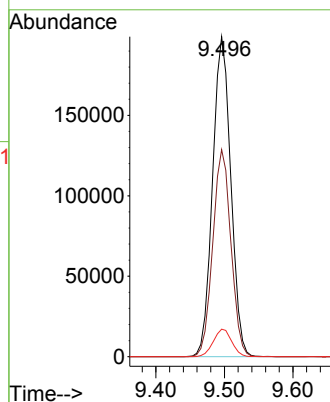
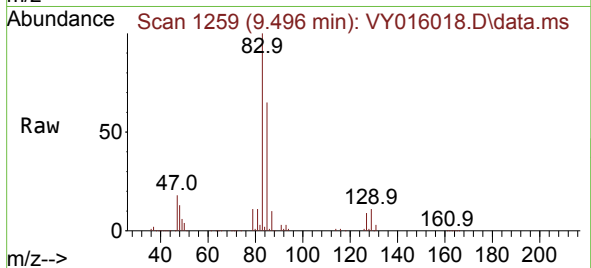
Tgt Ion: 83 Resp: 366840

Ion Ratio Lower Upper

83 100

85 64.7 50.1 75.1

127 8.6 7.1 10.7



#48

Methyl methacrylate

Concen: 106.389 ug/l

RT: 9.295 min Scan# 1226

Delta R.T. 0.000 min

Lab File: VY016018.D

Acq: 18 Oct 2023 13:02

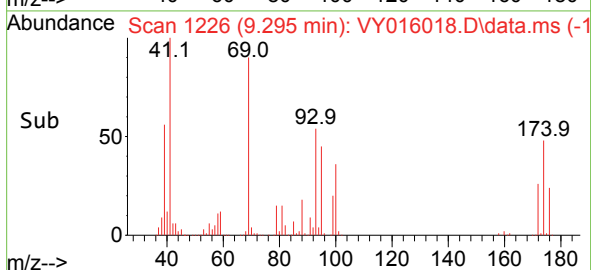
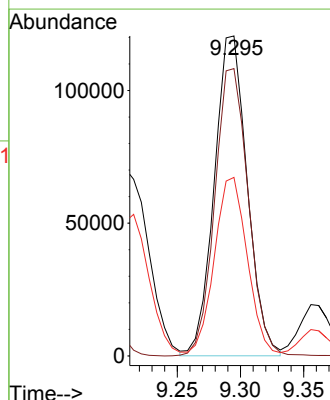
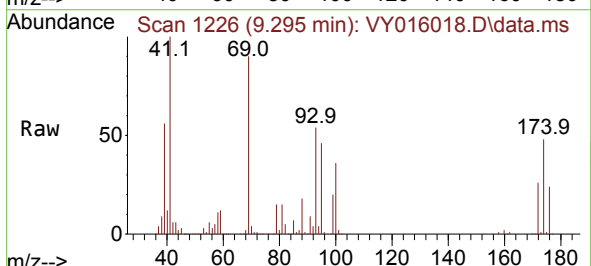
Tgt Ion: 41 Resp: 218295

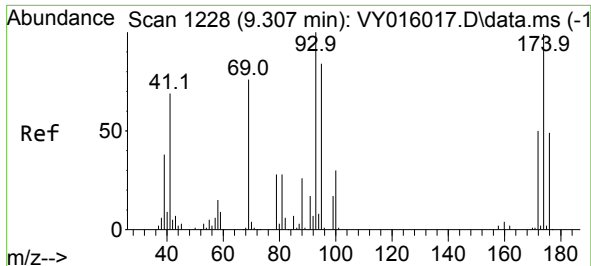
Ion Ratio Lower Upper

41 100

69 91.5 64.5 96.7

39 53.9 50.8 76.2





#49

1,4-Dioxane

Concen: 2266.483 ug/l

RT: 9.301 min Scan# 11

Delta R.T. -0.006 min

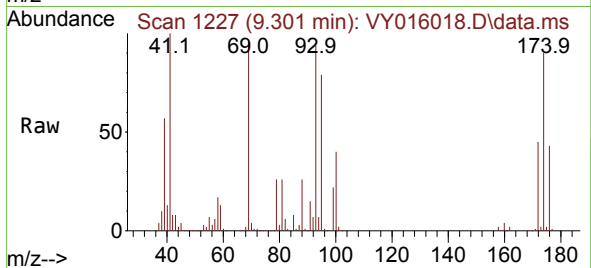
Lab File: VY016018.D

Acq: 18 Oct 2023 13:02

Instrument :

MSVOA\_Y

ClientSampleId :



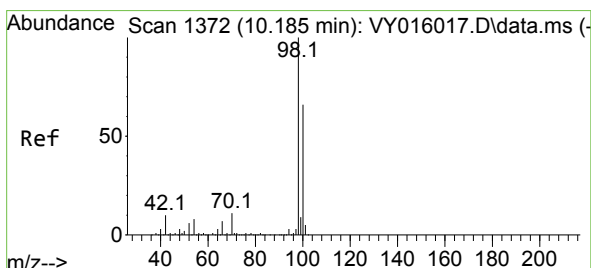
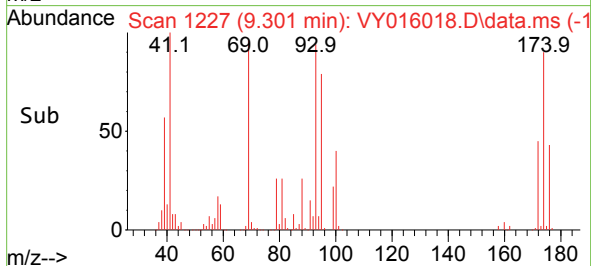
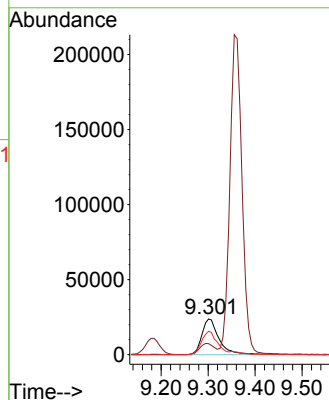
Tgt Ion: 88 Resp: 60447

Ion Ratio Lower Upper

88 100

43 26.2 0.0 0.0#

58 66.1 30.9 46.3#



#50

Toluene-d8

Concen: 96.691 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.006 min

Lab File: VY016018.D

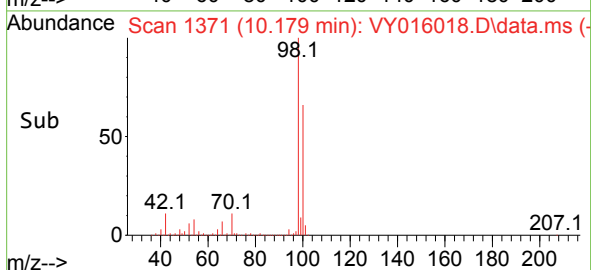
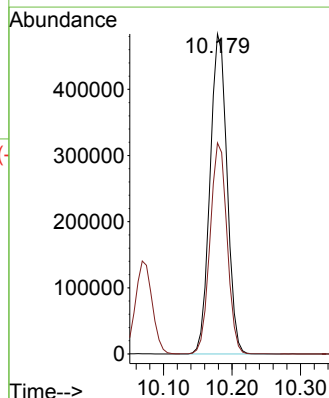
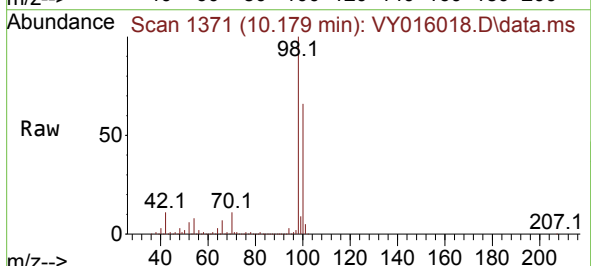
Acq: 18 Oct 2023 13:02

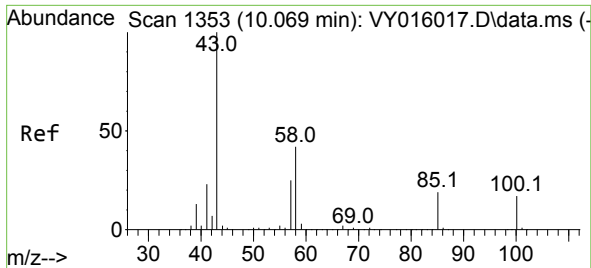
Tgt Ion: 98 Resp: 834866

Ion Ratio Lower Upper

98 100

100 65.8 50.1 75.1





#51

4-Methyl-2-Pentanone

Concen: 516.581 ug/l

RT: 10.069 min Scan# 1353

Delta R.T. 0.000 min

Lab File: VY016018.D

Acq: 18 Oct 2023 13:02

Instrument :

MSVOA\_Y

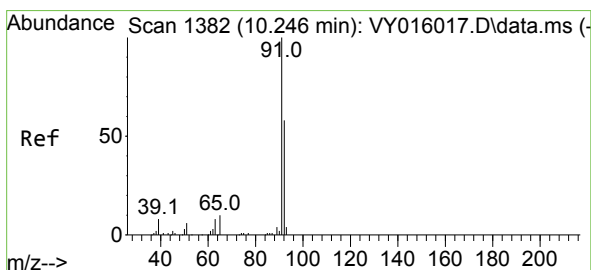
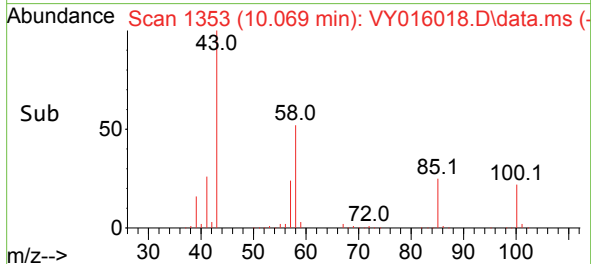
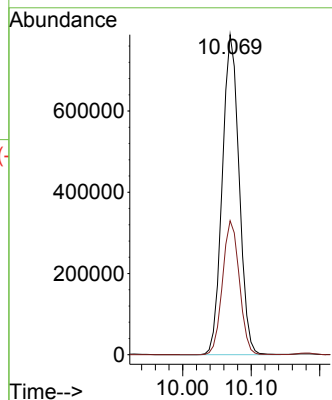
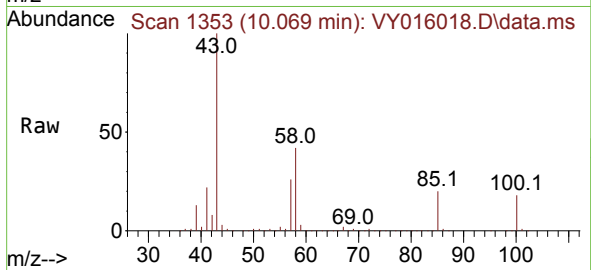
ClientSampleId :

Tgt Ion: 43 Resp: 1339079

Ion Ratio Lower Upper

43 100

58 41.9 29.0 43.6



#52

Toluene

Concen: 100.351 ug/l

RT: 10.246 min Scan# 1382

Delta R.T. 0.000 min

Lab File: VY016018.D

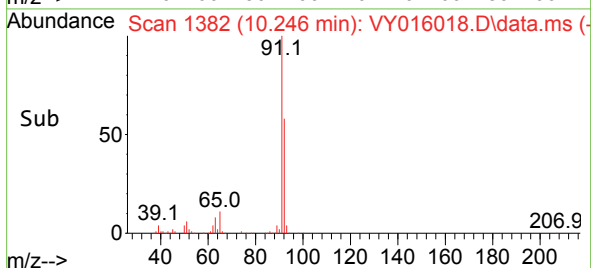
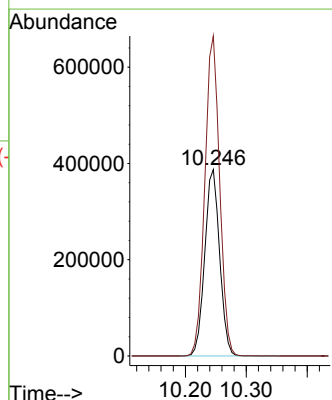
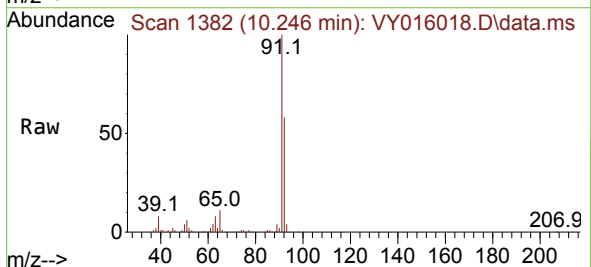
Acq: 18 Oct 2023 13:02

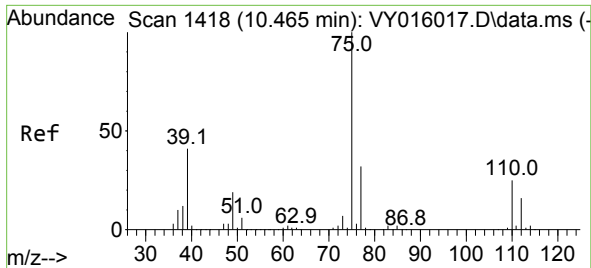
Tgt Ion: 92 Resp: 656163

Ion Ratio Lower Upper

92 100

91 171.0 143.8 215.6

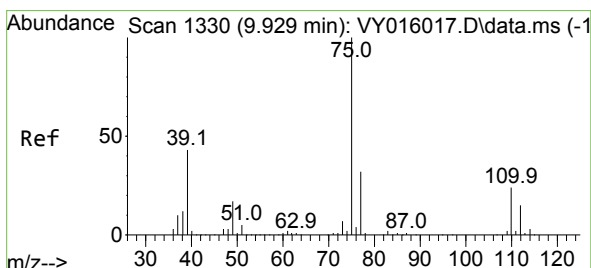
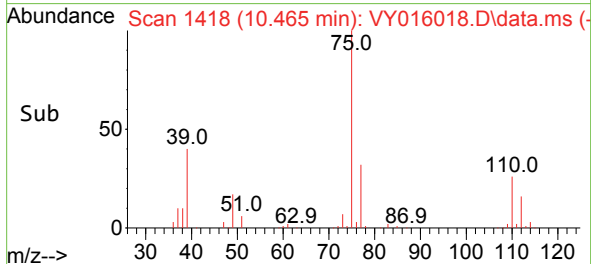
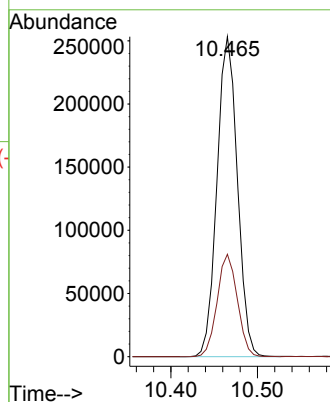
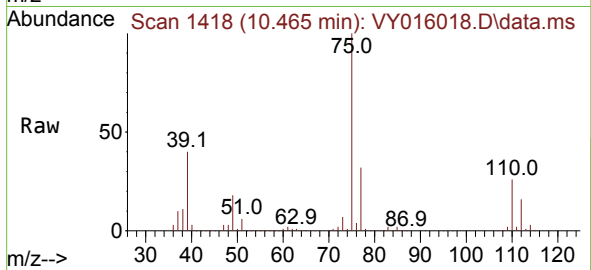




#53  
 t-1,3-Dichloropropene  
 Concen: 104.192 ug/l  
 RT: 10.465 min Scan# 1418  
 Delta R.T. 0.000 min  
 Lab File: VY016018.D  
 Acq: 18 Oct 2023 13:02

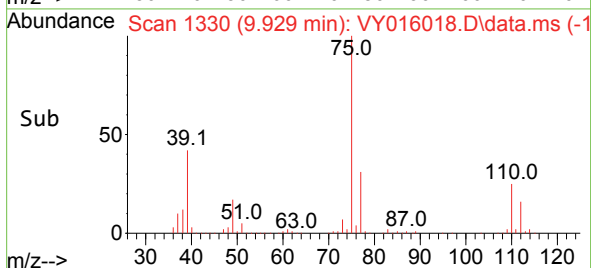
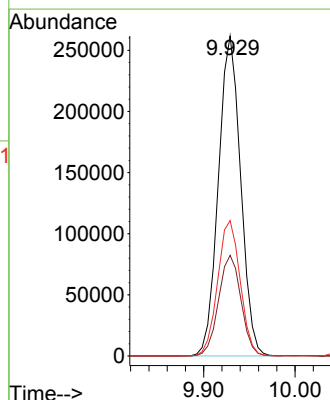
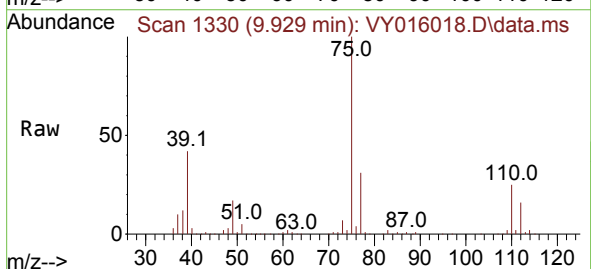
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

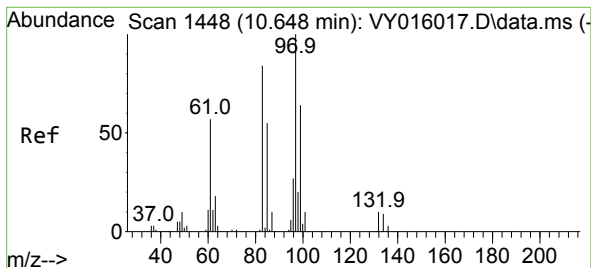
Tgt Ion: 75 Resp: 414335  
 Ion Ratio Lower Upper  
 75 100  
 77 32.0 25.0 37.4



#54  
 cis-1,3-Dichloropropene  
 Concen: 102.179 ug/l  
 RT: 9.929 min Scan# 1330  
 Delta R.T. 0.000 min  
 Lab File: VY016018.D  
 Acq: 18 Oct 2023 13:02

Tgt Ion: 75 Resp: 442922  
 Ion Ratio Lower Upper  
 75 100  
 77 31.4 24.2 36.4  
 39 42.3 42.2 63.4





#55

1,1,2-Trichloroethane

Concen: 101.285 ug/l

RT: 10.642 min Scan# 1448

Delta R.T. -0.006 min

Lab File: VY016018.D

Acq: 18 Oct 2023 13:02

Instrument :

MSVOA\_Y

ClientSampleId :

Tgt Ion: 97 Resp: 233060

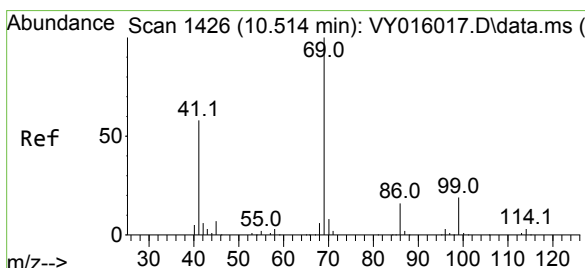
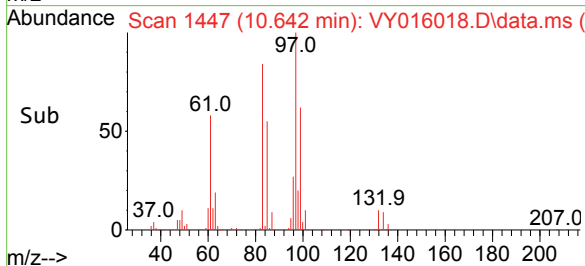
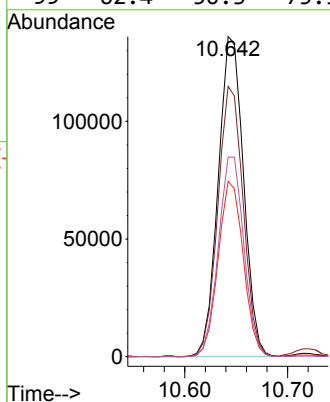
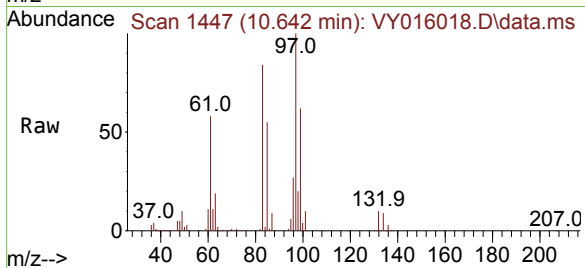
Ion Ratio Lower Upper

97 100

83 84.5 72.0 108.0

85 54.8 45.4 68.0

99 62.4 50.3 75.5



#56

Ethyl methacrylate

Concen: 107.361 ug/l

RT: 10.508 min Scan# 1425

Delta R.T. -0.006 min

Lab File: VY016018.D

Acq: 18 Oct 2023 13:02

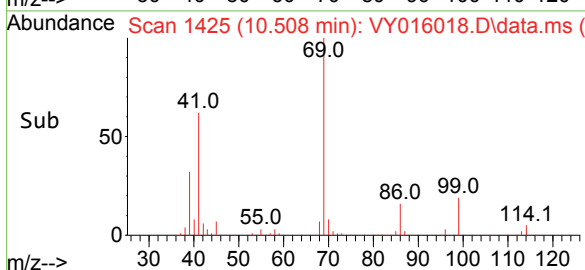
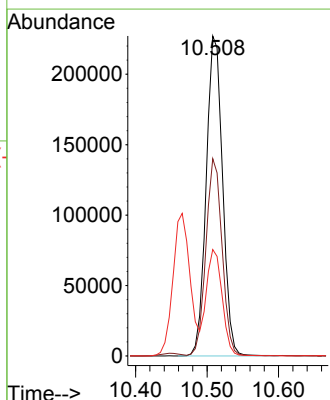
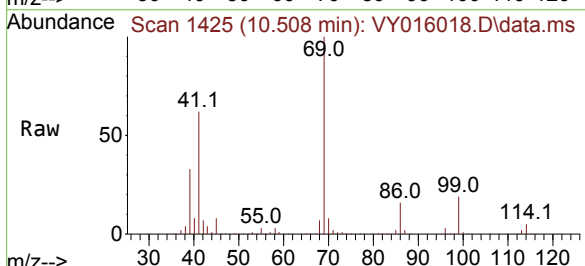
Tgt Ion: 69 Resp: 361033

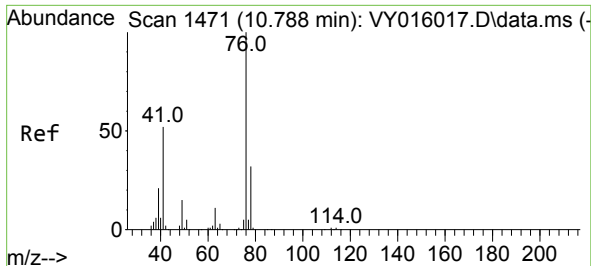
Ion Ratio Lower Upper

69 100

41 60.6 57.6 86.4

39 32.0 34.1 51.1#





#57

1,3-Dichloropropane

Concen: 100.835 ug/l

RT: 10.788 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VY016018.D

Acq: 18 Oct 2023 13:02

Instrument :

MSVOA\_Y

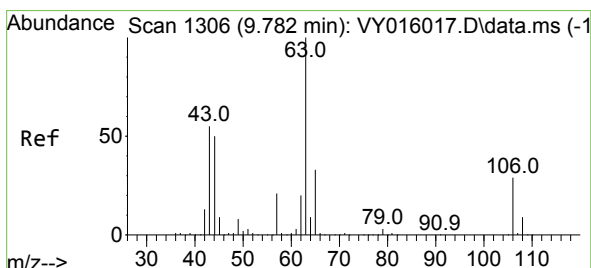
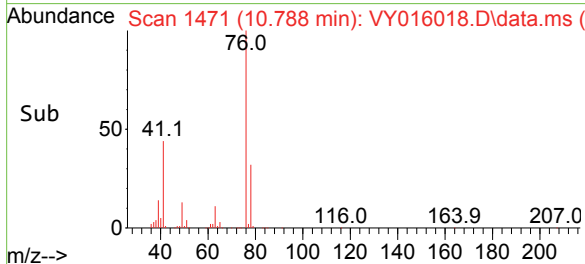
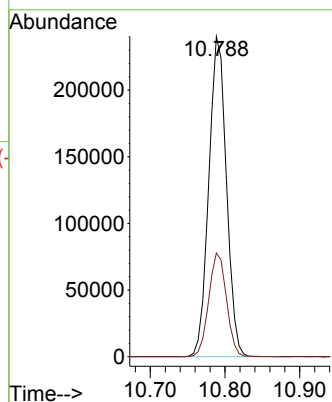
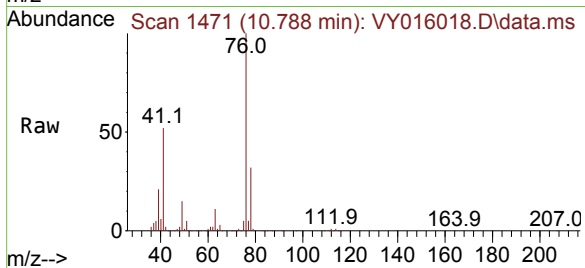
ClientSampleId :

Tgt Ion: 76 Resp: 393614

Ion Ratio Lower Upper

76 100

78 32.6 25.3 37.9



#58

2-Chloroethyl Vinyl ether

Concen: 523.916 ug/l

RT: 9.782 min Scan# 1306

Delta R.T. 0.000 min

Lab File: VY016018.D

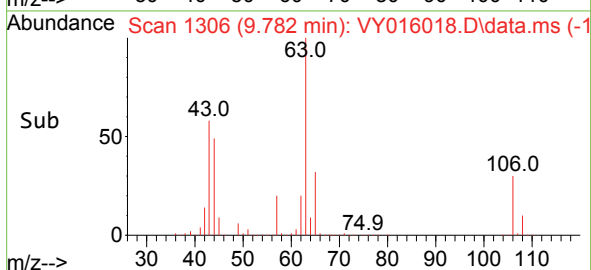
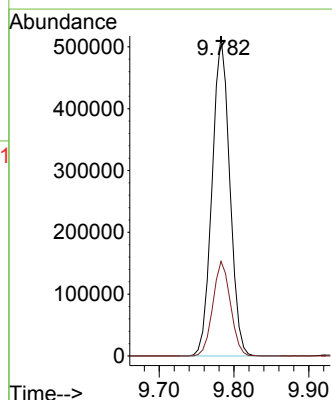
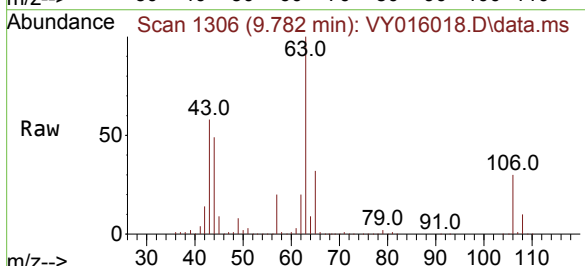
Acq: 18 Oct 2023 13:02

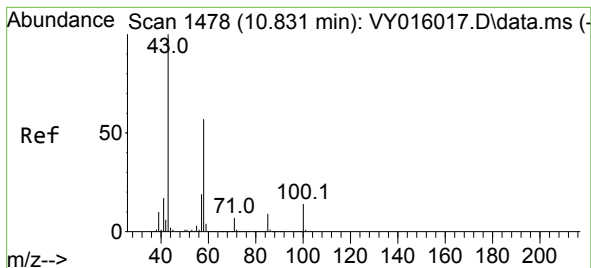
Tgt Ion: 63 Resp: 846245

Ion Ratio Lower Upper

63 100

106 29.6 21.2 31.8

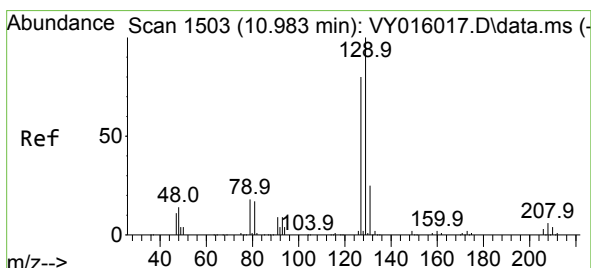
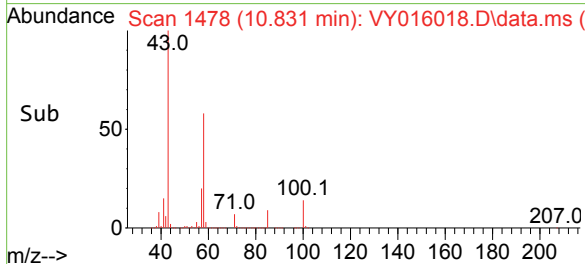
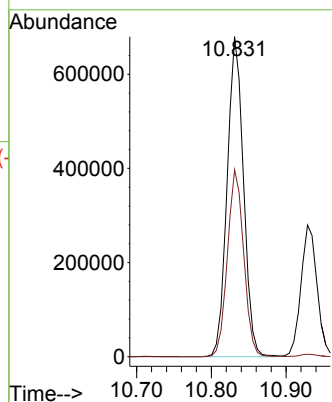
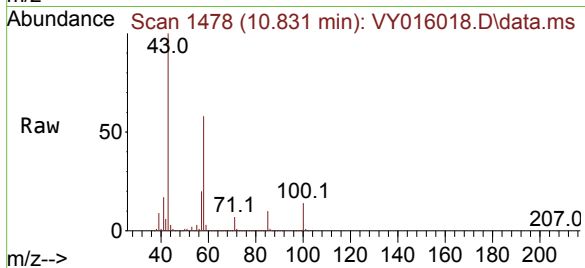




#59  
2-Hexanone  
Concen: 524.740 ug/l  
RT: 10.831 min Scan# 1478  
Delta R.T. 0.000 min  
Lab File: VY016018.D  
Acq: 18 Oct 2023 13:02

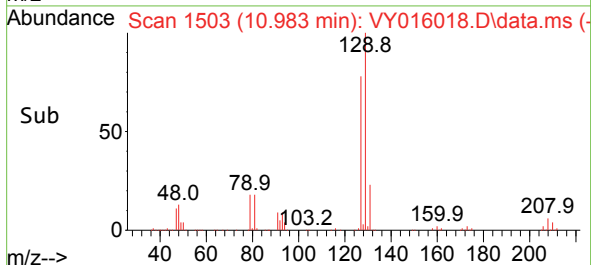
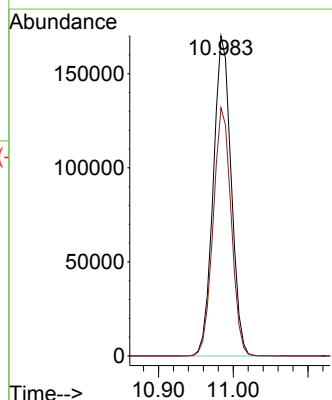
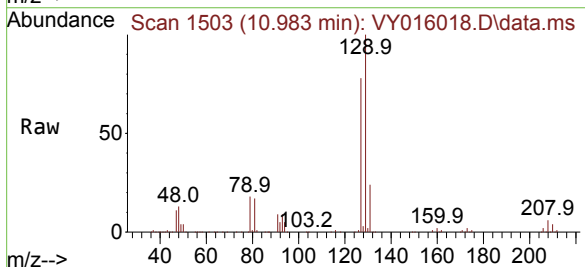
Instrument :  
MSVOA\_Y  
ClientSampleId :

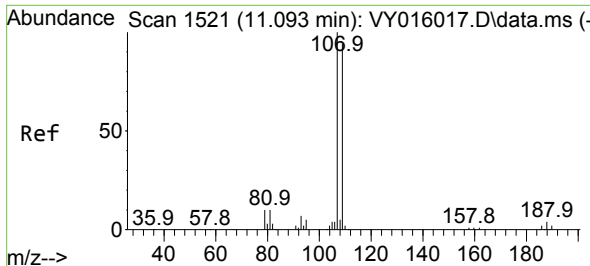
Tgt Ion: 43 Resp: 1034894  
Ion Ratio Lower Upper  
43 100  
58 58.1 25.1 75.3



#60  
Dibromochloromethane  
Concen: 101.605 ug/l  
RT: 10.983 min Scan# 1503  
Delta R.T. 0.000 min  
Lab File: VY016018.D  
Acq: 18 Oct 2023 13:02

Tgt Ion:129 Resp: 282750  
Ion Ratio Lower Upper  
129 100  
127 77.9 38.5 115.5

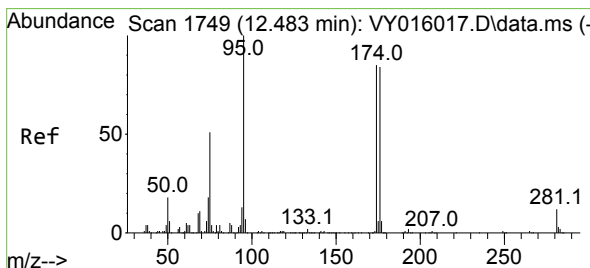
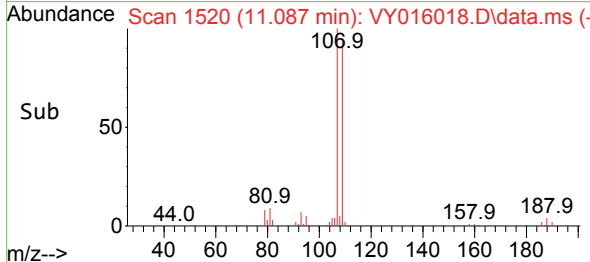
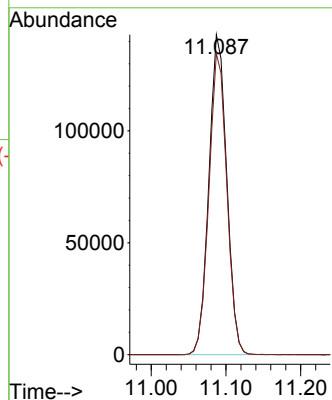
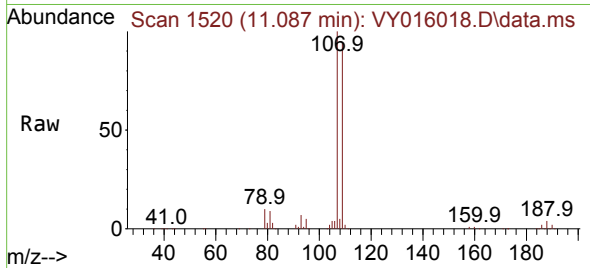




#61  
1,2-Dibromoethane  
Concen: 101.203 ug/l  
RT: 11.087 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY016018.D  
Acq: 18 Oct 2023 13:02

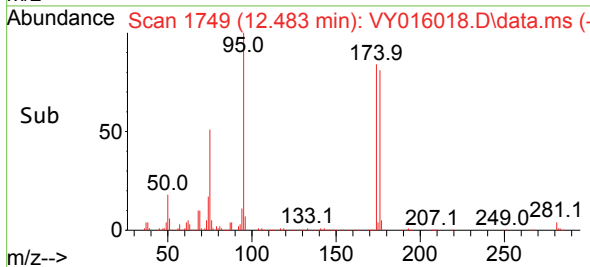
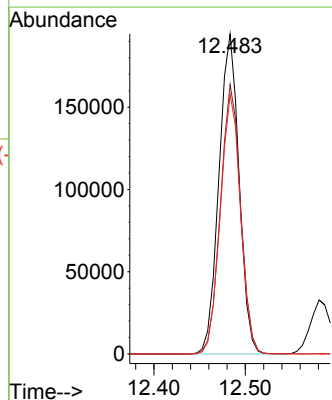
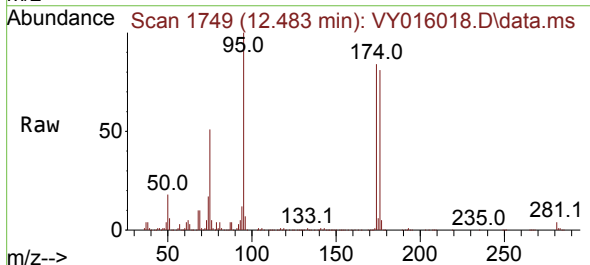
Instrument :  
MSVOA\_Y  
ClientSampleId :

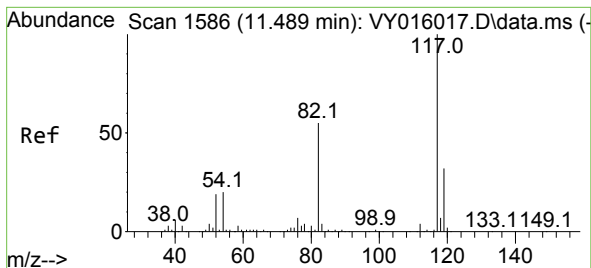
Tgt Ion:107 Resp: 236992  
Ion Ratio Lower Upper  
107 100  
109 94.3 75.6 113.4



#62  
4-Bromofluorobenzene  
Concen: 96.501 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY016018.D  
Acq: 18 Oct 2023 13:02

Tgt Ion: 95 Resp: 297308  
Ion Ratio Lower Upper  
95 100  
174 84.3 0.0 178.2  
176 81.5 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 117

Delta R.T. 0.000 min

Lab File: VY016018.D

Acq: 18 Oct 2023 13:02

Instrument :

MSVOA\_Y

ClientSampleId :

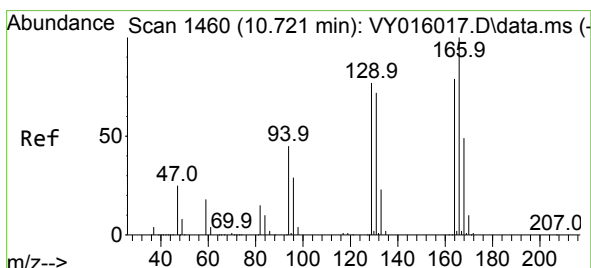
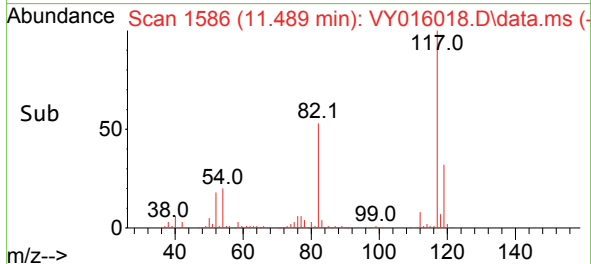
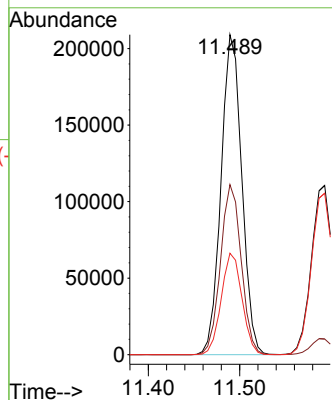
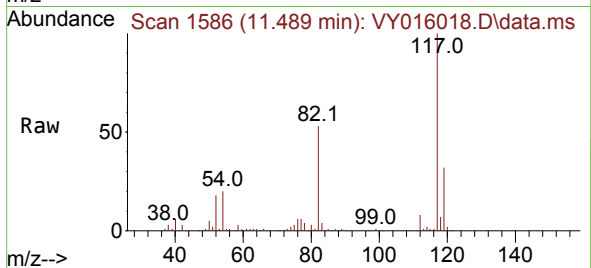
Tgt Ion:117 Resp: 330141

Ion Ratio Lower Upper

117 100

82 53.2 43.4 65.0

119 31.7 26.3 39.5



#64

Tetrachloroethene

Concen: 97.977 ug/l

RT: 10.721 min Scan# 1460

Delta R.T. 0.000 min

Lab File: VY016018.D

Acq: 18 Oct 2023 13:02

Tgt Ion:164 Resp: 250821

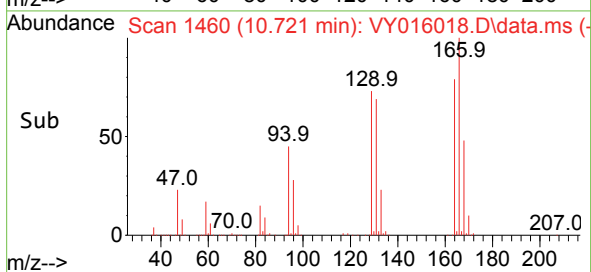
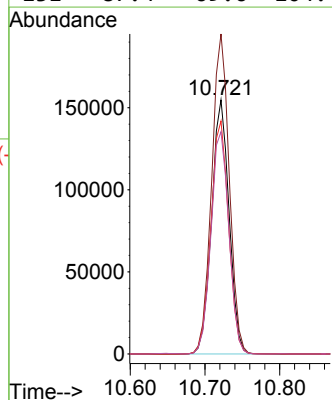
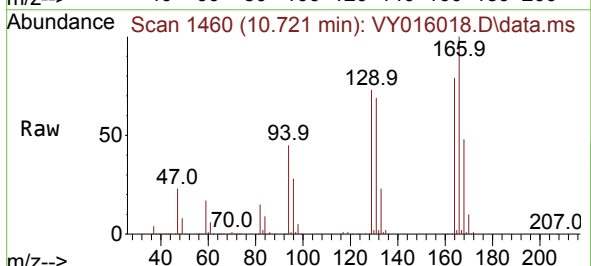
Ion Ratio Lower Upper

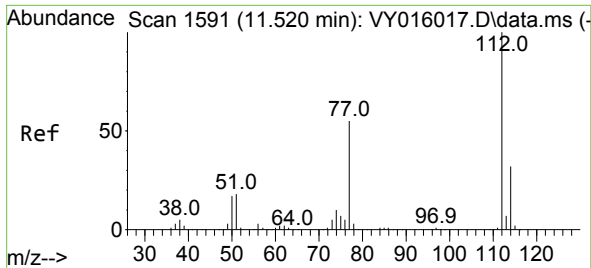
164 100

166 126.0 103.0 154.6

129 91.7 77.2 115.8

131 87.4 69.6 104.4

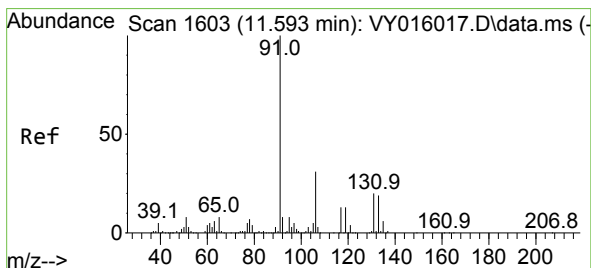
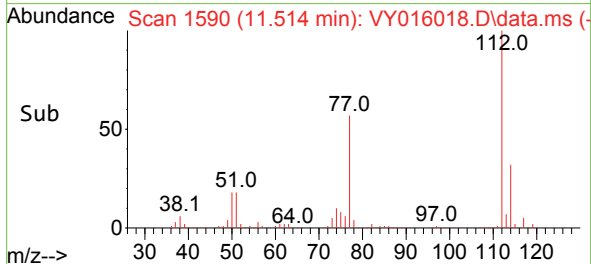
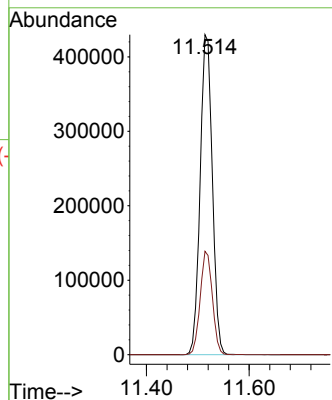
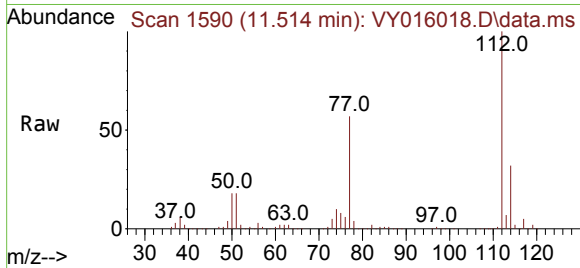




#65  
Chlorobenzene  
Concen: 98.819 ug/l  
RT: 11.514 min Scan# 111  
Delta R.T. -0.006 min  
Lab File: VY016018.D  
Acq: 18 Oct 2023 13:02

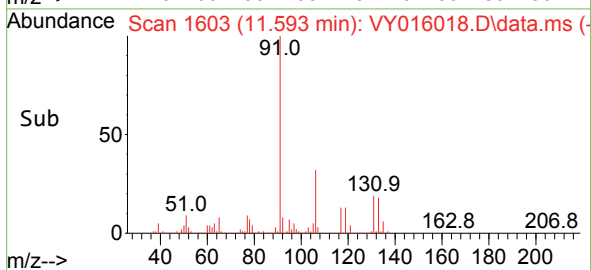
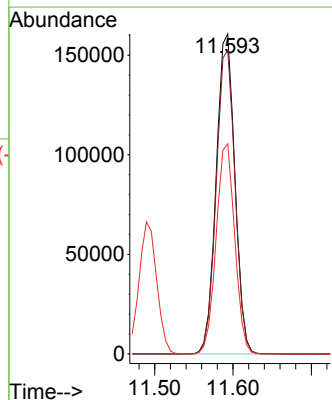
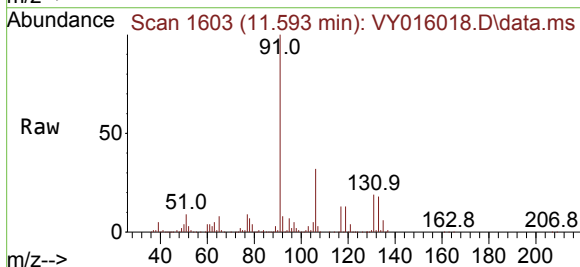
Instrument :  
MSVOA\_Y  
ClientSampleId :

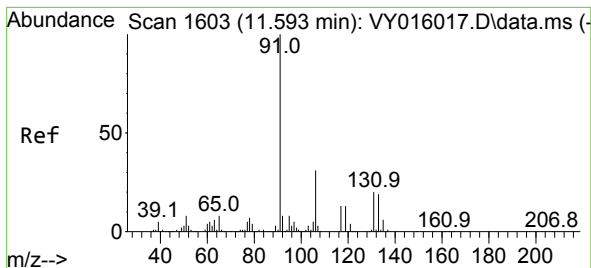
Tgt Ion:112 Resp: 706538  
Ion Ratio Lower Upper  
112 100  
114 32.3 25.5 38.3



#66  
1,1,1,2-Tetrachloroethane  
Concen: 99.069 ug/l  
RT: 11.593 min Scan# 1603  
Delta R.T. 0.000 min  
Lab File: VY016018.D  
Acq: 18 Oct 2023 13:02

Tgt Ion:131 Resp: 266981  
Ion Ratio Lower Upper  
131 100  
133 95.3 47.5 142.6  
119 65.4 31.6 94.7





#67

Ethyl Benzene

Concen: 100.547 ug/l

RT: 11.593 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY016018.D

Acq: 18 Oct 2023 13:02

Instrument :

MSVOA\_Y

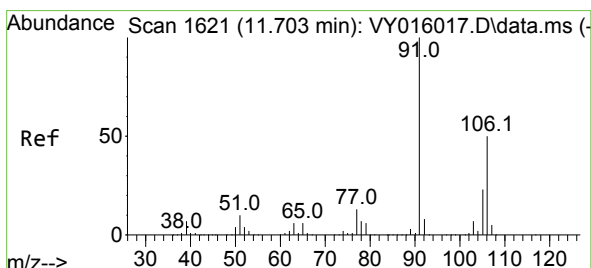
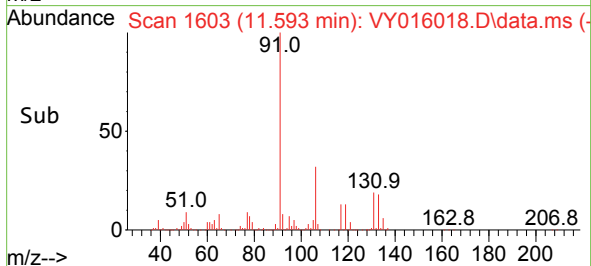
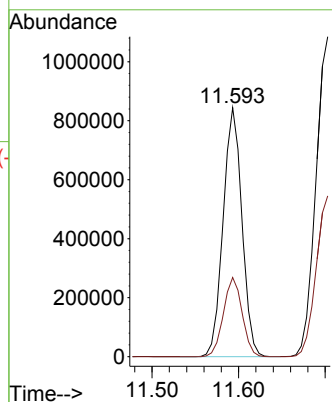
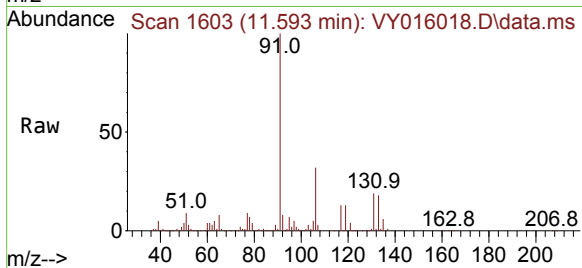
ClientSampleId :

Tgt Ion: 91 Resp: 1272110

Ion Ratio Lower Upper

91 100

106 31.8 24.6 36.8



#68

m/p-Xylenes

Concen: 200.329 ug/l

RT: 11.703 min Scan# 1621

Delta R.T. 0.000 min

Lab File: VY016018.D

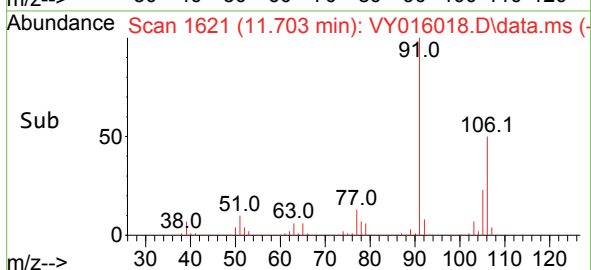
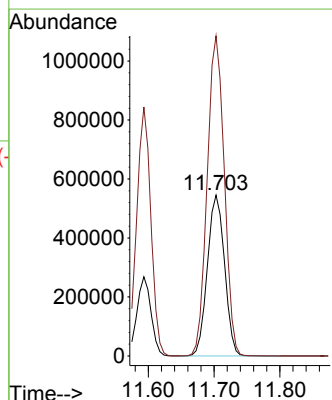
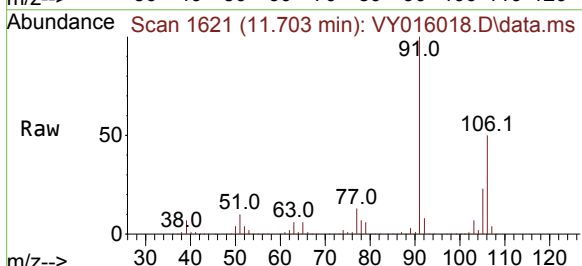
Acq: 18 Oct 2023 13:02

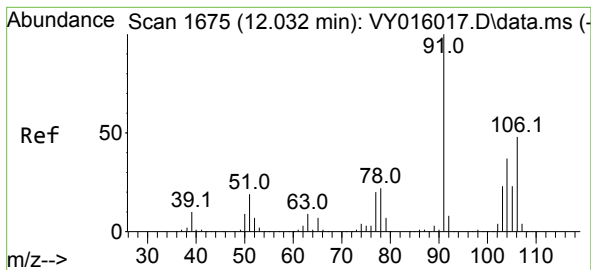
Tgt Ion:106 Resp: 988336

Ion Ratio Lower Upper

106 100

91 198.5 166.1 249.1

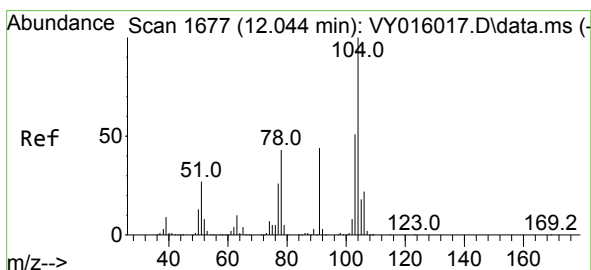
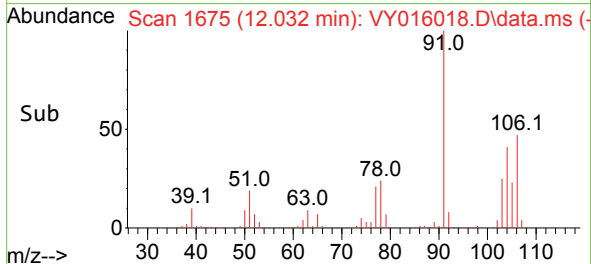
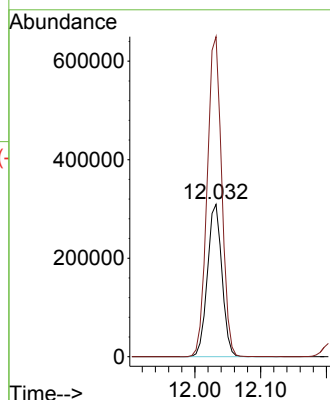
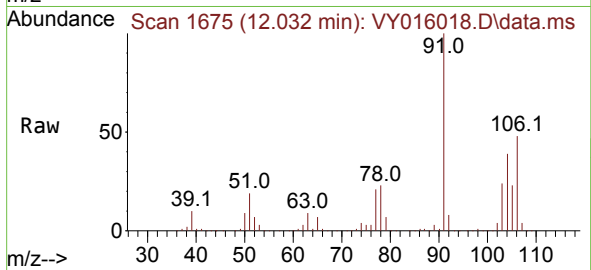




#69  
o-Xylene  
Concen: 101.004 ug/l  
RT: 12.032 min Scan# 1675  
Delta R.T. 0.000 min  
Lab File: VY016018.D  
Acq: 18 Oct 2023 13:02

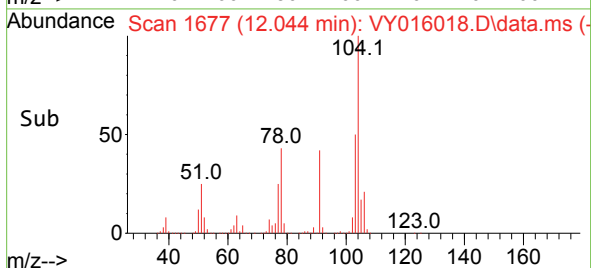
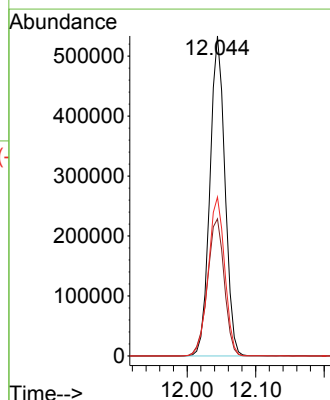
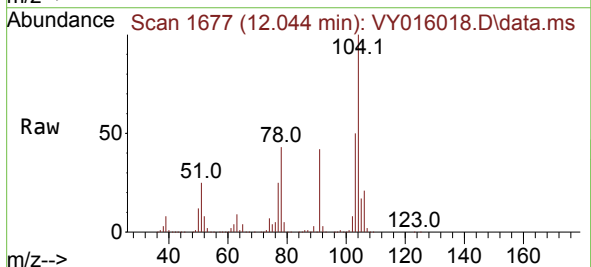
Instrument :  
MSVOA\_Y  
ClientSampleId :

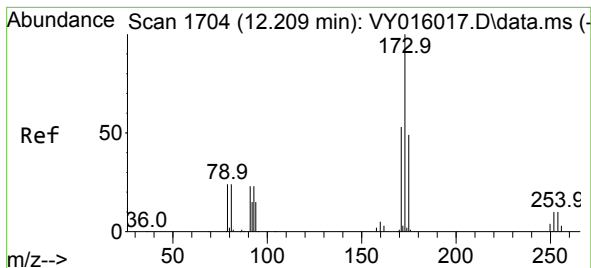
Tgt Ion:106 Resp: 474059  
Ion Ratio Lower Upper  
106 100  
91 210.7 108.1 324.3



#70  
Styrene  
Concen: 101.902 ug/l  
RT: 12.044 min Scan# 1677  
Delta R.T. 0.000 min  
Lab File: VY016018.D  
Acq: 18 Oct 2023 13:02

Tgt Ion:104 Resp: 815141  
Ion Ratio Lower Upper  
104 100  
78 47.9 41.5 62.3  
103 54.3 44.6 67.0





#71

Bromoform

Concen: 103.000 ug/l

RT: 12.209 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY016018.D

Acq: 18 Oct 2023 13:02

Instrument :

MSVOA\_Y

ClientSampleId :

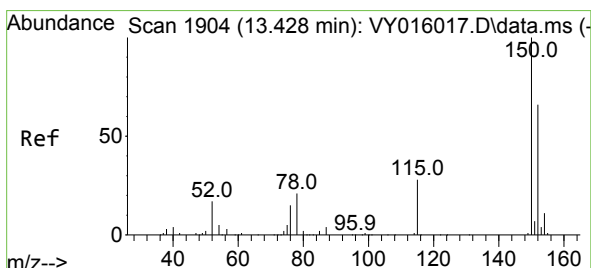
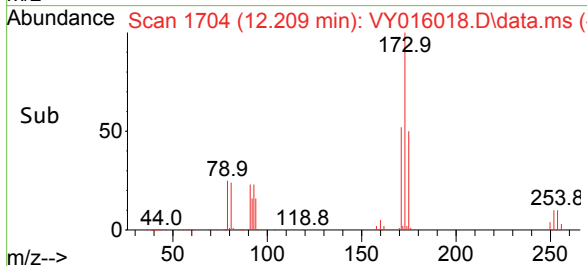
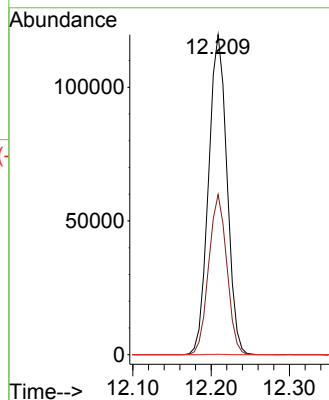
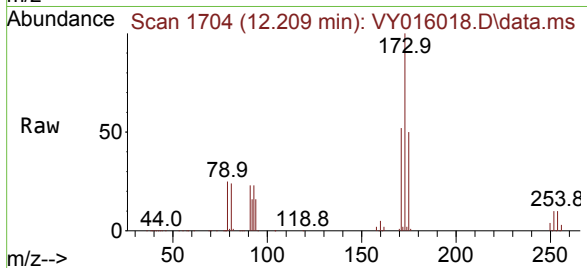
Tgt Ion:173 Resp: 195316

Ion Ratio Lower Upper

173 100

175 49.2 24.6 73.8

254 0.1 0.2 0.2#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY016018.D

Acq: 18 Oct 2023 13:02

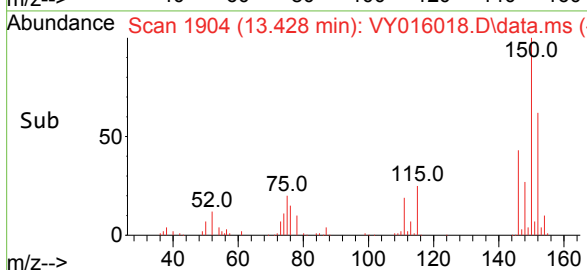
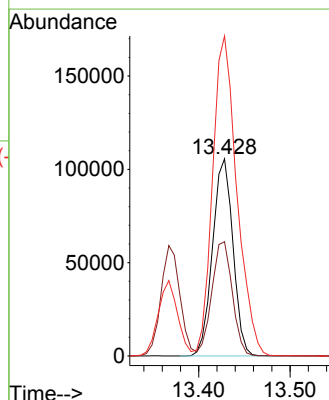
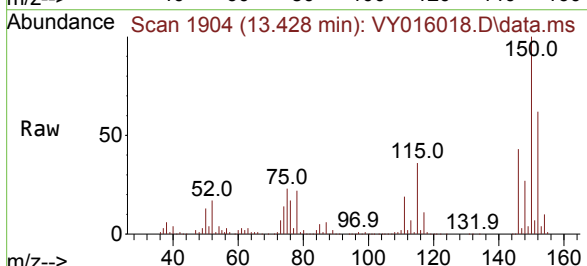
Tgt Ion:152 Resp: 163873

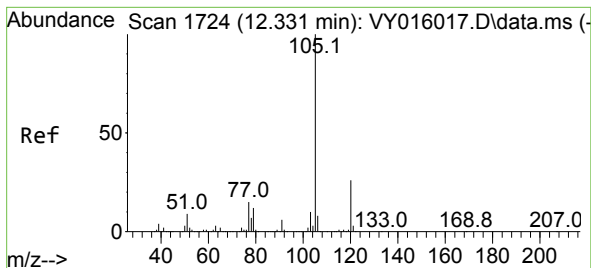
Ion Ratio Lower Upper

152 100

115 58.1 28.8 86.5

150 192.9 0.0 348.8





#73

Isopropylbenzene

Concen: 101.453 ug/l

RT: 12.331 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY016018.D

Acq: 18 Oct 2023 13:02

Instrument :

MSVOA\_Y

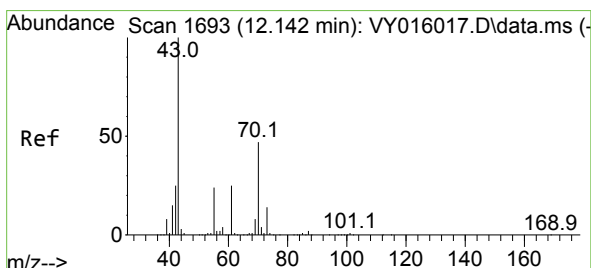
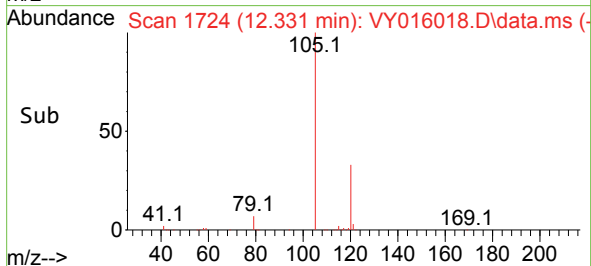
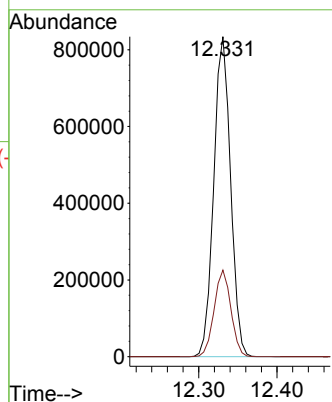
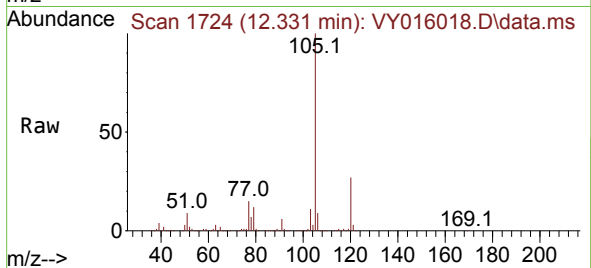
ClientSampleId :

Tgt Ion:105 Resp: 1243642

Ion Ratio Lower Upper

105 100

120 26.9 13.3 39.9



#74

N-ethyl acetate

Concen: 108.676 ug/l

RT: 12.142 min Scan# 1693

Delta R.T. 0.000 min

Lab File: VY016018.D

Acq: 18 Oct 2023 13:02

Tgt Ion: 43 Resp: 420773

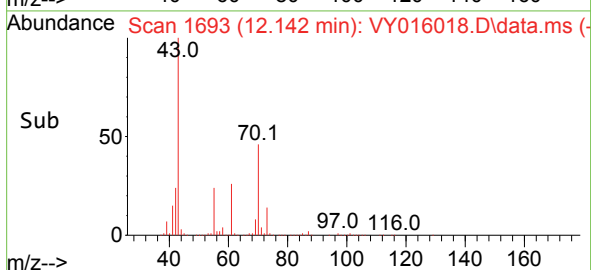
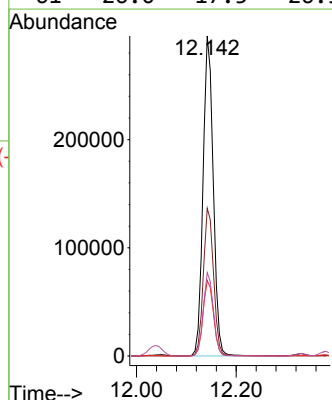
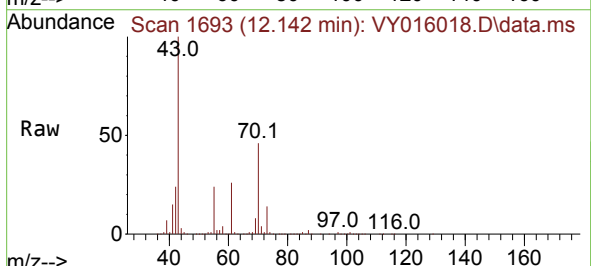
Ion Ratio Lower Upper

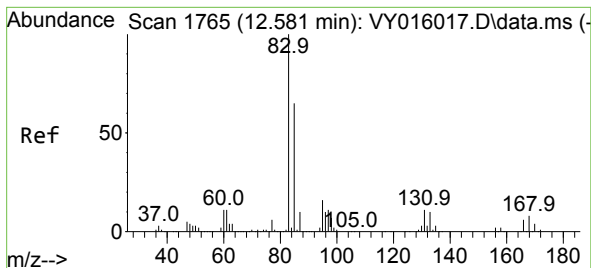
43 100

70 46.4 29.7 44.5

55 24.0 18.3 27.5

61 26.0 17.5 26.3





#75

1,1,2,2-Tetrachloroethane

Concen: 102.118 ug/l

RT: 12.581 min Scan# 1765

Delta R.T. 0.000 min

Lab File: VY016018.D

Acq: 18 Oct 2023 13:02

Instrument :

MSVOA\_Y

ClientSampleId :

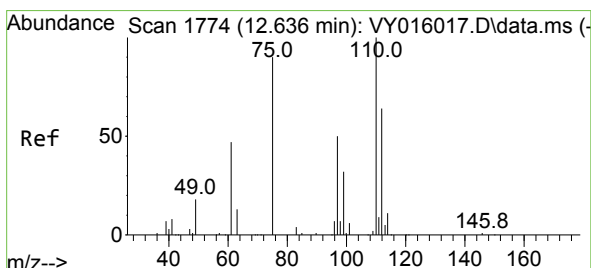
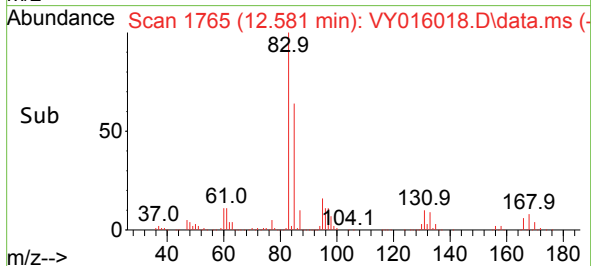
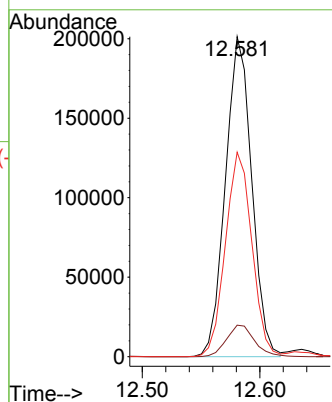
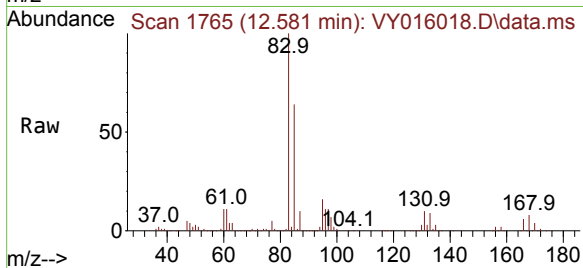
Tgt Ion: 83 Resp: 313524

Ion Ratio Lower Upper

83 100

131 10.6 5.4 16.2

85 64.3 31.8 95.4



#76

1,2,3-Trichloropropane

Concen: 175.470 ug/l

RT: 12.630 min Scan# 1773

Delta R.T. -0.006 min

Lab File: VY016018.D

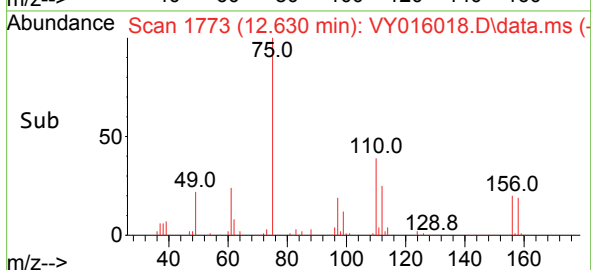
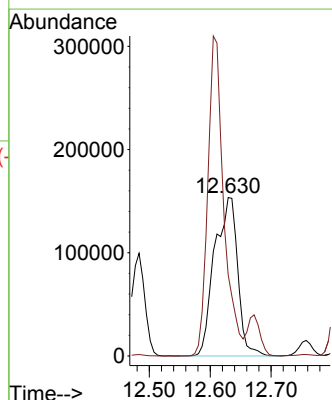
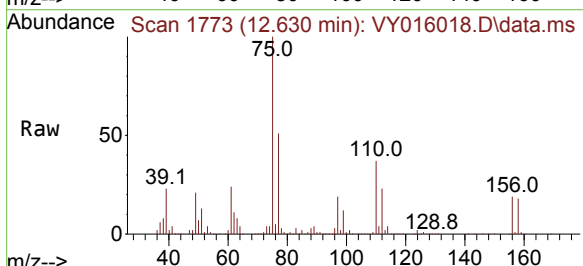
Acq: 18 Oct 2023 13:02

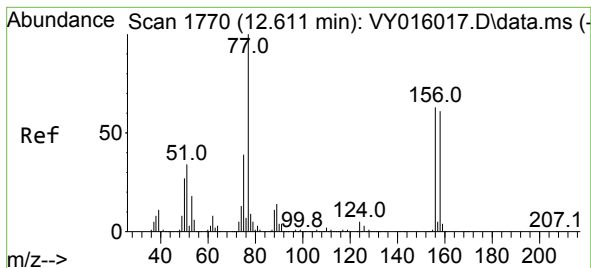
Tgt Ion: 75 Resp: 405610

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 99.701 ug/l

RT: 12.611 min Scan# 1770

Delta R.T. 0.000 min

Lab File: VY016018.D

Acq: 18 Oct 2023 13:02

Instrument :

MSVOA\_Y

ClientSampleId :

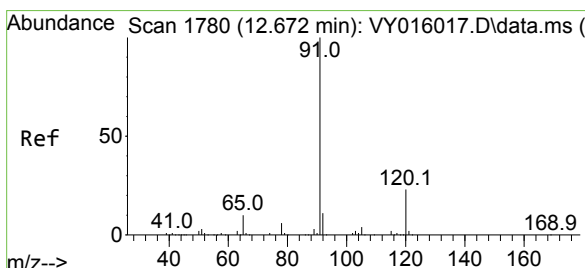
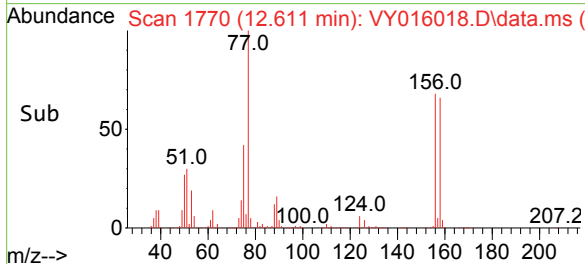
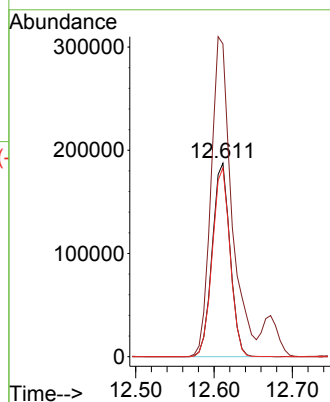
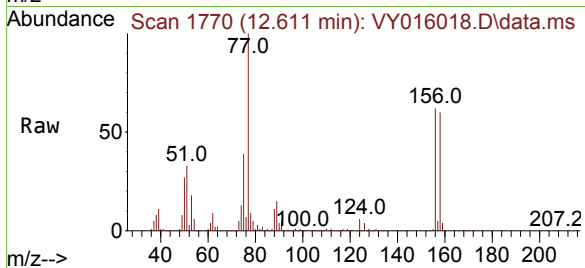
Tgt Ion:156 Resp: 296642

Ion Ratio Lower Upper

156 100

77 191.2 92.8 278.6

158 97.2 48.4 145.3



#78

n-propylbenzene

Concen: 101.385 ug/l

RT: 12.672 min Scan# 1780

Delta R.T. 0.000 min

Lab File: VY016018.D

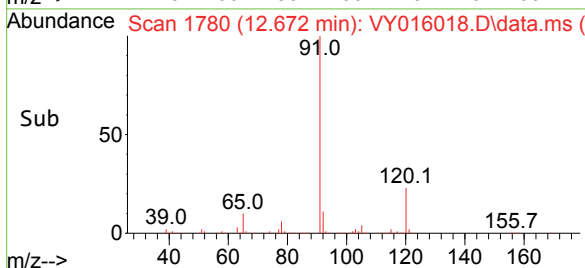
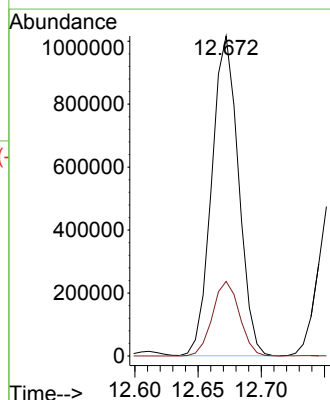
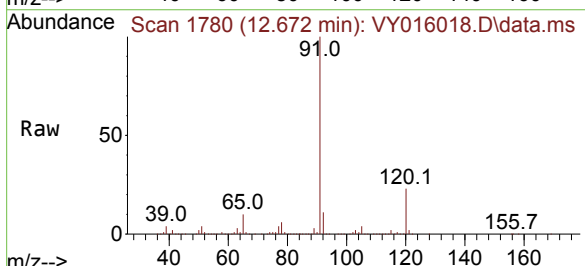
Acq: 18 Oct 2023 13:02

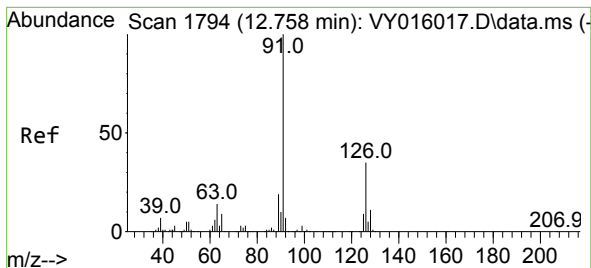
Tgt Ion: 91 Resp: 1496929

Ion Ratio Lower Upper

91 100

120 23.4 11.5 34.4





#79

2-Chlorotoluene

Concen: 100.704 ug/l

RT: 12.758 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY016018.D

Acq: 18 Oct 2023 13:02

Instrument :

MSVOA\_Y

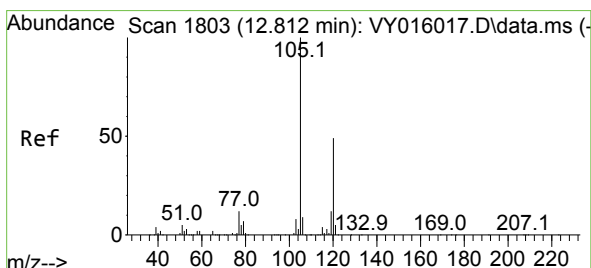
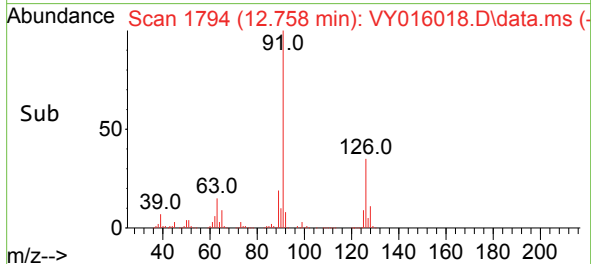
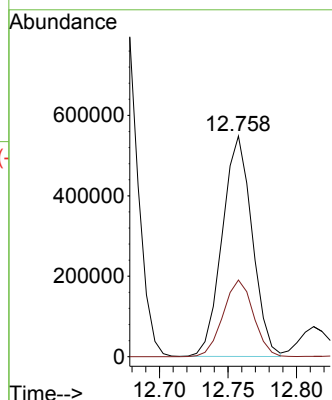
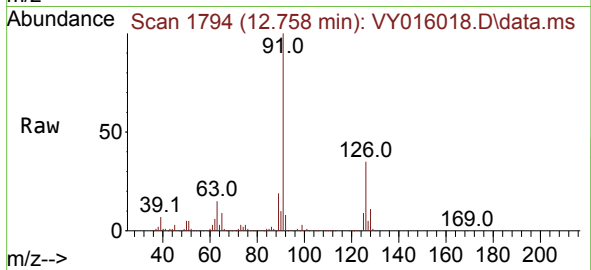
ClientSampleId :

Tgt Ion: 91 Resp: 834588

Ion Ratio Lower Upper

91 100

126 35.2 17.3 51.7



#80

1,3,5-Trimethylbenzene

Concen: 100.993 ug/l

RT: 12.812 min Scan# 1803

Delta R.T. 0.000 min

Lab File: VY016018.D

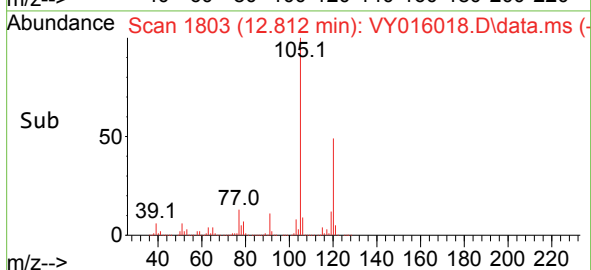
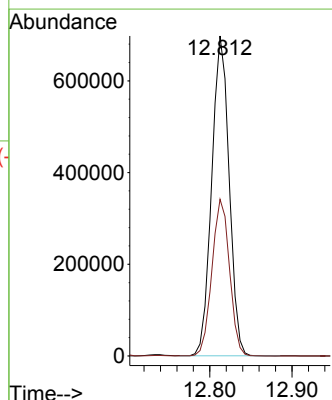
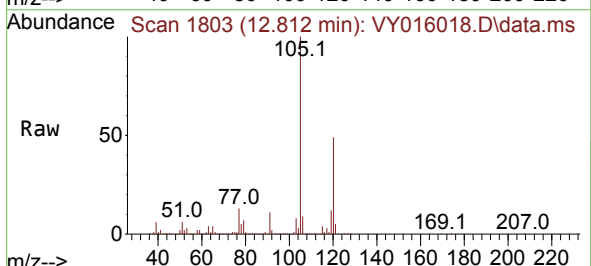
Acq: 18 Oct 2023 13:02

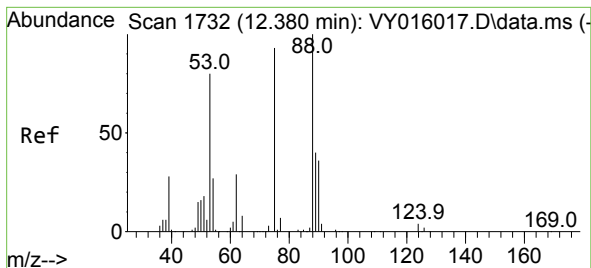
Tgt Ion:105 Resp: 1025434

Ion Ratio Lower Upper

105 100

120 49.5 23.9 71.7

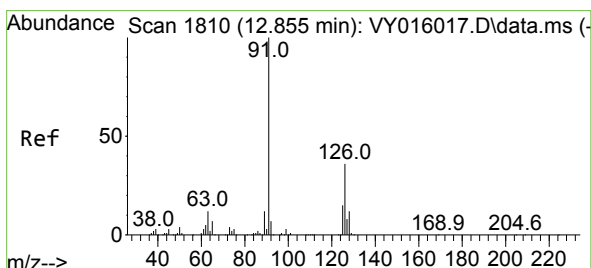
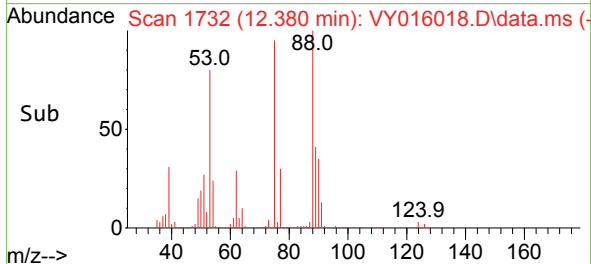
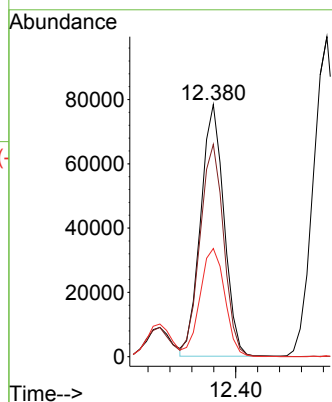
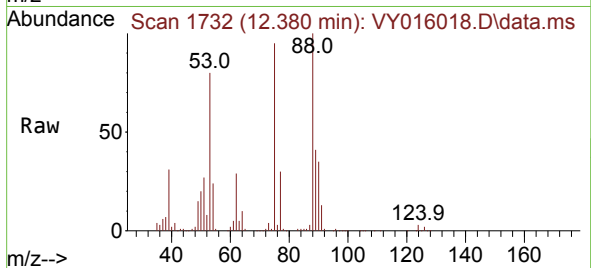




#81  
trans-1,4-Dichloro-2-butene  
Concen: 108.864 ug/l  
RT: 12.380 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY016018.D  
Acq: 18 Oct 2023 13:02

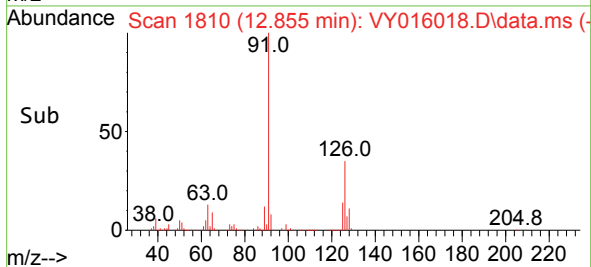
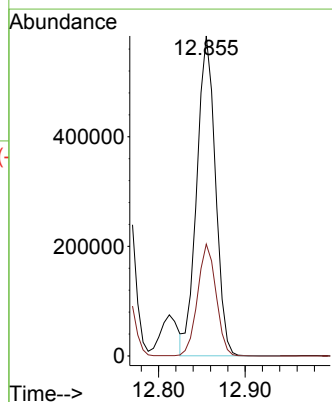
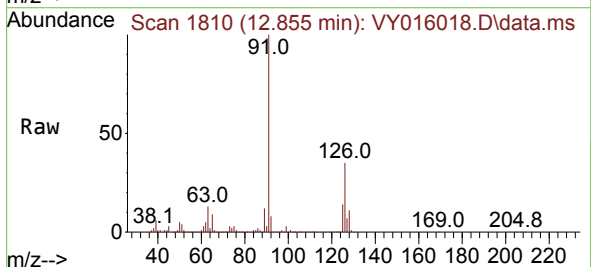
Instrument :  
MSVOA\_Y  
ClientSampleId :

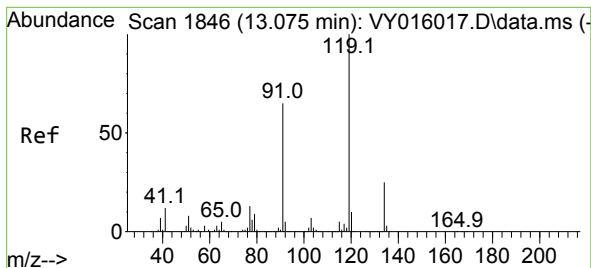
Tgt Ion: 75 Resp: 115715  
Ion Ratio Lower Upper  
75 100  
53 86.1 77.8 116.8  
89 45.9 37.4 56.0



#82  
4-Chlorotoluene  
Concen: 100.708 ug/l  
RT: 12.855 min Scan# 1810  
Delta R.T. 0.000 min  
Lab File: VY016018.D  
Acq: 18 Oct 2023 13:02

Tgt Ion: 91 Resp: 871057  
Ion Ratio Lower Upper  
91 100  
126 34.7 17.2 51.6





#83

tert-Butylbenzene

Concen: 101.843 ug/l

RT: 13.075 min Scan# 1846

Delta R.T. 0.000 min

Lab File: VY016018.D

Acq: 18 Oct 2023 13:02

Instrument :

MSVOA\_Y

ClientSampleId :

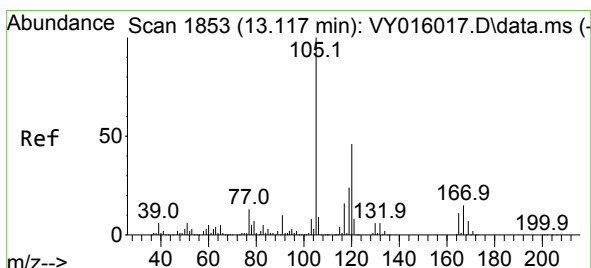
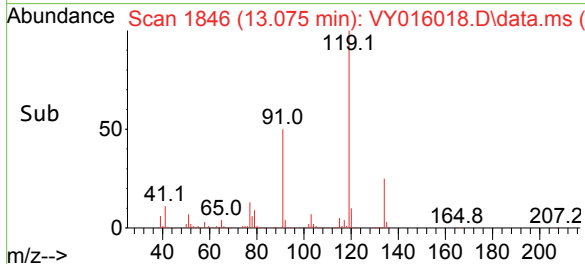
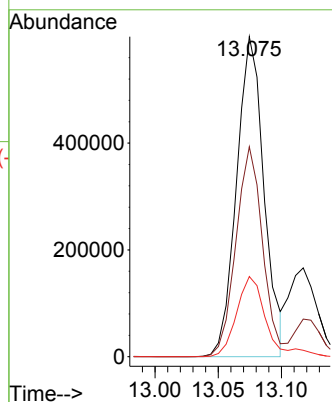
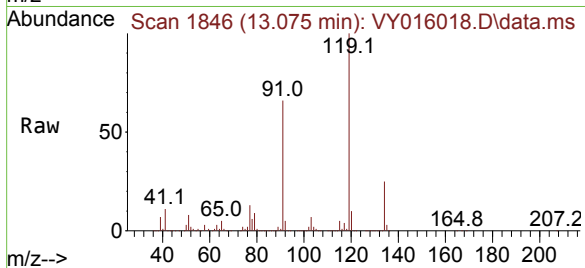
Tgt Ion:119 Resp: 906735

Ion Ratio Lower Upper

119 100

91 63.2 32.9 98.6

134 27.0 13.0 38.9



#84

1,2,4-Trimethylbenzene

Concen: 100.904 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VY016018.D

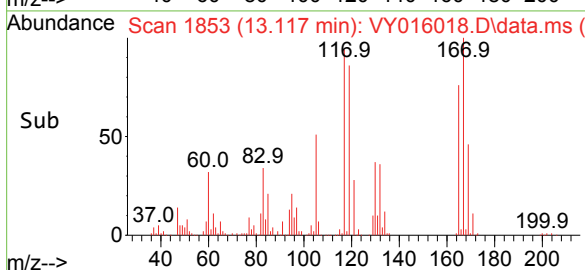
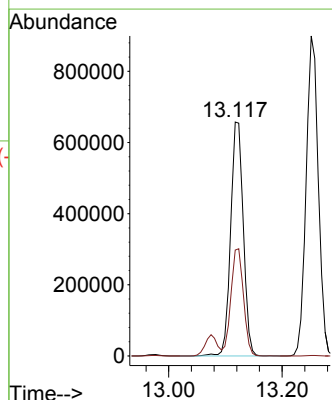
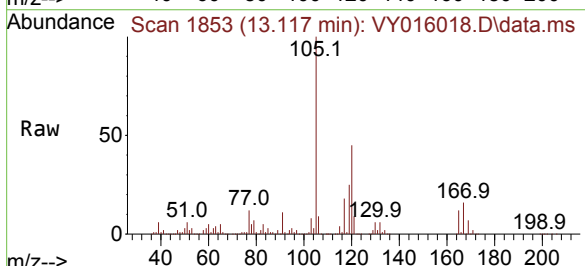
Acq: 18 Oct 2023 13:02

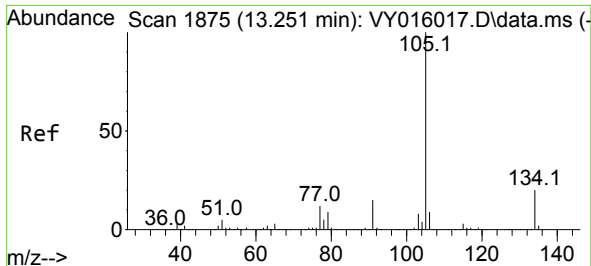
Tgt Ion:105 Resp: 1017389

Ion Ratio Lower Upper

105 100

120 45.5 22.2 66.6

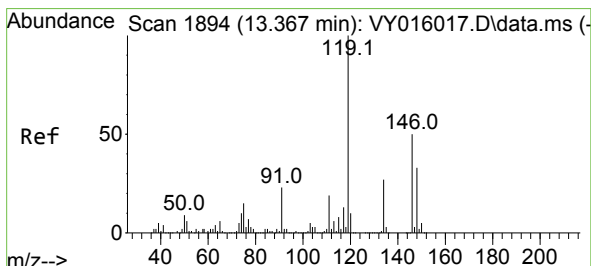
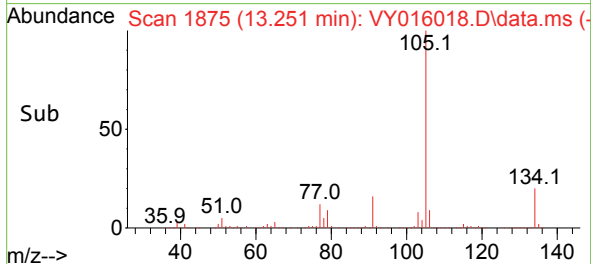
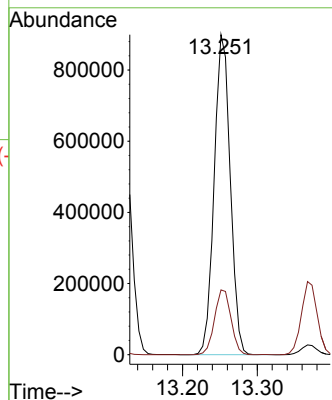
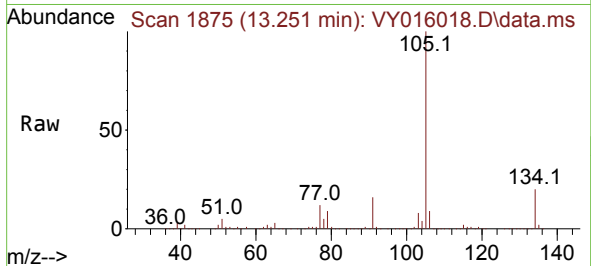




#85  
 sec-Butylbenzene  
 Concen: 100.964 ug/l  
 RT: 13.251 min Scan# 1875  
 Delta R.T. 0.000 min  
 Lab File: VY016018.D  
 Acq: 18 Oct 2023 13:02

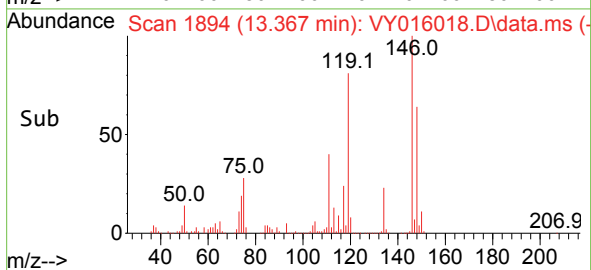
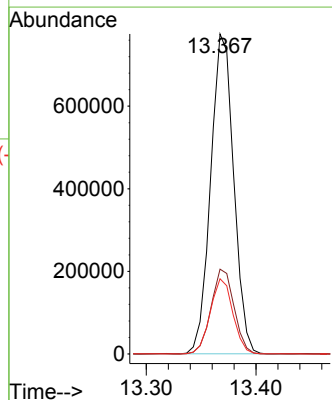
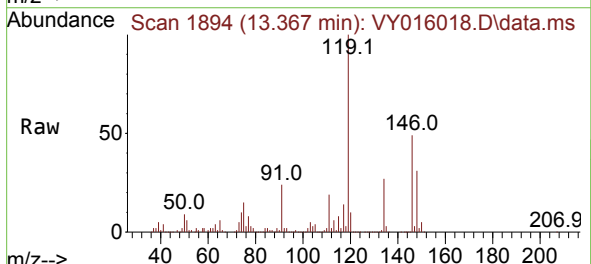
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

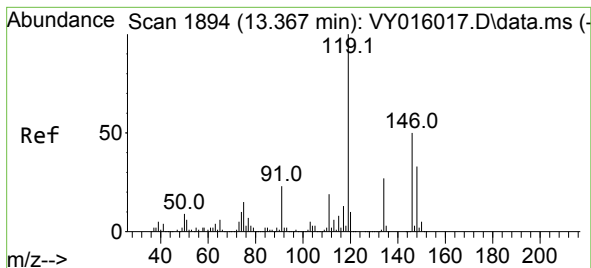
Tgt Ion:105 Resp: 1342532  
 Ion Ratio Lower Upper  
 105 100  
 134 20.8 10.2 30.6



#86  
 p-Isopropyltoluene  
 Concen: 101.763 ug/l  
 RT: 13.367 min Scan# 1894  
 Delta R.T. 0.000 min  
 Lab File: VY016018.D  
 Acq: 18 Oct 2023 13:02

Tgt Ion:119 Resp: 1130812  
 Ion Ratio Lower Upper  
 119 100  
 134 26.5 13.3 39.8  
 91 23.0 12.4 37.4





#87

1,3-Dichlorobenzene

Concen: 100.346 ug/l

RT: 13.367 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY016018.D

Acq: 18 Oct 2023 13:02

Instrument :

MSVOA\_Y

ClientSampleId :

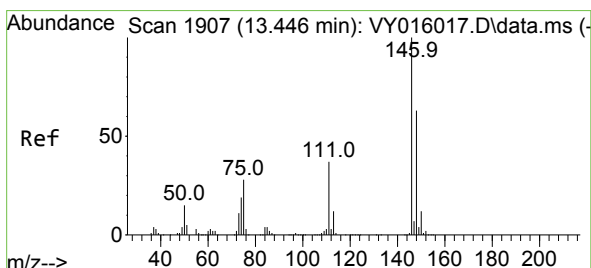
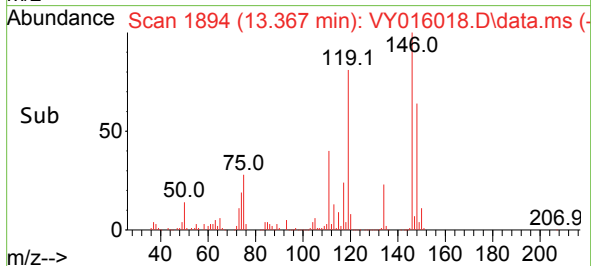
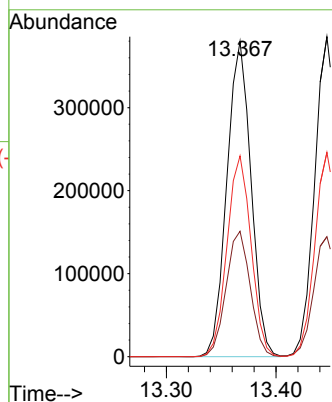
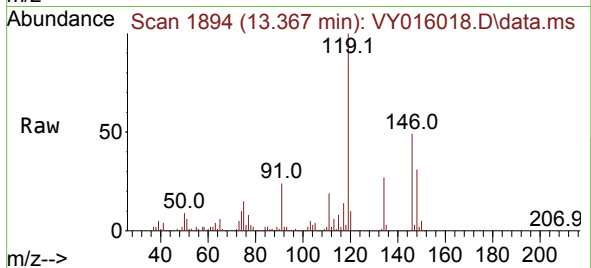
Tgt Ion:146 Resp: 580906

Ion Ratio Lower Upper

146 100

111 39.8 19.4 58.2

148 63.6 31.9 95.5



#88

1,4-Dichlorobenzene

Concen: 98.850 ug/l

RT: 13.446 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY016018.D

Acq: 18 Oct 2023 13:02

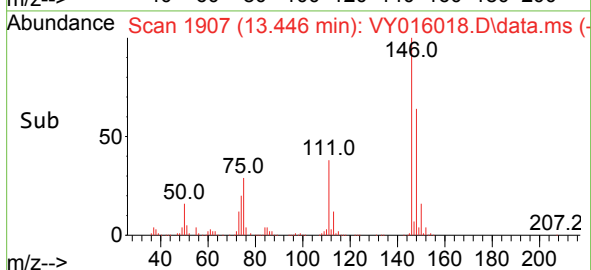
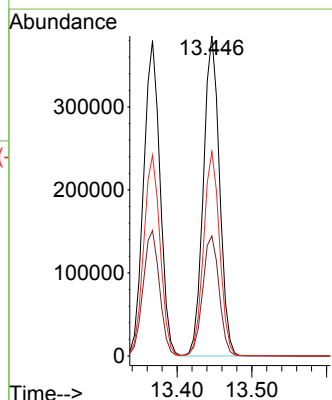
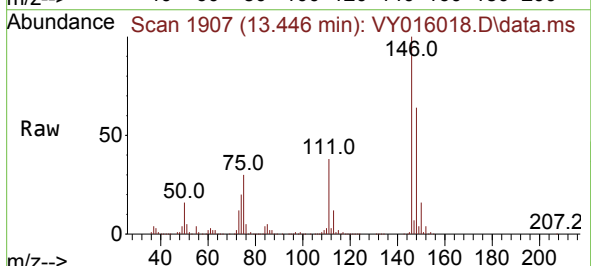
Tgt Ion:146 Resp: 576162

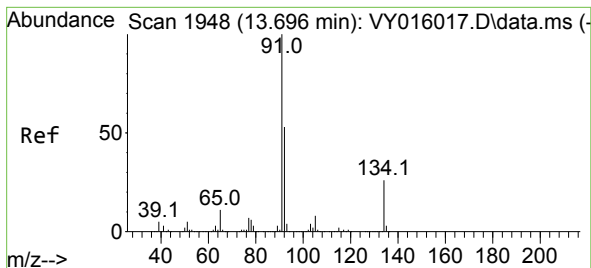
Ion Ratio Lower Upper

146 100

111 38.3 18.9 56.7

148 63.6 32.1 96.5





#89

n-Butylbenzene

Concen: 101.564 ug/l

RT: 13.696 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VY016018.D

Acq: 18 Oct 2023 13:02

Instrument :

MSVOA\_Y

ClientSampleId :

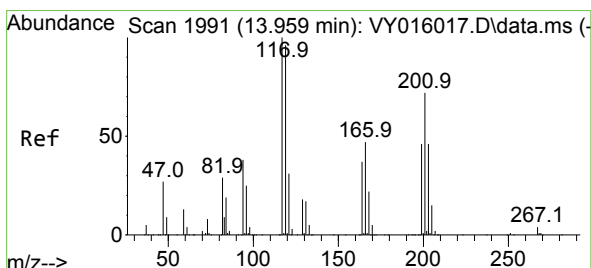
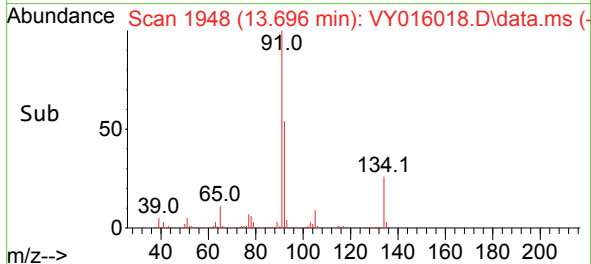
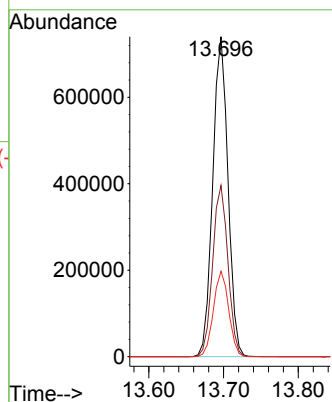
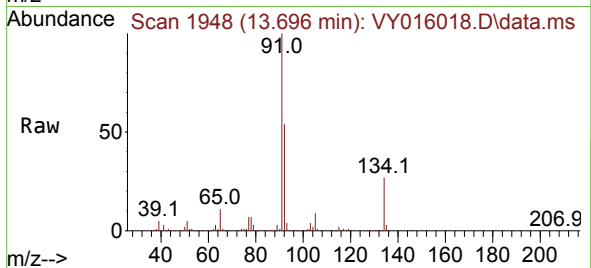
Tgt Ion: 91 Resp: 1050657

Ion Ratio Lower Upper

91 100

92 53.8 25.4 76.0

134 26.8 12.6 37.6



#90

Hexachloroethane

Concen: 101.715 ug/l

RT: 13.959 min Scan# 1991

Delta R.T. 0.000 min

Lab File: VY016018.D

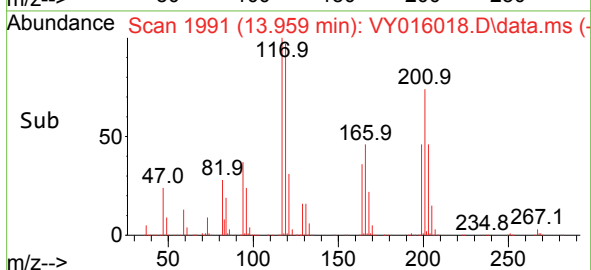
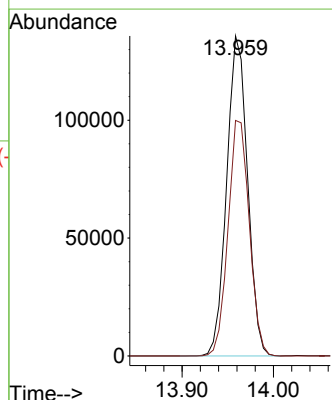
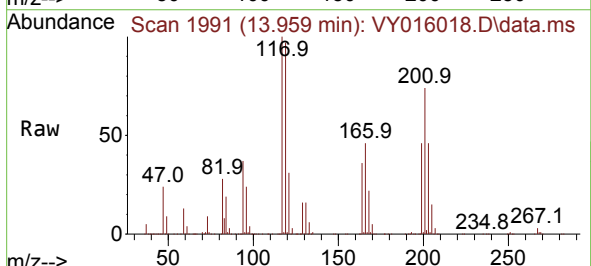
Acq: 18 Oct 2023 13:02

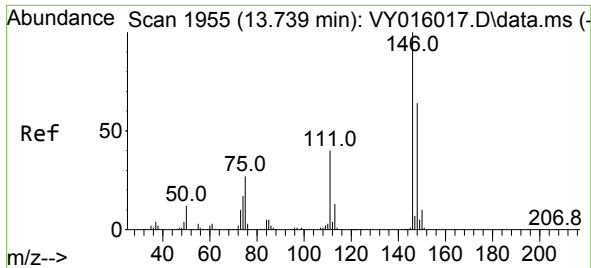
Tgt Ion: 117 Resp: 215464

Ion Ratio Lower Upper

117 100

201 75.1 41.6 124.8

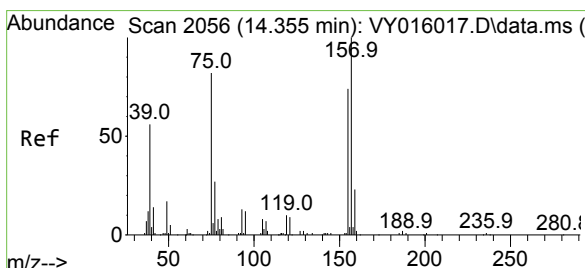
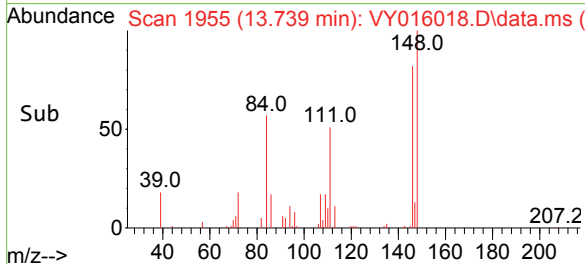
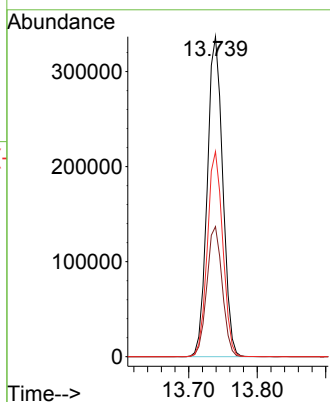
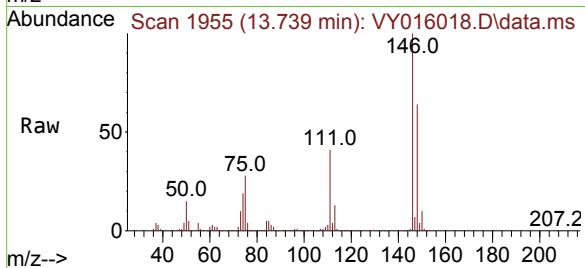




#91  
1,2-Dichlorobenzene  
Concen: 99.316 ug/l  
RT: 13.739 min Scan# 1955  
Delta R.T. 0.000 min  
Lab File: VY016018.D  
Acq: 18 Oct 2023 13:02

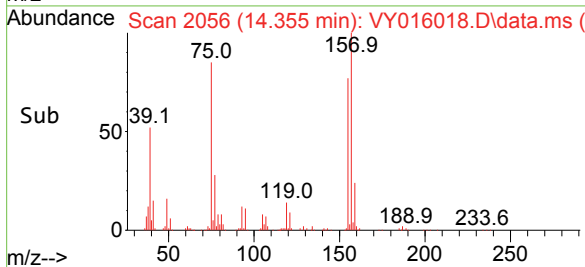
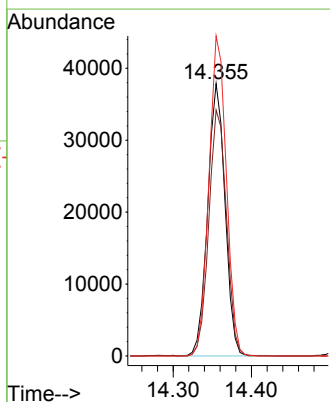
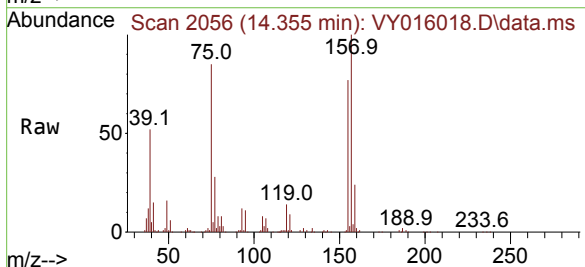
Instrument :  
MSVOA\_Y  
ClientSampleId :

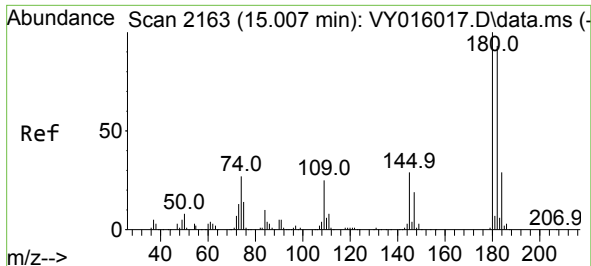
Tgt Ion:146 Resp: 527874  
Ion Ratio Lower Upper  
146 100  
111 40.6 19.7 59.0  
148 63.8 32.0 96.2



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 99.669 ug/l  
RT: 14.355 min Scan# 2056  
Delta R.T. 0.000 min  
Lab File: VY016018.D  
Acq: 18 Oct 2023 13:02

Tgt Ion: 75 Resp: 58250  
Ion Ratio Lower Upper  
75 100  
155 92.1 41.5 124.6  
157 118.1 51.8 155.5

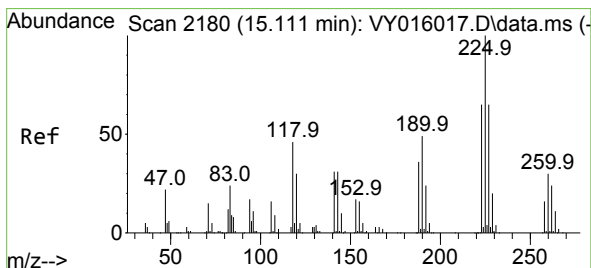
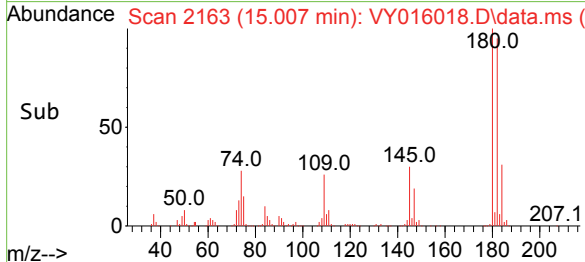
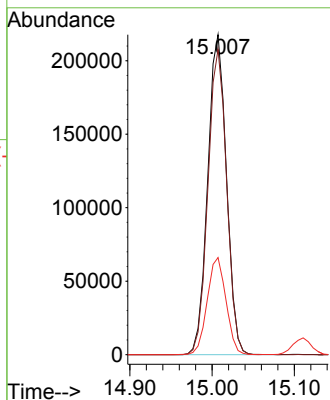
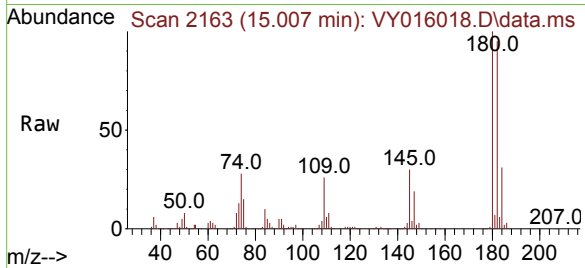




#93  
1,2,4-Trichlorobenzene  
Concen: 101.792 ug/l  
RT: 15.007 min Scan# 2163  
Delta R.T. 0.000 min  
Lab File: VY016018.D  
Acq: 18 Oct 2023 13:02

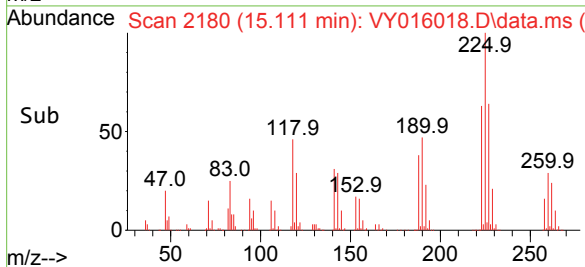
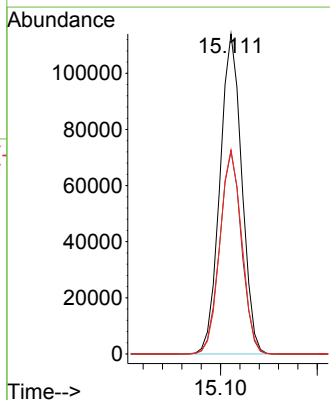
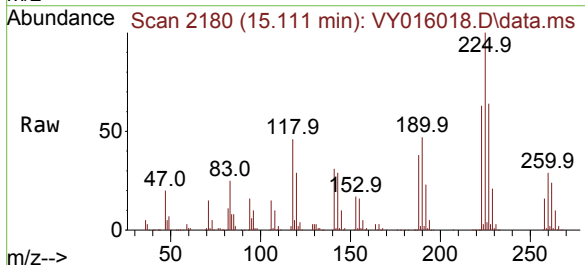
Instrument :  
MSVOA\_Y  
ClientSampleId :

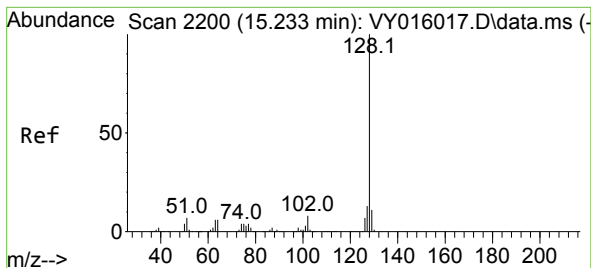
Tgt Ion:180 Resp: 344667  
Ion Ratio Lower Upper  
180 100  
182 95.2 47.0 141.2  
145 30.5 14.5 43.5



#94  
Hexachlorobutadiene  
Concen: 97.075 ug/l  
RT: 15.111 min Scan# 2180  
Delta R.T. 0.000 min  
Lab File: VY016018.D  
Acq: 18 Oct 2023 13:02

Tgt Ion:225 Resp: 178531  
Ion Ratio Lower Upper  
225 100  
223 63.1 31.9 95.9  
227 63.8 33.0 98.9





#95

Naphthalene

Concen: 105.147 ug/l

RT: 15.233 min Scan# 2200

Delta R.T. 0.000 min

Lab File: VY016018.D

Acq: 18 Oct 2023 13:02

Instrument :

MSVOA\_Y

ClientSampleId :

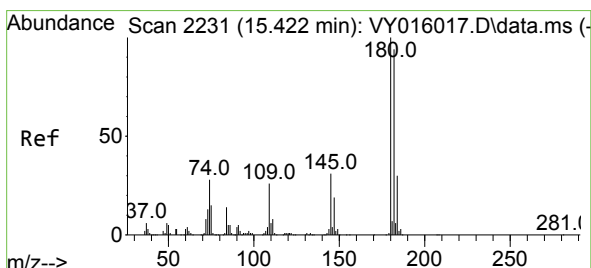
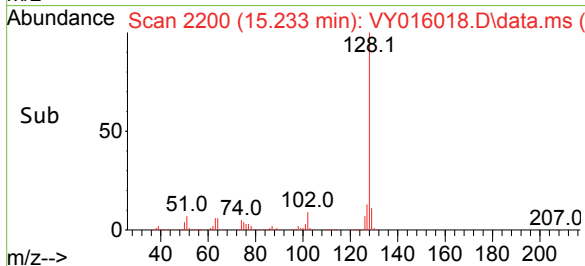
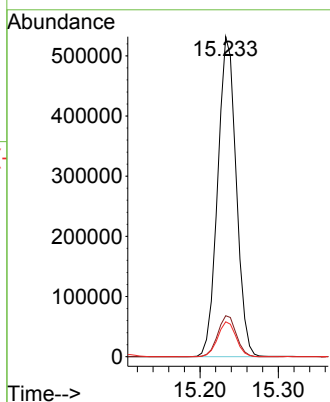
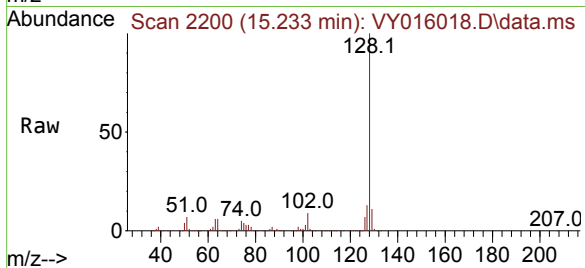
Tgt Ion:128 Resp: 873834

Ion Ratio Lower Upper

128 100

127 12.9 10.8 16.2

129 10.9 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 102.383 ug/l

RT: 15.422 min Scan# 2231

Delta R.T. 0.000 min

Lab File: VY016018.D

Acq: 18 Oct 2023 13:02

Tgt Ion:180 Resp: 316652

Ion Ratio Lower Upper

180 100

182 93.7 47.3 141.8

145 32.2 15.4 46.2

