

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY011824\  
 Data File : VY017029.D  
 Acq On : 18 Jan 2024 10:08  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Jan 19 02:23:55 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y010224S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 02 14:25:32 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.826  | 168  | 149464   | 50.000 | ug/l  | 0.02     |
| 34) 1,4-Difluorobenzene    | 8.722  | 114  | 245659   | 50.000 | ug/l  | 0.02     |
| 63) Chlorobenzene-d5       | 11.514 | 117  | 206375   | 50.000 | ug/l  | 0.01     |
| 72) 1,4-Dichlorobenzene-d4 | 13.447 | 152  | 89333    | 50.000 | ug/l  | 0.01     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.179  | 65    | 65190    | 44.129   | ug/l | 0.02    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 88.260% |
| 35) Dibromofluoromethane    | 7.759  | 113   | 75745    | 48.386   | ug/l | 0.03    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 96.780% |
| 50) Toluene-d8              | 10.209 | 98    | 254531   | 47.218   | ug/l | 0.02    |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 94.440% |
| 62) 4-Bromofluorobenzene    | 12.502 | 95    | 86585    | 47.608   | ug/l | 0.01    |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 95.220% |

|                              |       |     |        |         |        |     |
|------------------------------|-------|-----|--------|---------|--------|-----|
| Target Compounds             |       |     |        |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.924 | 85  | 62687  | 56.495  | ug/l   | 93  |
| 3) Chloromethane             | 2.138 | 50  | 102693 | 58.489  | ug/l   | 99  |
| 4) Vinyl Chloride            | 2.278 | 62  | 118607 | 57.270  | ug/l   | 99  |
| 5) Bromomethane              | 2.686 | 94  | 82818  | 55.819  | ug/l   | 96  |
| 6) Chloroethane              | 2.826 | 64  | 76336  | 54.489  | ug/l   | 98  |
| 7) Trichlorofluoromethane    | 3.162 | 101 | 130201 | 51.023  | ug/l   | 99  |
| 8) Diethyl Ether             | 3.570 | 74  | 40321  | 49.443  | ug/l   | 100 |
| 9) 1,1,2-Trichlorotrifluo... | 3.942 | 101 | 82149  | 49.511  | ug/l   | 99  |
| 10) Methyl Iodide            | 4.143 | 142 | 83825  | 59.385  | ug/l   | 98  |
| 11) Tert butyl alcohol       | 5.003 | 59  | 21273  | 189.980 | ug/l # | 91  |
| 12) 1,1-Dichloroethene       | 3.918 | 96  | 77001  | 54.089  | ug/l   | 96  |
| 13) Acrolein                 | 3.771 | 56  | 27479  | 167.997 | ug/l   | 96  |
| 14) Allyl chloride           | 4.527 | 41  | 117289 | 52.116  | ug/l   | 98  |
| 15) Acrylonitrile            | 5.210 | 53  | 84225  | 220.803 | ug/l   | 99  |
| 16) Acetone                  | 3.985 | 43  | 84327  | 229.649 | ug/l   | 100 |
| 17) Carbon Disulfide         | 4.247 | 76  | 241650 | 71.042  | ug/l   | 100 |
| 18) Methyl Acetate           | 4.521 | 43  | 79149  | 50.010  | ug/l   | 98  |
| 19) Methyl tert-butyl Ether  | 5.271 | 73  | 175071 | 47.270  | ug/l   | 99  |
| 20) Methylene Chloride       | 4.771 | 84  | 83264  | 42.257  | ug/l   | 98  |
| 21) trans-1,2-Dichloroethene | 5.271 | 96  | 90424  | 55.460  | ug/l   | 98  |
| 22) Diisopropyl ether        | 6.167 | 45  | 255567 | 49.119  | ug/l   | 96  |
| 23) Vinyl Acetate            | 6.106 | 43  | 558482 | 234.096 | ug/l   | 99  |
| 24) 1,1-Dichloroethane       | 6.070 | 63  | 153931 | 49.232  | ug/l   | 99  |
| 25) 2-Butanone               | 7.027 | 43  | 113373 | 223.880 | ug/l   | 99  |
| 26) 2,2-Dichloropropane      | 7.027 | 77  | 132978 | 49.052  | ug/l   | 99  |
| 27) cis-1,2-Dichloroethene   | 7.027 | 96  | 99030  | 51.814  | ug/l   | 99  |
| 28) Bromochloromethane       | 7.374 | 49  | 65440  | 55.750  | ug/l   | 100 |
| 29) Tetrahydrofuran          | 7.387 | 42  | 66629  | 222.848 | ug/l   | 99  |
| 30) Chloroform               | 7.545 | 83  | 155781 | 48.348  | ug/l   | 98  |
| 31) Cyclohexane              | 7.826 | 56  | 142321 | 56.133  | ug/l   | 98  |
| 32) 1,1,1-Trichloroethane    | 7.740 | 97  | 136781 | 50.066  | ug/l   | 100 |
| 36) 1,1-Dichloropropene      | 7.954 | 75  | 127684 | 55.967  | ug/l   | 100 |
| 37) Ethyl Acetate            | 7.112 | 43  | 46853  | 45.192  | ug/l   | 98  |
| 38) Carbon Tetrachloride     | 7.941 | 117 | 121489 | 52.414  | ug/l   | 100 |
| 39) Methylcyclohexane        | 9.216 | 83  | 159531 | 62.202  | ug/l   | 98  |
| 40) Benzene                  | 8.197 | 78  | 364648 | 53.282  | ug/l   | 99  |

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 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Jan 19 02:23:55 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y010224S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 02 14:25:32 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.350  | 41   | 26685    | 48.872  | ug/l   | 94       |
| 42) 1,2-Dichloroethane        | 8.277  | 62   | 90053    | 49.566  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 8.307  | 43   | 89183    | 44.920  | ug/l   | 99       |
| 44) Trichloroethene           | 8.972  | 130  | 93708    | 53.811  | ug/l   | 97       |
| 45) 1,2-Dichloropropane       | 9.246  | 63   | 87063    | 49.381  | ug/l   | 99       |
| 46) Dibromomethane            | 9.338  | 93   | 44334    | 49.305  | ug/l   | 100      |
| 47) Bromodichloromethane      | 9.527  | 83   | 117260   | 48.563  | ug/l   | 96       |
| 48) Methyl methacrylate       | 9.325  | 41   | 52685    | 49.171  | ug/l   | 99       |
| 49) 1,4-Dioxane               | 9.331  | 88   | 8504     | 913.389 | ug/l   | 99       |
| 51) 4-Methyl-2-Pentanone      | 10.100 | 43   | 237653   | 225.081 | ug/l   | 99       |
| 52) Toluene                   | 10.270 | 92   | 222275   | 53.817  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.490 | 75   | 106407   | 49.198  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 9.959  | 75   | 132258   | 50.920  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 10.673 | 97   | 61733    | 46.994  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 10.532 | 69   | 56098    | 50.418  | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 10.813 | 76   | 105101   | 47.920  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.807  | 63   | 151988   | 219.375 | ug/l   | 100      |
| 59) 2-Hexanone                | 10.856 | 43   | 169338   | 217.810 | ug/l   | 100      |
| 60) Dibromochloromethane      | 11.008 | 129  | 73295    | 48.382  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.112 | 107  | 56153    | 49.199  | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.746 | 164  | 72953    | 54.525  | ug/l   | 96       |
| 65) Chlorobenzene             | 11.538 | 112  | 223058   | 51.884  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.611 | 131  | 82935    | 50.747  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.618 | 91   | 427531   | 55.237  | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.727 | 106  | 319155   | 112.337 | ug/l   | 99       |
| 69) o-Xylene                  | 12.050 | 106  | 146218   | 54.899  | ug/l   | 99       |
| 70) Styrene                   | 12.069 | 104  | 212471   | 54.812  | ug/l   | 99       |
| 71) Bromoform                 | 12.233 | 173  | 38462    | 47.806  | ug/l # | 97       |
| 73) Isopropylbenzene          | 12.349 | 105  | 398945   | 54.688  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.166 | 43   | 68928    | 47.028  | ug/l   | 100      |
| 75) 1,1,2,2-Tetrachloroethane | 12.599 | 83   | 66853    | 44.977  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.654 | 75   | 81454    | 84.023  | ug/l # | 100      |
| 77) Bromobenzene              | 12.630 | 156  | 81515    | 50.752  | ug/l   | 97       |
| 78) n-propylbenzene           | 12.691 | 91   | 483735   | 54.545  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 12.776 | 91   | 256190   | 52.094  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.831 | 105  | 316722   | 54.896  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.398 | 75   | 19921    | 46.662  | ug/l   | 99       |
| 82) 4-Chlorotoluene           | 12.873 | 91   | 261639   | 52.075  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.093 | 119  | 279450   | 54.992  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.142 | 105  | 308907   | 54.368  | ug/l   | 97       |
| 85) sec-Butylbenzene          | 13.276 | 105  | 407488   | 54.118  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.392 | 119  | 341799   | 55.003  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.386 | 146  | 160066   | 50.815  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.465 | 146  | 155000   | 50.310  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.715 | 91   | 332888   | 55.715  | ug/l   | 99       |
| 90) Hexachloroethane          | 13.983 | 117  | 67982    | 50.910  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 13.764 | 146  | 135566   | 49.800  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 14.379 | 75   | 7942     | 42.609  | ug/l   | 96       |
| 93) 1,2,4-Trichlorobenzene    | 15.032 | 180  | 71728    | 53.062  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.135 | 225  | 43804    | 51.728  | ug/l   | 98       |
| 95) Naphthalene               | 15.257 | 128  | 127014   | 51.367  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.446 | 180  | 59097    | 51.488  | ug/l   | 99       |

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Sample : VSTDCCC050  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

Quant Time: Jan 19 02:23:55 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y010224S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jan 02 14:25:32 2024  
Response via : Initial Calibration

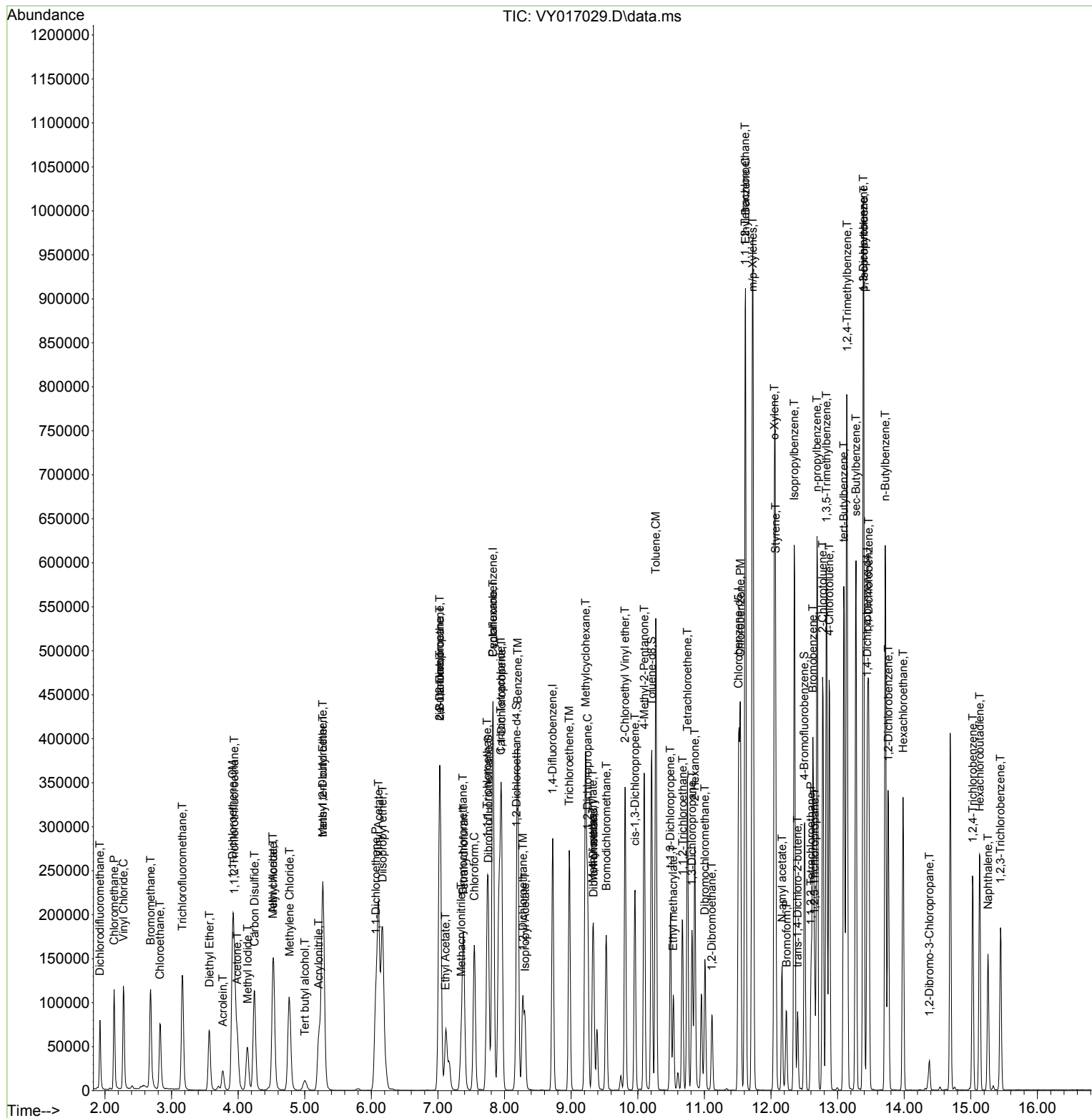
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

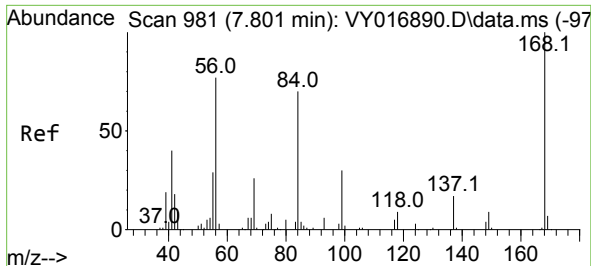
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 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/soil  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
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 QLast Update : Tue Jan 02 14:25:32 2024  
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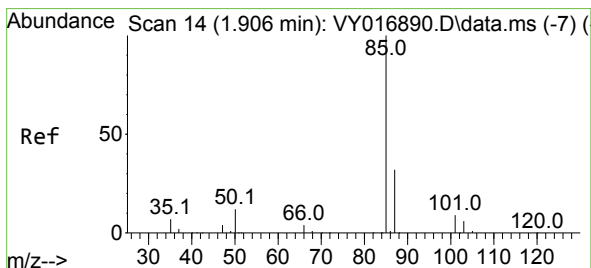
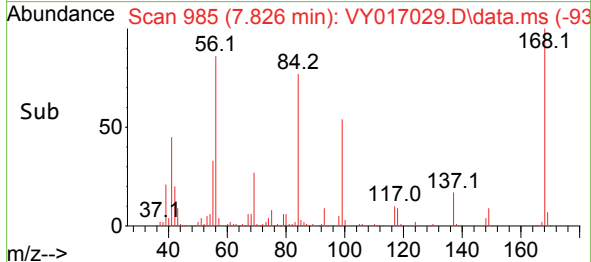
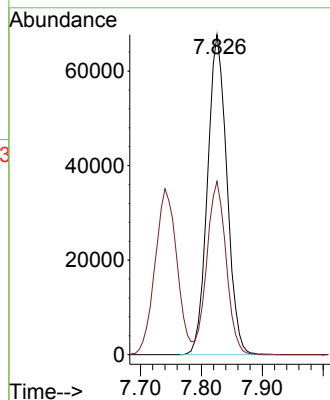
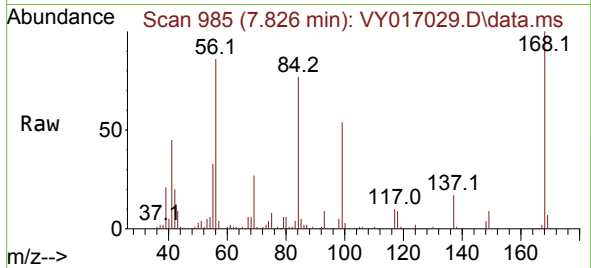




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.826 min Scan# 91  
Delta R.T. 0.025 min  
Lab File: VY017029.D  
Acq: 18 Jan 2024 10:08

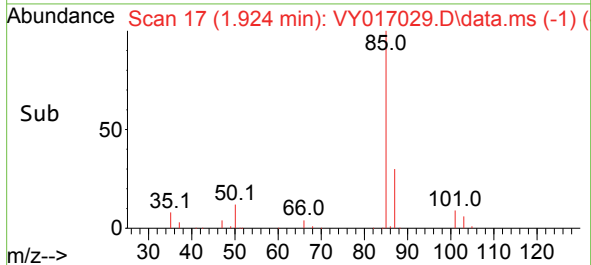
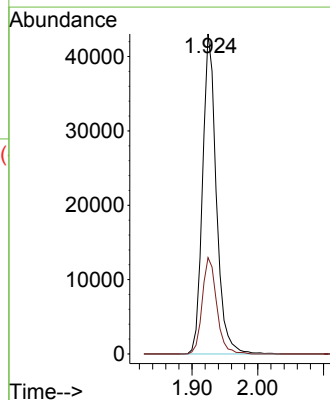
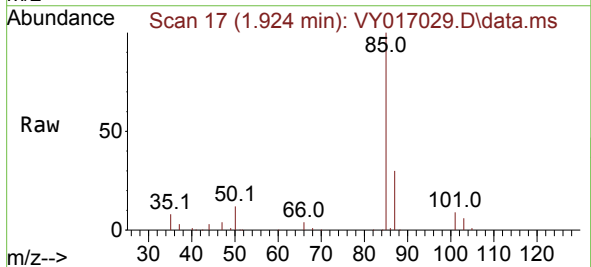
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MSVOA\_Y  
ClientSampleId :

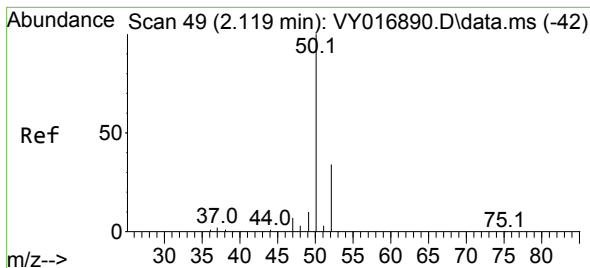
Tgt Ion:168 Resp: 149464  
Ion Ratio Lower Upper  
168 100  
99 54.1 44.2 66.4



#2  
Dichlorodifluoromethane  
Concen: 56.495 ug/l  
RT: 1.924 min Scan# 17  
Delta R.T. 0.012 min  
Lab File: VY017029.D  
Acq: 18 Jan 2024 10:08

Tgt Ion: 85 Resp: 62687  
Ion Ratio Lower Upper  
85 100  
87 30.1 17.1 51.3





#3

Chloromethane

Concen: 58.489 ug/l

RT: 2.138 min Scan# 51

Delta R.T. 0.019 min

Lab File: VY017029.D

Acq: 18 Jan 2024 10:08

Instrument :

MSVOA\_Y

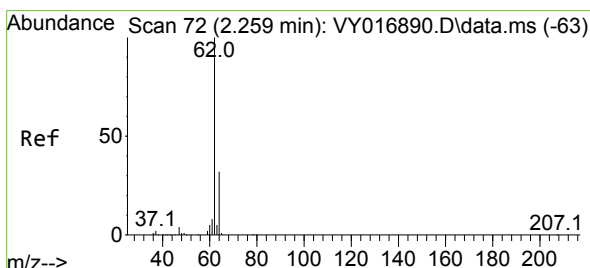
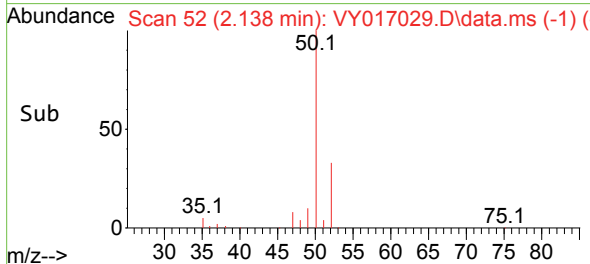
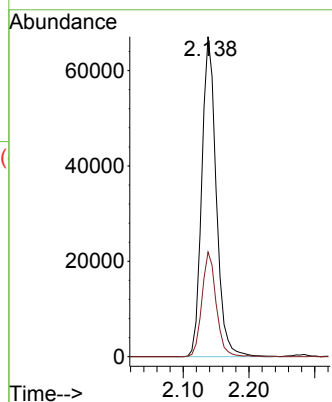
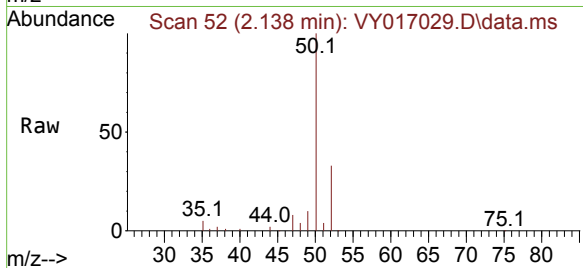
ClientSampleId :

Tgt Ion: 50 Resp: 102693

Ion Ratio Lower Upper

50 100

52 32.7 26.7 40.1



#4

Vinyl Chloride

Concen: 57.270 ug/l

RT: 2.278 min Scan# 75

Delta R.T. 0.019 min

Lab File: VY017029.D

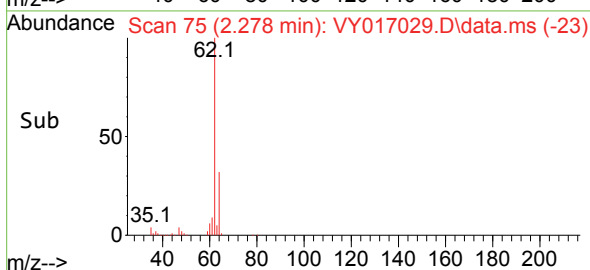
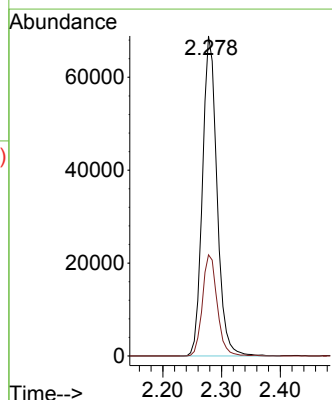
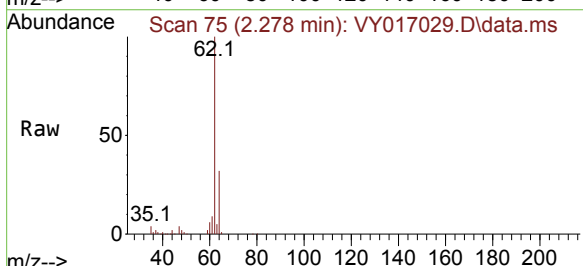
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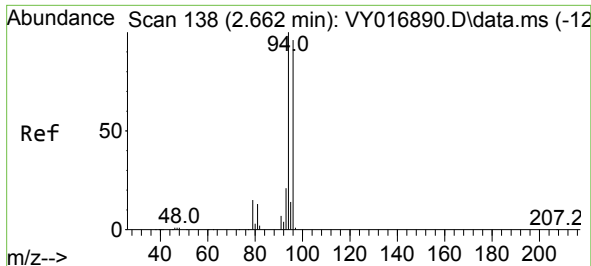
Tgt Ion: 62 Resp: 118607

Ion Ratio Lower Upper

62 100

64 31.6 25.7 38.5





#5

Bromomethane

Concen: 55.819 ug/l

RT: 2.686 min Scan# 14

Delta R.T. 0.024 min

Lab File: VY017029.D

Acq: 18 Jan 2024 10:08

Instrument :

MSVOA\_Y

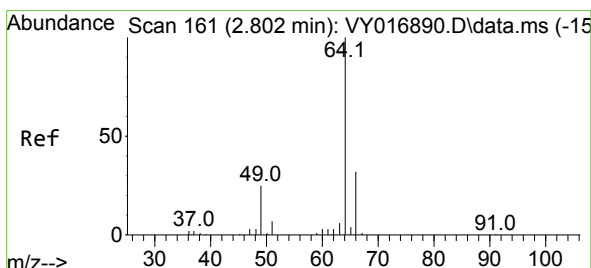
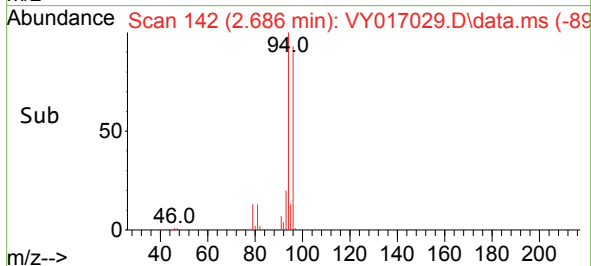
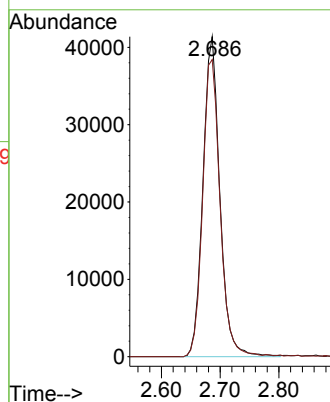
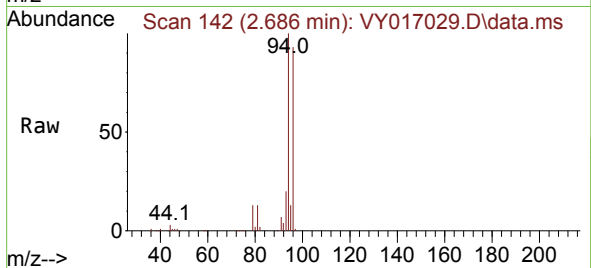
ClientSampleId :

Tgt Ion: 94 Resp: 82818

Ion Ratio Lower Upper

94 100

96 92.8 77.3 115.9



#6

Chloroethane

Concen: 54.489 ug/l

RT: 2.826 min Scan# 165

Delta R.T. 0.018 min

Lab File: VY017029.D

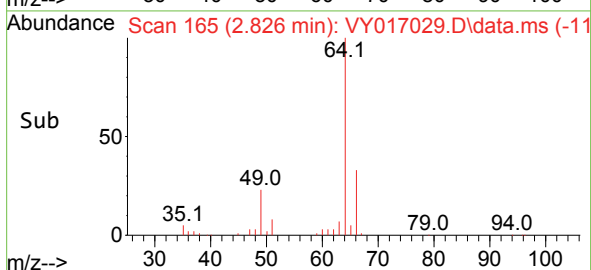
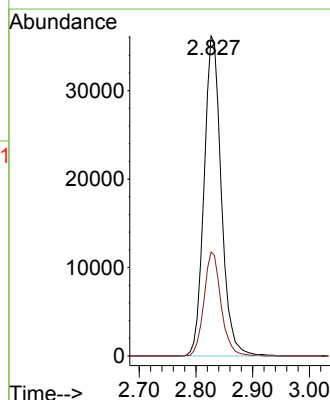
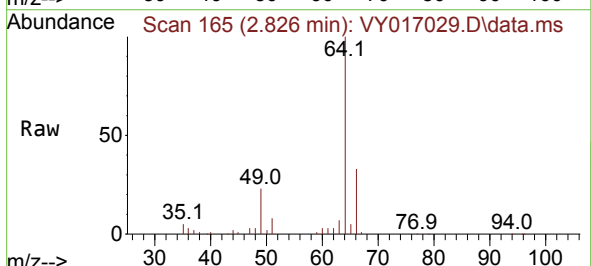
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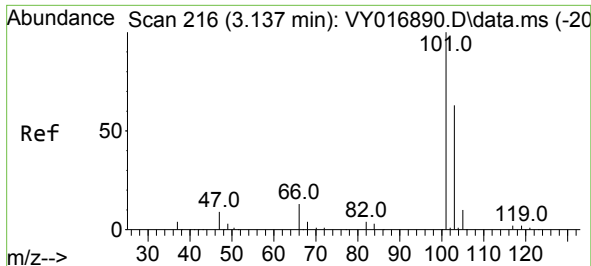
Tgt Ion: 64 Resp: 76336

Ion Ratio Lower Upper

64 100

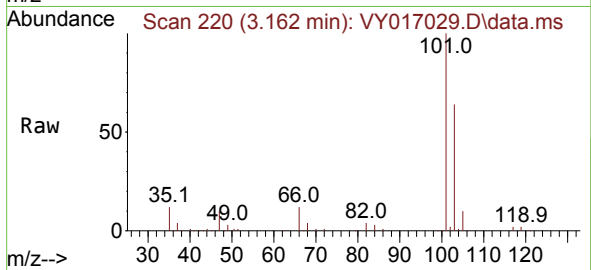
66 32.5 25.1 37.7



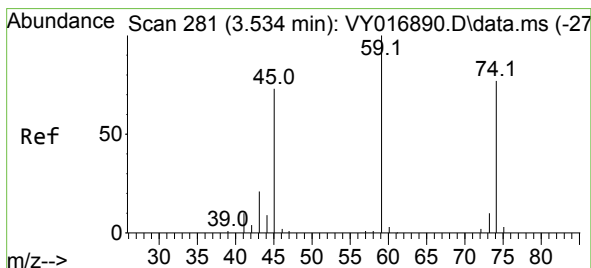
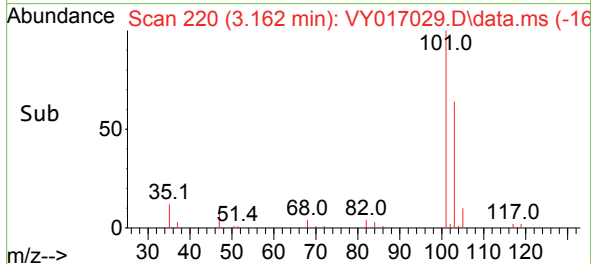
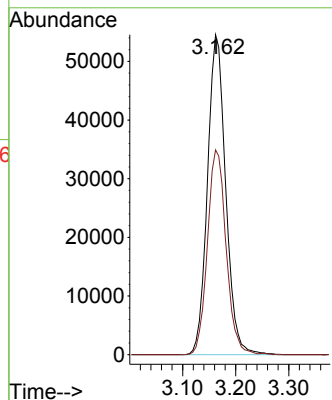


#7  
 Trichlorofluoromethane  
 Concen: 51.023 ug/l  
 RT: 3.162 min Scan# 216  
 Delta R.T. 0.025 min  
 Lab File: VY017029.D  
 Acq: 18 Jan 2024 10:08

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

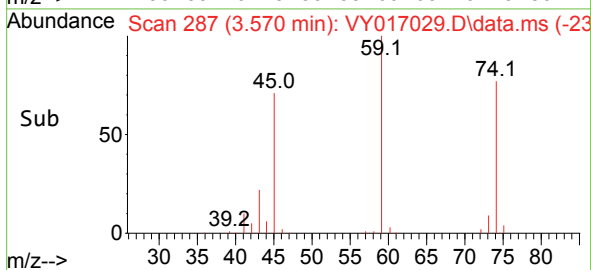
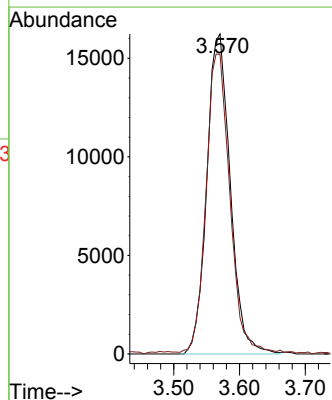
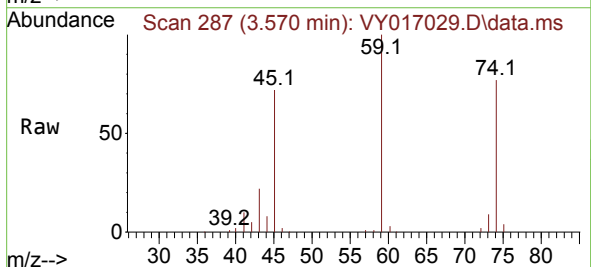


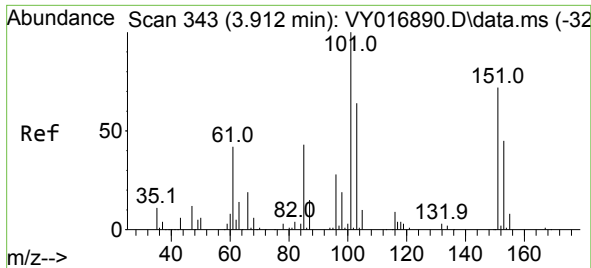
Tgt Ion:101 Resp: 130201  
 Ion Ratio Lower Upper  
 101 100  
 103 64.0 51.9 77.9



#8  
 Diethyl Ether  
 Concen: 49.443 ug/l  
 RT: 3.570 min Scan# 287  
 Delta R.T. 0.030 min  
 Lab File: VY017029.D  
 Acq: 18 Jan 2024 10:08

Tgt Ion: 74 Resp: 40321  
 Ion Ratio Lower Upper  
 74 100  
 45 96.1 47.9 143.7

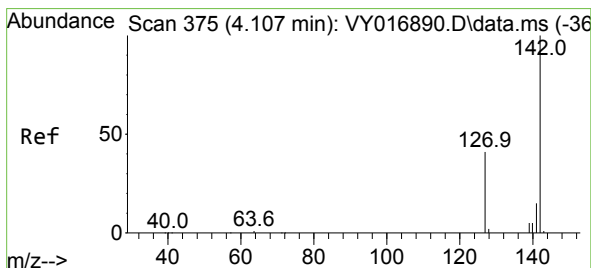
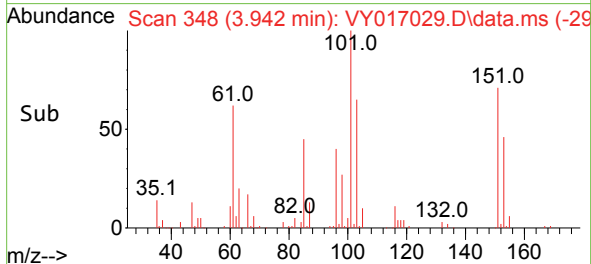
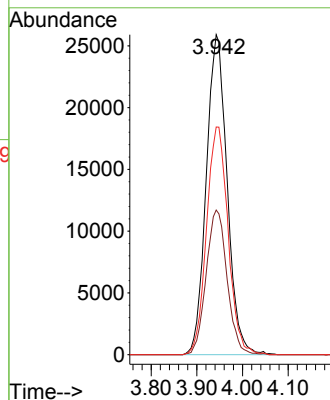
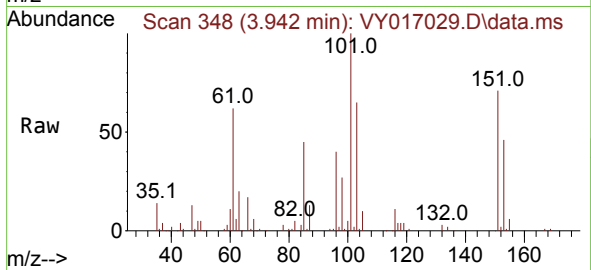




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 49.511 ug/l  
RT: 3.942 min Scan# 34  
Delta R.T. 0.031 min  
Lab File: VY017029.D  
Acq: 18 Jan 2024 10:08

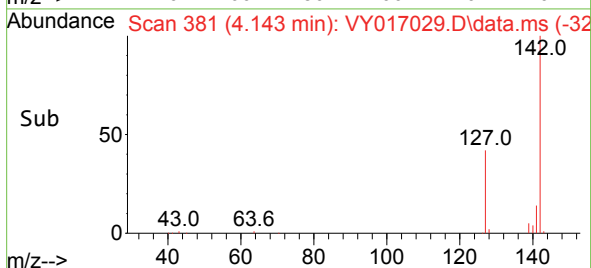
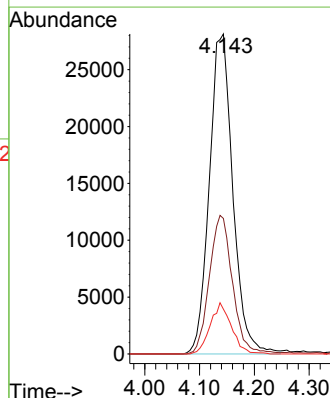
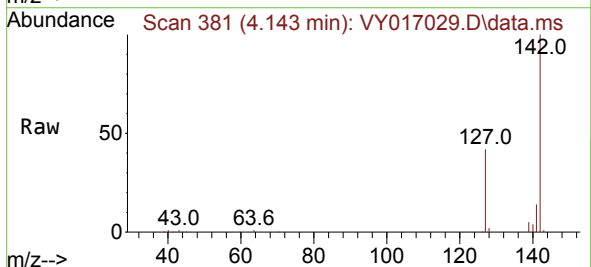
Instrument :  
MSVOA\_Y  
ClientSampleId :

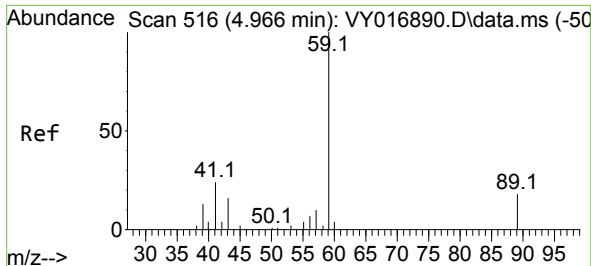
Tgt Ion:101 Resp: 82149  
Ion Ratio Lower Upper  
101 100  
85 45.5 35.8 53.6  
151 73.5 58.6 88.0



#10  
Methyl Iodide  
Concen: 59.385 ug/l  
RT: 4.143 min Scan# 381  
Delta R.T. 0.037 min  
Lab File: VY017029.D  
Acq: 18 Jan 2024 10:08

Tgt Ion:142 Resp: 83825  
Ion Ratio Lower Upper  
142 100  
127 42.6 35.1 52.7  
141 14.5 11.8 17.6





#11

Tert butyl alcohol

Concen: 189.980 ug/l

RT: 5.003 min Scan# 51

Delta R.T. 0.037 min

Lab File: VY017029.D

Acq: 18 Jan 2024 10:08

Instrument :

MSVOA\_Y

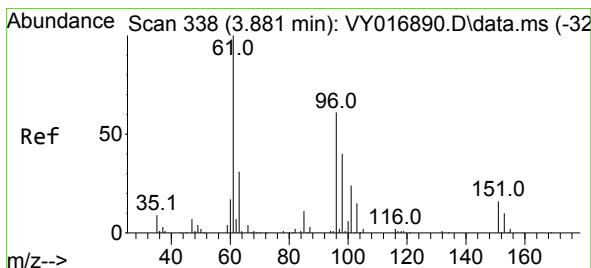
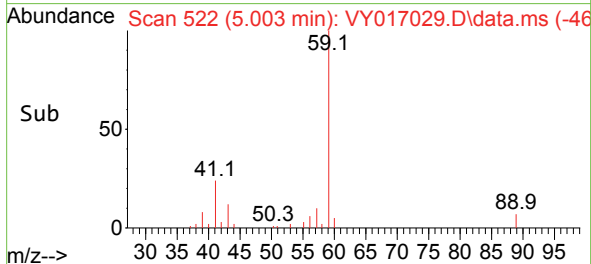
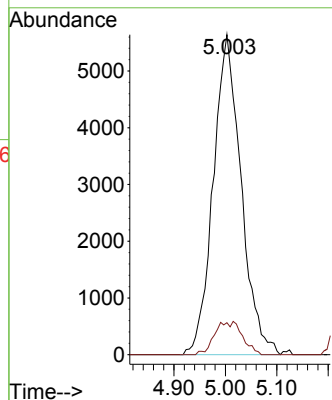
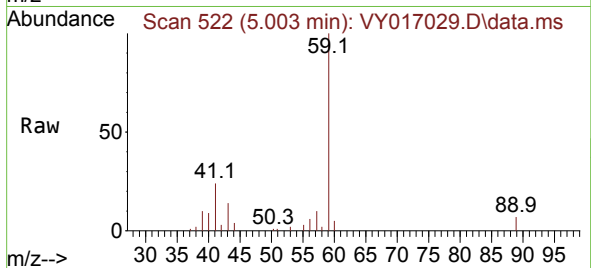
ClientSampleId :

Tgt Ion: 59 Resp: 21273

Ion Ratio Lower Upper

59 100

57 6.0 7.4 11.0#



#12

1,1-Dichloroethene

Concen: 54.089 ug/l

RT: 3.918 min Scan# 344

Delta R.T. 0.031 min

Lab File: VY017029.D

Acq: 18 Jan 2024 10:08

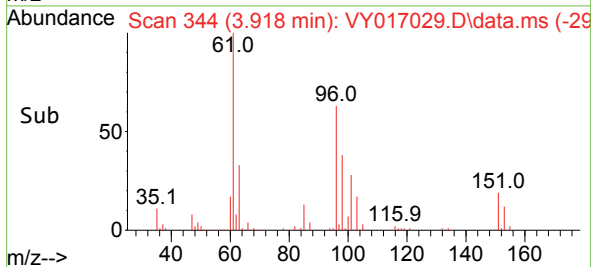
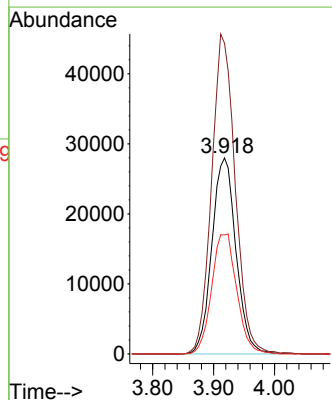
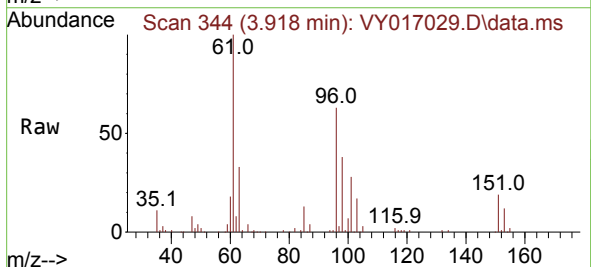
Tgt Ion: 96 Resp: 77001

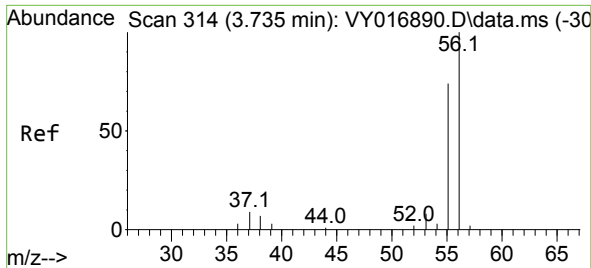
Ion Ratio Lower Upper

96 100

61 158.5 124.2 186.2

98 60.7 52.6 79.0





#13

Acrolein

Concen: 167.997 ug/l

RT: 3.771 min Scan# 314

Delta R.T. 0.030 min

Lab File: VY017029.D

Acq: 18 Jan 2024 10:08

Instrument :

MSVOA\_Y

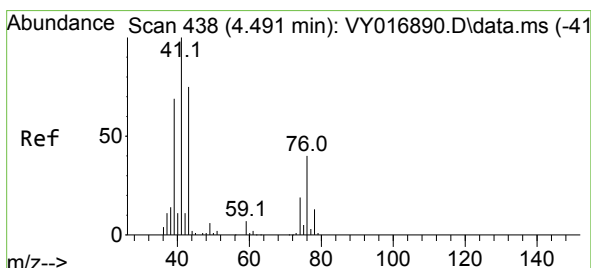
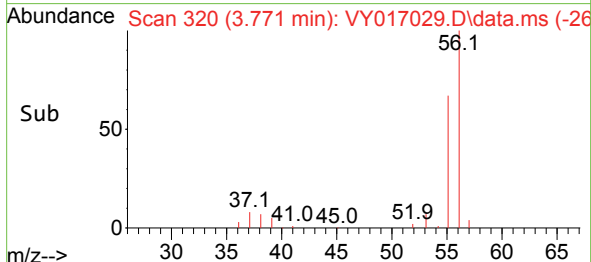
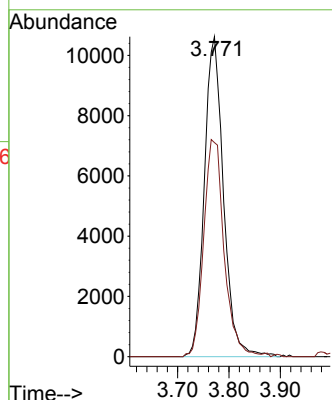
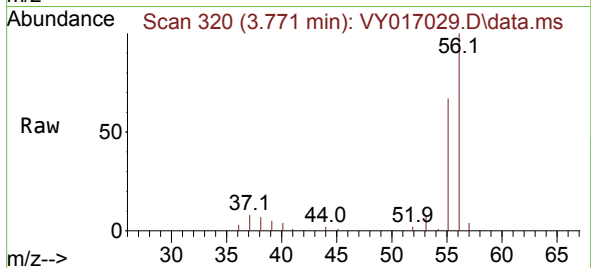
ClientSampleId :

Tgt Ion: 56 Resp: 27479

Ion Ratio Lower Upper

56 100

55 72.3 55.4 83.0



#14

Allyl chloride

Concen: 52.116 ug/l

RT: 4.527 min Scan# 444

Delta R.T. 0.030 min

Lab File: VY017029.D

Acq: 18 Jan 2024 10:08

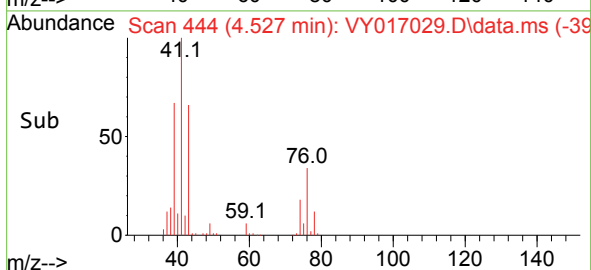
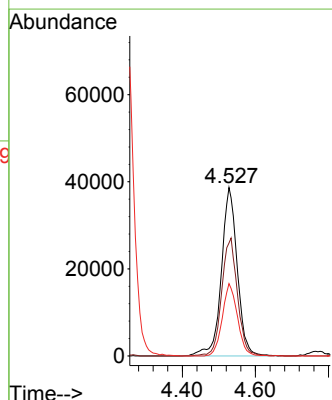
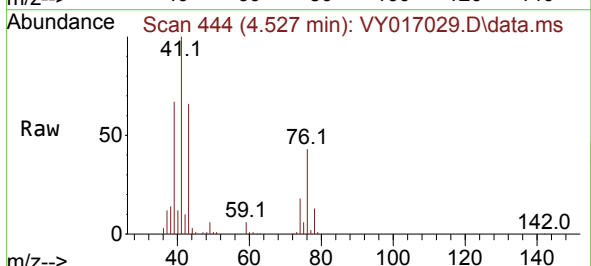
Tgt Ion: 41 Resp: 117289

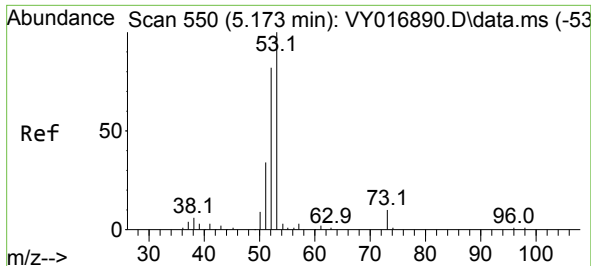
Ion Ratio Lower Upper

41 100

39 69.6 54.7 82.1

76 40.8 31.8 47.6





#15

Acrylonitrile

Concen: 220.803 ug/l

RT: 5.210 min Scan# 51

Delta R.T. 0.031 min

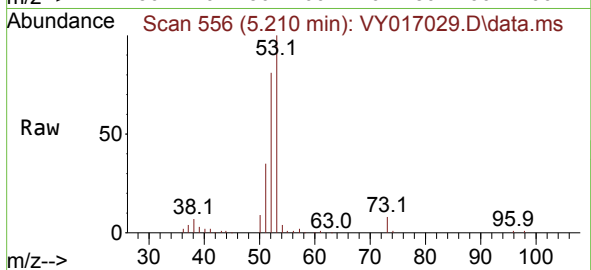
Lab File: VY017029.D

Acq: 18 Jan 2024 10:08

Instrument :

MSVOA\_Y

ClientSampleId :



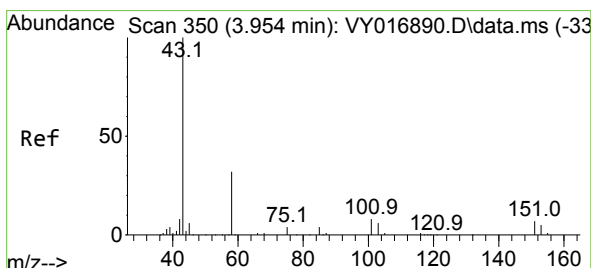
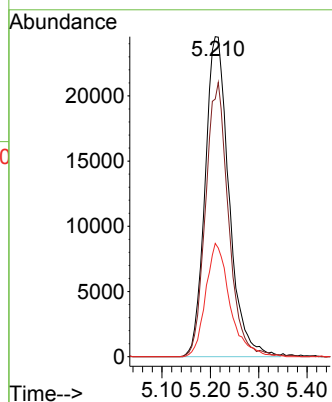
Tgt Ion: 53 Resp: 84225

Ion Ratio Lower Upper

53 100

52 82.3 65.1 97.7

51 36.1 29.0 43.4



#16

Acetone

Concen: 229.649 ug/l

RT: 3.985 min Scan# 355

Delta R.T. 0.025 min

Lab File: VY017029.D

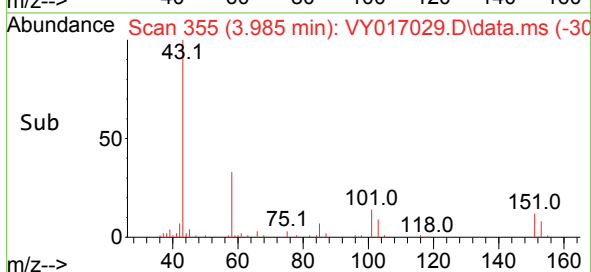
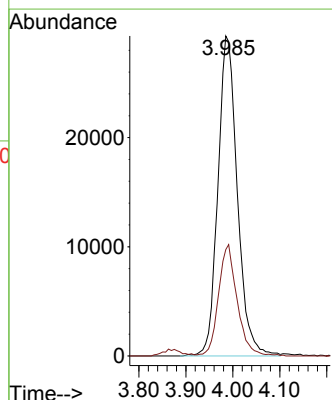
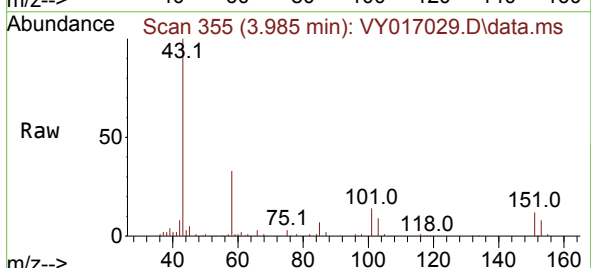
Acq: 18 Jan 2024 10:08

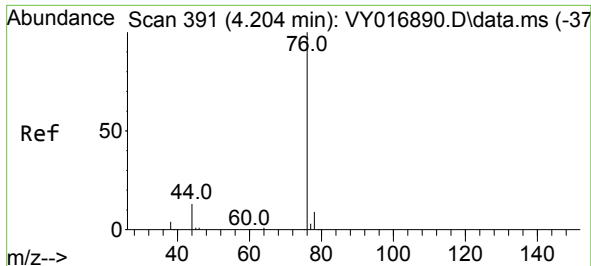
Tgt Ion: 43 Resp: 84327

Ion Ratio Lower Upper

43 100

58 33.1 26.6 39.8





#17

Carbon Disulfide

Concen: 71.042 ug/l

RT: 4.247 min Scan# 391

Delta R.T. 0.037 min

Lab File: VY017029.D

Acq: 18 Jan 2024 10:08

Instrument :

MSVOA\_Y

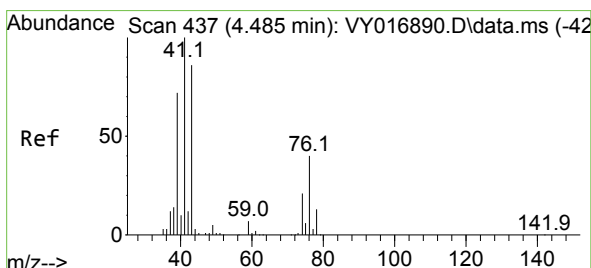
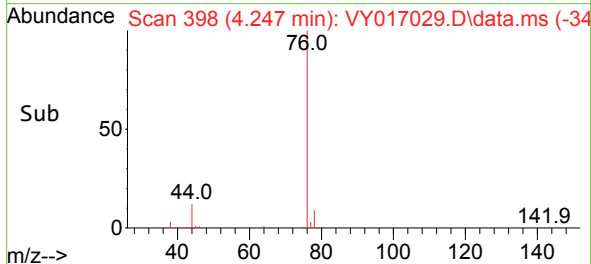
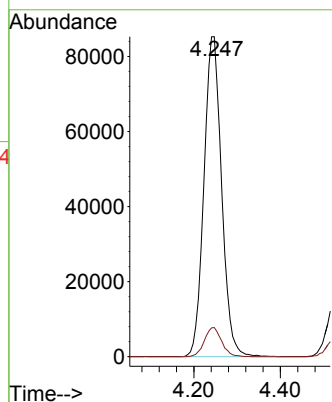
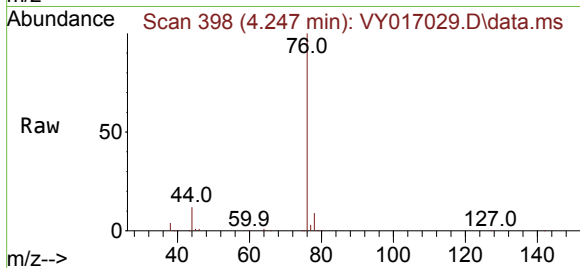
ClientSampleId :

Tgt Ion: 76 Resp: 241650

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0



#18

Methyl Acetate

Concen: 50.010 ug/l

RT: 4.521 min Scan# 443

Delta R.T. 0.024 min

Lab File: VY017029.D

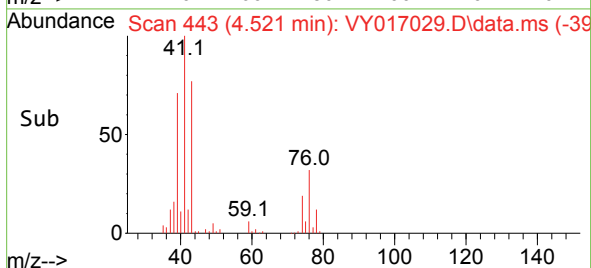
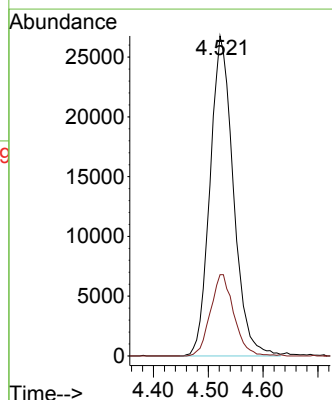
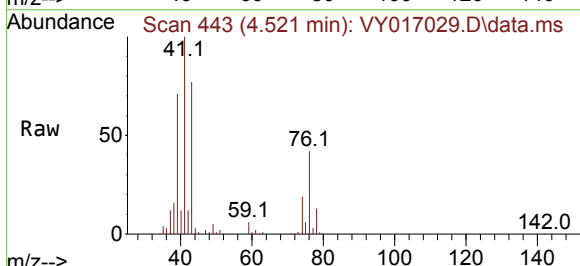
Acq: 18 Jan 2024 10:08

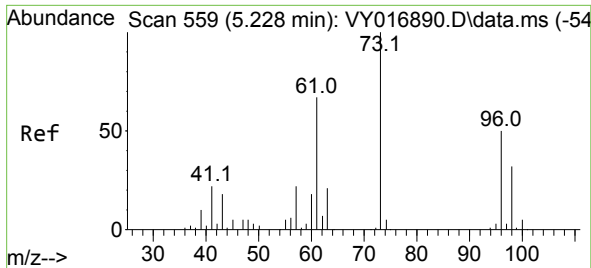
Tgt Ion: 43 Resp: 79149

Ion Ratio Lower Upper

43 100

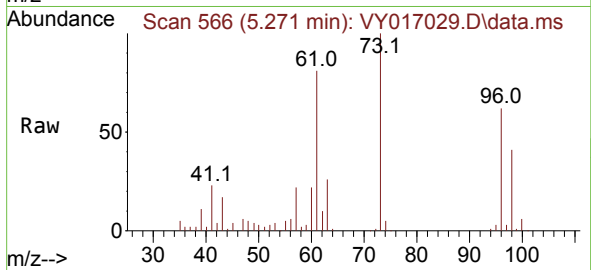
74 25.5 19.8 29.6



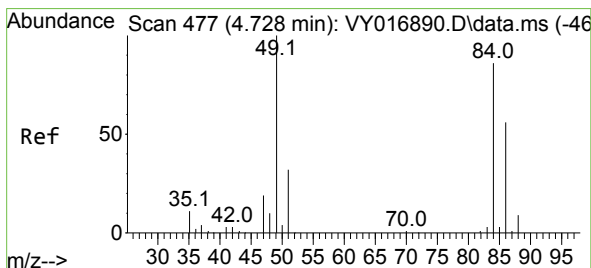
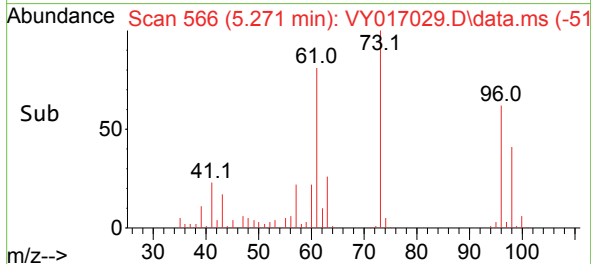
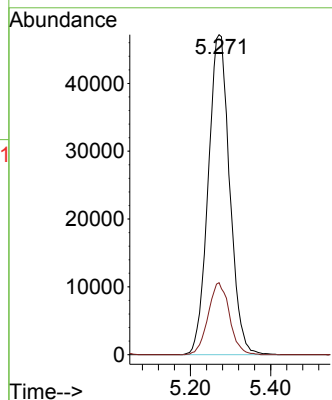


#19  
Methyl tert-butyl Ether  
Concen: 47.270 ug/l  
RT: 5.271 min Scan# 51  
Delta R.T. 0.037 min  
Lab File: VY017029.D  
Acq: 18 Jan 2024 10:08

Instrument :  
MSVOA\_Y  
ClientSampleId :

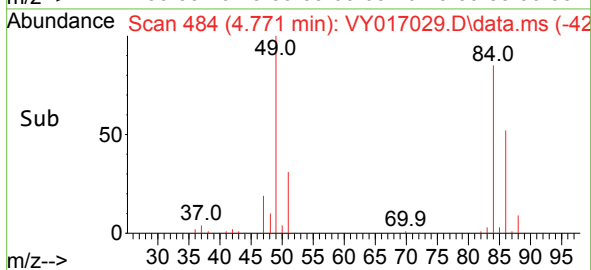
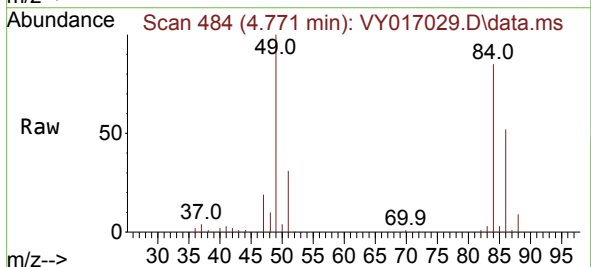
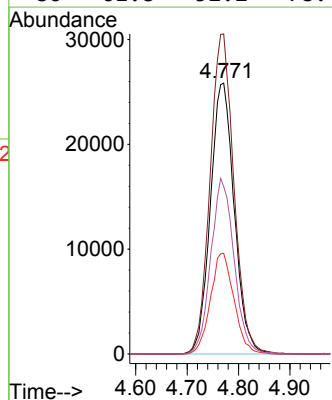


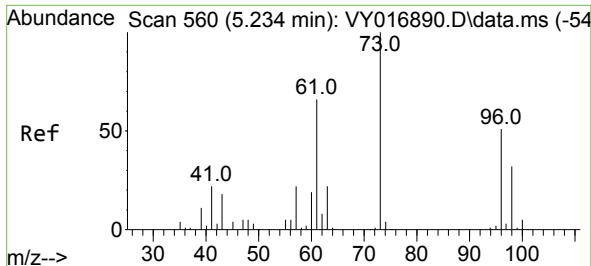
Tgt Ion: 73 Resp: 175071  
Ion Ratio Lower Upper  
73 100  
57 22.5 17.7 26.5



#20  
Methylene Chloride  
Concen: 42.257 ug/l  
RT: 4.771 min Scan# 484  
Delta R.T. 0.037 min  
Lab File: VY017029.D  
Acq: 18 Jan 2024 10:08

Tgt Ion: 84 Resp: 83264  
Ion Ratio Lower Upper  
84 100  
49 118.1 95.2 142.8  
51 37.1 29.9 44.9  
86 61.8 52.2 78.4





#21

trans-1,2-Dichloroethene

Concen: 55.460 ug/l

RT: 5.271 min Scan# 5

Delta R.T. 0.031 min

Lab File: VY017029.D

Acq: 18 Jan 2024 10:08

Instrument :

MSVOA\_Y

ClientSampleId :

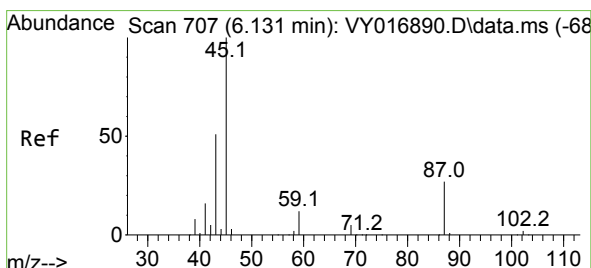
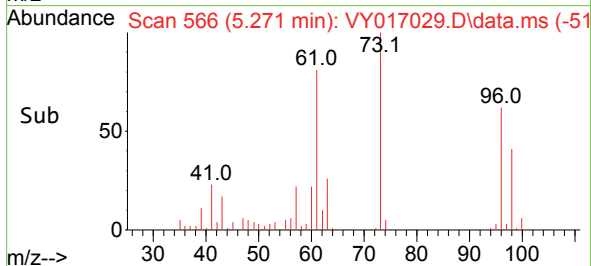
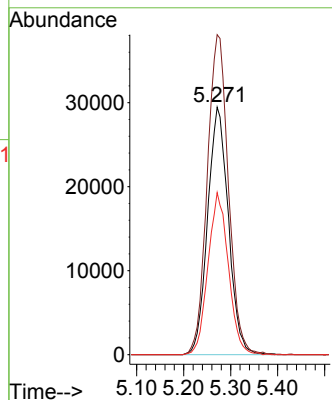
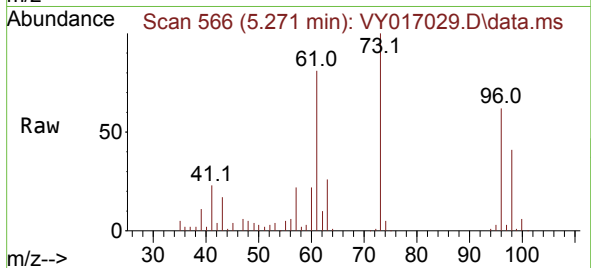
Tgt Ion: 96 Resp: 90424

Ion Ratio Lower Upper

96 100

61 129.3 104.6 156.8

98 65.5 50.9 76.3



#22

Diisopropyl ether

Concen: 49.119 ug/l

RT: 6.167 min Scan# 713

Delta R.T. 0.036 min

Lab File: VY017029.D

Acq: 18 Jan 2024 10:08

Tgt Ion: 45 Resp: 255567

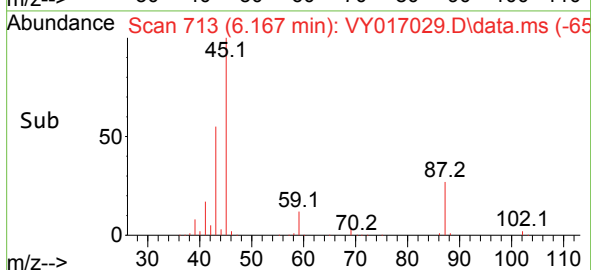
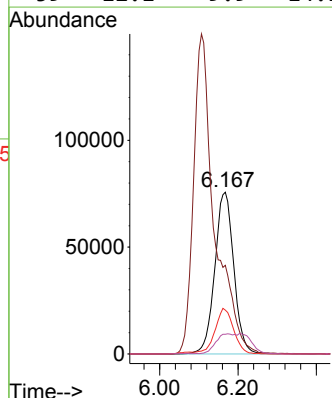
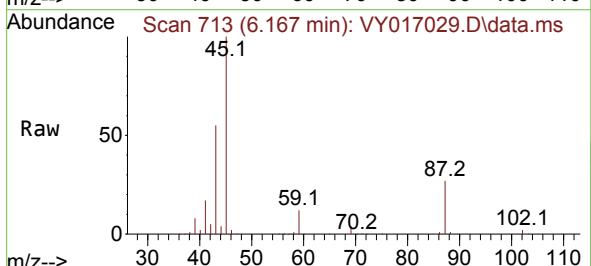
Ion Ratio Lower Upper

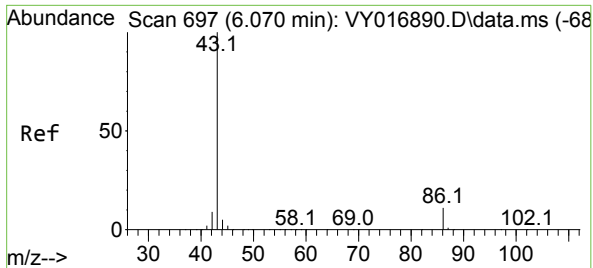
45 100

43 54.4 46.8 70.2

87 27.0 22.2 33.2

59 12.1 9.9 14.9

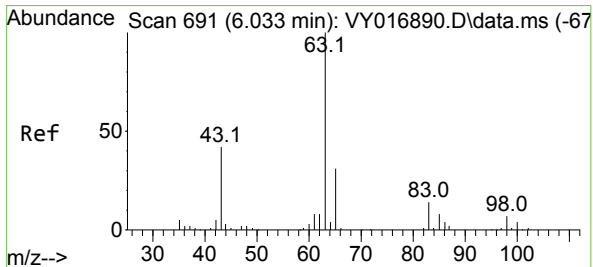
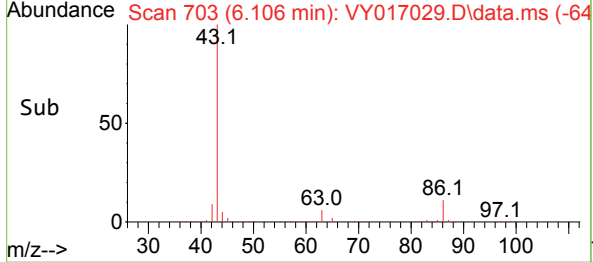
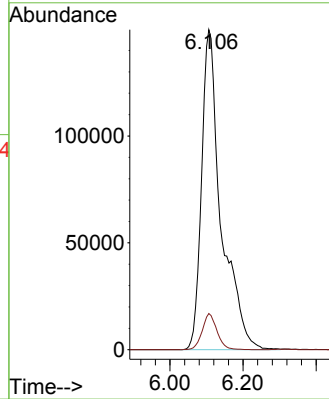
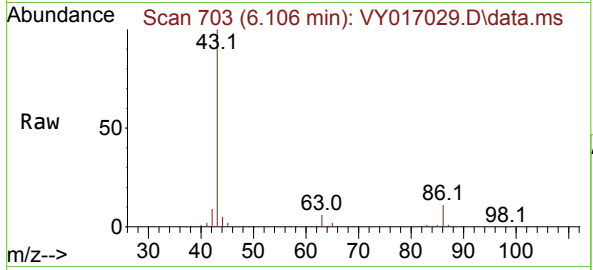




#23  
 Vinyl Acetate  
 Concen: 234.096 ug/l  
 RT: 6.106 min Scan# 703  
 Delta R.T. 0.030 min  
 Lab File: VY017029.D  
 Acq: 18 Jan 2024 10:08

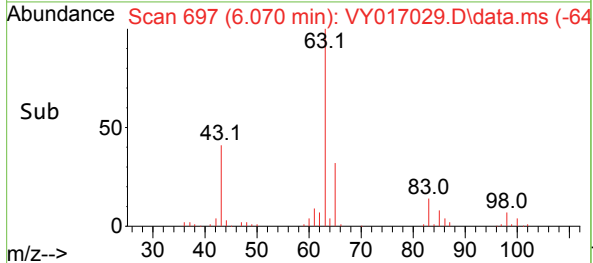
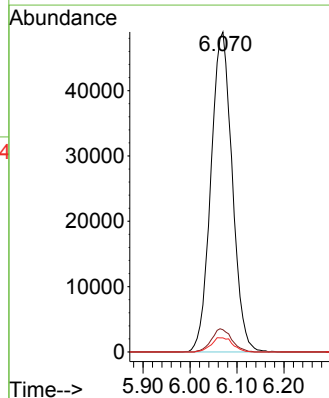
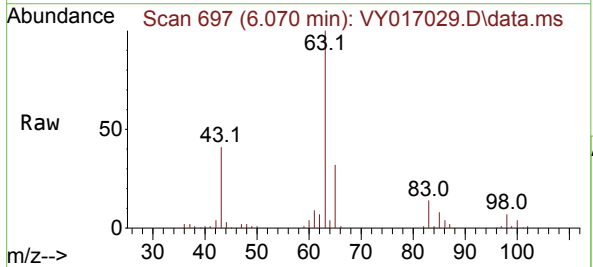
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

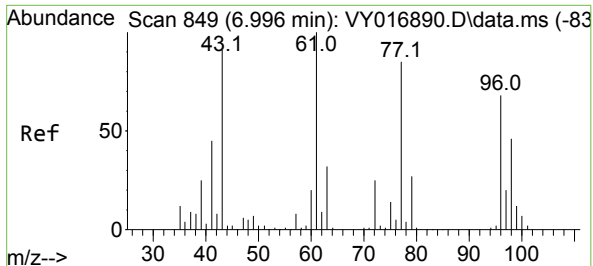
Tgt Ion: 43 Resp: 558482  
 Ion Ratio Lower Upper  
 43 100  
 86 11.3 8.6 13.0



#24  
 1,1-Dichloroethane  
 Concen: 49.232 ug/l  
 RT: 6.070 min Scan# 697  
 Delta R.T. 0.037 min  
 Lab File: VY017029.D  
 Acq: 18 Jan 2024 10:08

Tgt Ion: 63 Resp: 153931  
 Ion Ratio Lower Upper  
 63 100  
 98 7.0 3.8 11.4  
 100 4.4 2.1 6.2





#25

2-Butanone

Concen: 223.880 ug/l

RT: 7.027 min Scan# 854

Delta R.T. 0.031 min

Lab File: VY017029.D

Acq: 18 Jan 2024 10:08

Instrument :

MSVOA\_Y

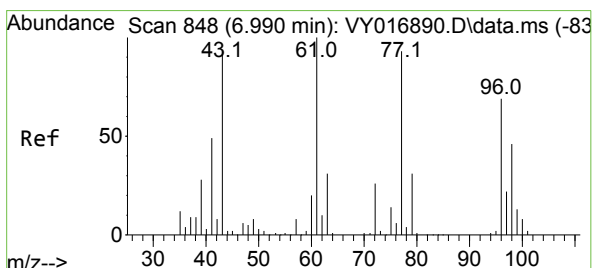
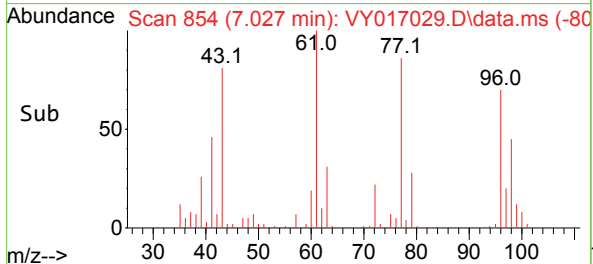
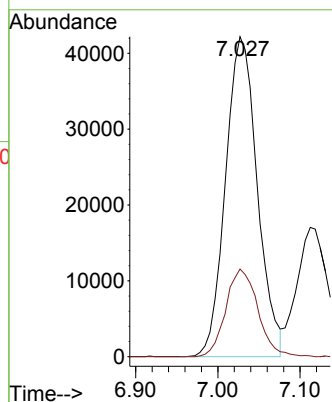
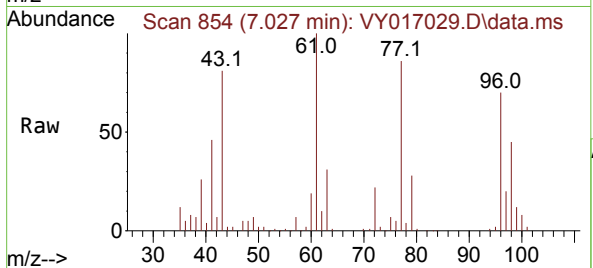
ClientSampleId :

Tgt Ion: 43 Resp: 113373

Ion Ratio Lower Upper

43 100

72 27.4 21.4 32.2



#26

2,2-Dichloropropane

Concen: 49.052 ug/l

RT: 7.027 min Scan# 854

Delta R.T. 0.031 min

Lab File: VY017029.D

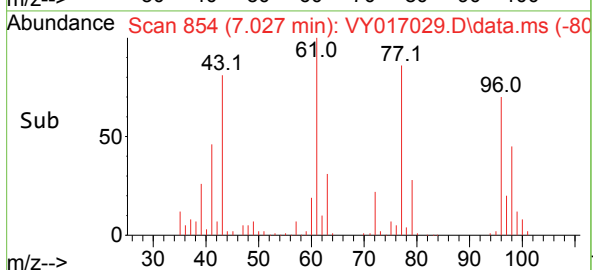
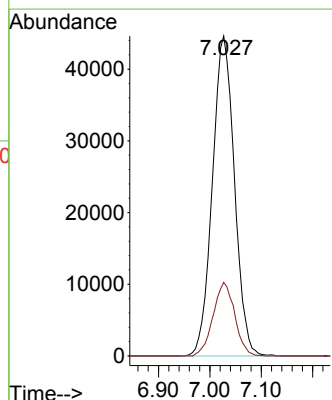
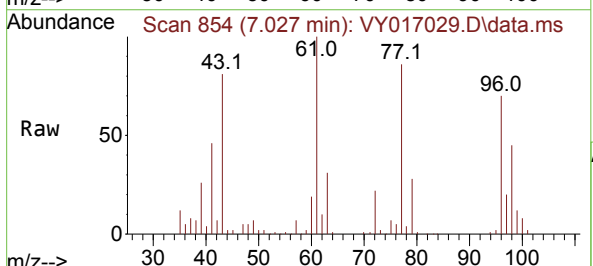
Acq: 18 Jan 2024 10:08

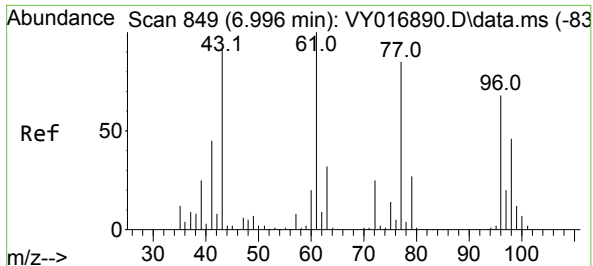
Tgt Ion: 77 Resp: 132978

Ion Ratio Lower Upper

77 100

97 22.6 11.7 35.0

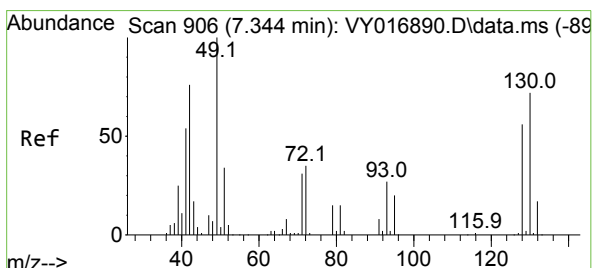
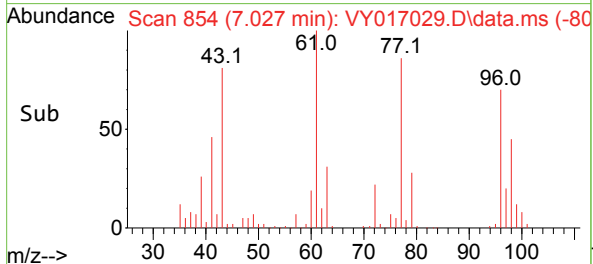
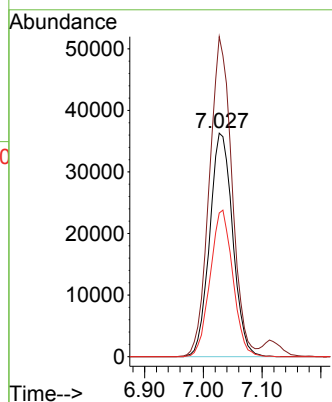
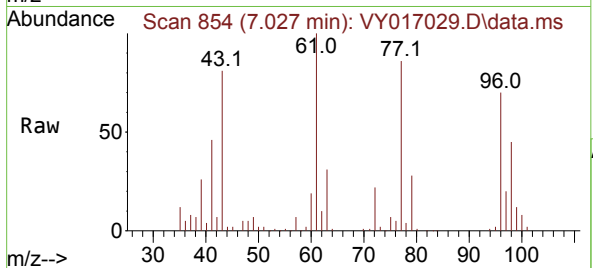




#27  
cis-1,2-Dichloroethene  
Concen: 51.814 ug/l  
RT: 7.027 min Scan# 81  
Delta R.T. 0.025 min  
Lab File: VY017029.D  
Acq: 18 Jan 2024 10:08

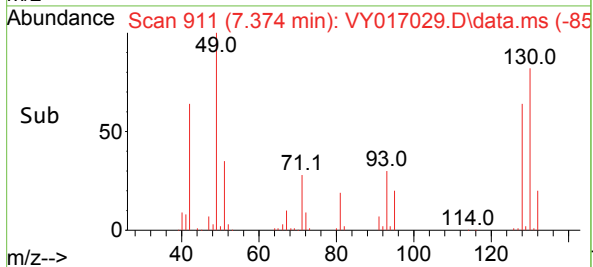
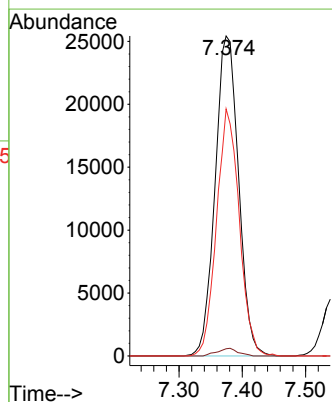
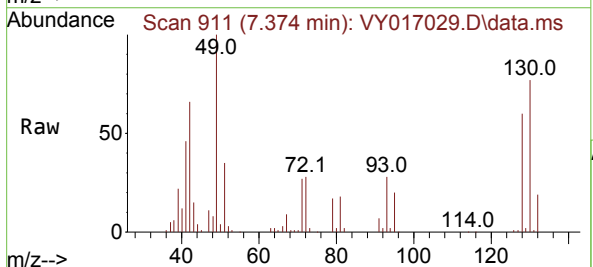
Instrument :  
MSVOA\_Y  
ClientSampleId :

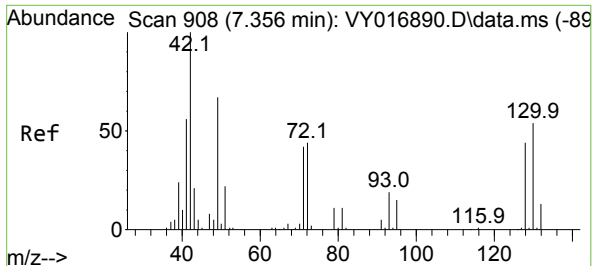
Tgt Ion: 96 Resp: 99030  
Ion Ratio Lower Upper  
96 100  
61 140.3 0.0 278.8  
98 64.5 0.0 127.0



#28  
Bromochloromethane  
Concen: 55.750 ug/l  
RT: 7.374 min Scan# 911  
Delta R.T. 0.024 min  
Lab File: VY017029.D  
Acq: 18 Jan 2024 10:08

Tgt Ion: 49 Resp: 65440  
Ion Ratio Lower Upper  
49 100  
129 2.1 0.0 3.8  
130 74.7 59.8 89.8

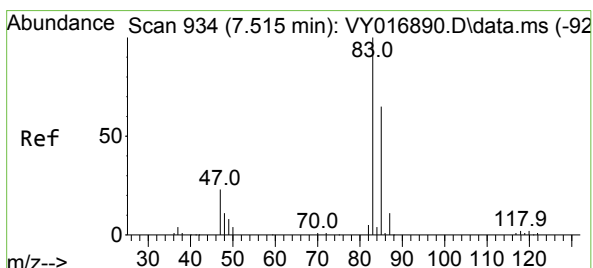
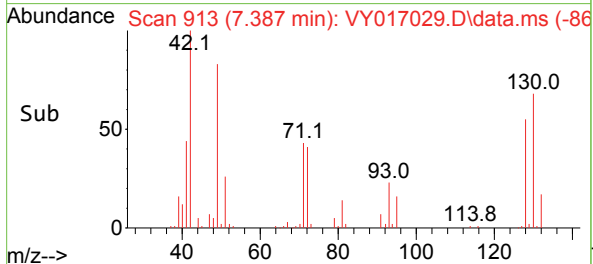
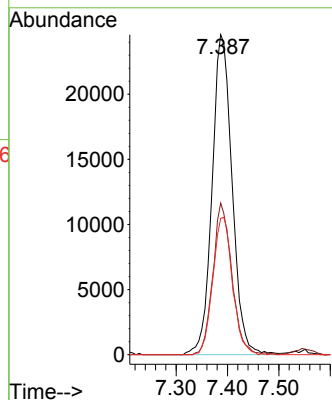
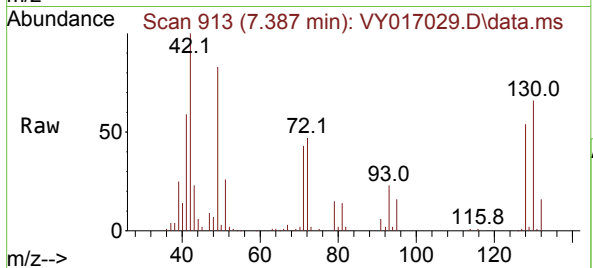




#29  
Tetrahydrofuran  
Concen: 222.848 ug/l  
RT: 7.387 min Scan# 913  
Delta R.T. 0.025 min  
Lab File: VY017029.D  
Acq: 18 Jan 2024 10:08

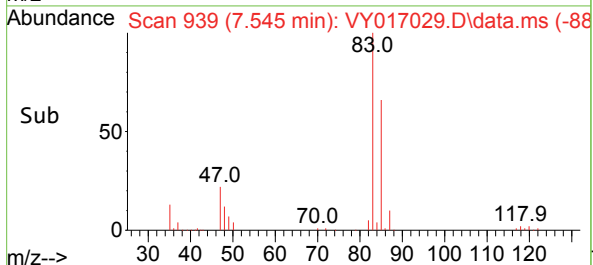
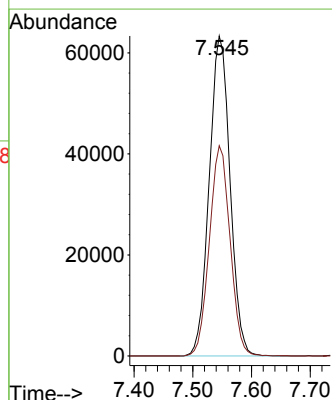
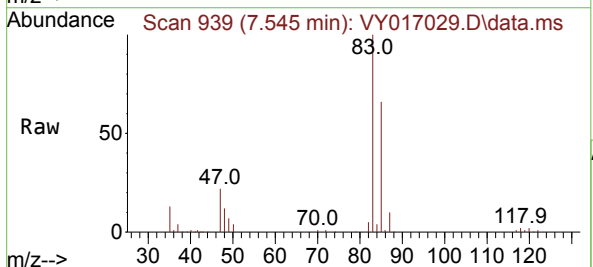
Instrument :  
MSVOA\_Y  
ClientSampleId :

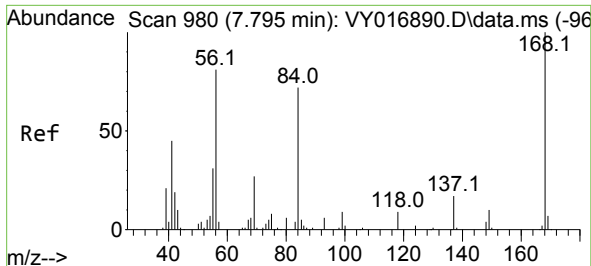
Tgt Ion: 42 Resp: 66629  
Ion Ratio Lower Upper  
42 100  
72 44.8 36.6 54.8  
71 42.1 33.8 50.6



#30  
Chloroform  
Concen: 48.348 ug/l  
RT: 7.545 min Scan# 939  
Delta R.T. 0.024 min  
Lab File: VY017029.D  
Acq: 18 Jan 2024 10:08

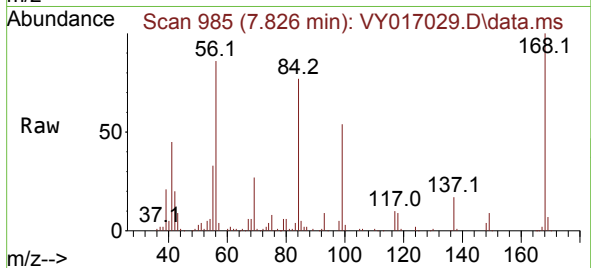
Tgt Ion: 83 Resp: 155781  
Ion Ratio Lower Upper  
83 100  
85 65.7 51.2 76.8



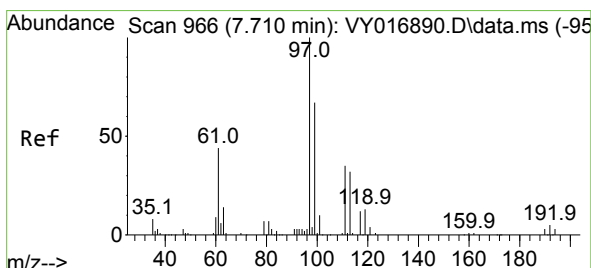
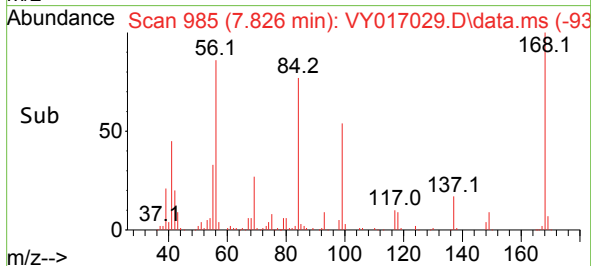
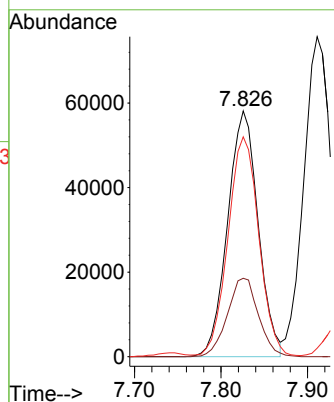


#31  
Cyclohexane  
Concen: 56.133 ug/l  
RT: 7.826 min Scan# 911  
Delta R.T. 0.025 min  
Lab File: VY017029.D  
Acq: 18 Jan 2024 10:08

Instrument :  
MSVOA\_Y  
ClientSampleId :

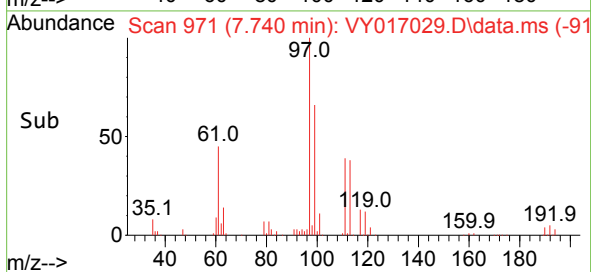
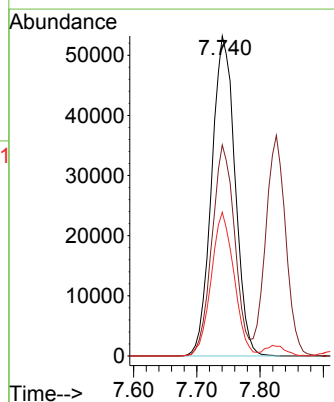
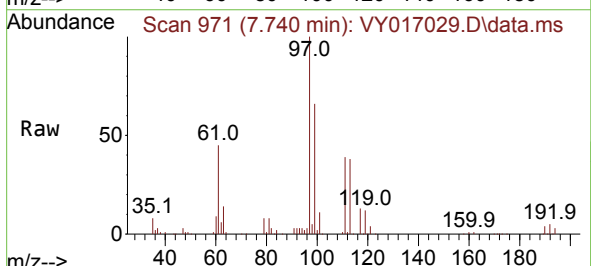


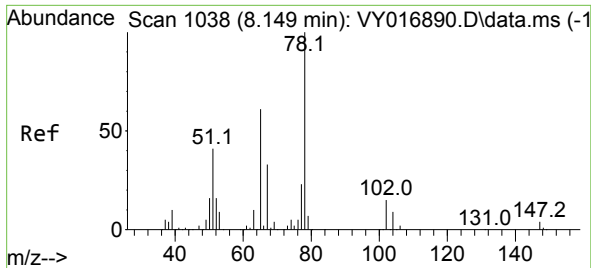
Tgt Ion: 56 Resp: 142321  
Ion Ratio Lower Upper  
56 100  
69 31.9 27.0 40.6  
84 88.3 71.8 107.6



#32  
1,1,1-Trichloroethane  
Concen: 50.066 ug/l  
RT: 7.740 min Scan# 971  
Delta R.T. 0.024 min  
Lab File: VY017029.D  
Acq: 18 Jan 2024 10:08

Tgt Ion: 97 Resp: 136781  
Ion Ratio Lower Upper  
97 100  
99 64.0 51.2 76.8  
61 43.9 35.0 52.6

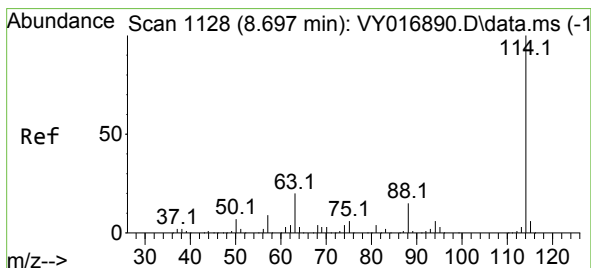
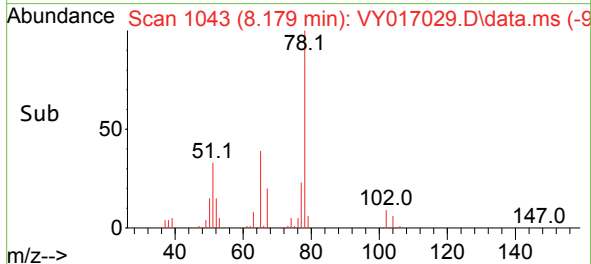
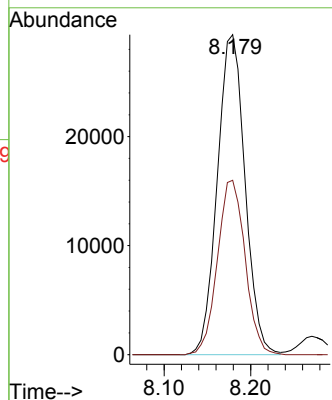
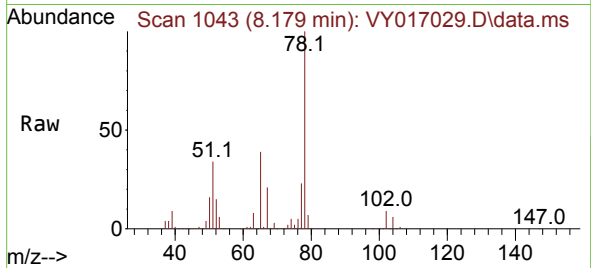




#33  
1,2-Dichloroethane-d4  
Concen: 44.129 ug/l  
RT: 8.179 min Scan# 110  
Delta R.T. 0.024 min  
Lab File: VY017029.D  
Acq: 18 Jan 2024 10:08

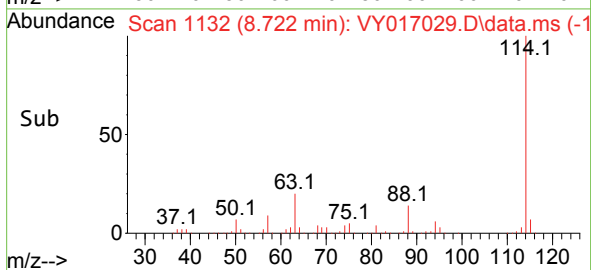
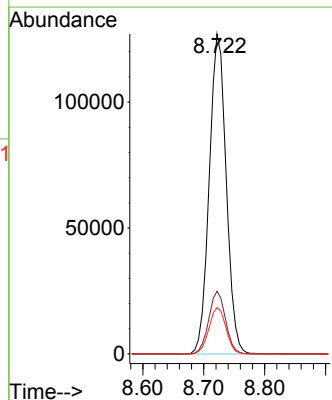
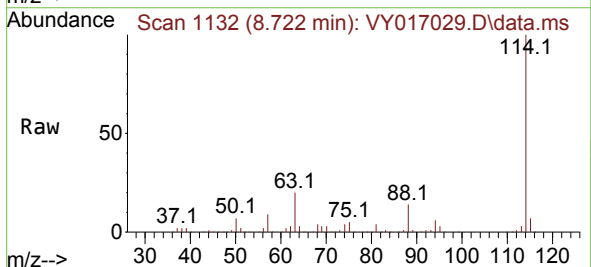
Instrument :  
MSVOA\_Y  
ClientSampleId :

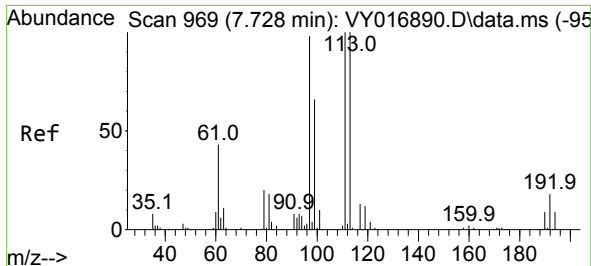
Tgt Ion: 65 Resp: 65190  
Ion Ratio Lower Upper  
65 100  
67 54.4 0.0 109.0



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.722 min Scan# 1132  
Delta R.T. 0.019 min  
Lab File: VY017029.D  
Acq: 18 Jan 2024 10:08

Tgt Ion:114 Resp: 245659  
Ion Ratio Lower Upper  
114 100  
63 19.6 0.0 37.4  
88 14.5 0.0 29.0

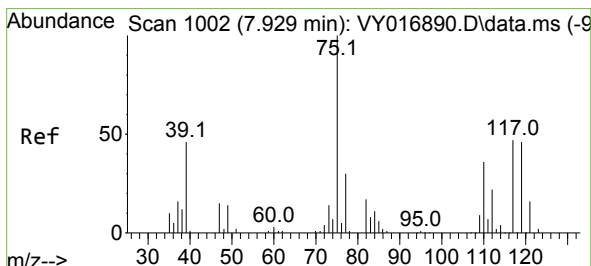
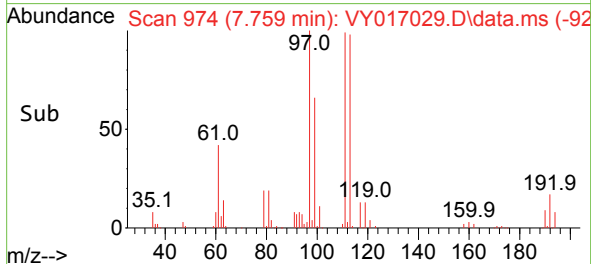
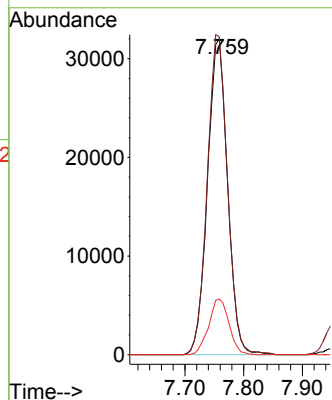
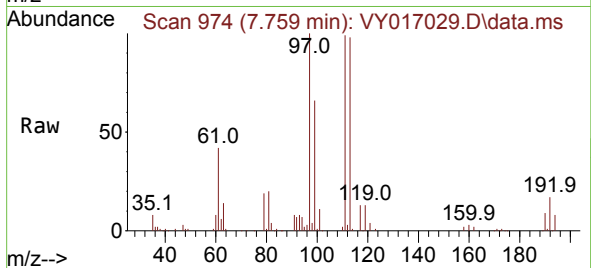




#35  
Dibromofluoromethane  
Concen: 48.386 ug/l  
RT: 7.759 min Scan# 91  
Delta R.T. 0.031 min  
Lab File: VY017029.D  
Acq: 18 Jan 2024 10:08

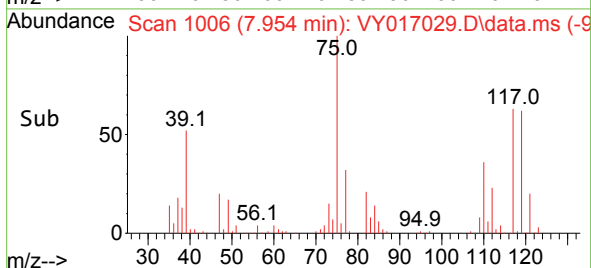
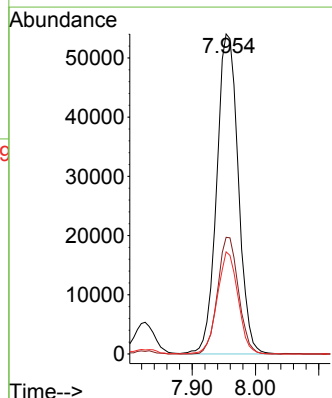
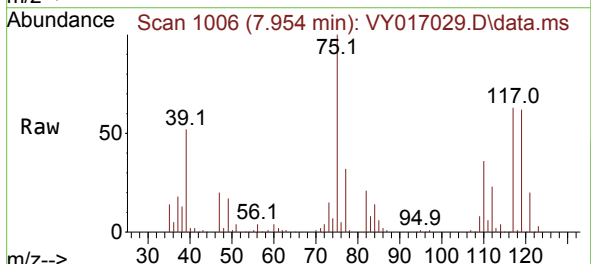
Instrument :  
MSVOA\_Y  
ClientSampleId :

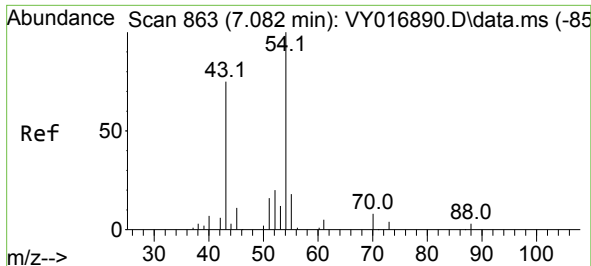
Tgt Ion:113 Resp: 75745  
Ion Ratio Lower Upper  
113 100  
111 102.5 83.8 125.6  
192 17.8 14.5 21.7



#36  
1,1-Dichloropropene  
Concen: 55.967 ug/l  
RT: 7.954 min Scan# 1006  
Delta R.T. 0.025 min  
Lab File: VY017029.D  
Acq: 18 Jan 2024 10:08

Tgt Ion: 75 Resp: 127684  
Ion Ratio Lower Upper  
75 100  
110 35.3 17.4 52.3  
77 30.8 24.7 37.1





#37

Ethyl Acetate

Concen: 45.192 ug/l

RT: 7.112 min Scan# 8

Delta R.T. 0.024 min

Lab File: VY017029.D

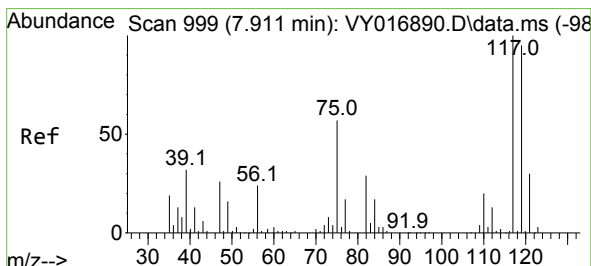
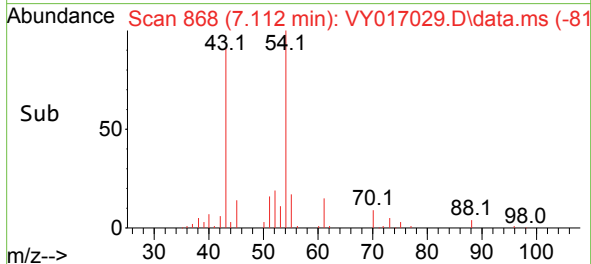
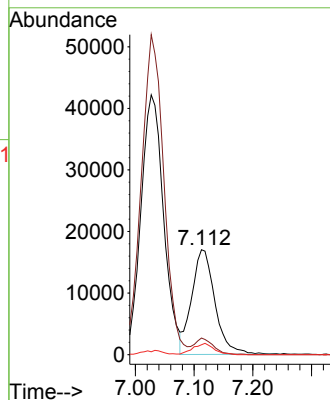
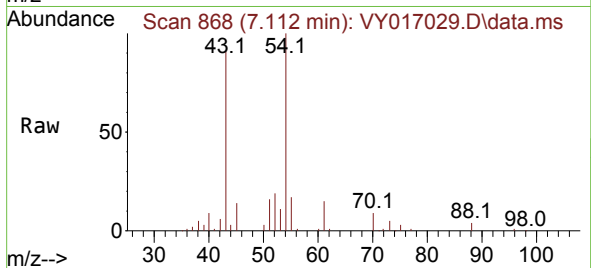
Acq: 18 Jan 2024 10:08

Instrument :

MSVOA\_Y

ClientSampleId :

|             |                |
|-------------|----------------|
| Tgt Ion: 43 | Resp: 46853    |
| Ion Ratio   | Lower Upper    |
| 43          | 100            |
| 61          | 12.4 11.0 16.6 |
| 70          | 9.7 8.1 12.1   |



#38

Carbon Tetrachloride

Concen: 52.414 ug/l

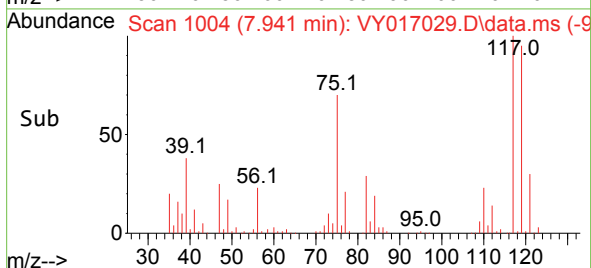
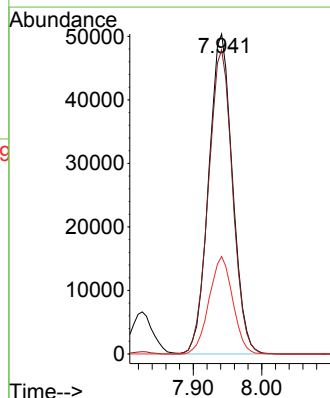
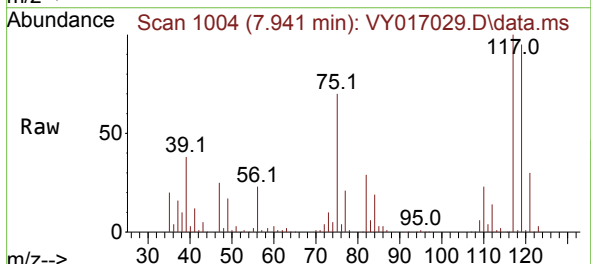
RT: 7.941 min Scan# 1004

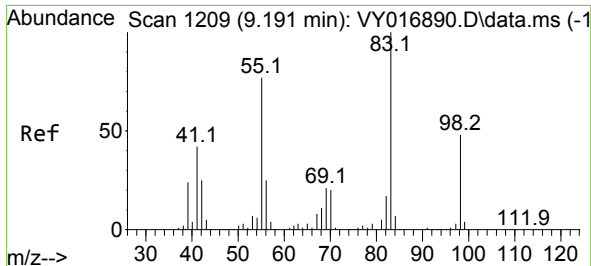
Delta R.T. 0.024 min

Lab File: VY017029.D

Acq: 18 Jan 2024 10:08

|              |                 |
|--------------|-----------------|
| Tgt Ion: 117 | Resp: 121489    |
| Ion Ratio    | Lower Upper     |
| 117          | 100             |
| 119          | 95.0 76.0 114.0 |
| 121          | 30.4 24.2 36.2  |





#39

Methylcyclohexane

Concen: 62.202 ug/l

RT: 9.216 min Scan# 11

Delta R.T. 0.025 min

Lab File: VY017029.D

Acq: 18 Jan 2024 10:08

Instrument :

MSVOA\_Y

ClientSampleId :

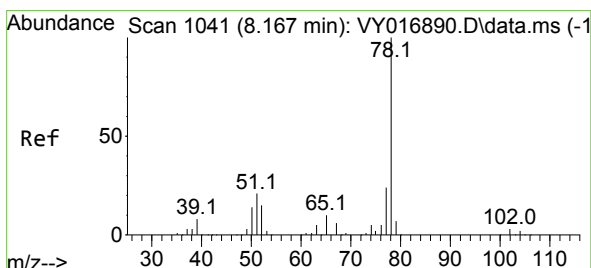
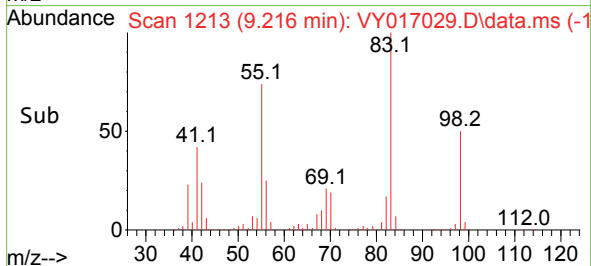
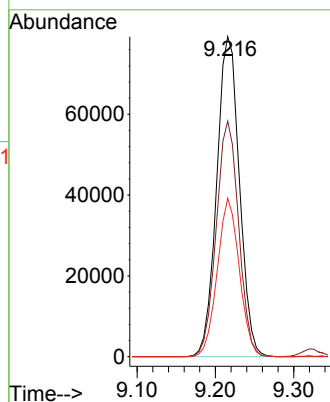
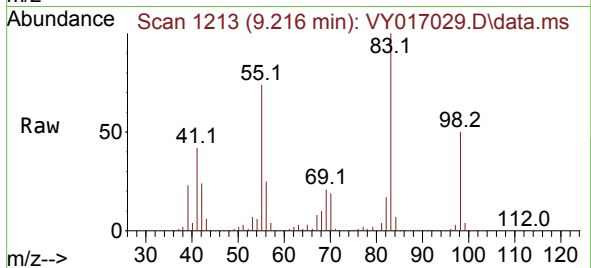
Tgt Ion: 83 Resp: 159531

Ion Ratio Lower Upper

83 100

55 73.6 59.7 89.5

98 49.5 38.0 57.0



#40

Benzene

Concen: 53.282 ug/l

RT: 8.197 min Scan# 1046

Delta R.T. 0.024 min

Lab File: VY017029.D

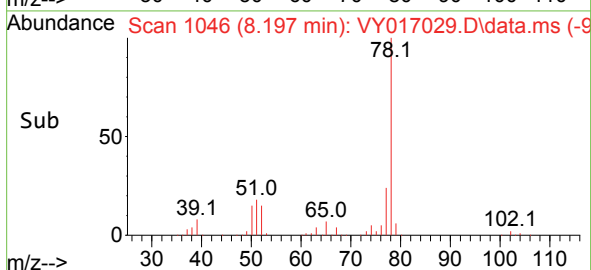
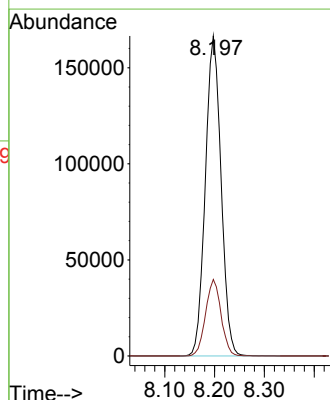
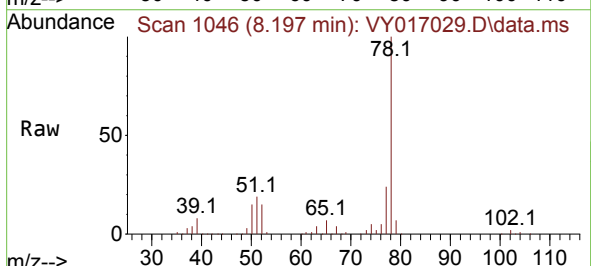
Acq: 18 Jan 2024 10:08

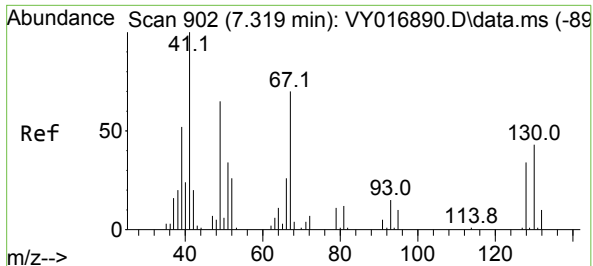
Tgt Ion: 78 Resp: 364648

Ion Ratio Lower Upper

78 100

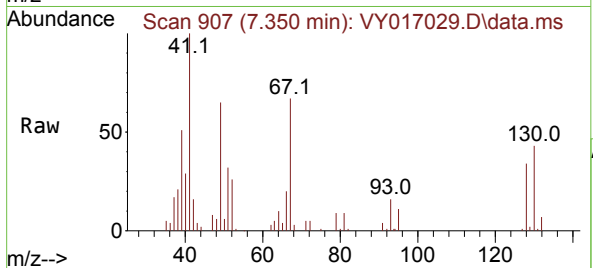
77 23.9 18.8 28.2



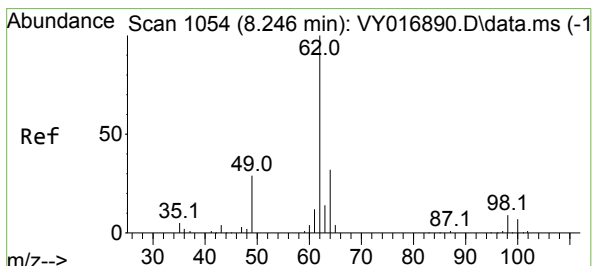
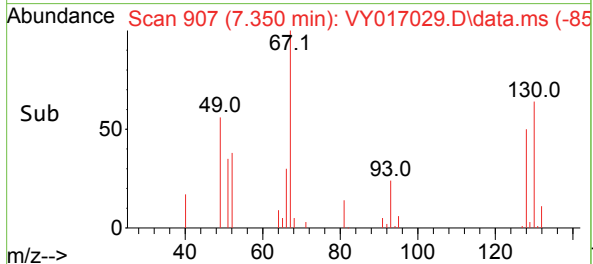
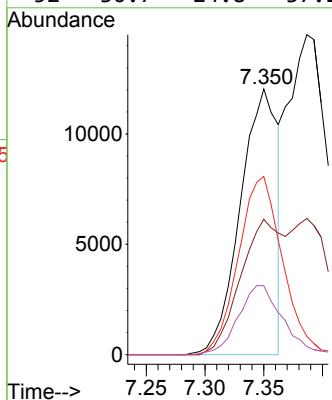


#41  
Methacrylonitrile  
Concen: 48.872 ug/l  
RT: 7.350 min Scan# 907  
Delta R.T. 0.031 min  
Lab File: VY017029.D  
Acq: 18 Jan 2024 10:08

Instrument :  
MSVOA\_Y  
ClientSampleId :

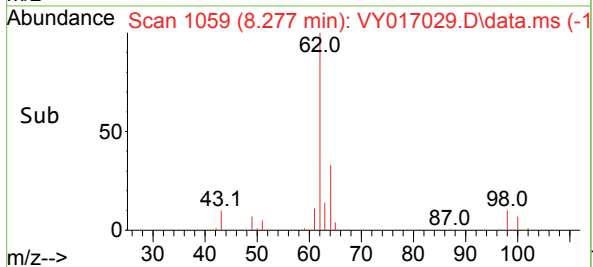
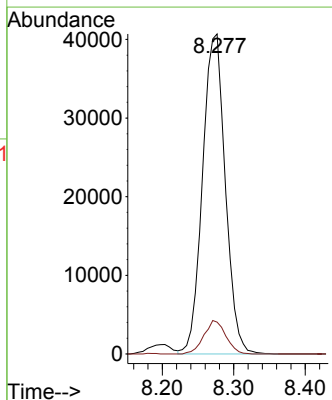
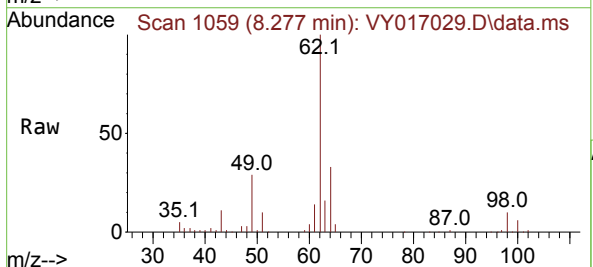


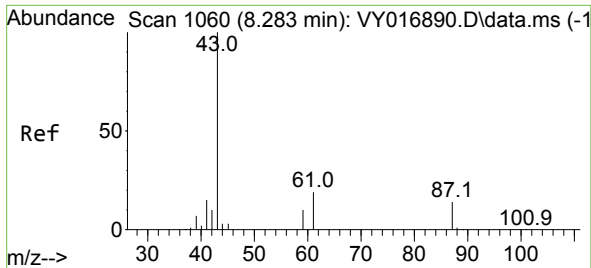
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 26685 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 58.7  | 41.9  | 62.9  |
| 67       | 79.3  | 59.8  | 89.6  |
| 52       | 30.7  | 24.8  | 37.2  |



#42  
1,2-Dichloroethane  
Concen: 49.566 ug/l  
RT: 8.277 min Scan# 1059  
Delta R.T. 0.025 min  
Lab File: VY017029.D  
Acq: 18 Jan 2024 10:08

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 90053 |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 10.0  | 0.0   | 20.2  |

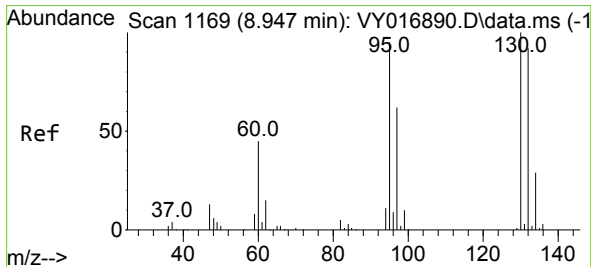
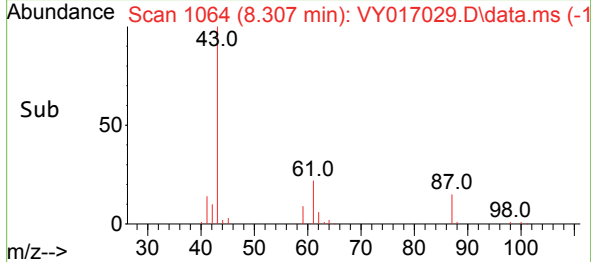
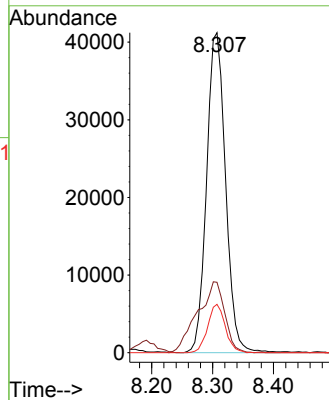
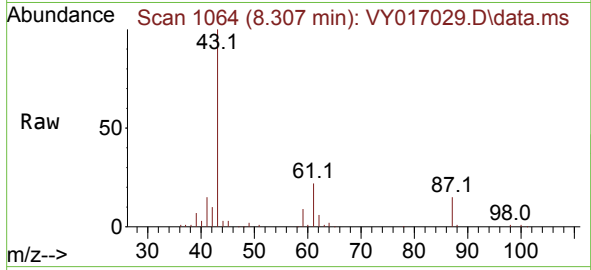




#43  
Isopropyl Acetate  
Concen: 44.920 ug/l  
RT: 8.307 min Scan# 1173  
Delta R.T. 0.024 min  
Lab File: VY017029.D  
Acq: 18 Jan 2024 10:08

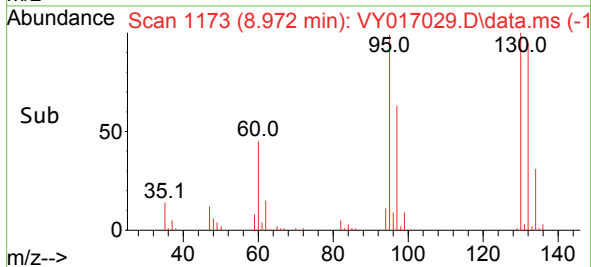
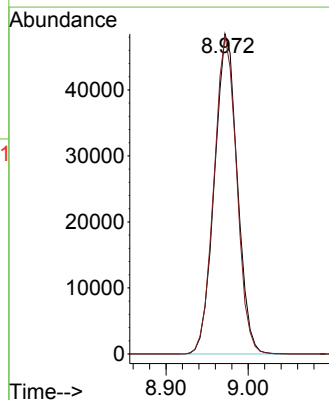
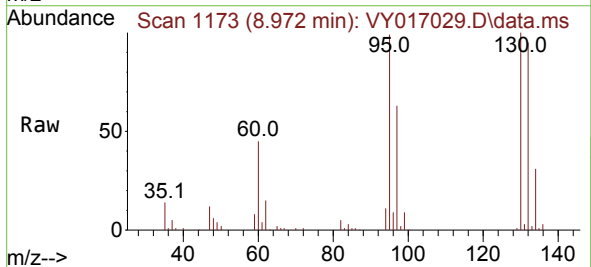
Instrument :  
MSVOA\_Y  
ClientSampleId :

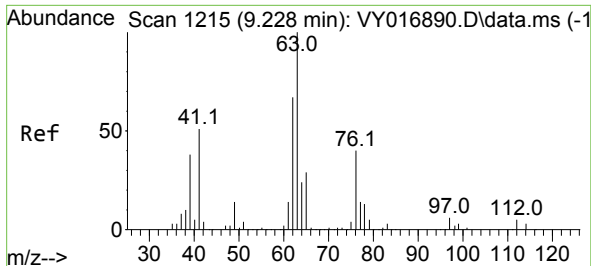
Tgt Ion: 43 Resp: 89183  
Ion Ratio Lower Upper  
43 100  
61 31.7 24.8 37.2  
87 14.1 10.7 16.1



#44  
Trichloroethene  
Concen: 53.811 ug/l  
RT: 8.972 min Scan# 1173  
Delta R.T. 0.025 min  
Lab File: VY017029.D  
Acq: 18 Jan 2024 10:08

Tgt Ion:130 Resp: 93708  
Ion Ratio Lower Upper  
130 100  
95 99.3 0.0 203.8

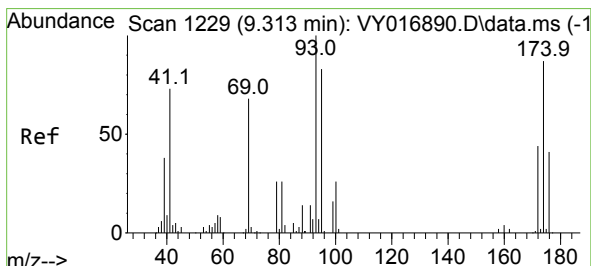
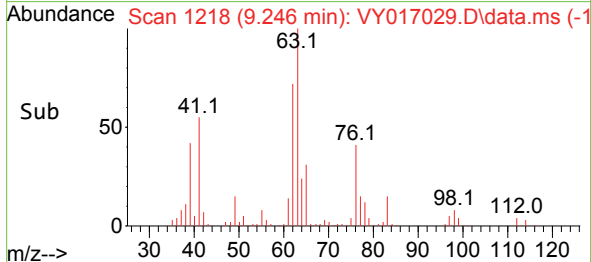
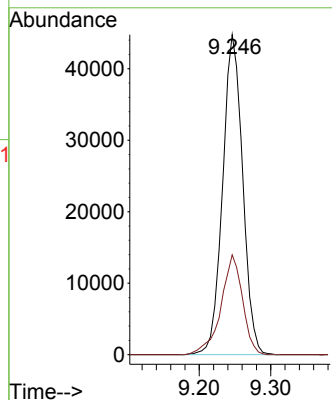
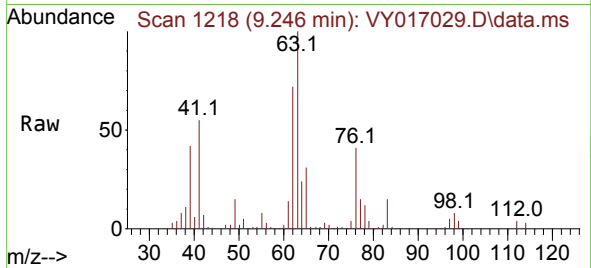




#45  
1,2-Dichloropropane  
Concen: 49.381 ug/l  
RT: 9.246 min Scan# 11  
Delta R.T. 0.018 min  
Lab File: VY017029.D  
Acq: 18 Jan 2024 10:08

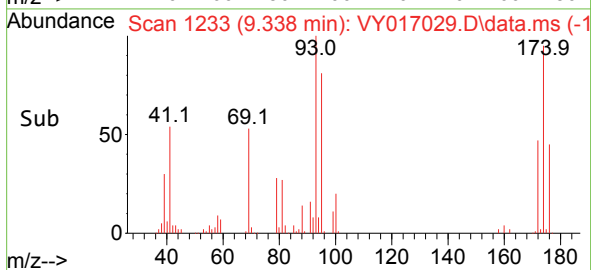
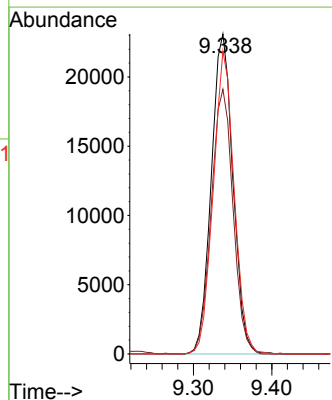
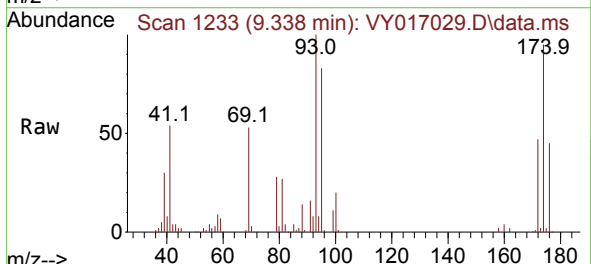
Instrument :  
MSVOA\_Y  
ClientSampleId :

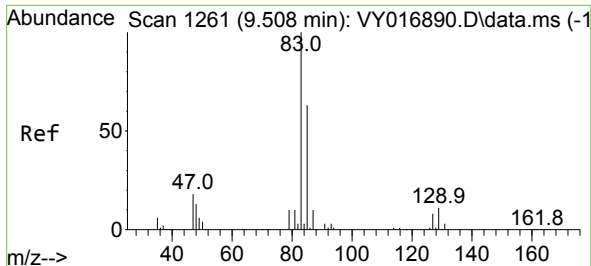
Tgt Ion: 63 Resp: 87063  
Ion Ratio Lower Upper  
63 100  
65 31.2 24.6 36.8



#46  
Dibromomethane  
Concen: 49.305 ug/l  
RT: 9.338 min Scan# 1233  
Delta R.T. 0.025 min  
Lab File: VY017029.D  
Acq: 18 Jan 2024 10:08

Tgt Ion: 93 Resp: 44334  
Ion Ratio Lower Upper  
93 100  
95 83.2 66.6 99.8  
174 91.6 73.8 110.6

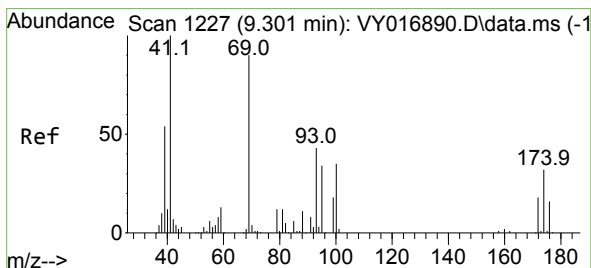
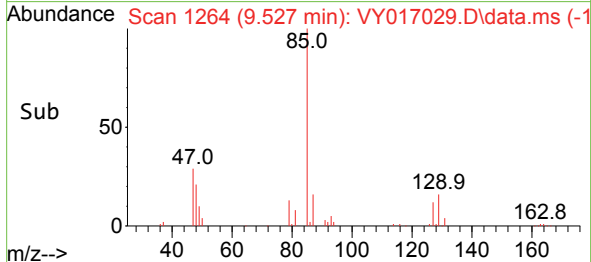
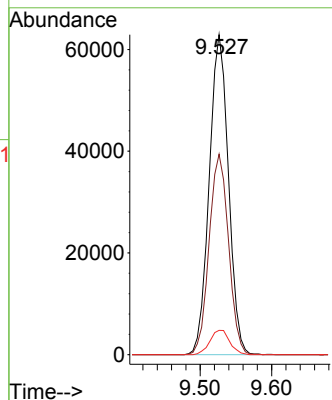
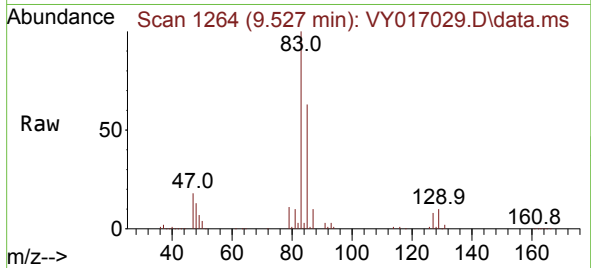




#47  
Bromodichloromethane  
Concen: 48.563 ug/l  
RT: 9.527 min Scan# 117260  
Delta R.T. 0.019 min  
Lab File: VY017029.D  
Acq: 18 Jan 2024 10:08

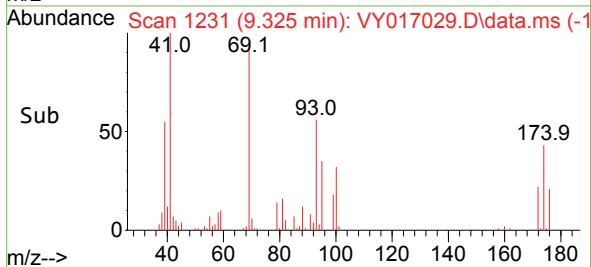
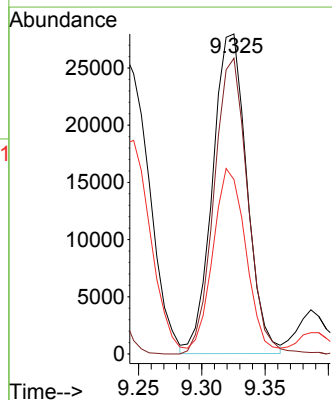
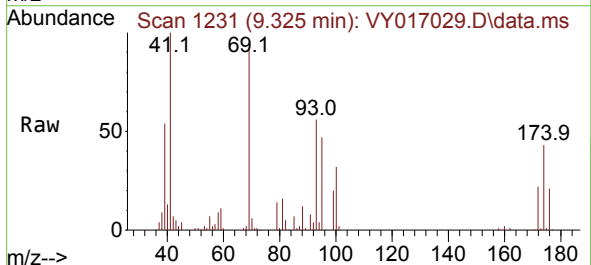
Instrument :  
MSVOA\_Y  
ClientSampleId :

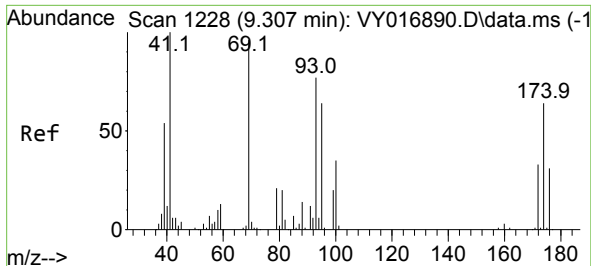
Tgt Ion: 83 Resp: 117260  
Ion Ratio Lower Upper  
83 100  
85 62.6 53.2 79.8  
127 7.6 6.4 9.6



#48  
Methyl methacrylate  
Concen: 49.171 ug/l  
RT: 9.325 min Scan# 1231  
Delta R.T. 0.024 min  
Lab File: VY017029.D  
Acq: 18 Jan 2024 10:08

Tgt Ion: 41 Resp: 52685  
Ion Ratio Lower Upper  
41 100  
69 90.5 72.1 108.1  
39 52.9 42.8 64.2





#49

1,4-Dioxane

Concen: 913.389 ug/l

RT: 9.331 min Scan# 11

Delta R.T. 0.018 min

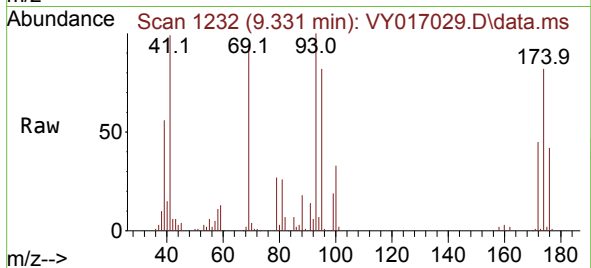
Lab File: VY017029.D

Acq: 18 Jan 2024 10:08

Instrument :

MSVOA\_Y

ClientSampleId :



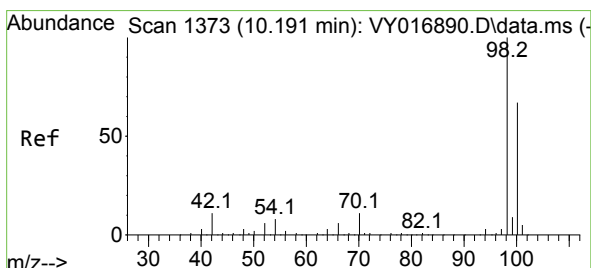
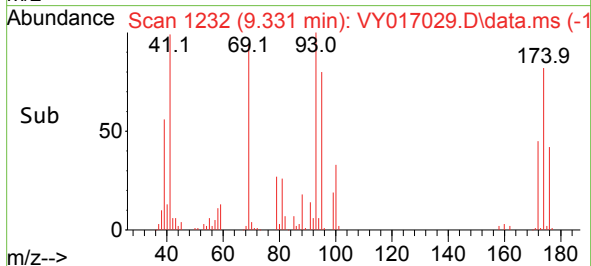
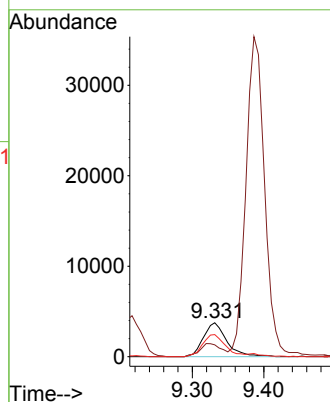
Tgt Ion: 88 Resp: 8504

Ion Ratio Lower Upper

88 100

43 35.3 28.2 42.4

58 63.5 52.2 78.2



#50

Toluene-d8

Concen: 47.218 ug/l

RT: 10.209 min Scan# 1376

Delta R.T. 0.018 min

Lab File: VY017029.D

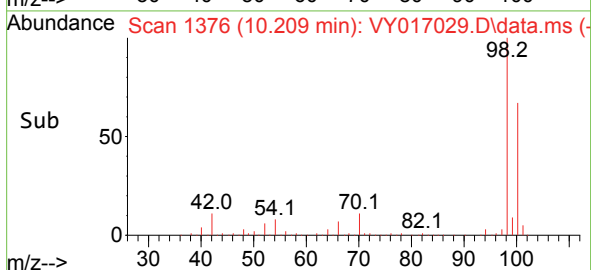
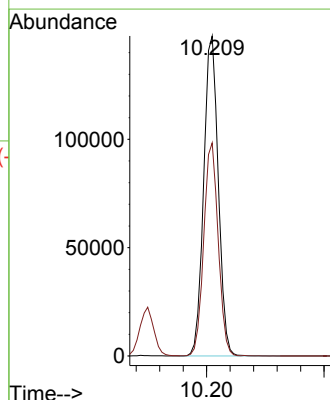
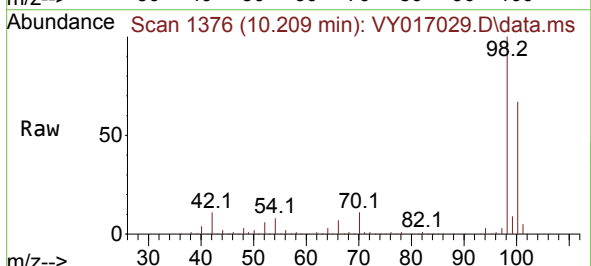
Acq: 18 Jan 2024 10:08

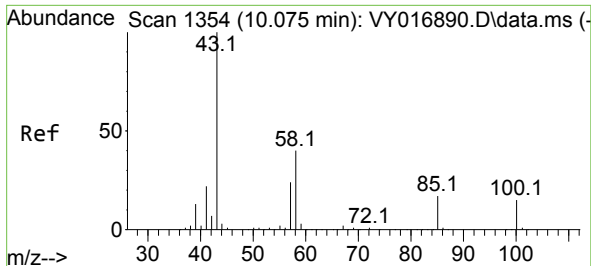
Tgt Ion: 98 Resp: 254531

Ion Ratio Lower Upper

98 100

100 66.0 52.3 78.5





#51

4-Methyl-2-Pentanone

Concen: 225.081 ug/l

RT: 10.100 min Scan# 11

Delta R.T. 0.019 min

Lab File: VY017029.D

Acq: 18 Jan 2024 10:08

Instrument :

MSVOA\_Y

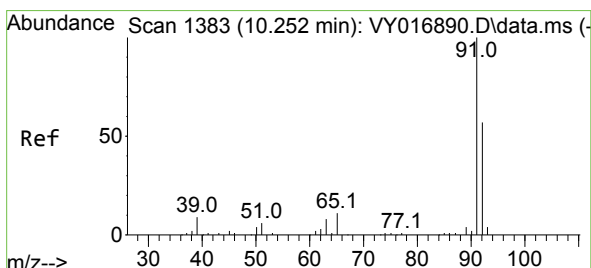
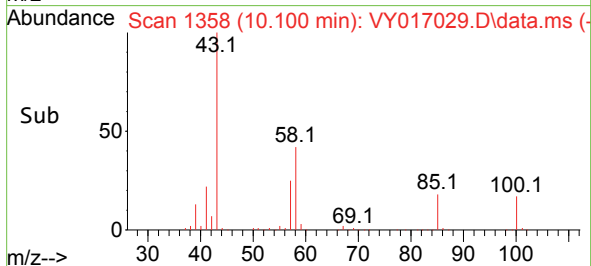
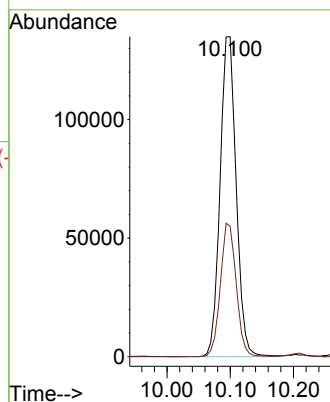
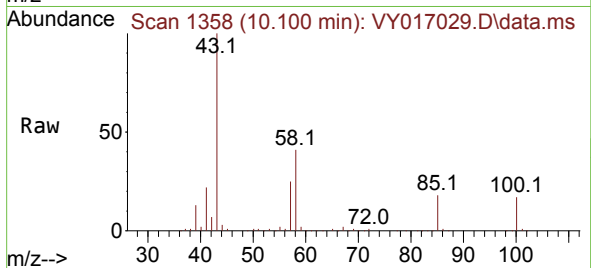
ClientSampleId :

Tgt Ion: 43 Resp: 237653

Ion Ratio Lower Upper

43 100

58 40.9 32.2 48.2



#52

Toluene

Concen: 53.817 ug/l

RT: 10.270 min Scan# 1386

Delta R.T. 0.018 min

Lab File: VY017029.D

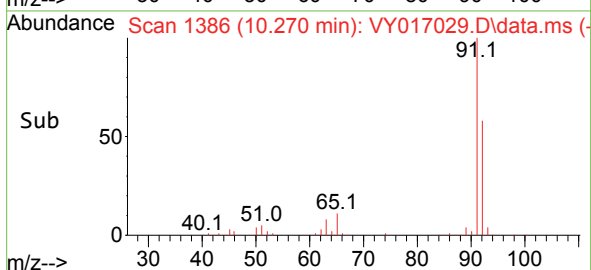
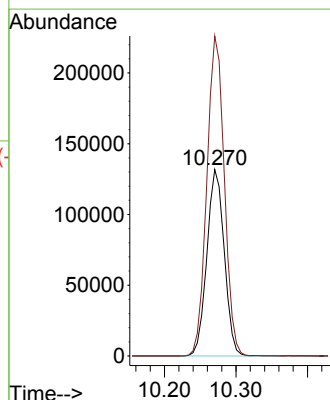
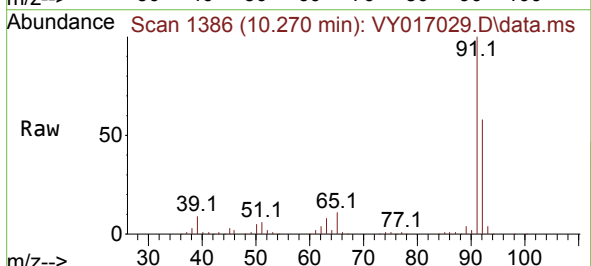
Acq: 18 Jan 2024 10:08

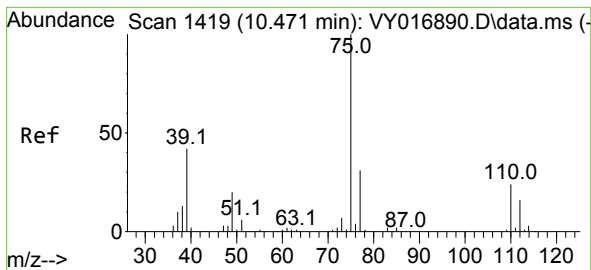
Tgt Ion: 92 Resp: 222275

Ion Ratio Lower Upper

92 100

91 172.8 137.6 206.4

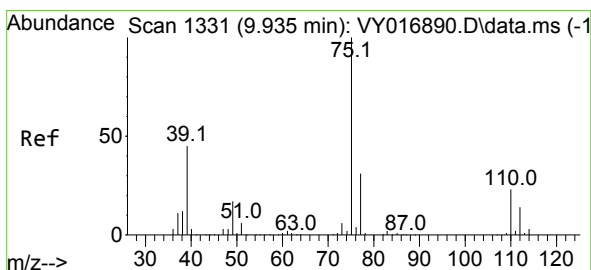
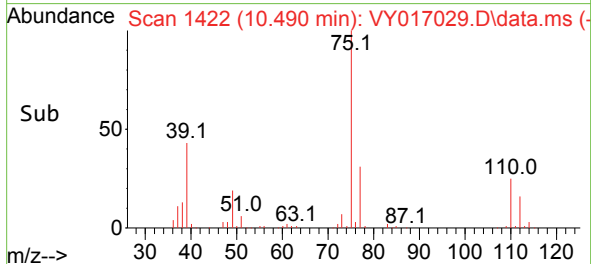
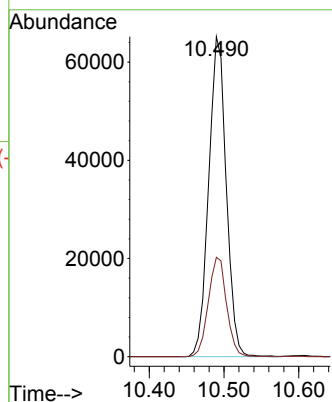
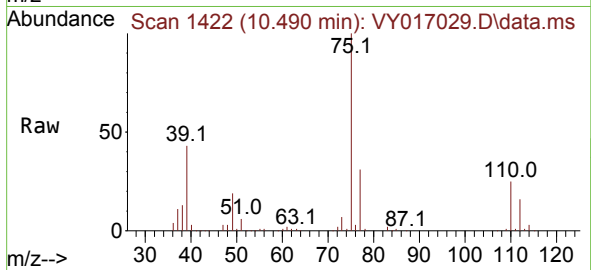




#53  
 t-1,3-Dichloropropene  
 Concen: 49.198 ug/l  
 RT: 10.490 min Scan# 1419  
 Delta R.T. 0.019 min  
 Lab File: VY017029.D  
 Acq: 18 Jan 2024 10:08

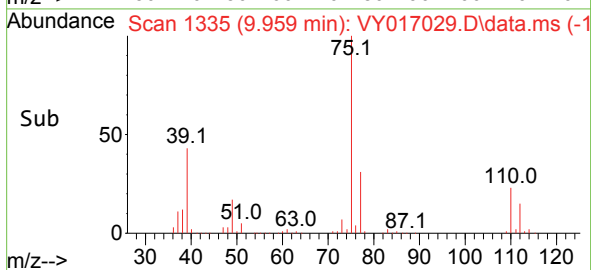
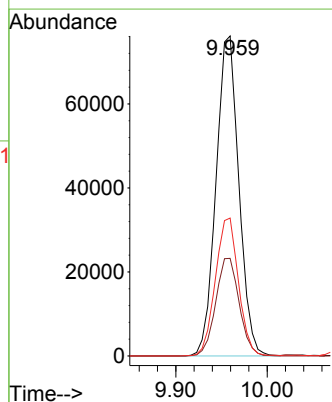
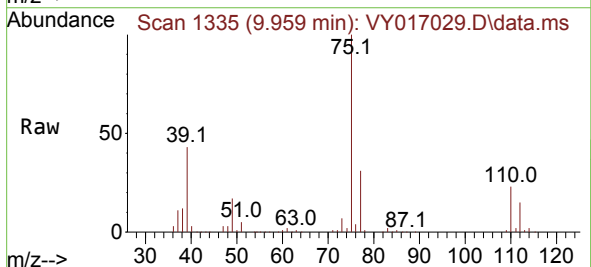
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

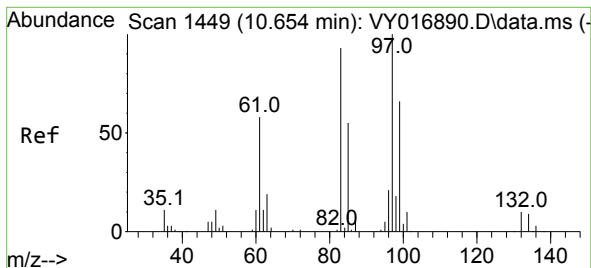
Tgt Ion: 75 Resp: 106407  
 Ion Ratio Lower Upper  
 75 100  
 77 31.1 24.6 36.8



#54  
 cis-1,3-Dichloropropene  
 Concen: 50.920 ug/l  
 RT: 9.959 min Scan# 1335  
 Delta R.T. 0.018 min  
 Lab File: VY017029.D  
 Acq: 18 Jan 2024 10:08

Tgt Ion: 75 Resp: 132258  
 Ion Ratio Lower Upper  
 75 100  
 77 30.5 24.6 36.8  
 39 43.1 33.6 50.4





#55

1,1,2-Trichloroethane

Concen: 46.994 ug/l

RT: 10.673 min Scan# 1449

Delta R.T. 0.019 min

Lab File: VY017029.D

Acq: 18 Jan 2024 10:08

Instrument :

MSVOA\_Y

ClientSampleId :

Tgt Ion: 97 Resp: 61733

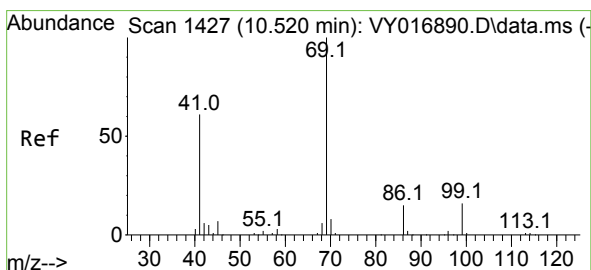
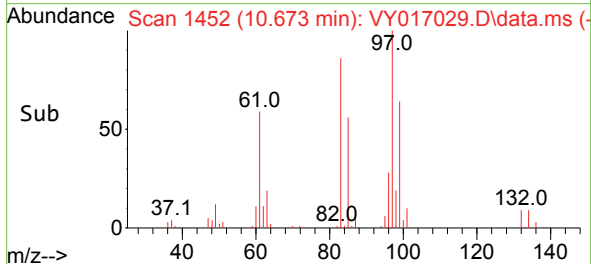
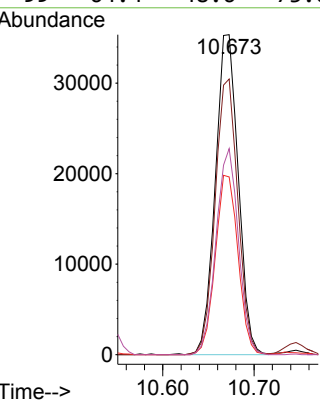
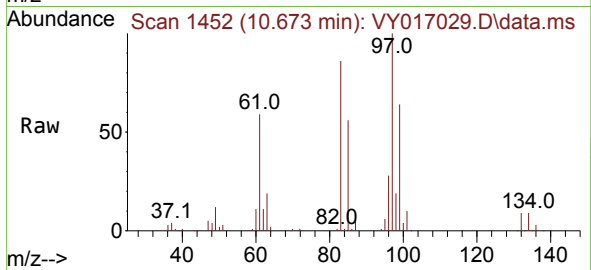
Ion Ratio Lower Upper

97 100

83 86.2 69.4 104.2

85 55.6 43.9 65.9

99 64.4 48.6 73.0



#56

Ethyl methacrylate

Concen: 50.418 ug/l

RT: 10.532 min Scan# 1429

Delta R.T. 0.012 min

Lab File: VY017029.D

Acq: 18 Jan 2024 10:08

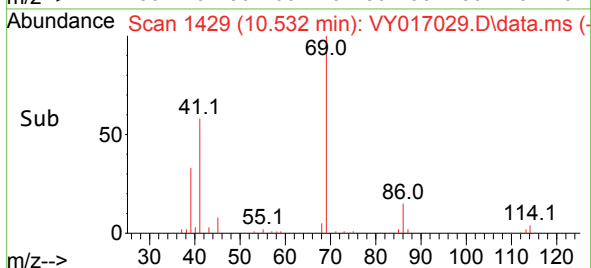
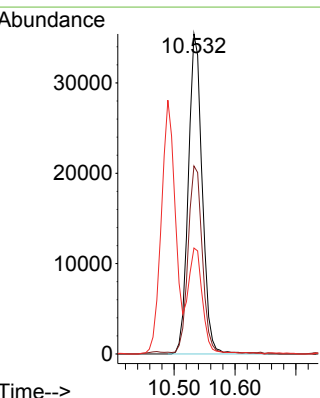
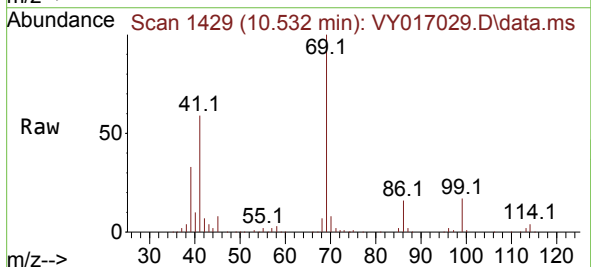
Tgt Ion: 69 Resp: 56098

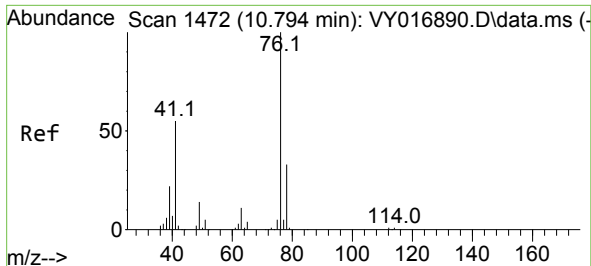
Ion Ratio Lower Upper

69 100

41 59.2 49.2 73.8

39 33.1 26.8 40.2





#57

1,3-Dichloropropane

Concen: 47.920 ug/l

RT: 10.813 min Scan# 1472

Delta R.T. 0.013 min

Lab File: VY017029.D

Acq: 18 Jan 2024 10:08

Instrument :

MSVOA\_Y

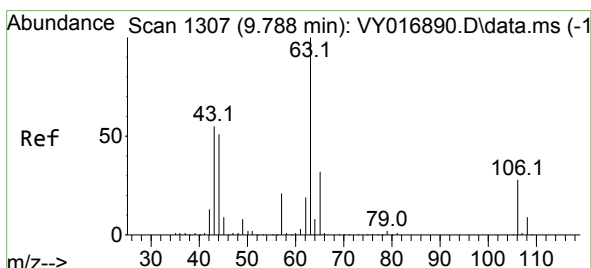
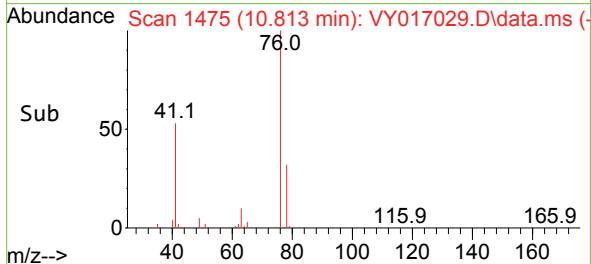
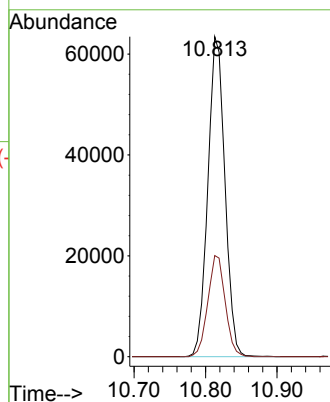
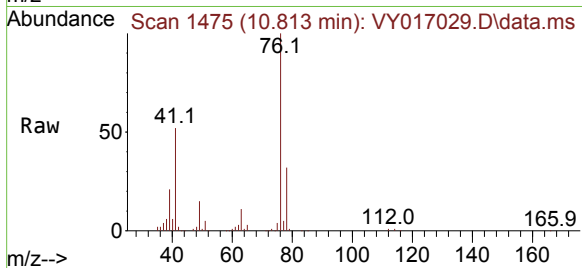
ClientSampleId :

Tgt Ion: 76 Resp: 105101

Ion Ratio Lower Upper

76 100

78 32.2 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 219.375 ug/l

RT: 9.807 min Scan# 1310

Delta R.T. 0.019 min

Lab File: VY017029.D

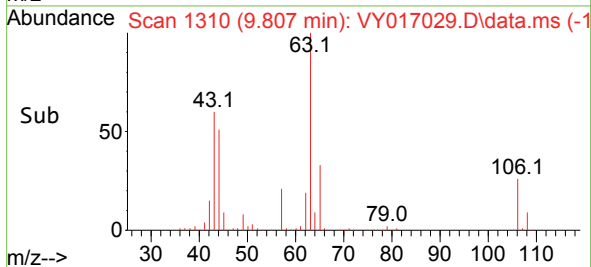
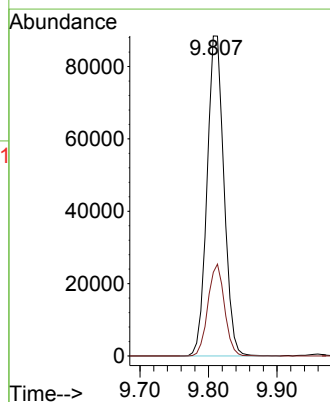
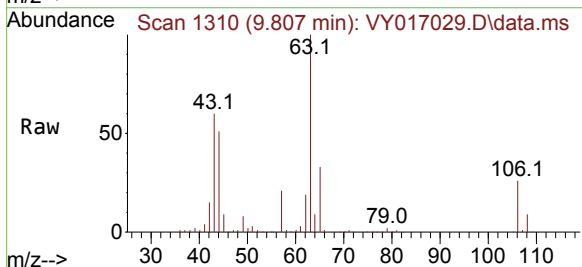
Acq: 18 Jan 2024 10:08

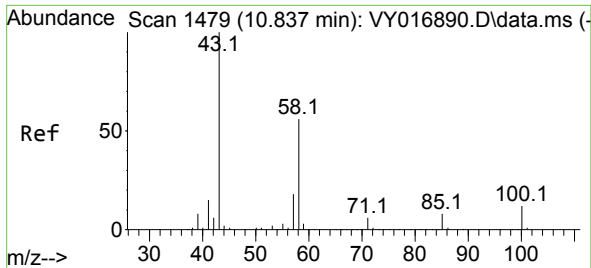
Tgt Ion: 63 Resp: 151988

Ion Ratio Lower Upper

63 100

106 28.0 22.4 33.6

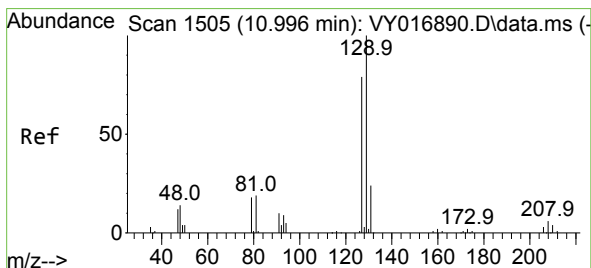
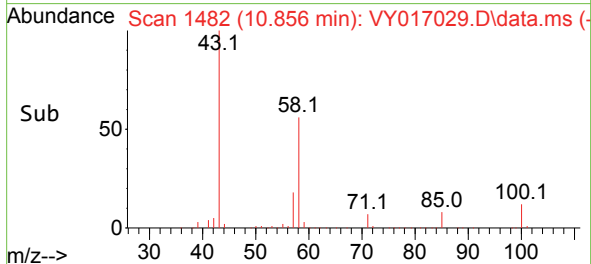
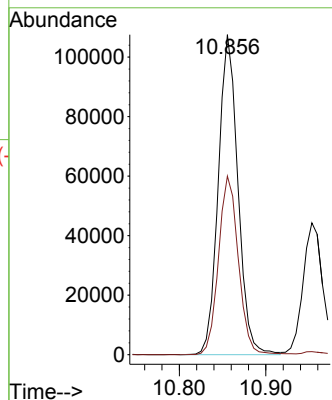
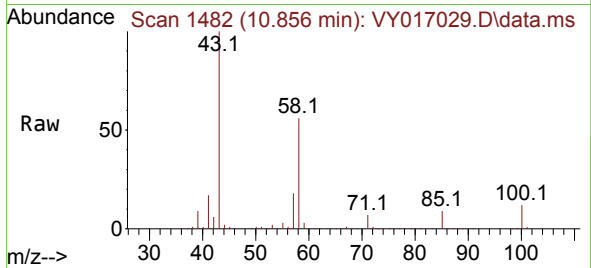




#59  
2-Hexanone  
Concen: 217.810 ug/l  
RT: 10.856 min Scan# 1479  
Delta R.T. 0.013 min  
Lab File: VY017029.D  
Acq: 18 Jan 2024 10:08

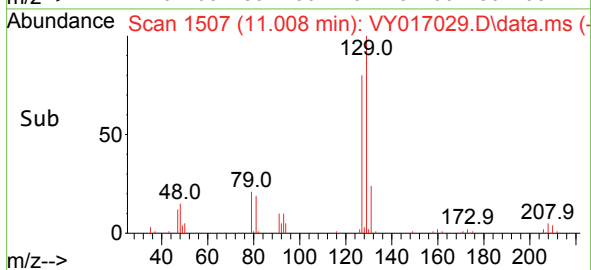
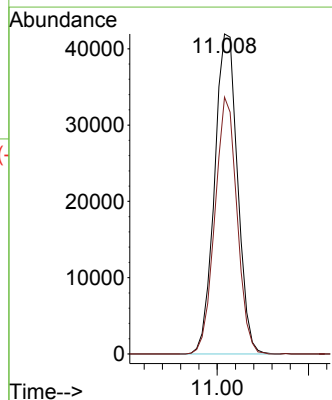
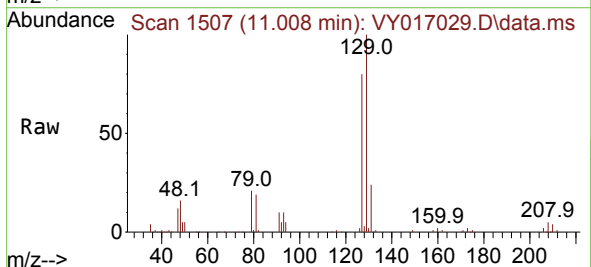
Instrument :  
MSVOA\_Y  
ClientSampleId :

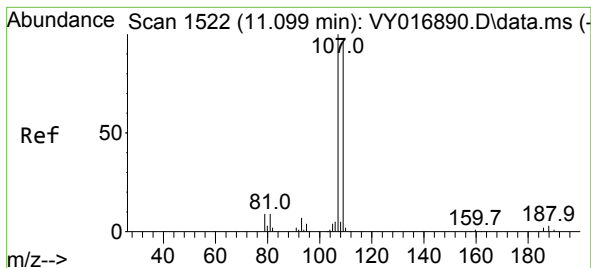
Tgt Ion: 43 Resp: 169338  
Ion Ratio Lower Upper  
43 100  
58 56.5 28.1 84.3



#60  
Dibromochloromethane  
Concen: 48.382 ug/l  
RT: 11.008 min Scan# 1507  
Delta R.T. 0.012 min  
Lab File: VY017029.D  
Acq: 18 Jan 2024 10:08

Tgt Ion: 129 Resp: 73295  
Ion Ratio Lower Upper  
129 100  
127 77.1 39.2 117.6





#61

1,2-Dibromoethane

Concen: 49.199 ug/l

RT: 11.112 min Scan# 1

Delta R.T. 0.013 min

Lab File: VY017029.D

Acq: 18 Jan 2024 10:08

Instrument :

MSVOA\_Y

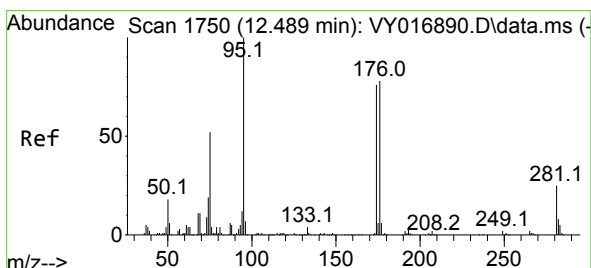
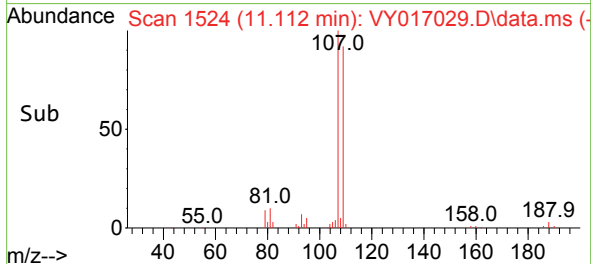
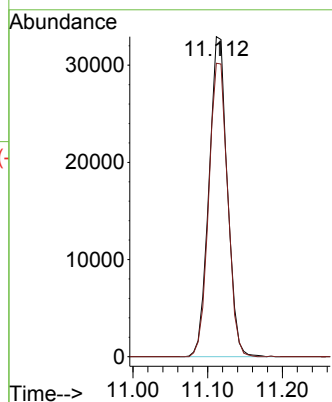
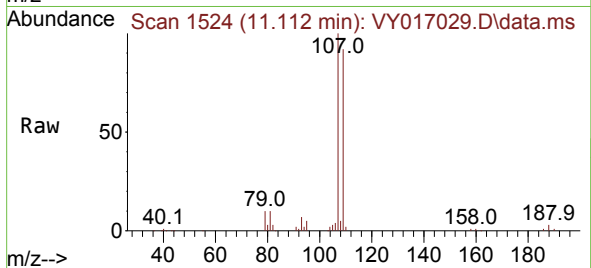
ClientSampleId :

Tgt Ion:107 Resp: 56153

Ion Ratio Lower Upper

107 100

109 94.0 75.4 113.2



#62

4-Bromofluorobenzene

Concen: 47.608 ug/l

RT: 12.502 min Scan# 1752

Delta R.T. 0.013 min

Lab File: VY017029.D

Acq: 18 Jan 2024 10:08

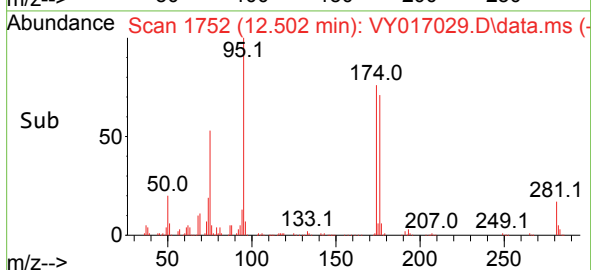
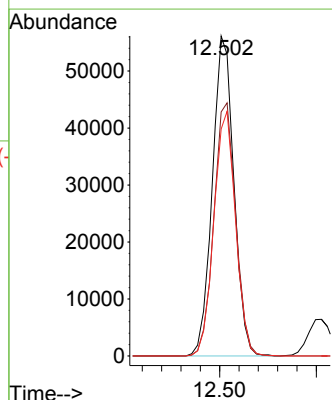
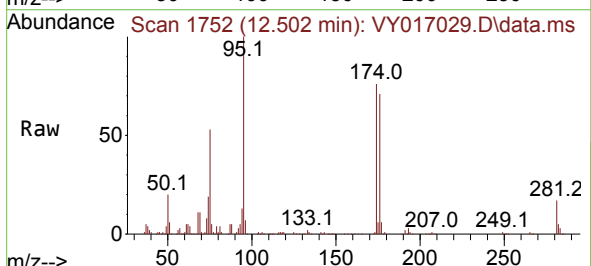
Tgt Ion: 95 Resp: 86585

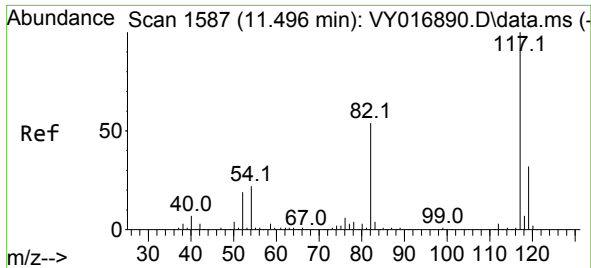
Ion Ratio Lower Upper

95 100

174 80.5 0.0 160.0

176 77.1 0.0 151.8

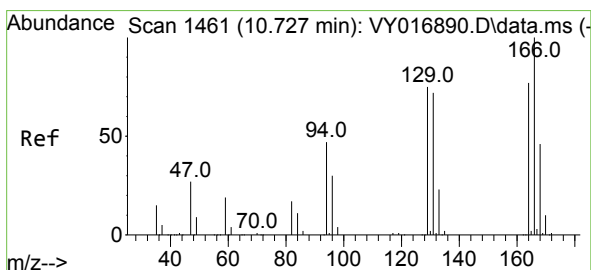
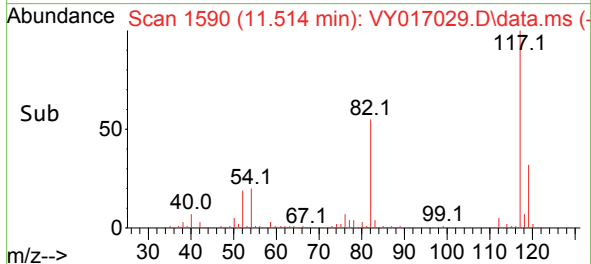
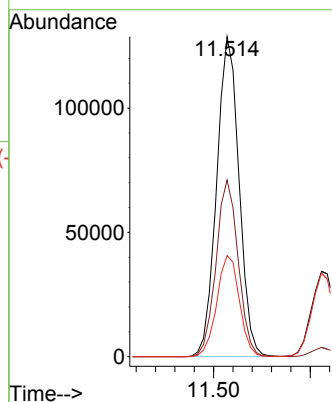
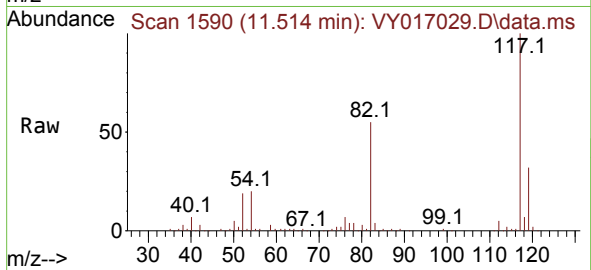




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.514 min Scan# 11  
Delta R.T. 0.012 min  
Lab File: VY017029.D  
Acq: 18 Jan 2024 10:08

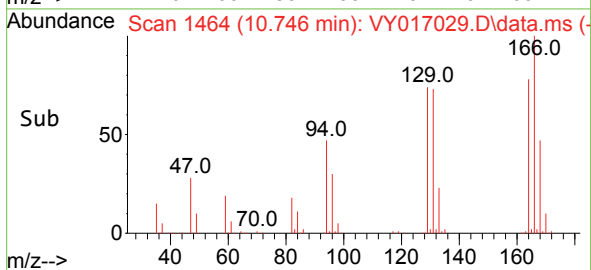
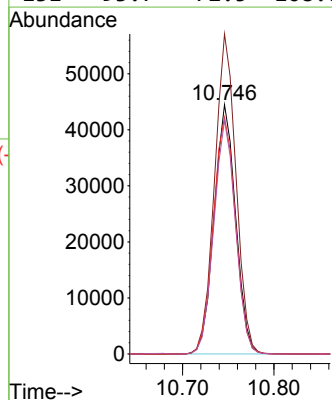
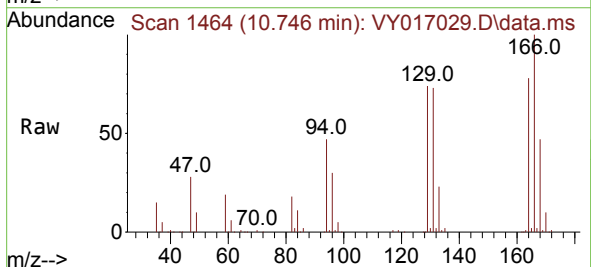
Instrument :  
MSVOA\_Y  
ClientSampleId :

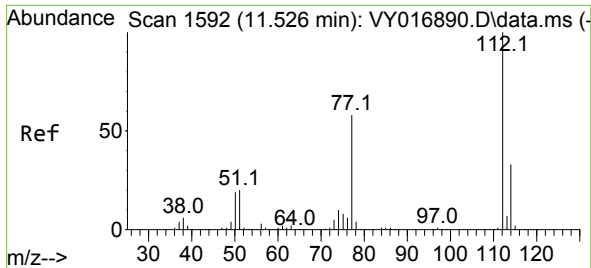
Tgt Ion:117 Resp: 206375  
Ion Ratio Lower Upper  
117 100  
82 55.2 43.8 65.8  
119 31.6 26.5 39.7



#64  
Tetrachloroethene  
Concen: 54.525 ug/l  
RT: 10.746 min Scan# 1464  
Delta R.T. 0.019 min  
Lab File: VY017029.D  
Acq: 18 Jan 2024 10:08

Tgt Ion:164 Resp: 72953  
Ion Ratio Lower Upper  
164 100  
166 128.4 98.8 148.2  
129 94.9 78.9 118.3  
131 93.7 72.5 108.7

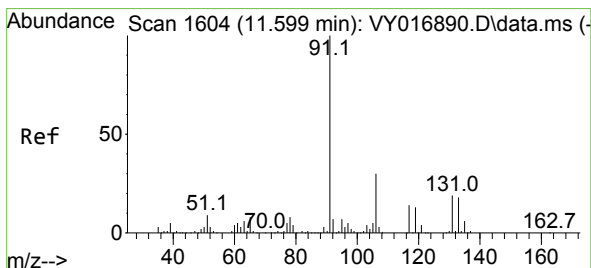
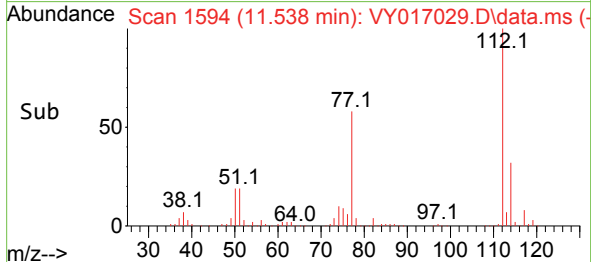
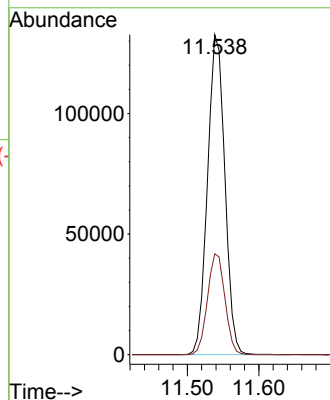
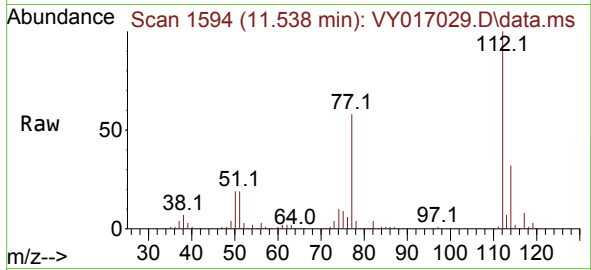




#65  
Chlorobenzene  
Concen: 51.884 ug/l  
RT: 11.538 min Scan# 111  
Delta R.T. 0.012 min  
Lab File: VY017029.D  
Acq: 18 Jan 2024 10:08

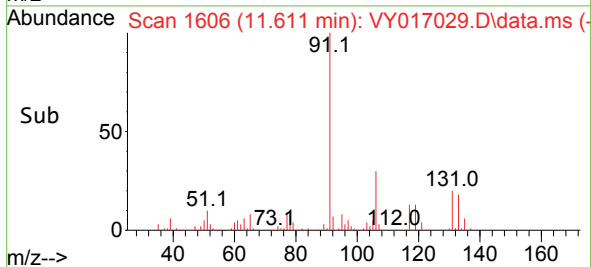
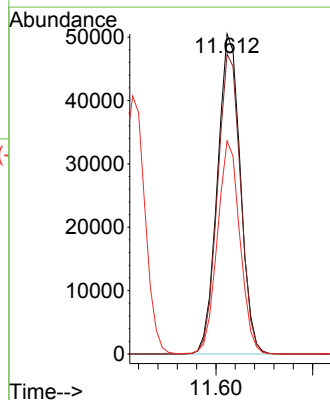
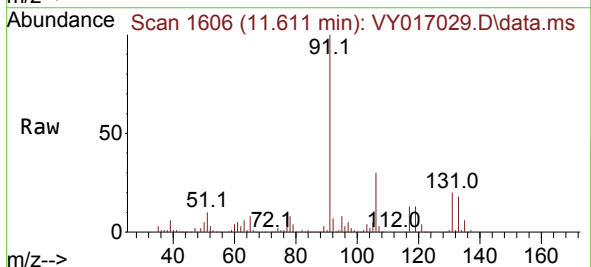
Instrument :  
MSVOA\_Y  
ClientSampleId :

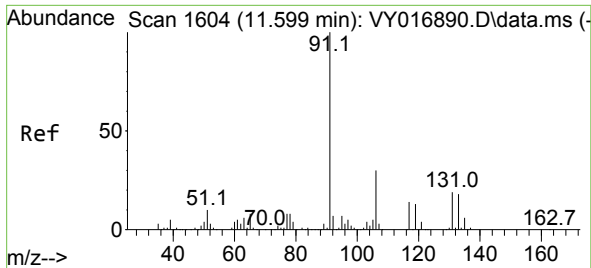
Tgt Ion:112 Resp: 223058  
Ion Ratio Lower Upper  
112 100  
114 31.5 26.1 39.1



#66  
1,1,1,2-Tetrachloroethane  
Concen: 50.747 ug/l  
RT: 11.611 min Scan# 1606  
Delta R.T. 0.012 min  
Lab File: VY017029.D  
Acq: 18 Jan 2024 10:08

Tgt Ion:131 Resp: 82935  
Ion Ratio Lower Upper  
131 100  
133 94.3 47.0 141.0  
119 65.5 33.3 99.9

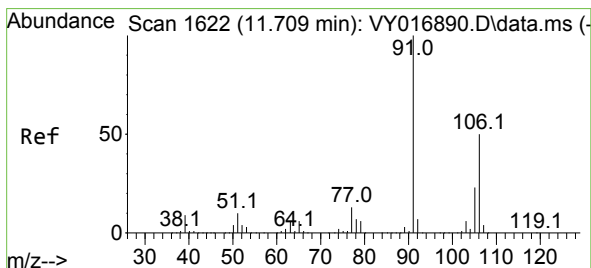
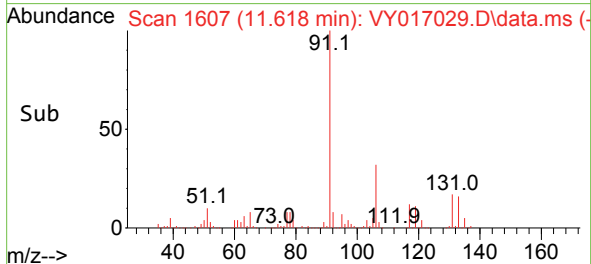
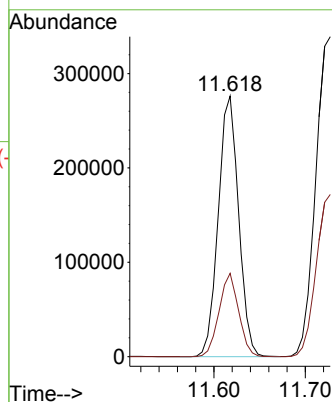
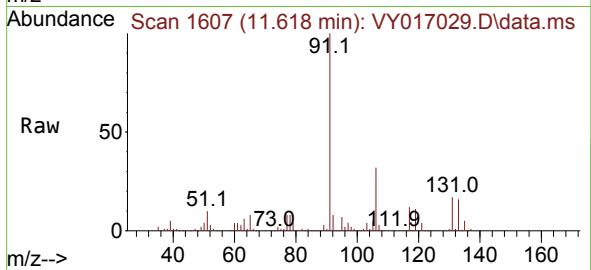




#67  
Ethyl Benzene  
Concen: 55.237 ug/l  
RT: 11.618 min Scan# 1607  
Delta R.T. 0.019 min  
Lab File: VY017029.D  
Acq: 18 Jan 2024 10:08

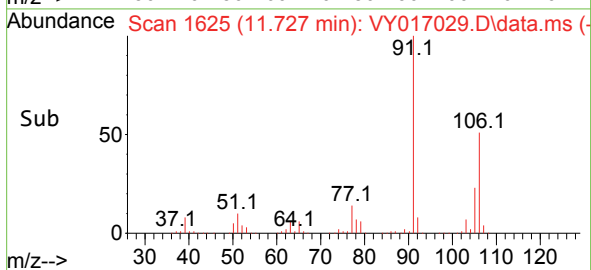
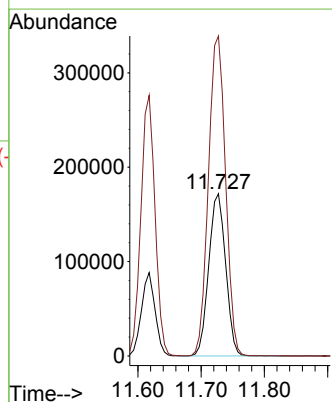
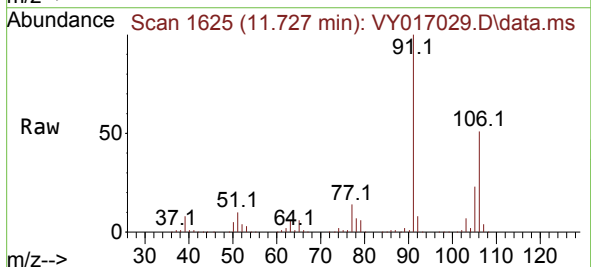
Instrument :  
MSVOA\_Y  
ClientSampleId :

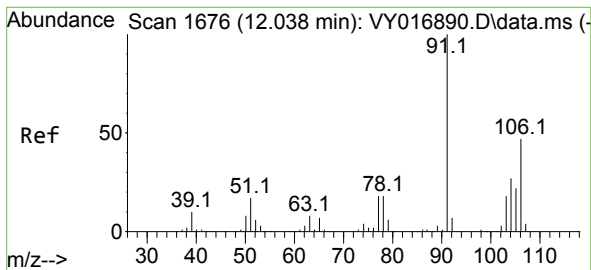
Tgt Ion: 91 Resp: 427531  
Ion Ratio Lower Upper  
91 100  
106 32.0 25.0 37.4



#68  
m/p-Xylenes  
Concen: 112.337 ug/l  
RT: 11.727 min Scan# 1625  
Delta R.T. 0.018 min  
Lab File: VY017029.D  
Acq: 18 Jan 2024 10:08

Tgt Ion:106 Resp: 319155  
Ion Ratio Lower Upper  
106 100  
91 199.9 160.7 241.1





#69

o-Xylene

Concen: 54.899 ug/l

RT: 12.050 min Scan# 1

Delta R.T. 0.012 min

Lab File: VY017029.D

Acq: 18 Jan 2024 10:08

Instrument :

MSVOA\_Y

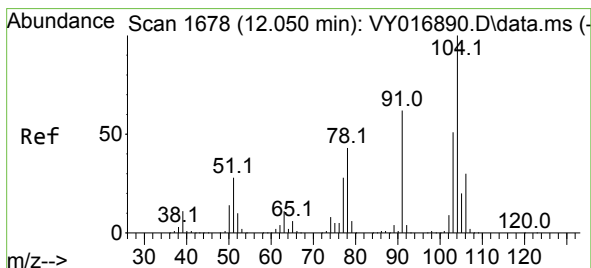
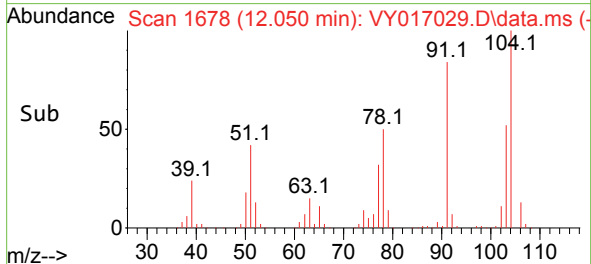
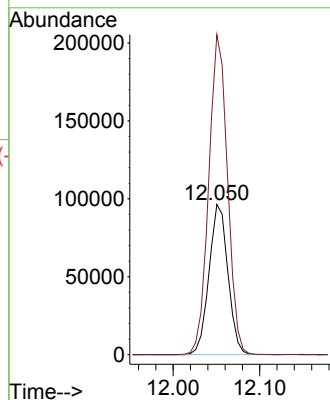
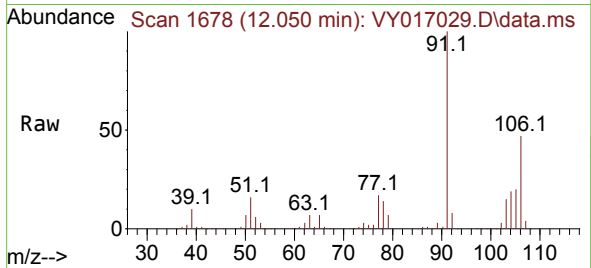
ClientSampleId :

Tgt Ion:106 Resp: 146218

Ion Ratio Lower Upper

106 100

91 211.5 106.5 319.5



#70

Styrene

Concen: 54.812 ug/l

RT: 12.069 min Scan# 1681

Delta R.T. 0.019 min

Lab File: VY017029.D

Acq: 18 Jan 2024 10:08

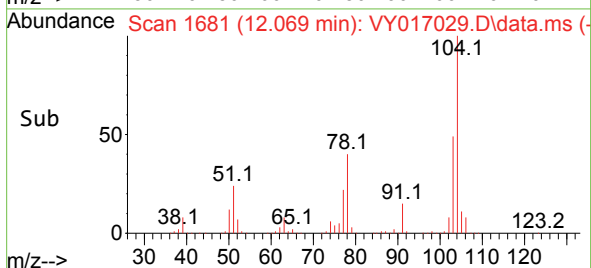
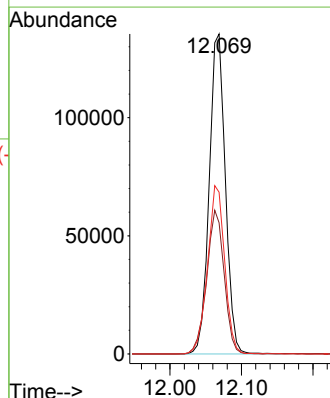
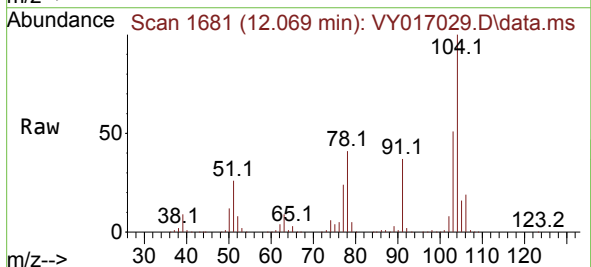
Tgt Ion:104 Resp: 212471

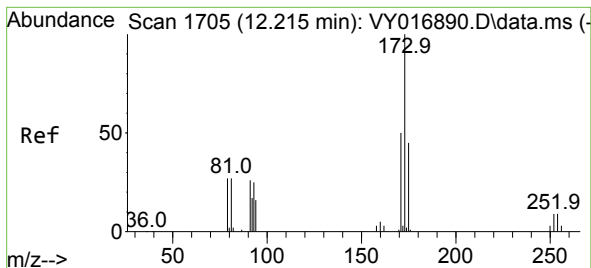
Ion Ratio Lower Upper

104 100

78 48.6 39.2 58.8

103 56.0 43.8 65.6





#71

Bromoform

Concen: 47.806 ug/l

RT: 12.233 min Scan# 11

Delta R.T. 0.018 min

Lab File: VY017029.D

Acq: 18 Jan 2024 10:08

Instrument :

MSVOA\_Y

ClientSampleId :

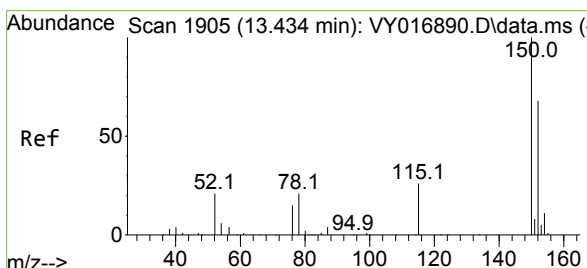
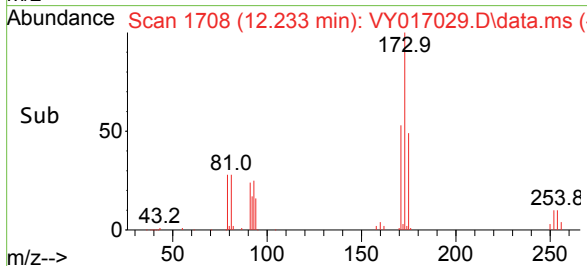
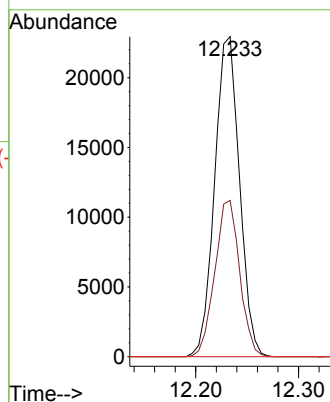
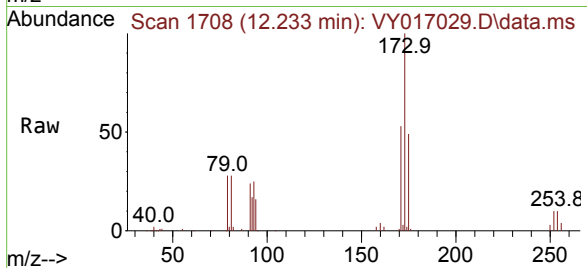
Tgt Ion:173 Resp: 38462

Ion Ratio Lower Upper

173 100

175 48.8 23.5 70.6

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.447 min Scan# 1907

Delta R.T. 0.013 min

Lab File: VY017029.D

Acq: 18 Jan 2024 10:08

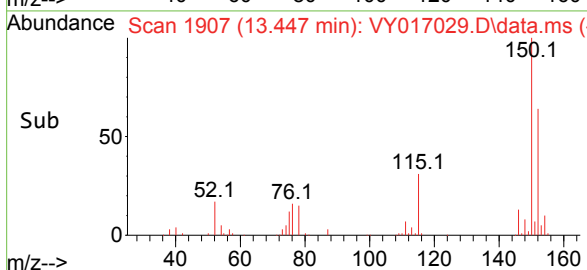
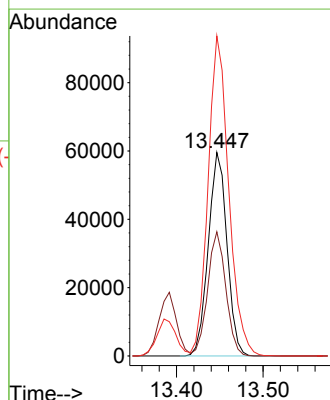
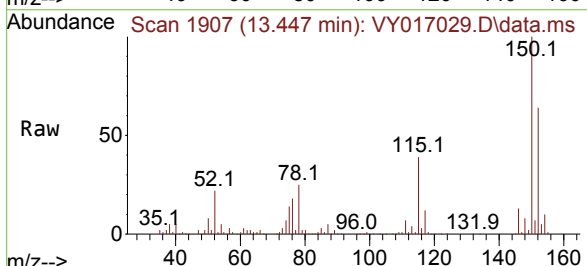
Tgt Ion:152 Resp: 89333

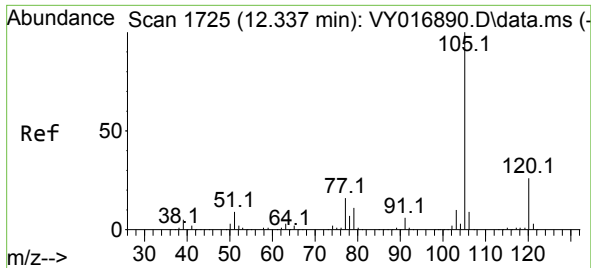
Ion Ratio Lower Upper

152 100

115 59.4 30.0 90.0

150 173.4 0.0 344.6

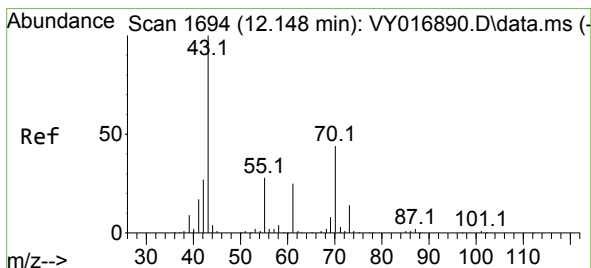
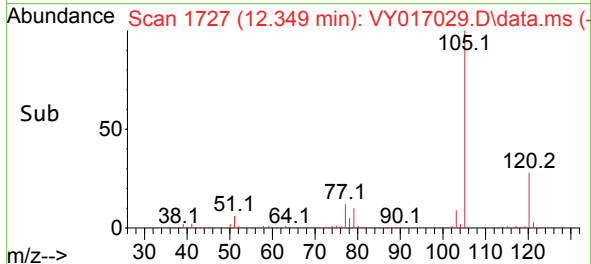
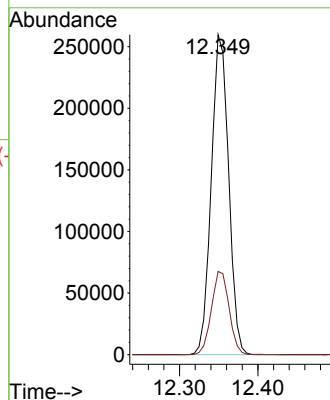
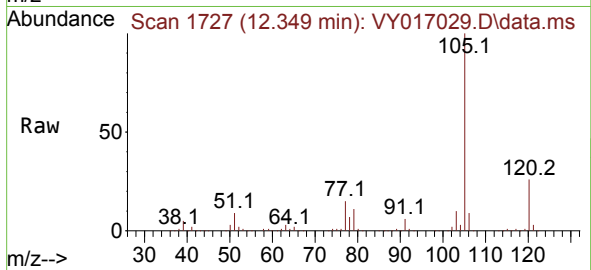




#73  
Isopropylbenzene  
Concen: 54.688 ug/l  
RT: 12.349 min Scan# 1727  
Delta R.T. 0.012 min  
Lab File: VY017029.D  
Acq: 18 Jan 2024 10:08

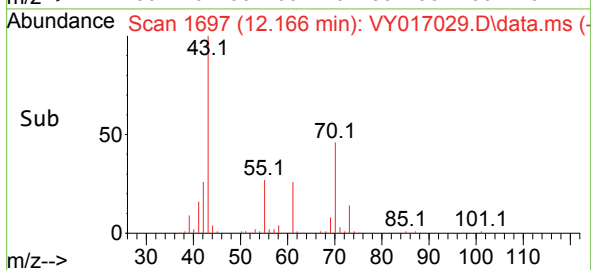
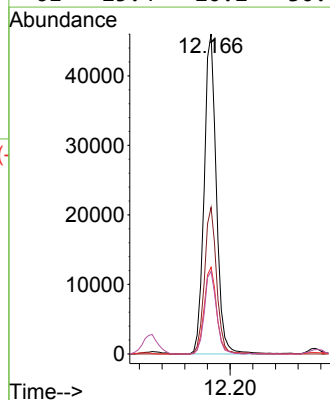
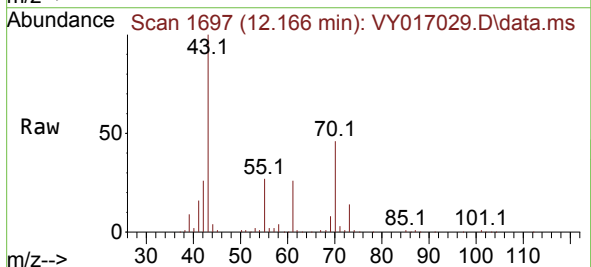
Instrument :  
MSVOA\_Y  
ClientSampleId :

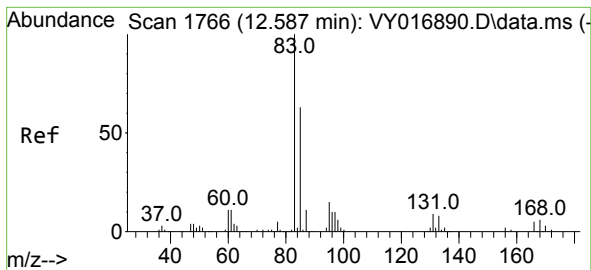
Tgt Ion:105 Resp: 398945  
Ion Ratio Lower Upper  
105 100  
120 26.5 13.0 39.0



#74  
N-ethyl acetate  
Concen: 47.028 ug/l  
RT: 12.166 min Scan# 1697  
Delta R.T. 0.012 min  
Lab File: VY017029.D  
Acq: 18 Jan 2024 10:08

Tgt Ion: 43 Resp: 68928  
Ion Ratio Lower Upper  
43 100  
70 45.4 36.6 55.0  
55 27.7 22.2 33.4  
61 25.4 20.2 30.4





#75

1,1,2,2-Tetrachloroethane

Concen: 44.977 ug/l

RT: 12.599 min Scan# 1768

Delta R.T. 0.006 min

Lab File: VY017029.D

Acq: 18 Jan 2024 10:08

Instrument :

MSVOA\_Y

ClientSampleId :

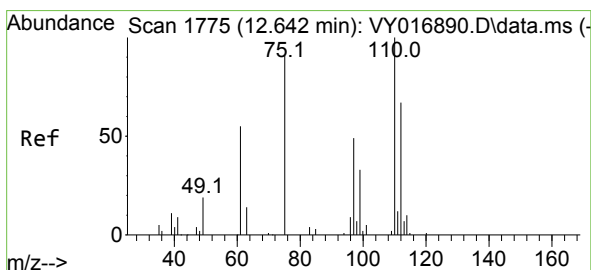
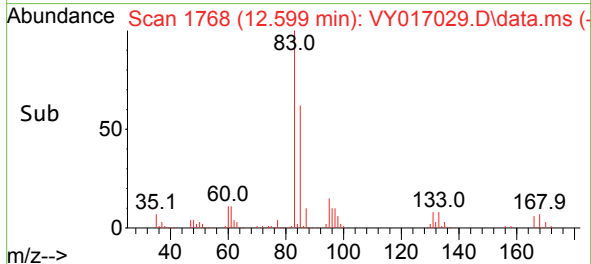
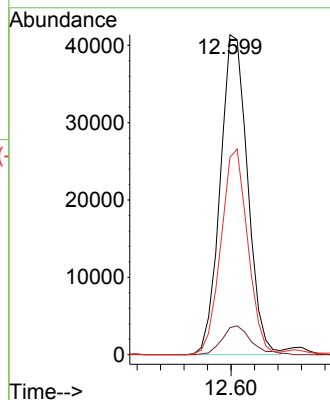
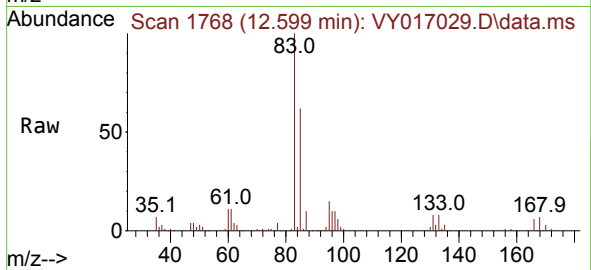
Tgt Ion: 83 Resp: 66853

Ion Ratio Lower Upper

83 100

131 9.5 4.9 14.6

85 63.3 32.6 98.0



#76

1,2,3-Trichloropropane

Concen: 84.023 ug/l

RT: 12.654 min Scan# 1777

Delta R.T. 0.012 min

Lab File: VY017029.D

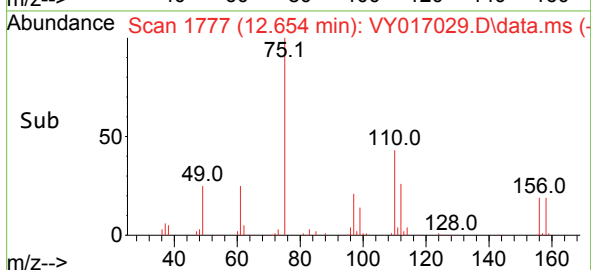
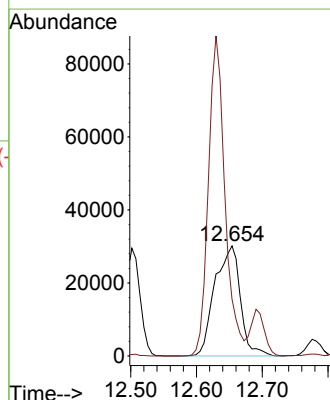
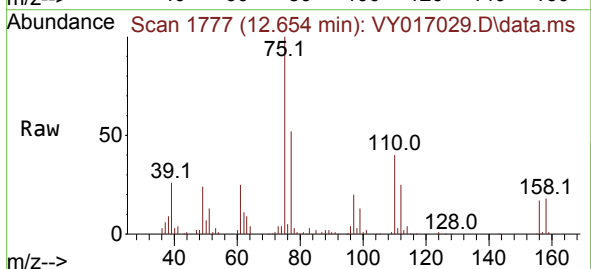
Acq: 18 Jan 2024 10:08

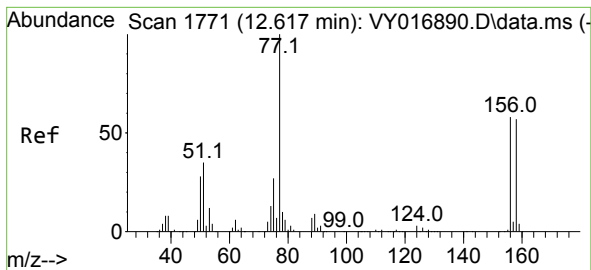
Tgt Ion: 75 Resp: 81454

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 50.752 ug/l

RT: 12.630 min Scan# 1773

Delta R.T. 0.013 min

Lab File: VY017029.D

Acq: 18 Jan 2024 10:08

Instrument :

MSVOA\_Y

ClientSampleId :

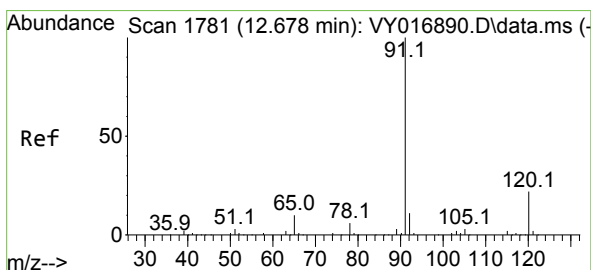
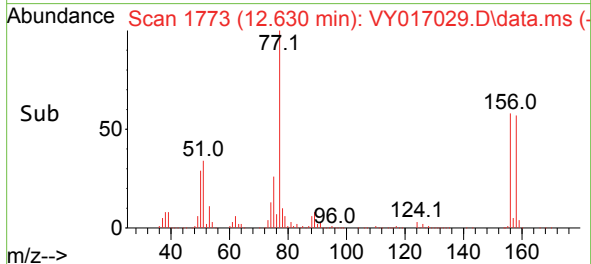
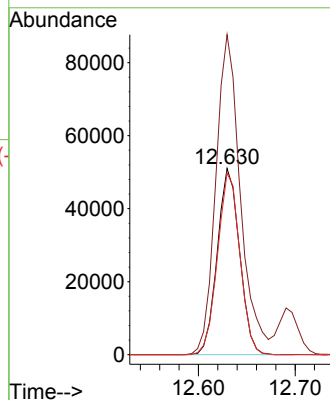
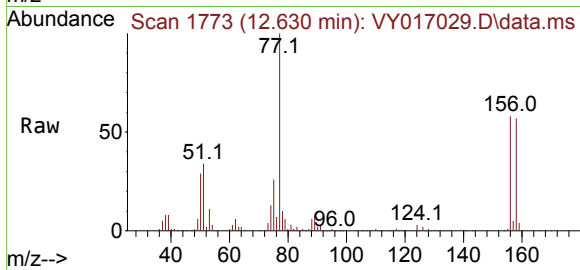
Tgt Ion:156 Resp: 81515

Ion Ratio Lower Upper

156 100

77 189.6 97.3 291.8

158 97.9 48.4 145.0



#78

n-propylbenzene

Concen: 54.545 ug/l

RT: 12.691 min Scan# 1783

Delta R.T. 0.013 min

Lab File: VY017029.D

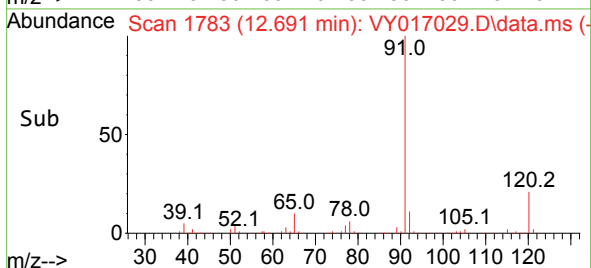
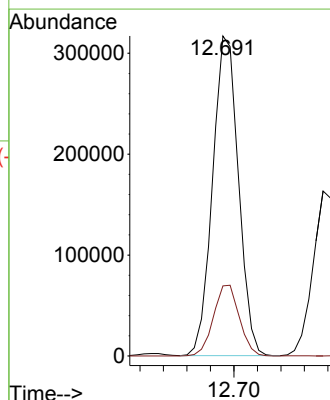
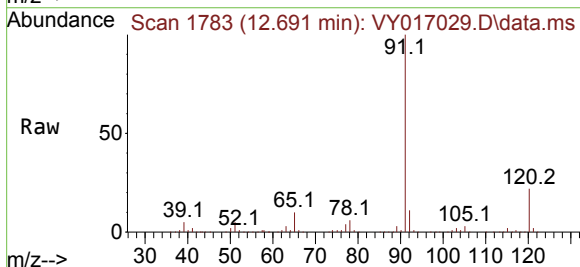
Acq: 18 Jan 2024 10:08

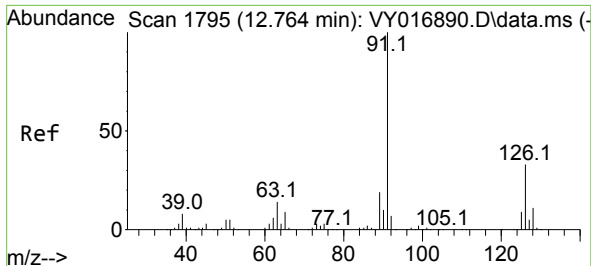
Tgt Ion: 91 Resp: 483735

Ion Ratio Lower Upper

91 100

120 22.2 11.0 33.0

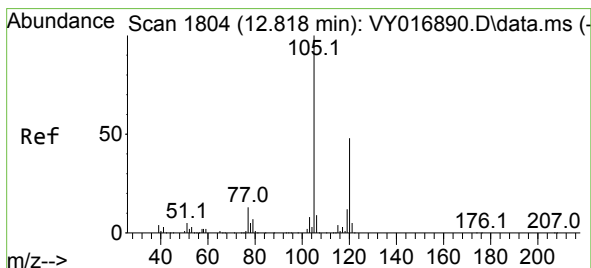
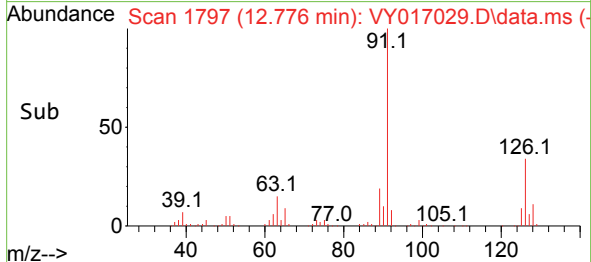
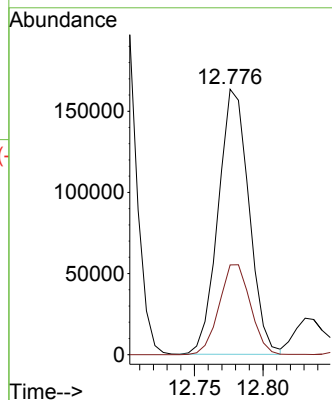
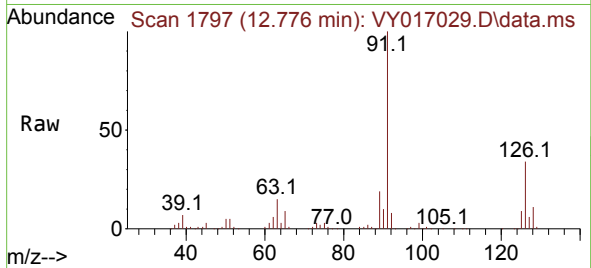




#79  
2-Chlorotoluene  
Concen: 52.094 ug/l  
RT: 12.776 min Scan# 1795  
Delta R.T. 0.013 min  
Lab File: VY017029.D  
Acq: 18 Jan 2024 10:08

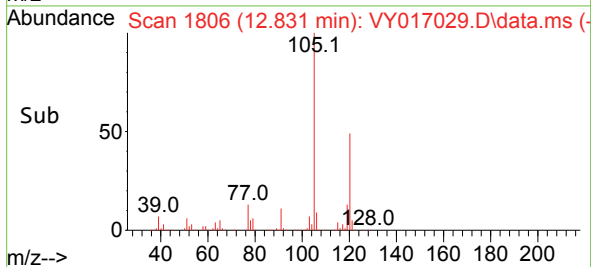
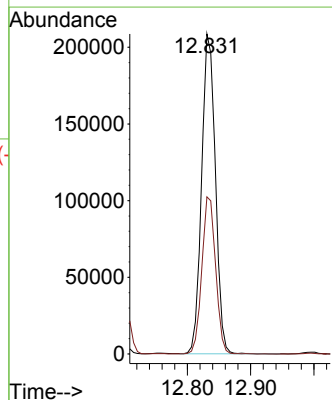
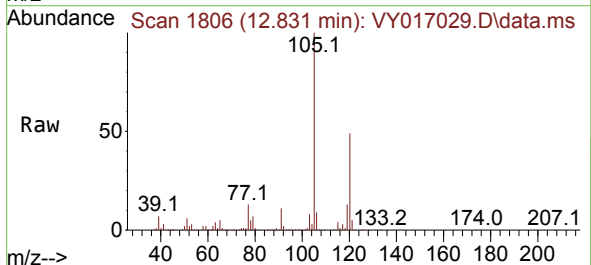
Instrument :  
MSVOA\_Y  
ClientSampleId :

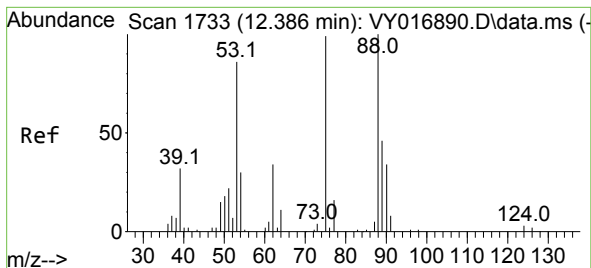
Tgt Ion: 91 Resp: 256190  
Ion Ratio Lower Upper  
91 100  
126 34.4 17.0 51.0



#80  
1,3,5-Trimethylbenzene  
Concen: 54.896 ug/l  
RT: 12.831 min Scan# 1806  
Delta R.T. 0.013 min  
Lab File: VY017029.D  
Acq: 18 Jan 2024 10:08

Tgt Ion: 105 Resp: 316722  
Ion Ratio Lower Upper  
105 100  
120 49.2 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 46.662 ug/l

RT: 12.398 min Scan# 1

Delta R.T. 0.013 min

Lab File: VY017029.D

Acq: 18 Jan 2024 10:08

Instrument :

MSVOA\_Y

ClientSampleId :

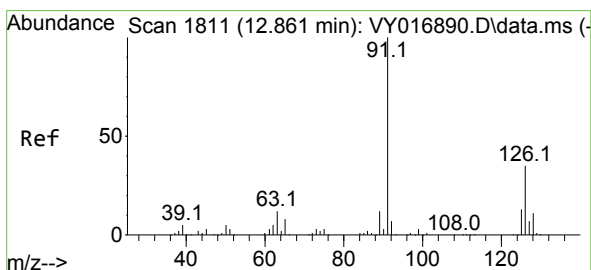
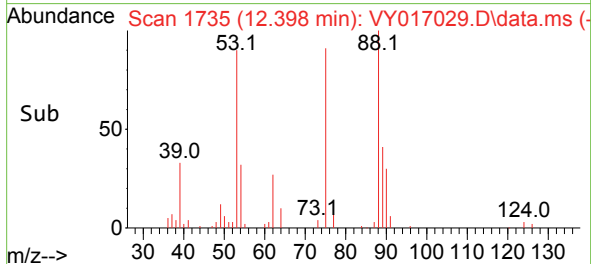
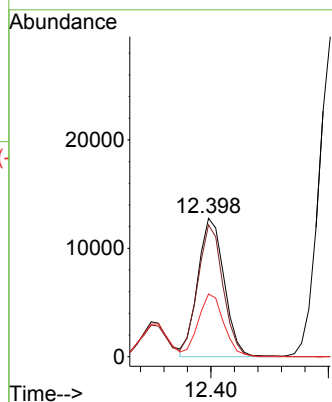
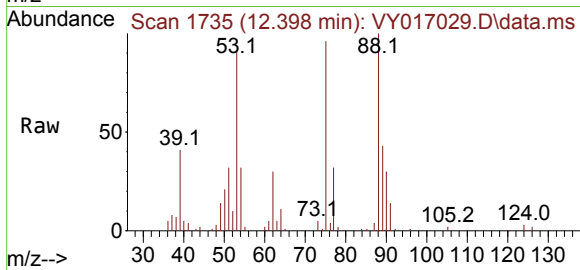
Tgt Ion: 75 Resp: 19921

Ion Ratio Lower Upper

75 100

53 91.9 74.0 111.0

89 43.9 36.5 54.7



#82

4-Chlorotoluene

Concen: 52.075 ug/l

RT: 12.873 min Scan# 1813

Delta R.T. 0.012 min

Lab File: VY017029.D

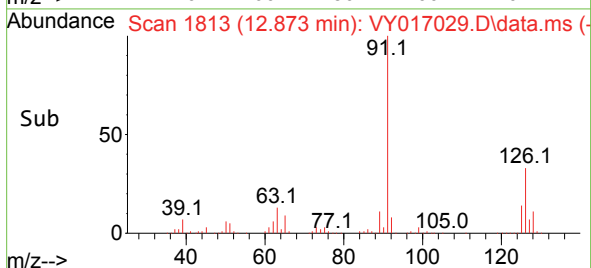
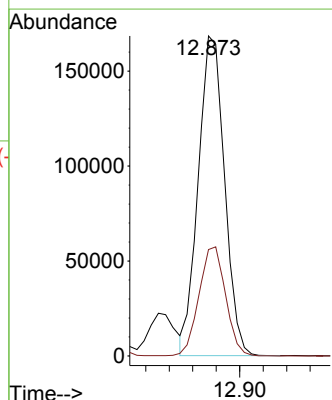
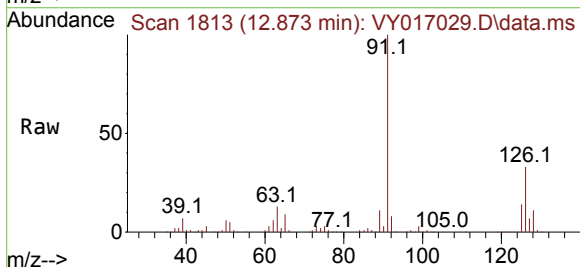
Acq: 18 Jan 2024 10:08

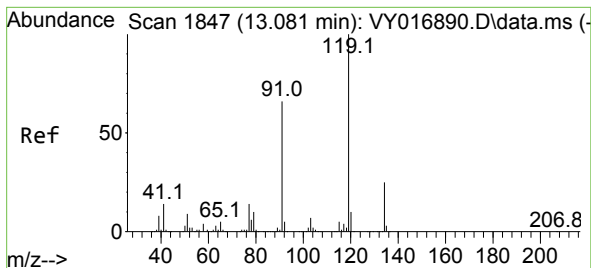
Tgt Ion: 91 Resp: 261639

Ion Ratio Lower Upper

91 100

126 34.7 17.1 51.2





#83

tert-Butylbenzene

Concen: 54.992 ug/l

RT: 13.093 min Scan# 119

Delta R.T. 0.006 min

Lab File: VY017029.D

Acq: 18 Jan 2024 10:08

Instrument :

MSVOA\_Y

ClientSampleId :

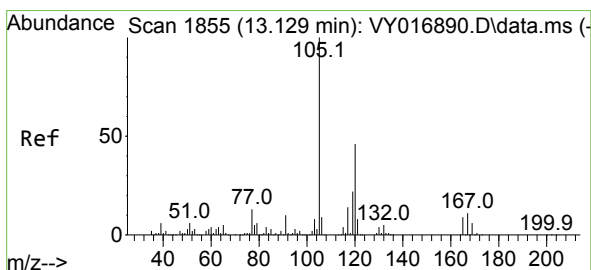
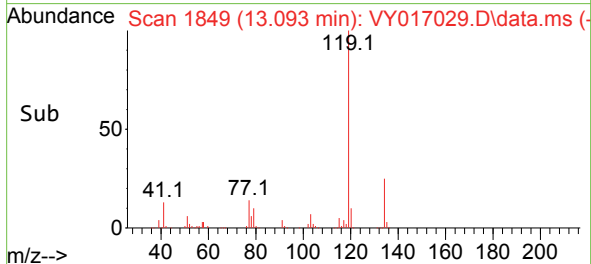
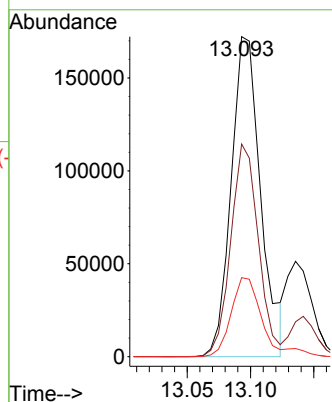
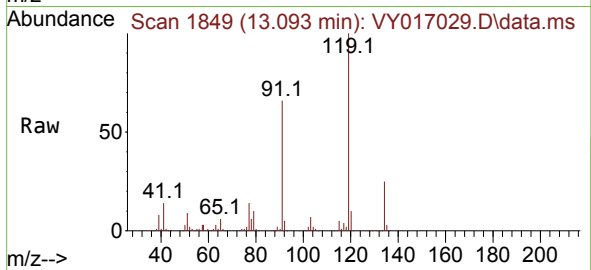
Tgt Ion:119 Resp: 279450

Ion Ratio Lower Upper

119 100

91 62.3 31.5 94.5

134 26.2 13.1 39.3



#84

1,2,4-Trimethylbenzene

Concen: 54.368 ug/l

RT: 13.142 min Scan# 1857

Delta R.T. 0.013 min

Lab File: VY017029.D

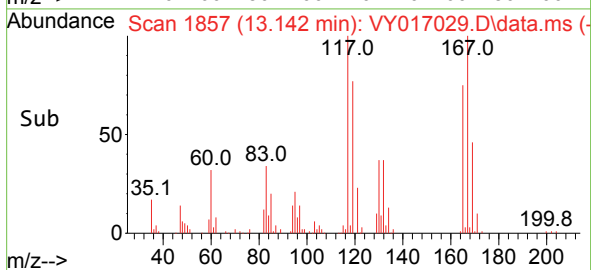
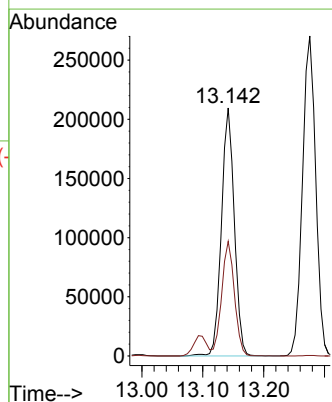
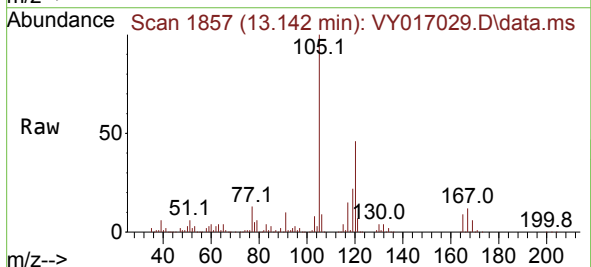
Acq: 18 Jan 2024 10:08

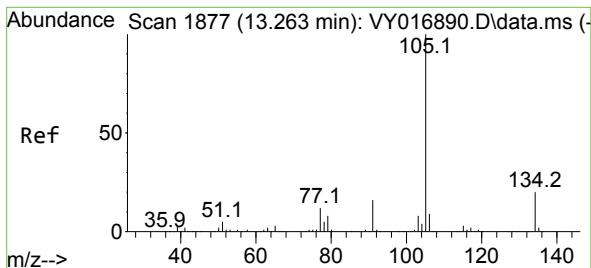
Tgt Ion:105 Resp: 308907

Ion Ratio Lower Upper

105 100

120 45.9 22.1 66.3





#85

sec-Butylbenzene

Concen: 54.118 ug/l

RT: 13.276 min Scan# 1879

Delta R.T. 0.013 min

Lab File: VY017029.D

Acq: 18 Jan 2024 10:08

Instrument :

MSVOA\_Y

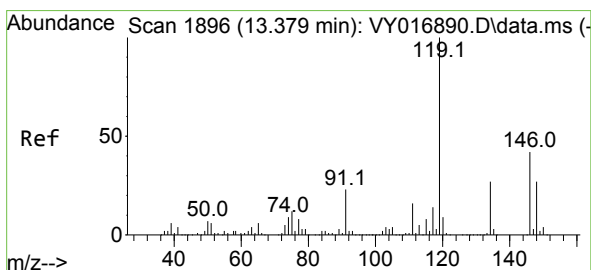
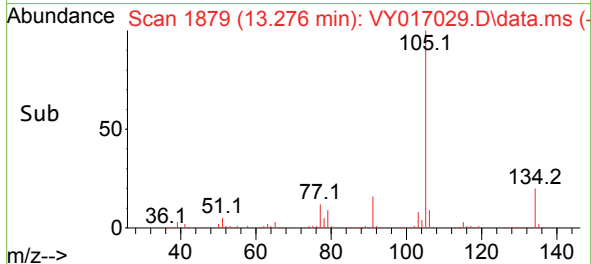
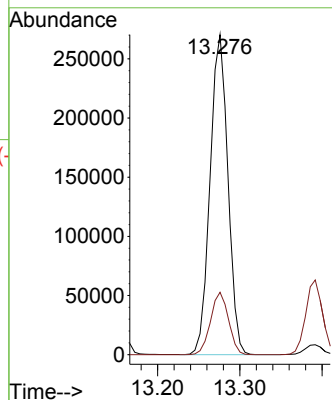
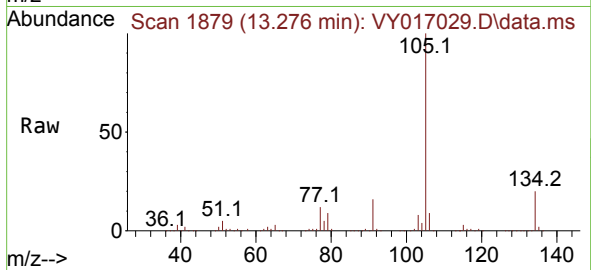
ClientSampleId :

Tgt Ion:105 Resp: 407488

Ion Ratio Lower Upper

105 100

134 19.6 9.7 28.9



#86

p-Isopropyltoluene

Concen: 55.003 ug/l

RT: 13.392 min Scan# 1898

Delta R.T. 0.013 min

Lab File: VY017029.D

Acq: 18 Jan 2024 10:08

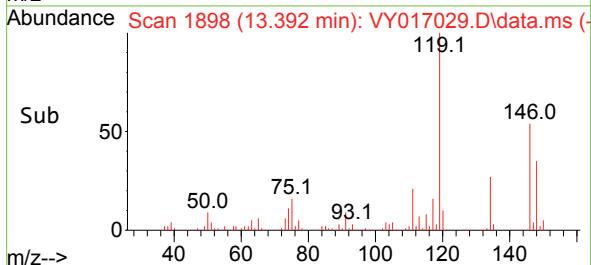
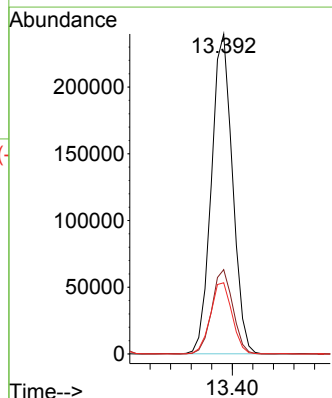
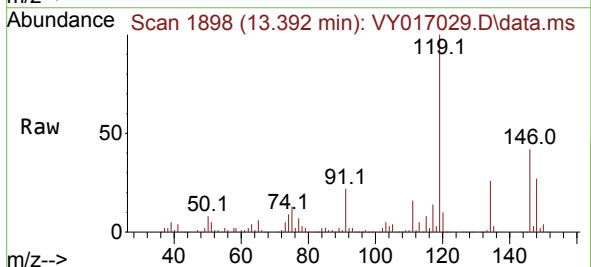
Tgt Ion:119 Resp: 341799

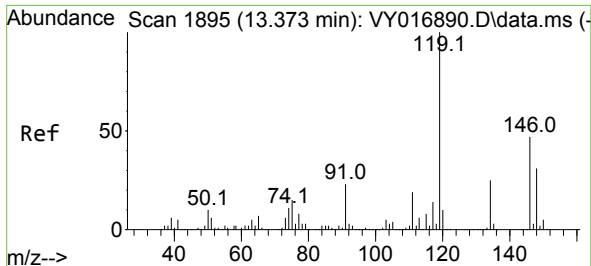
Ion Ratio Lower Upper

119 100

134 26.3 13.1 39.1

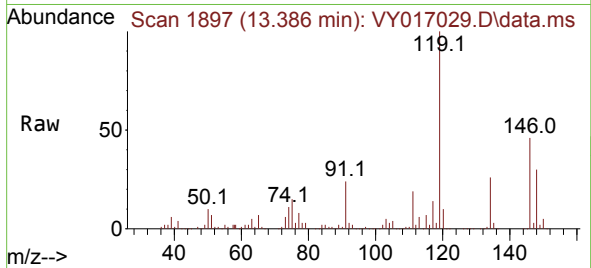
91 22.9 11.7 35.0



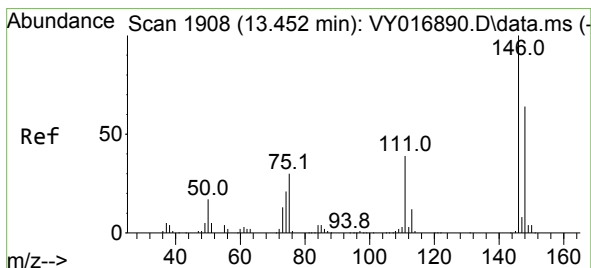
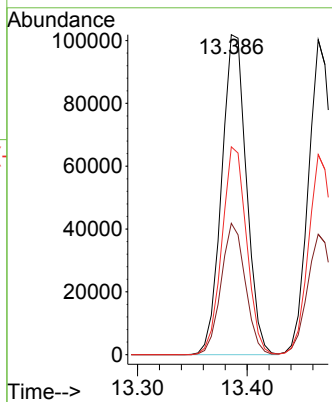
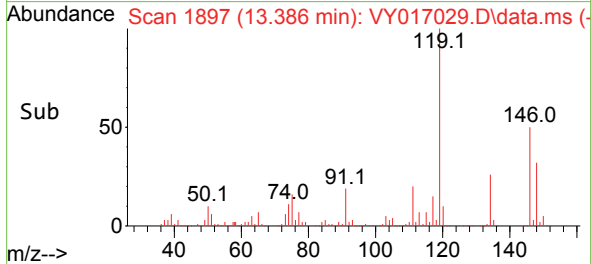


#87  
1,3-Dichlorobenzene  
Concen: 50.815 ug/l  
RT: 13.386 min Scan# 11  
Delta R.T. 0.013 min  
Lab File: VY017029.D  
Acq: 18 Jan 2024 10:08

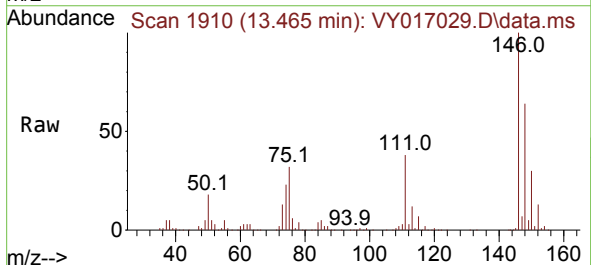
Instrument :  
MSVOA\_Y  
ClientSampleId :



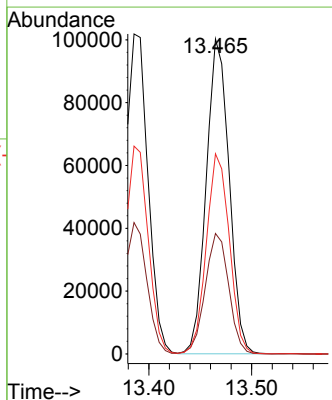
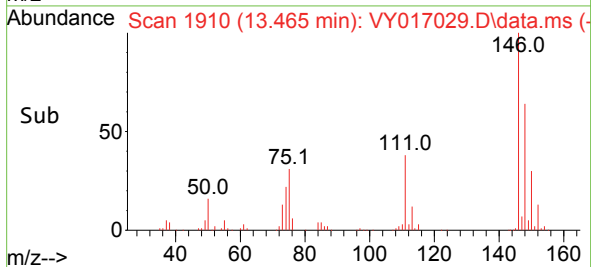
Tgt Ion:146 Resp: 160066  
Ion Ratio Lower Upper  
146 100  
111 40.1 20.2 60.5  
148 64.6 31.9 95.9

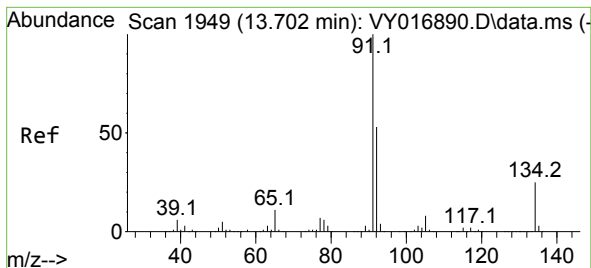


#88  
1,4-Dichlorobenzene  
Concen: 50.310 ug/l  
RT: 13.465 min Scan# 1910  
Delta R.T. 0.013 min  
Lab File: VY017029.D  
Acq: 18 Jan 2024 10:08



Tgt Ion:146 Resp: 155000  
Ion Ratio Lower Upper  
146 100  
111 39.4 19.3 57.9  
148 63.8 31.6 94.7





#89

n-Butylbenzene

Concen: 55.715 ug/l

RT: 13.715 min Scan# 1951

Delta R.T. 0.013 min

Lab File: VY017029.D

Acq: 18 Jan 2024 10:08

Instrument :

MSVOA\_Y

ClientSampleId :

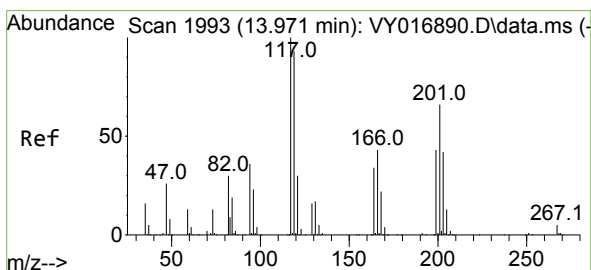
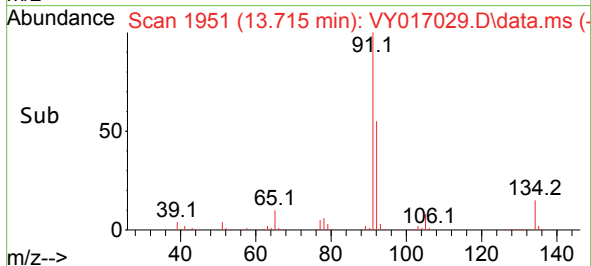
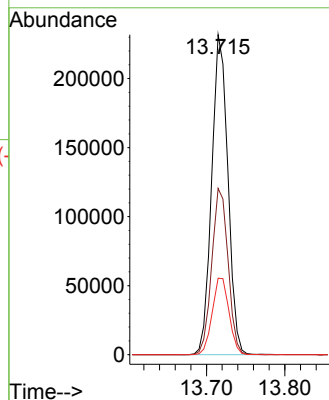
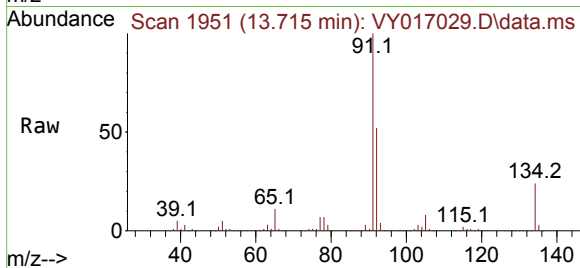
Tgt Ion: 91 Resp: 332888

Ion Ratio Lower Upper

91 100

92 52.3 26.4 79.2

134 24.8 12.3 36.8



#90

Hexachloroethane

Concen: 50.910 ug/l

RT: 13.983 min Scan# 1995

Delta R.T. 0.012 min

Lab File: VY017029.D

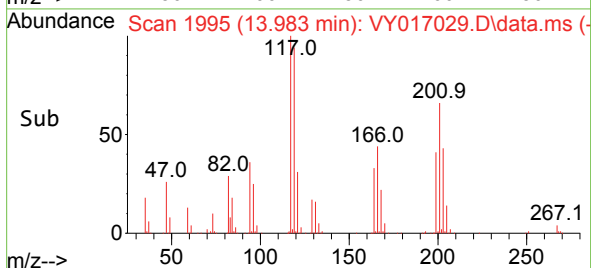
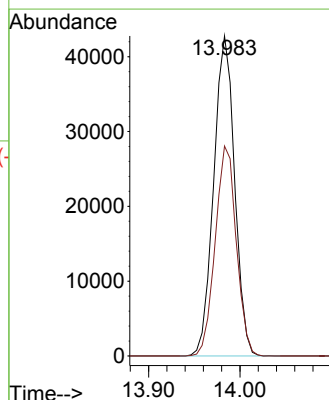
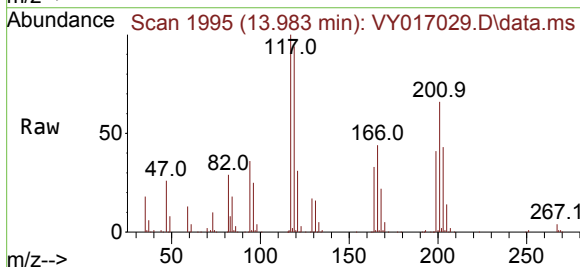
Acq: 18 Jan 2024 10:08

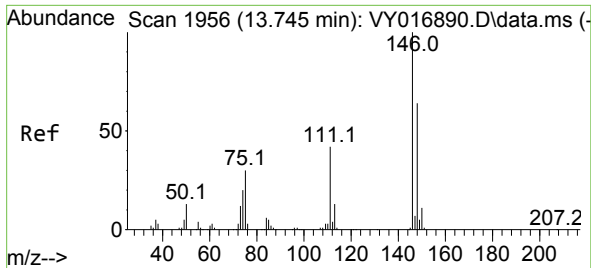
Tgt Ion: 117 Resp: 67982

Ion Ratio Lower Upper

117 100

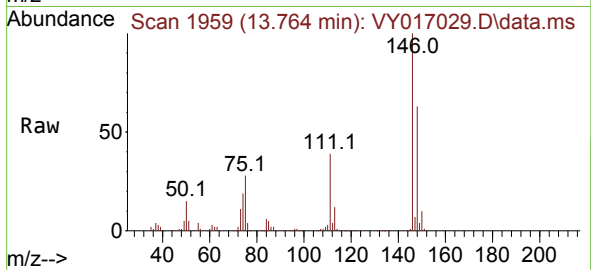
201 66.2 33.4 100.1



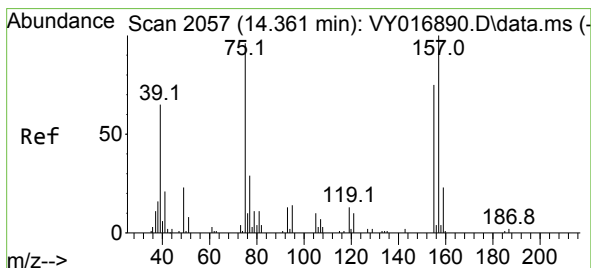
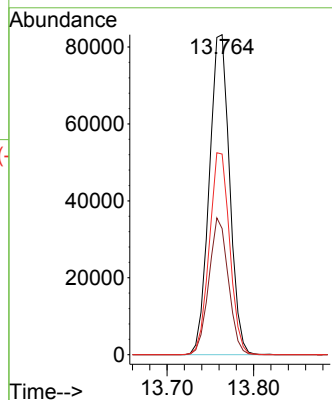
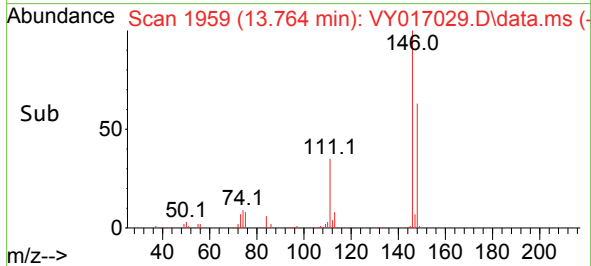


#91  
1,2-Dichlorobenzene  
Concen: 49.800 ug/l  
RT: 13.764 min Scan# 1956  
Delta R.T. 0.013 min  
Lab File: VY017029.D  
Acq: 18 Jan 2024 10:08

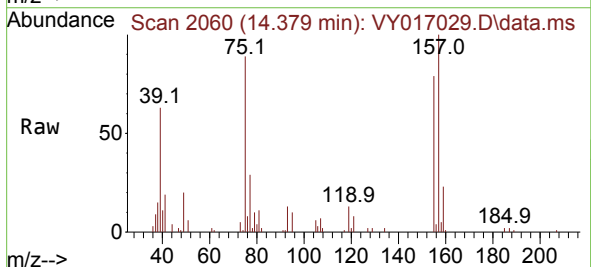
Instrument :  
MSVOA\_Y  
ClientSampleId :



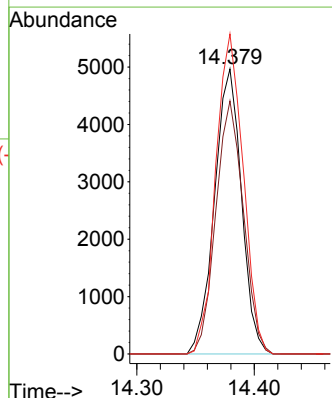
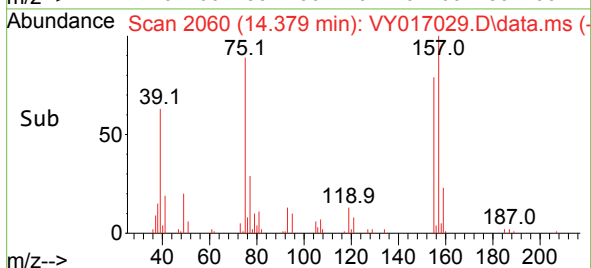
Tgt Ion:146 Resp: 135566  
Ion Ratio Lower Upper  
146 100  
111 41.0 20.5 61.6  
148 63.2 31.4 94.3

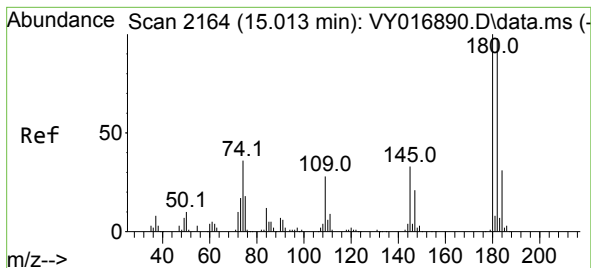


#92  
1,2-Dibromo-3-Chloropropane  
Concen: 42.609 ug/l  
RT: 14.379 min Scan# 2060  
Delta R.T. 0.012 min  
Lab File: VY017029.D  
Acq: 18 Jan 2024 10:08



Tgt Ion: 75 Resp: 7942  
Ion Ratio Lower Upper  
75 100  
155 90.3 42.1 126.3  
157 113.8 55.8 167.4





#93

1,2,4-Trichlorobenzene

Concen: 53.062 ug/l

RT: 15.032 min Scan# 2167

Delta R.T. 0.013 min

Lab File: VY017029.D

Acq: 18 Jan 2024 10:08

Instrument :

MSVOA\_Y

ClientSampleId :

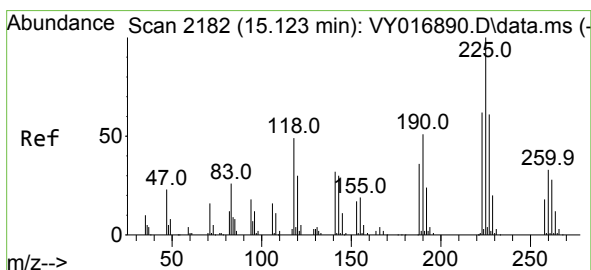
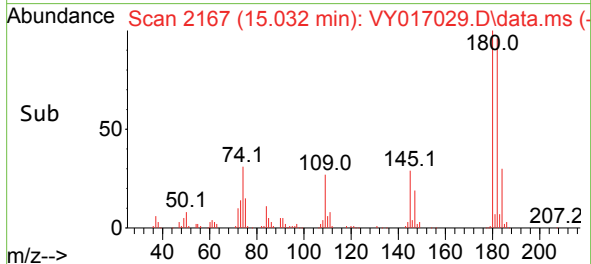
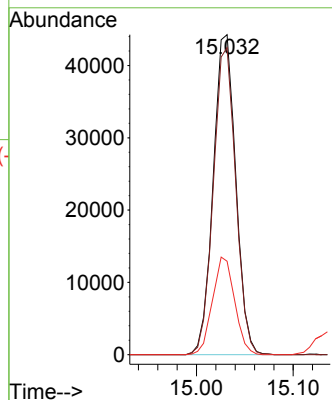
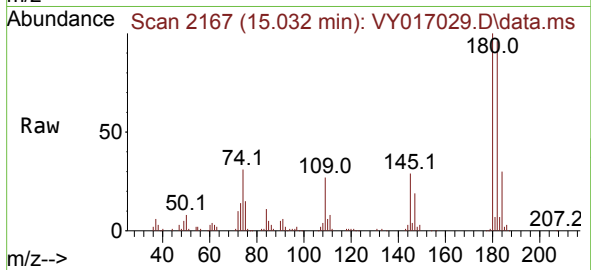
Tgt Ion:180 Resp: 71728

Ion Ratio Lower Upper

180 100

182 95.2 47.9 143.7

145 30.0 15.9 47.7



#94

Hexachlorobutadiene

Concen: 51.728 ug/l

RT: 15.135 min Scan# 2184

Delta R.T. 0.012 min

Lab File: VY017029.D

Acq: 18 Jan 2024 10:08

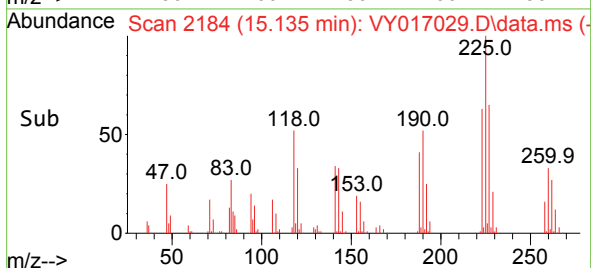
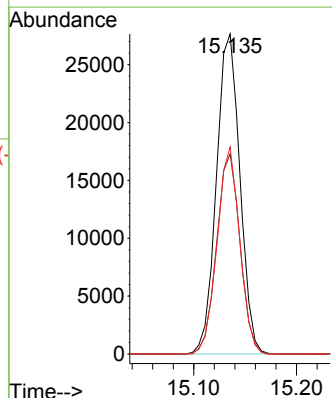
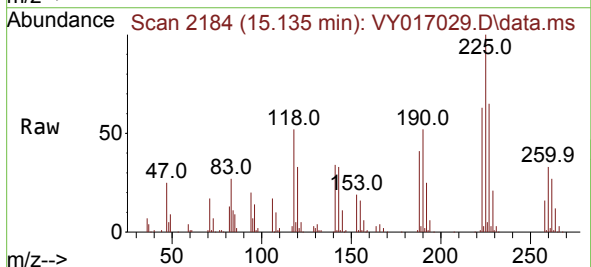
Tgt Ion:225 Resp: 43804

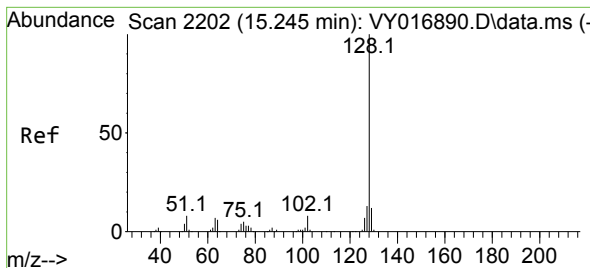
Ion Ratio Lower Upper

225 100

223 62.2 31.4 94.3

227 62.2 32.3 96.8





#95

Naphthalene

Concen: 51.367 ug/l

RT: 15.257 min Scan# 2204

Delta R.T. 0.012 min

Lab File: VY017029.D

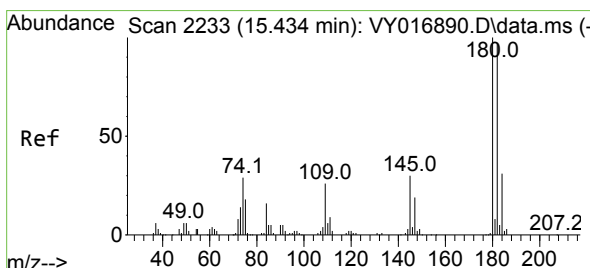
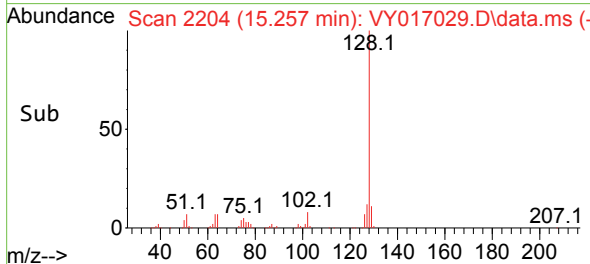
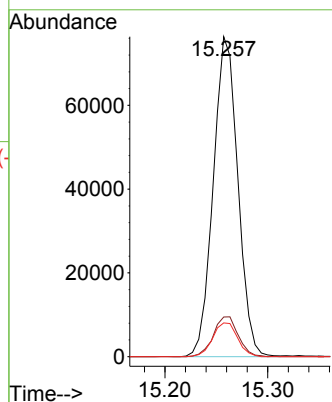
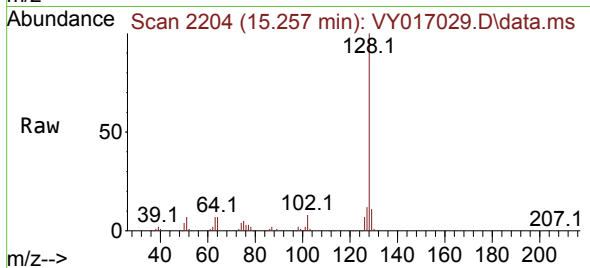
Acq: 18 Jan 2024 10:08

Instrument :

MSVOA\_Y

ClientSampleId :

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:128 | Resp: | 127014    |
| Ion Ratio   | Lower | Upper     |
| 128         | 100   |           |
| 127         | 12.7  | 10.2 15.4 |
| 129         | 10.7  | 8.6 12.8  |



#96

1,2,3-Trichlorobenzene

Concen: 51.488 ug/l

RT: 15.446 min Scan# 2235

Delta R.T. 0.012 min

Lab File: VY017029.D

Acq: 18 Jan 2024 10:08

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 59097      |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 93.9  | 46.3 138.8 |
| 145         | 32.1  | 16.1 48.2  |

