

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY031924\  
 Data File : VY017717.D  
 Acq On : 19 Mar 2024 19:16  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.05g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: Mar 20 03:05:59 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y022324S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Feb 24 04:41:20 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.795  | 168  | 136193   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.697  | 114  | 225321   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.502 | 117  | 205227   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.440 | 152  | 96144    | 50.000 | ug/l  | 0.01     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.149  | 65    | 61076    | 47.318   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 94.640% |
| 35) Dibromofluoromethane    | 7.722  | 113   | 69151    | 44.042   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 88.080% |
| 50) Toluene-d8              | 10.191 | 98    | 263115   | 47.929   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 95.860% |
| 62) 4-Bromofluorobenzene    | 12.489 | 95    | 85777    | 49.718   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 99.440% |

|                              |       |     |        |         |        |     |
|------------------------------|-------|-----|--------|---------|--------|-----|
| Target Compounds             |       |     |        |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.906 | 85  | 43925  | 43.722  | ug/l   | 98  |
| 3) Chloromethane             | 2.119 | 50  | 79986  | 43.575  | ug/l   | 97  |
| 4) Vinyl Chloride            | 2.253 | 62  | 104032 | 44.177  | ug/l   | 99  |
| 5) Bromomethane              | 2.656 | 94  | 88718  | 46.230  | ug/l   | 95  |
| 6) Chloroethane              | 2.796 | 64  | 72518  | 48.815  | ug/l   | 98  |
| 7) Trichlorofluoromethane    | 3.131 | 101 | 99910  | 41.628  | ug/l   | 93  |
| 8) Diethyl Ether             | 3.534 | 74  | 34519  | 49.037  | ug/l   | 97  |
| 9) 1,1,2-Trichlorotrifluo... | 3.906 | 101 | 63533  | 46.021  | ug/l   | 100 |
| 10) Methyl Iodide            | 4.101 | 142 | 77975  | 50.329  | ug/l   | 100 |
| 11) Tert butyl alcohol       | 4.954 | 59  | 20916  | 190.769 | ug/l # | 81  |
| 12) 1,1-Dichloroethene       | 3.881 | 96  | 61529  | 47.824  | ug/l   | 99  |
| 13) Acrolein                 | 3.729 | 56  | 20944  | 144.774 | ug/l   | 98  |
| 14) Allyl chloride           | 4.485 | 41  | 77445  | 49.818  | ug/l   | 96  |
| 15) Acrylonitrile            | 5.167 | 53  | 75724  | 261.680 | ug/l   | 100 |
| 16) Acetone                  | 3.954 | 43  | 56477  | 225.591 | ug/l   | 98  |
| 17) Carbon Disulfide         | 4.204 | 76  | 187881 | 48.652  | ug/l   | 98  |
| 18) Methyl Acetate           | 4.485 | 43  | 33823  | 55.688  | ug/l   | 98  |
| 19) Methyl tert-butyl Ether  | 5.228 | 73  | 154036 | 51.367  | ug/l   | 99  |
| 20) Methylene Chloride       | 4.722 | 84  | 77771  | 53.228  | ug/l   | 97  |
| 21) trans-1,2-Dichloroethene | 5.235 | 96  | 75243  | 49.949  | ug/l   | 94  |
| 22) Diisopropyl ether        | 6.125 | 45  | 187019 | 52.134  | ug/l   | 97  |
| 23) Vinyl Acetate            | 6.070 | 43  | 553929 | 259.134 | ug/l   | 100 |
| 24) 1,1-Dichloroethane       | 6.027 | 63  | 124318 | 50.726  | ug/l   | 99  |
| 25) 2-Butanone               | 6.996 | 43  | 87416  | 245.012 | ug/l   | 96  |
| 26) 2,2-Dichloropropane      | 6.990 | 77  | 96739  | 46.949  | ug/l   | 98  |
| 27) cis-1,2-Dichloroethene   | 6.996 | 96  | 85887  | 50.780  | ug/l   | 98  |
| 28) Bromochloromethane       | 7.344 | 49  | 43450  | 45.017  | ug/l   | 96  |
| 29) Tetrahydrofuran          | 7.356 | 42  | 57682  | 268.199 | ug/l   | 99  |
| 30) Chloroform               | 7.515 | 83  | 132990 | 50.969  | ug/l   | 99  |
| 31) Cyclohexane              | 7.795 | 56  | 97965  | 46.638  | ug/l   | 96  |
| 32) 1,1,1-Trichloroethane    | 7.710 | 97  | 109394 | 48.291  | ug/l   | 98  |
| 36) 1,1-Dichloropropene      | 7.929 | 75  | 97541  | 46.044  | ug/l   | 100 |
| 37) Ethyl Acetate            | 7.082 | 43  | 39287  | 46.955  | ug/l   | 98  |
| 38) Carbon Tetrachloride     | 7.911 | 117 | 97535  | 45.939  | ug/l   | 97  |
| 39) Methylcyclohexane        | 9.191 | 83  | 121703 | 47.804  | ug/l   | 97  |
| 40) Benzene                  | 8.173 | 78  | 299730 | 47.643  | ug/l   | 100 |

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 Sample : VSTDCCC050  
 Misc : 5.05g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: Mar 20 03:05:59 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y022324S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Feb 24 04:41:20 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.320  | 41   | 22168    | 52.798  | ug/l   | 92       |
| 42) 1,2-Dichloroethane        | 8.246  | 62   | 73470    | 47.865  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.283  | 43   | 72194    | 49.102  | ug/l   | 99       |
| 44) Trichloroethene           | 8.947  | 130  | 84547    | 46.626  | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 9.228  | 63   | 71617    | 47.848  | ug/l   | 99       |
| 46) Dibromomethane            | 9.313  | 93   | 42951    | 50.141  | ug/l   | 99       |
| 47) Bromodichloromethane      | 9.508  | 83   | 100412   | 48.278  | ug/l   | 100      |
| 48) Methyl methacrylate       | 9.301  | 41   | 34465    | 50.642  | ug/l   | 95       |
| 49) 1,4-Dioxane               | 9.307  | 88   | 9393     | 968.926 | ug/l # | 94       |
| 51) 4-Methyl-2-Pentanone      | 10.081 | 43   | 206246   | 251.692 | ug/l   | 99       |
| 52) Toluene                   | 10.252 | 92   | 190746   | 48.095  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.477 | 75   | 94450    | 48.925  | ug/l   | 94       |
| 54) cis-1,3-Dichloropropene   | 9.935  | 75   | 114193   | 48.681  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 10.654 | 97   | 58077    | 47.752  | ug/l   | 94       |
| 56) Ethyl methacrylate        | 10.520 | 69   | 70515    | 47.275  | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 10.801 | 76   | 97453    | 49.284  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.789  | 63   | 207074   | 295.056 | ug/l   | 98       |
| 59) 2-Hexanone                | 10.843 | 43   | 140728   | 250.025 | ug/l   | 98       |
| 60) Dibromochloromethane      | 10.996 | 129  | 71237    | 49.512  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.099 | 107  | 55483    | 49.504  | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.734 | 164  | 87530    | 44.436  | ug/l   | 99       |
| 65) Chlorobenzene             | 11.526 | 112  | 204469   | 46.939  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.599 | 131  | 75131    | 46.038  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.605 | 91   | 365408   | 47.831  | ug/l   | 97       |
| 68) m/p-Xylenes               | 11.715 | 106  | 283063   | 94.296  | ug/l   | 100      |
| 69) o-Xylene                  | 12.038 | 106  | 136352   | 48.960  | ug/l   | 99       |
| 70) Styrene                   | 12.057 | 104  | 225777   | 48.841  | ug/l   | 98       |
| 71) Bromoform                 | 12.221 | 173  | 43210    | 47.781  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.337 | 105  | 348584   | 48.802  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.154 | 43   | 63839    | 50.674  | ug/l # | 94       |
| 75) 1,1,2,2-Tetrachloroethane | 12.593 | 83   | 63856    | 52.060  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.642 | 75   | 77640    | 84.991  | ug/l # | 100      |
| 77) Bromobenzene              | 12.617 | 156  | 82499    | 47.693  | ug/l   | 97       |
| 78) n-propylbenzene           | 12.684 | 91   | 416358   | 48.579  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 12.764 | 91   | 227413   | 47.392  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.825 | 105  | 281731   | 49.231  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.392 | 75   | 19797    | 49.796  | ug/l   | 97       |
| 82) 4-Chlorotoluene           | 12.861 | 91   | 231368   | 47.141  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 13.087 | 119  | 250131   | 49.776  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.129 | 105  | 277071   | 49.042  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.264 | 105  | 372635   | 48.502  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.379 | 119  | 306724   | 48.770  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.379 | 146  | 162095   | 46.686  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.459 | 146  | 156803   | 46.453  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.709 | 91   | 277796   | 48.412  | ug/l   | 100      |
| 90) Hexachloroethane          | 13.971 | 117  | 59852    | 47.468  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 13.751 | 146  | 138365   | 47.113  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.367 | 75   | 8332     | 48.319  | ug/l   | 95       |
| 93) 1,2,4-Trichlorobenzene    | 15.019 | 180  | 75386    | 48.597  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.123 | 225  | 41167    | 42.983  | ug/l   | 96       |
| 95) Naphthalene               | 15.245 | 128  | 143230   | 47.835  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.434 | 180  | 62932    | 47.289  | ug/l   | 98       |

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Sample : VSTDCCC050  
Misc : 5.05g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

Quant Time: Mar 20 03:05:59 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y022324S.M  
Quant Title : SW846 8260  
QLast Update : Sat Feb 24 04:41:20 2024  
Response via : Initial Calibration

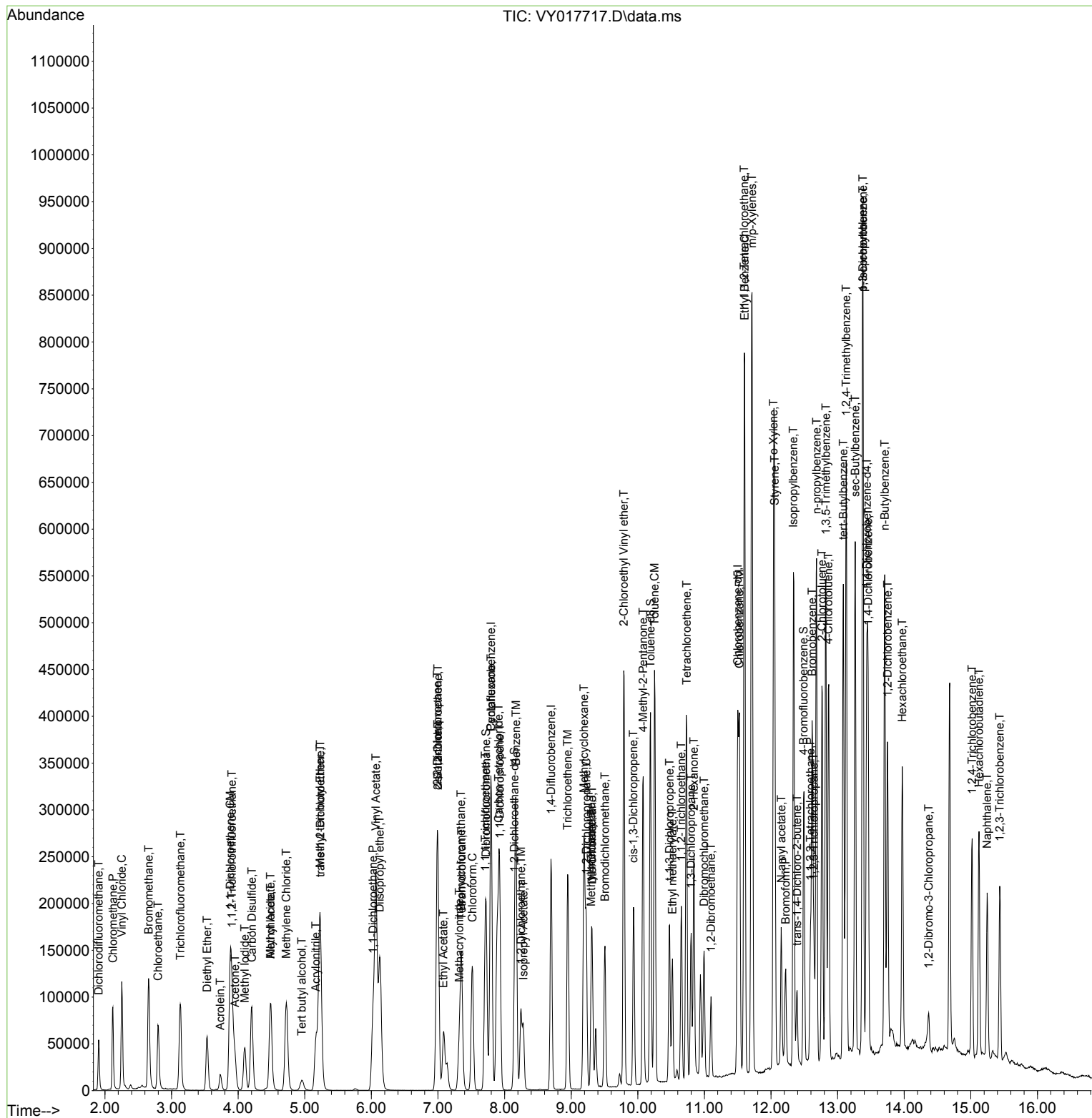
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

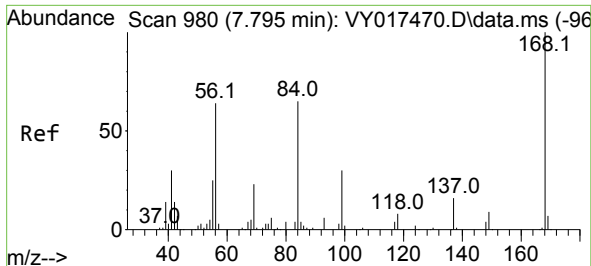
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Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY031924\  
 Data File : VY017717.D  
 Acq On : 19 Mar 2024 19:16  
 Operator : SY/MD  
 Sample : VSTDC050  
 Misc : 5.05g/5.0mL/MSVOA\_Y/soil/A  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDC050EC

Quant Time: Mar 20 03:05:59 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y022324S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Feb 24 04:41:20 2024  
 Response via : Initial Calibration

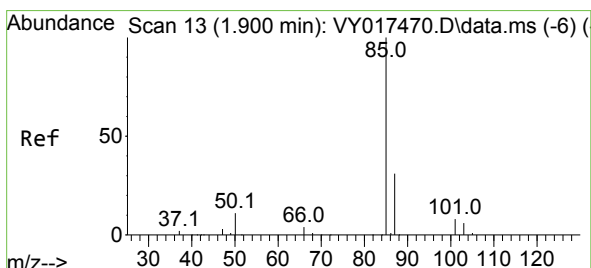
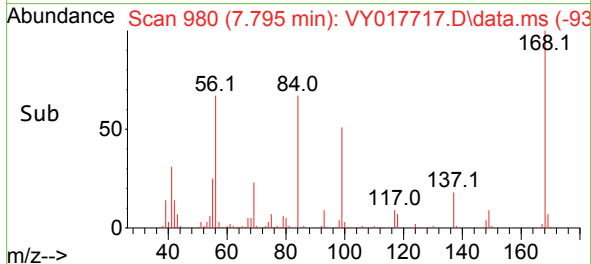
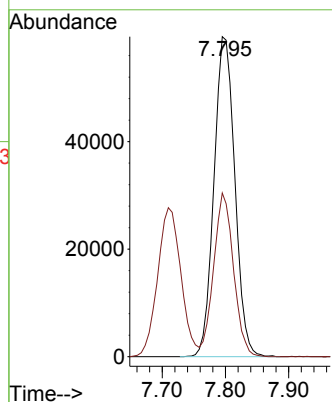
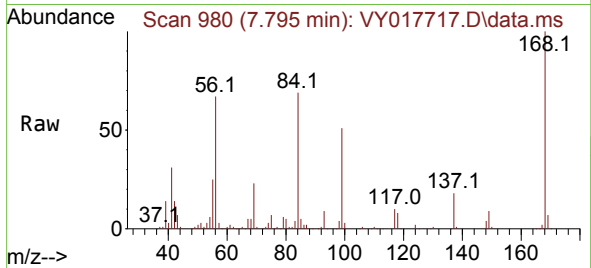




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY017717.D  
Acq: 19 Mar 2024 19:16

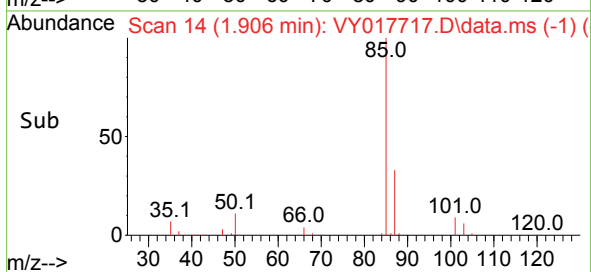
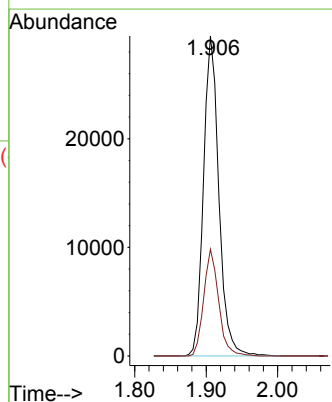
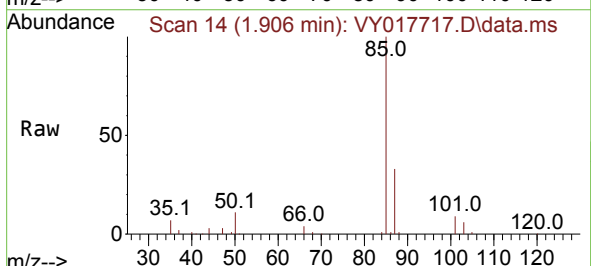
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

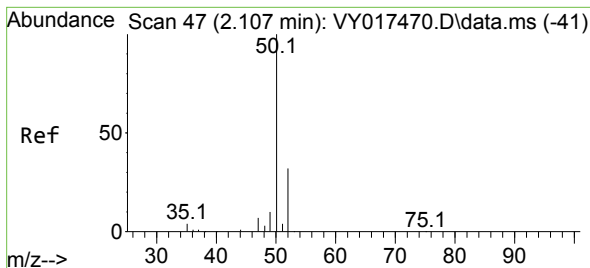
Tgt Ion:168 Resp: 136193  
Ion Ratio Lower Upper  
168 100  
99 51.1 39.1 58.7



#2  
Dichlorodifluoromethane  
Concen: 43.722 ug/l  
RT: 1.906 min Scan# 14  
Delta R.T. 0.006 min  
Lab File: VY017717.D  
Acq: 19 Mar 2024 19:16

Tgt Ion: 85 Resp: 43925  
Ion Ratio Lower Upper  
85 100  
87 33.4 16.0 48.0





#3

Chloromethane

Concen: 43.575 ug/l

RT: 2.119 min Scan# 49

Delta R.T. 0.012 min

Lab File: VY017717.D

Acq: 19 Mar 2024 19:16

Instrument :

MSVOA\_Y

ClientSampleId :

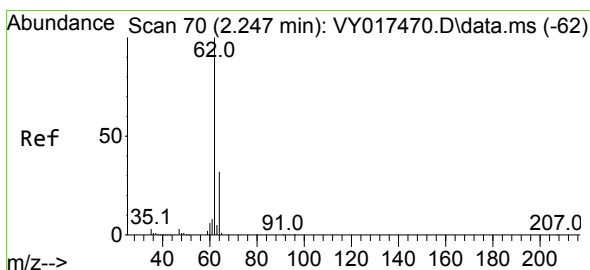
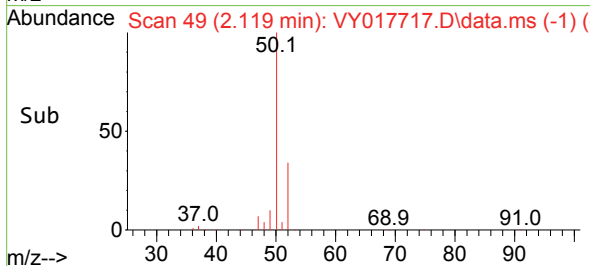
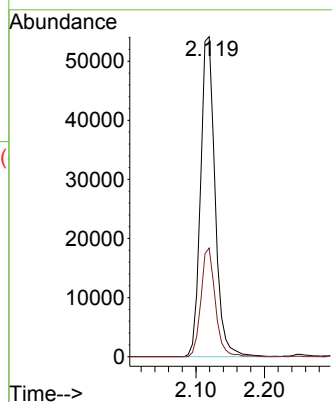
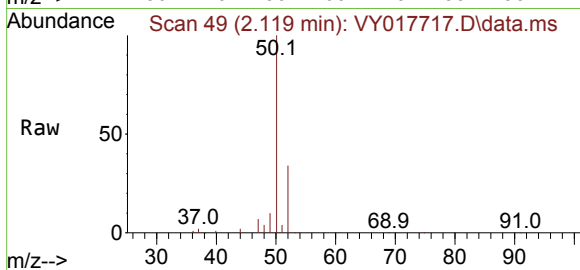
VSTDCCC050EC

Tgt Ion: 50 Resp: 79986

Ion Ratio Lower Upper

50 100

52 33.9 25.6 38.4



#4

Vinyl Chloride

Concen: 44.177 ug/l

RT: 2.253 min Scan# 71

Delta R.T. 0.006 min

Lab File: VY017717.D

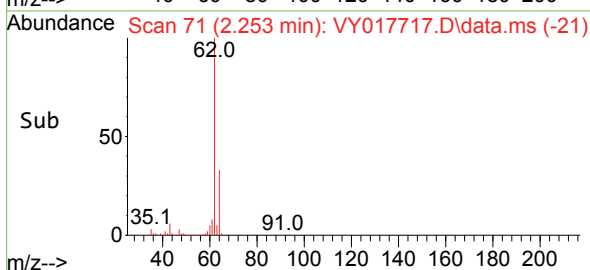
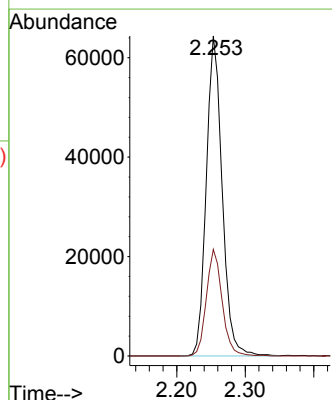
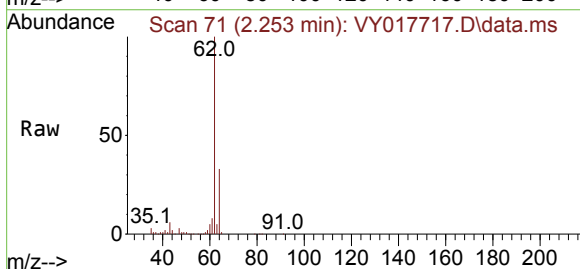
Acq: 19 Mar 2024 19:16

Tgt Ion: 62 Resp: 104032

Ion Ratio Lower Upper

62 100

64 33.3 26.1 39.1

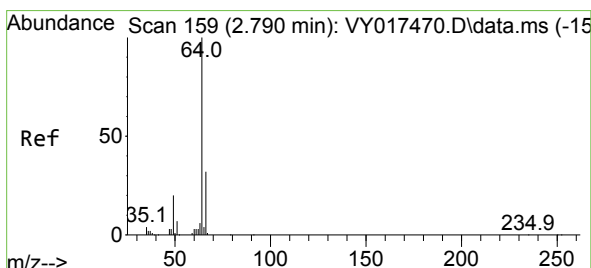
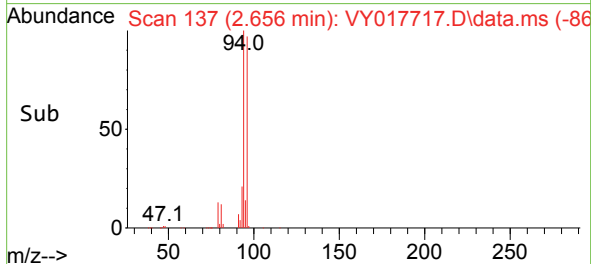
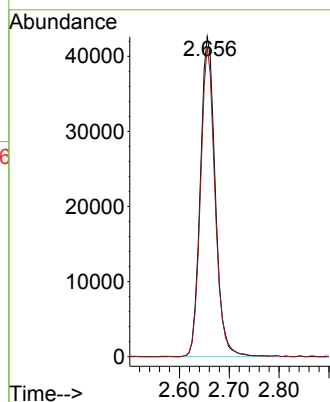
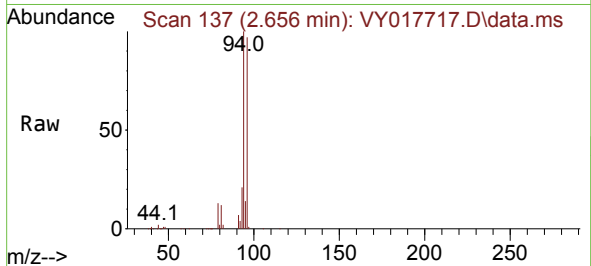




#5  
Bromomethane  
Concen: 46.230 ug/l  
RT: 2.656 min Scan# 11  
Delta R.T. 0.012 min  
Lab File: VY017717.D  
Acq: 19 Mar 2024 19:16

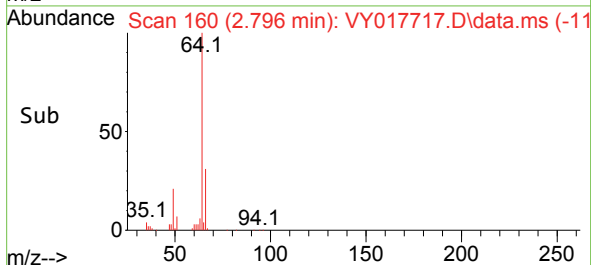
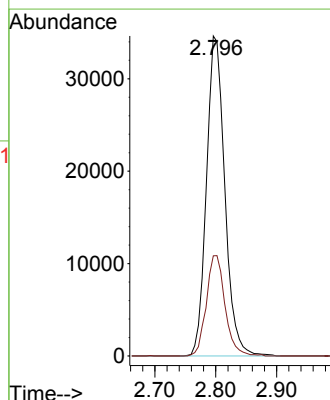
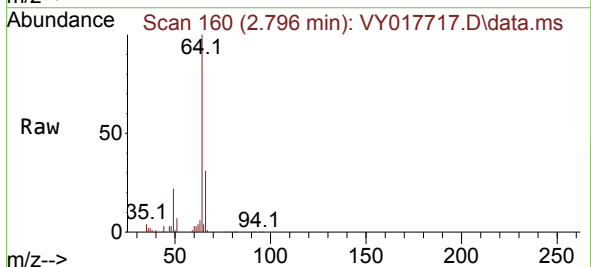
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 94 Resp: 88718  
Ion Ratio Lower Upper  
94 100  
96 97.0 74.1 111.1



#6  
Chloroethane  
Concen: 48.815 ug/l  
RT: 2.796 min Scan# 160  
Delta R.T. 0.006 min  
Lab File: VY017717.D  
Acq: 19 Mar 2024 19:16

Tgt Ion: 64 Resp: 72518  
Ion Ratio Lower Upper  
64 100  
66 31.3 26.1 39.1

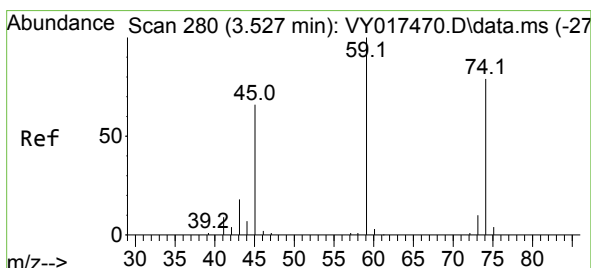
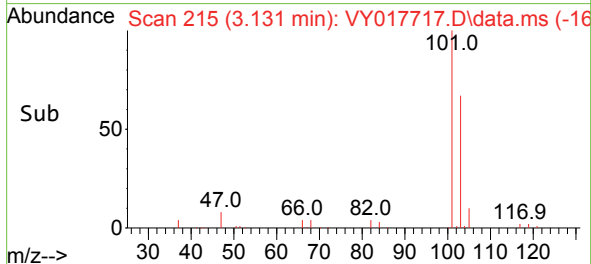
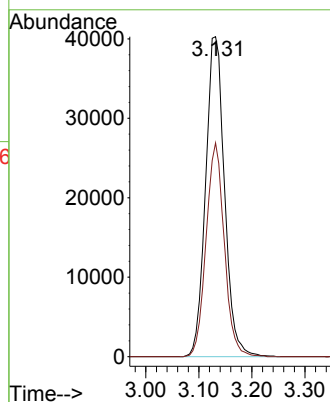
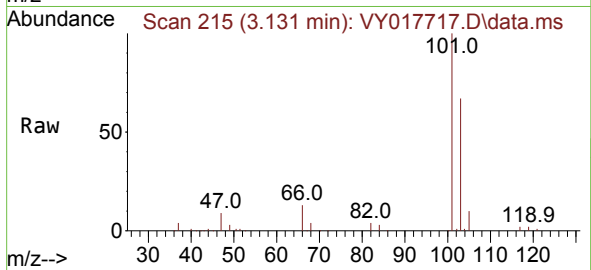




#7  
 Trichlorofluoromethane  
 Concen: 41.628 ug/l  
 RT: 3.131 min Scan# 213  
 Delta R.T. 0.012 min  
 Lab File: VY017717.D  
 Acq: 19 Mar 2024 19:16

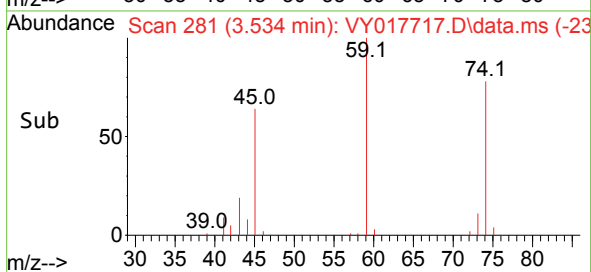
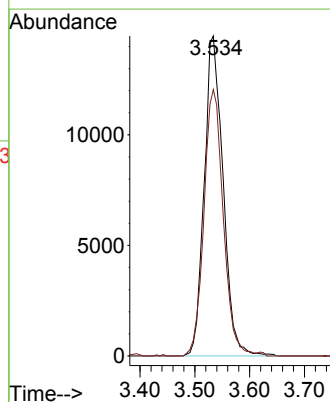
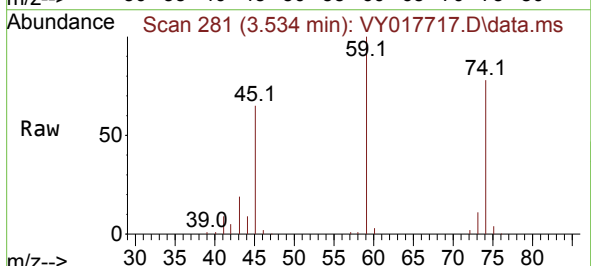
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

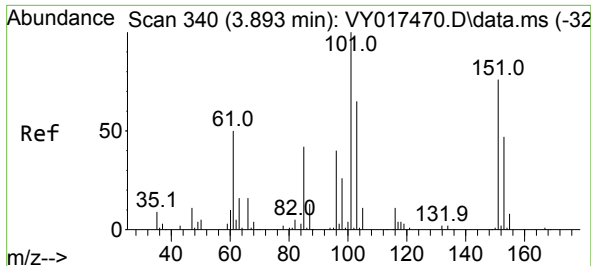
Tgt Ion:101 Resp: 99910  
 Ion Ratio Lower Upper  
 101 100  
 103 66.8 49.3 73.9



#8  
 Diethyl Ether  
 Concen: 49.037 ug/l  
 RT: 3.534 min Scan# 281  
 Delta R.T. 0.006 min  
 Lab File: VY017717.D  
 Acq: 19 Mar 2024 19:16

Tgt Ion: 74 Resp: 34519  
 Ion Ratio Lower Upper  
 74 100  
 45 85.7 41.3 124.1

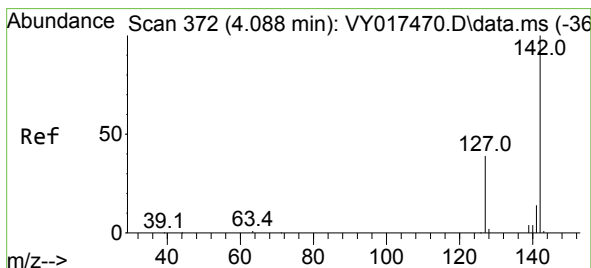
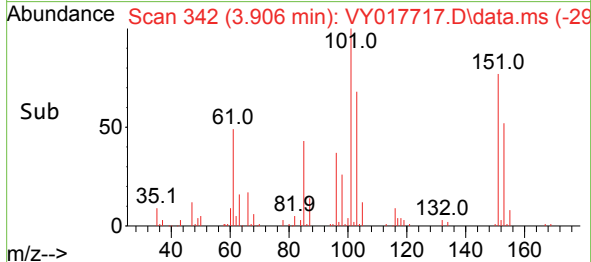
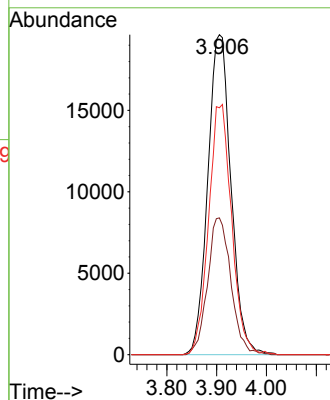
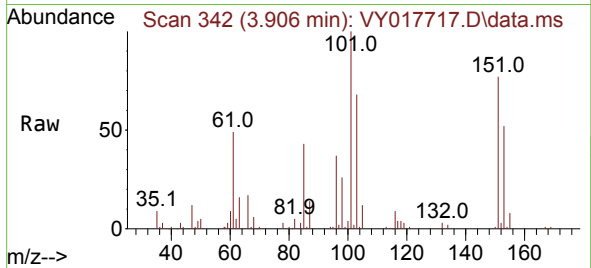




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 46.021 ug/l  
RT: 3.906 min Scan# 34  
Delta R.T. 0.012 min  
Lab File: VY017717.D  
Acq: 19 Mar 2024 19:16

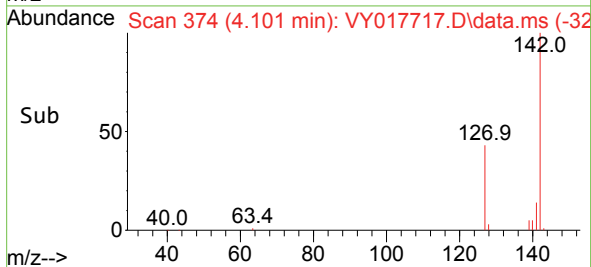
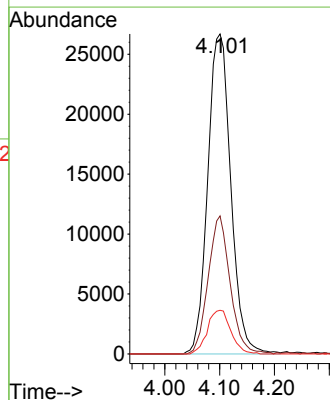
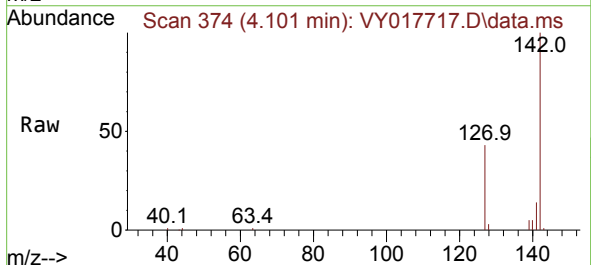
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

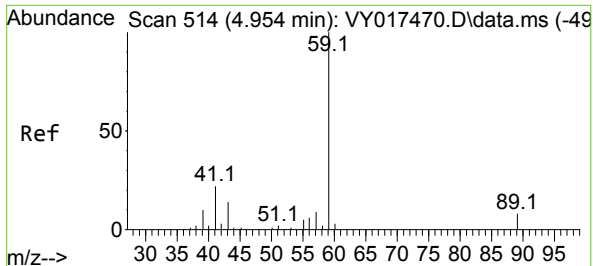
Tgt Ion:101 Resp: 63533  
Ion Ratio Lower Upper  
101 100  
85 43.0 34.5 51.7  
151 77.7 61.7 92.5



#10  
Methyl Iodide  
Concen: 50.329 ug/l  
RT: 4.101 min Scan# 374  
Delta R.T. 0.012 min  
Lab File: VY017717.D  
Acq: 19 Mar 2024 19:16

Tgt Ion:142 Resp: 77975  
Ion Ratio Lower Upper  
142 100  
127 41.0 32.8 49.2  
141 13.9 11.4 17.2

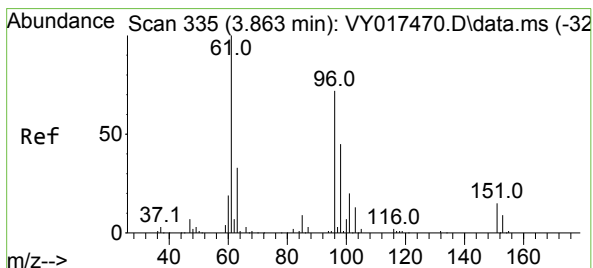
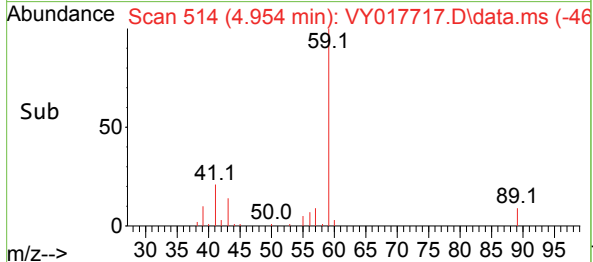
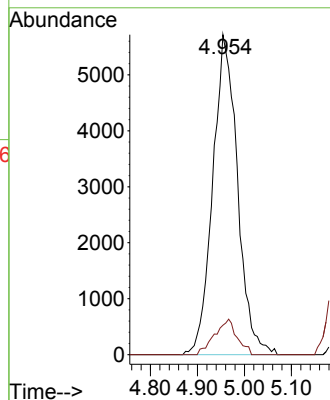
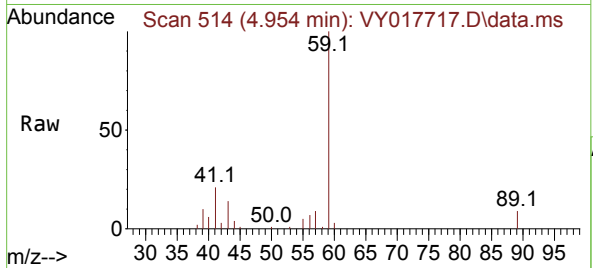




#11  
Tert butyl alcohol  
Concen: 190.769 ug/l  
RT: 4.954 min Scan# 514  
Delta R.T. 0.000 min  
Lab File: VY017717.D  
Acq: 19 Mar 2024 19:16

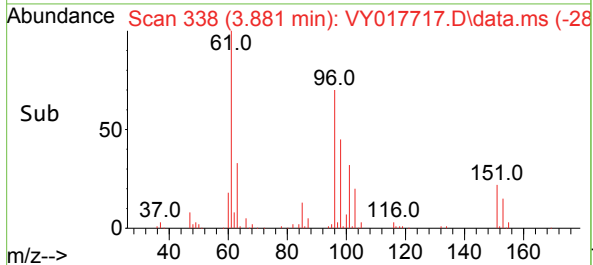
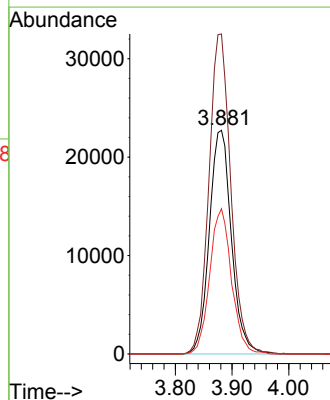
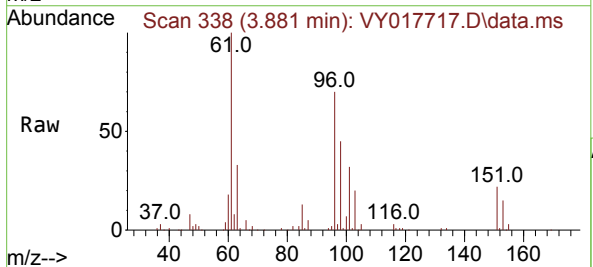
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

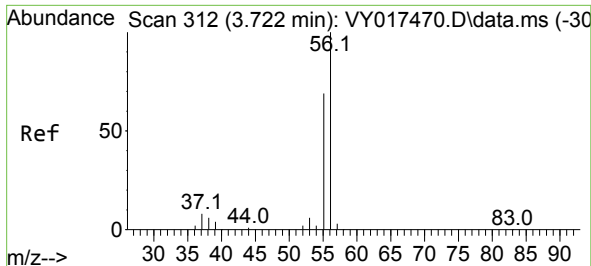
Tgt Ion: 59 Resp: 20916  
Ion Ratio Lower Upper  
59 100  
57 10.0 3.0 4.6#



#12  
1,1-Dichloroethene  
Concen: 47.824 ug/l  
RT: 3.881 min Scan# 338  
Delta R.T. 0.018 min  
Lab File: VY017717.D  
Acq: 19 Mar 2024 19:16

Tgt Ion: 96 Resp: 61529  
Ion Ratio Lower Upper  
96 100  
61 143.1 114.6 171.8  
98 64.9 50.8 76.2





#13

Acrolein

Concen: 144.774 ug/l

RT: 3.729 min Scan# 312

Delta R.T. 0.006 min

Lab File: VY017717.D

Acq: 19 Mar 2024 19:16

Instrument :

MSVOA\_Y

ClientSampleId :

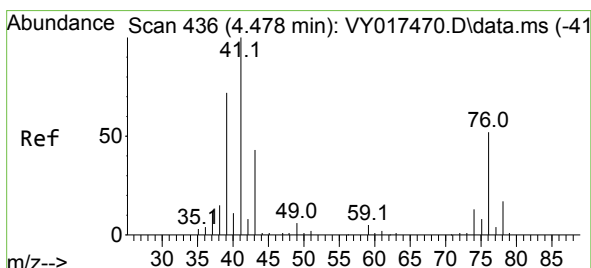
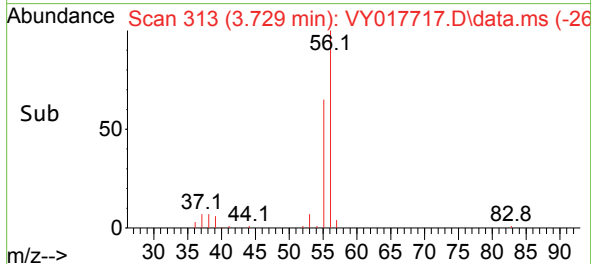
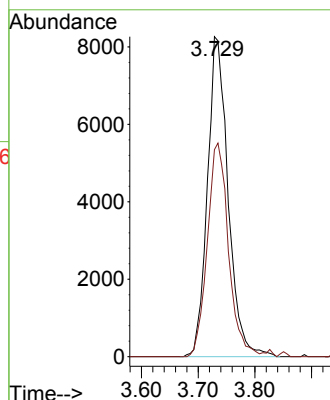
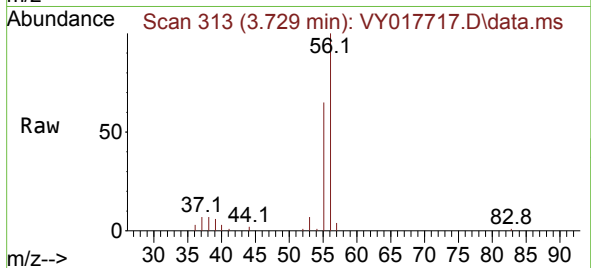
VSTDCCC050EC

Tgt Ion: 56 Resp: 20944

Ion Ratio Lower Upper

56 100

55 68.3 55.7 83.5



#14

Allyl chloride

Concen: 49.818 ug/l

RT: 4.485 min Scan# 437

Delta R.T. 0.006 min

Lab File: VY017717.D

Acq: 19 Mar 2024 19:16

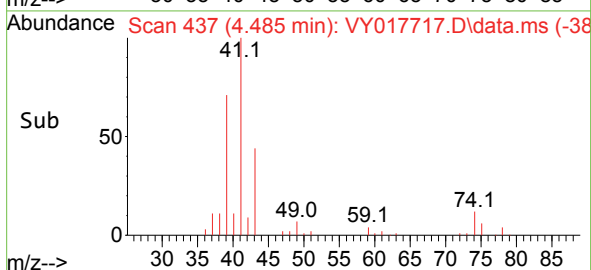
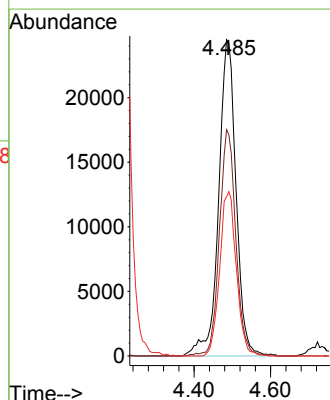
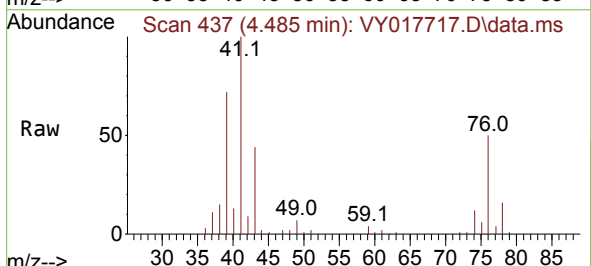
Tgt Ion: 41 Resp: 77445

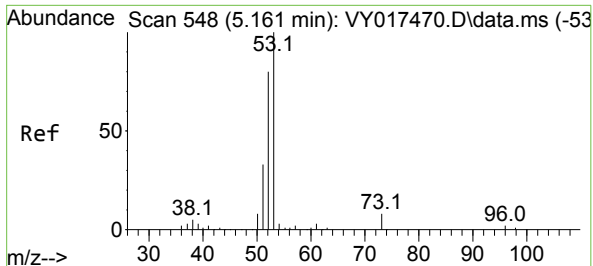
Ion Ratio Lower Upper

41 100

39 67.4 58.3 87.5

76 49.6 39.0 58.6





#15

Acrylonitrile

Concen: 261.680 ug/l

RT: 5.167 min Scan# 54

Delta R.T. 0.006 min

Lab File: VY017717.D

Acq: 19 Mar 2024 19:16

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

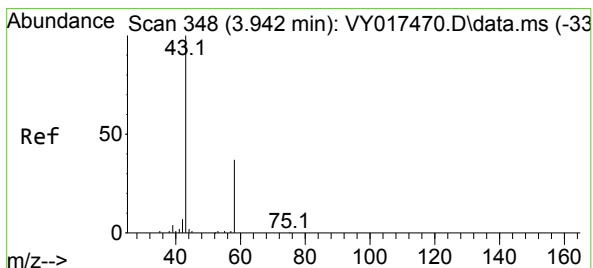
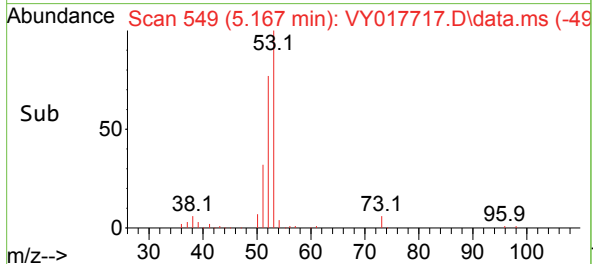
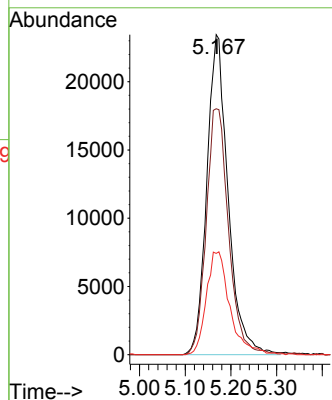
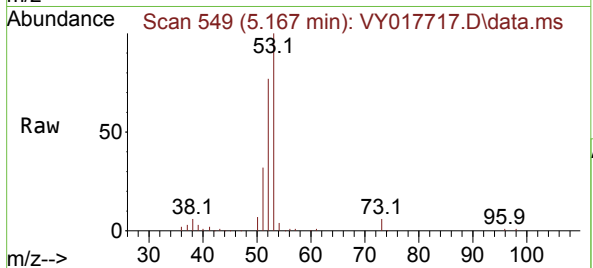
Tgt Ion: 53 Resp: 75724

Ion Ratio Lower Upper

53 100

52 80.6 64.7 97.1

51 35.7 28.4 42.6



#16

Acetone

Concen: 225.591 ug/l

RT: 3.954 min Scan# 350

Delta R.T. 0.012 min

Lab File: VY017717.D

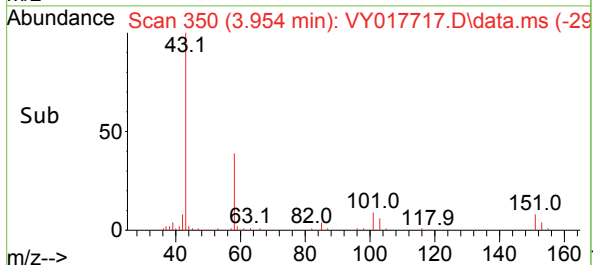
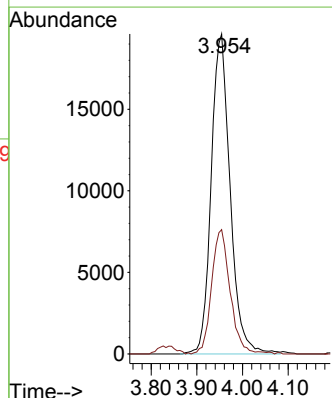
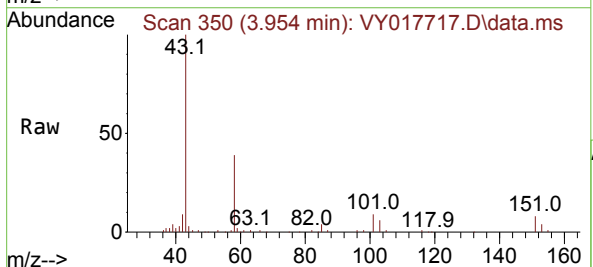
Acq: 19 Mar 2024 19:16

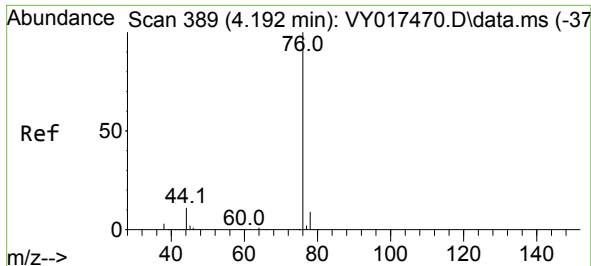
Tgt Ion: 43 Resp: 56477

Ion Ratio Lower Upper

43 100

58 38.4 31.7 47.5

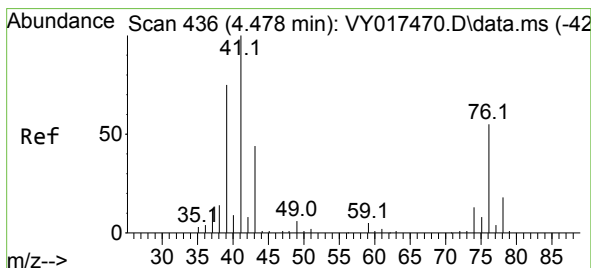
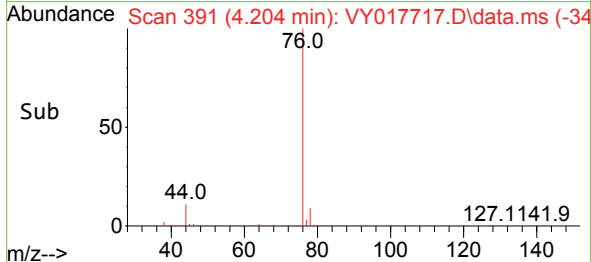
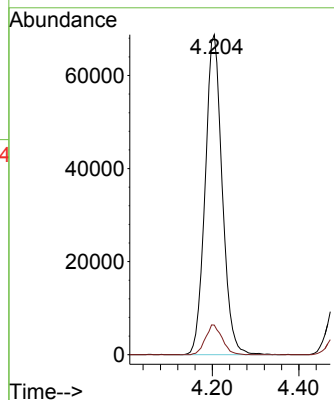
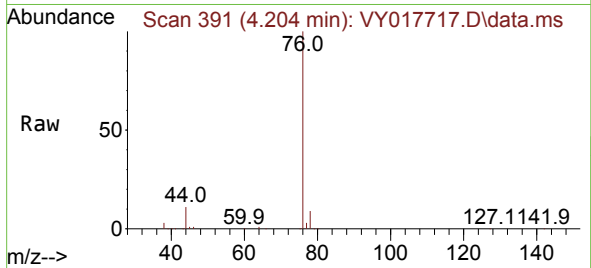




#17  
Carbon Disulfide  
Concen: 48.652 ug/l  
RT: 4.204 min Scan# 391  
Delta R.T. 0.012 min  
Lab File: VY017717.D  
Acq: 19 Mar 2024 19:16

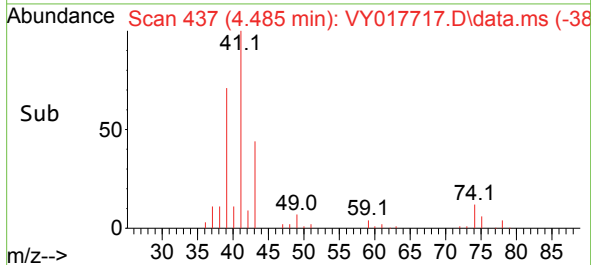
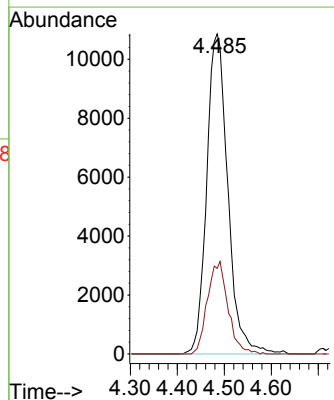
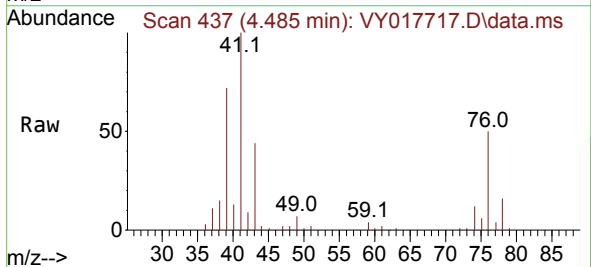
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 76 Resp: 187881  
Ion Ratio Lower Upper  
76 100  
78 9.2 6.8 10.2



#18  
Methyl Acetate  
Concen: 55.688 ug/l  
RT: 4.485 min Scan# 437  
Delta R.T. 0.006 min  
Lab File: VY017717.D  
Acq: 19 Mar 2024 19:16

Tgt Ion: 43 Resp: 33823  
Ion Ratio Lower Upper  
43 100  
74 28.2 23.3 34.9

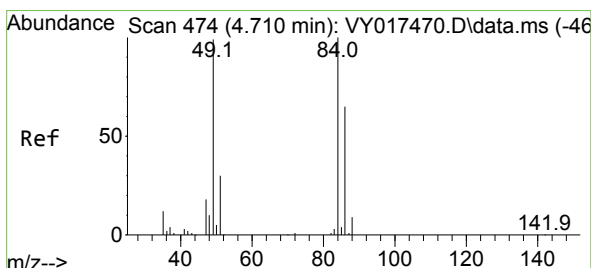
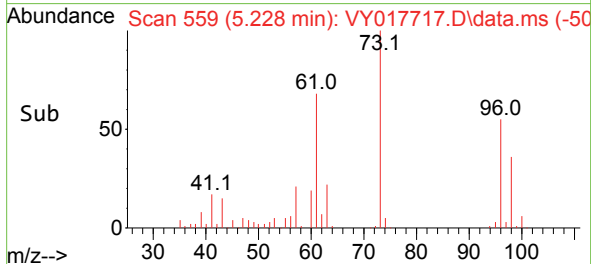
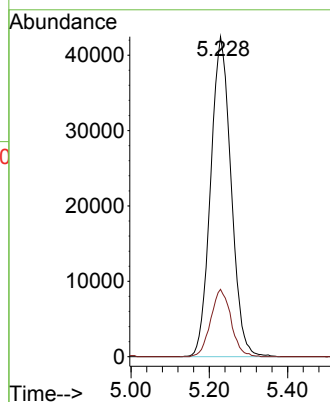
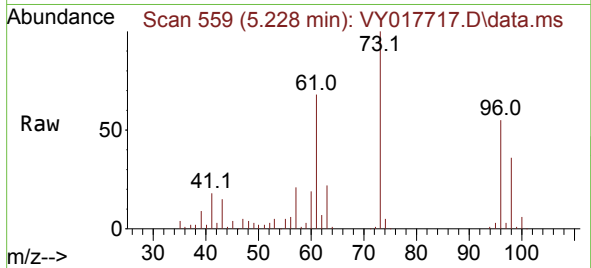




#19  
Methyl tert-butyl Ether  
Concen: 51.367 ug/l  
RT: 5.228 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VY017717.D  
Acq: 19 Mar 2024 19:16

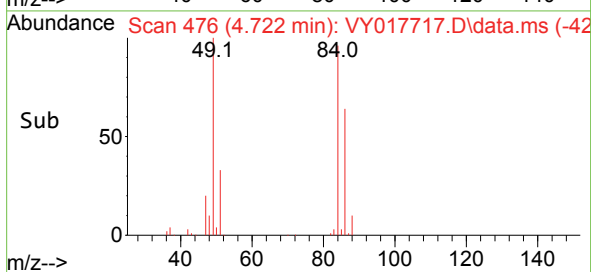
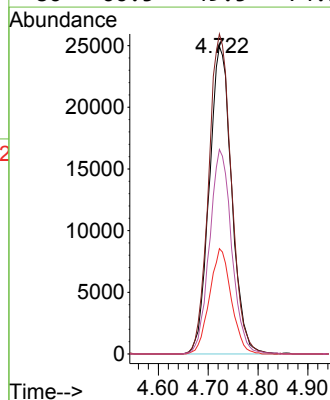
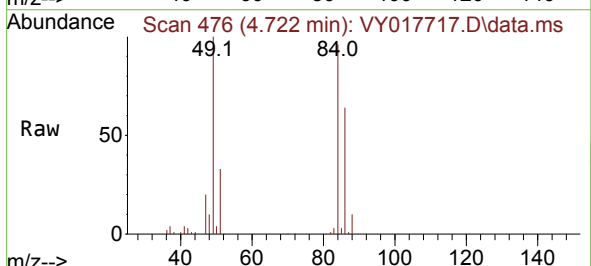
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

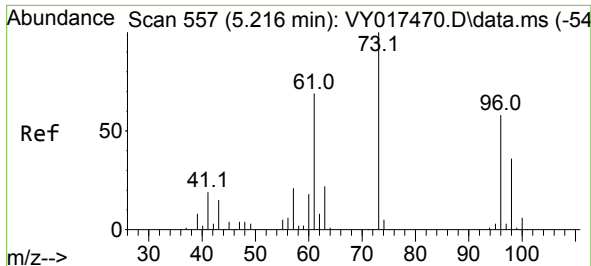
Tgt Ion: 73 Resp: 154036  
Ion Ratio Lower Upper  
73 100  
57 21.1 17.3 25.9



#20  
Methylene Chloride  
Concen: 53.228 ug/l  
RT: 4.722 min Scan# 476  
Delta R.T. 0.012 min  
Lab File: VY017717.D  
Acq: 19 Mar 2024 19:16

Tgt Ion: 84 Resp: 77771  
Ion Ratio Lower Upper  
84 100  
49 104.1 84.4 126.6  
51 34.3 26.0 39.0  
86 66.5 49.5 74.3

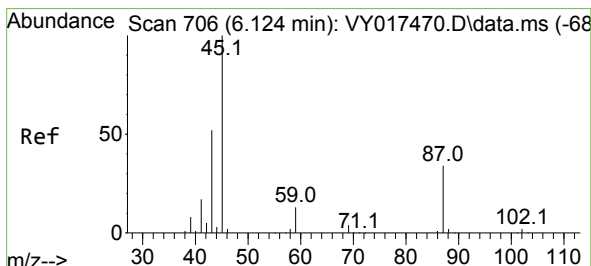
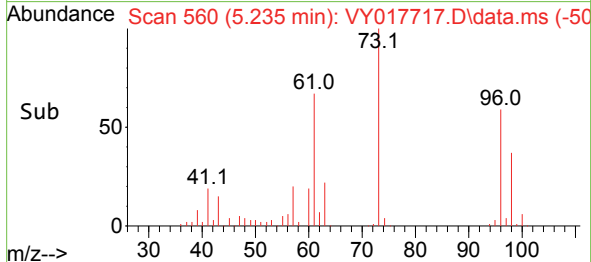
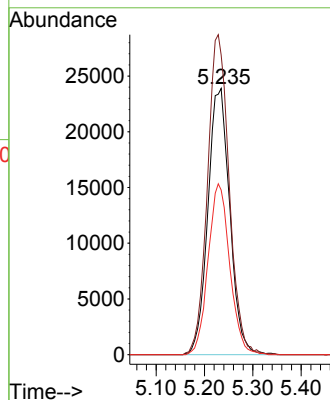
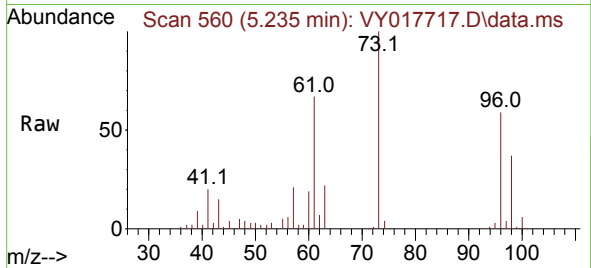




#21  
trans-1,2-Dichloroethene  
Concen: 49.949 ug/l  
RT: 5.235 min Scan# 50  
Delta R.T. 0.018 min  
Lab File: VY017717.D  
Acq: 19 Mar 2024 19:16

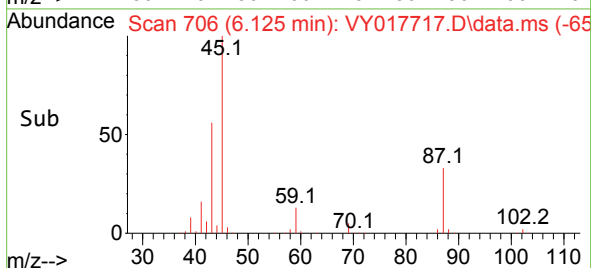
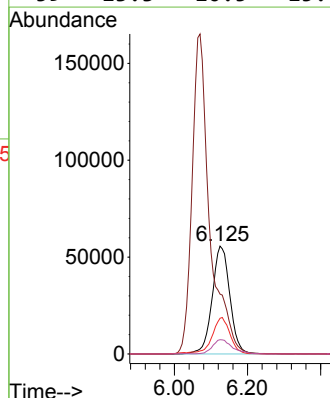
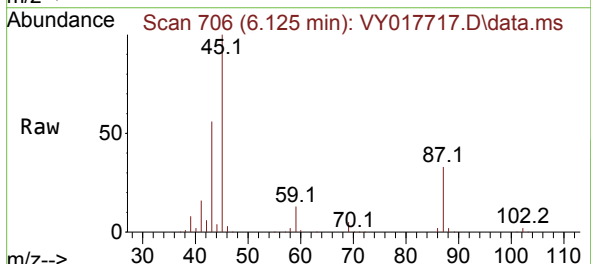
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

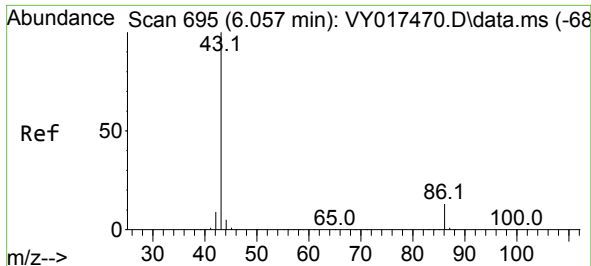
Tgt Ion: 96 Resp: 75243  
Ion Ratio Lower Upper  
96 100  
61 112.6 97.5 146.3  
98 61.9 50.5 75.7



#22  
Diisopropyl ether  
Concen: 52.134 ug/l  
RT: 6.125 min Scan# 706  
Delta R.T. 0.000 min  
Lab File: VY017717.D  
Acq: 19 Mar 2024 19:16

Tgt Ion: 45 Resp: 187019  
Ion Ratio Lower Upper  
45 100  
43 55.2 42.2 63.2  
87 33.2 25.0 37.6  
59 13.3 10.5 15.7

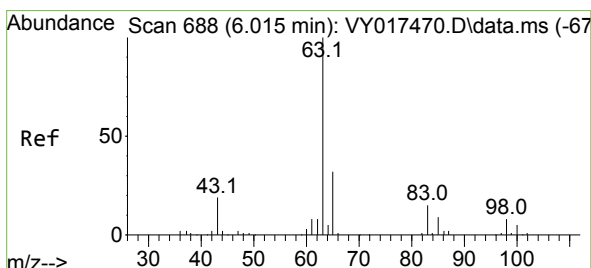
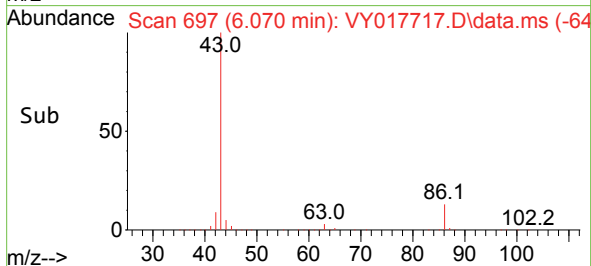
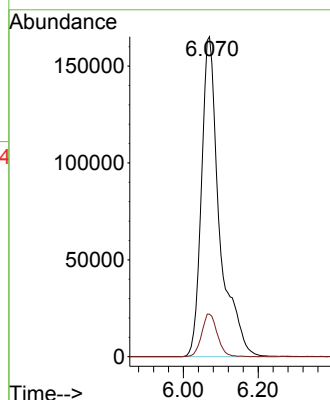
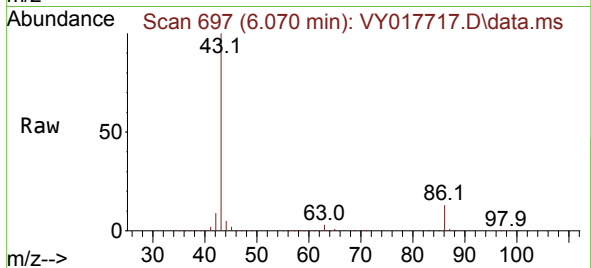




#23  
 Vinyl Acetate  
 Concen: 259.134 ug/l  
 RT: 6.070 min Scan# 61  
 Delta R.T. 0.012 min  
 Lab File: VY017717.D  
 Acq: 19 Mar 2024 19:16

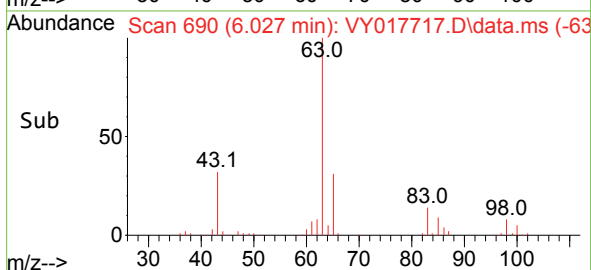
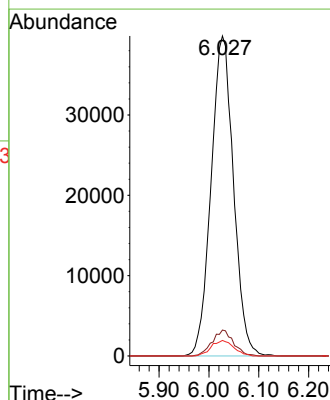
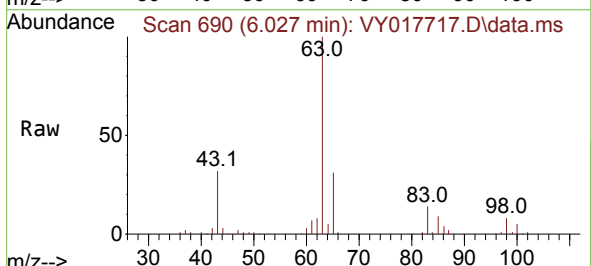
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

Tgt Ion: 43 Resp: 553929  
 Ion Ratio Lower Upper  
 43 100  
 86 13.3 10.6 16.0



#24  
 1,1-Dichloroethane  
 Concen: 50.726 ug/l  
 RT: 6.027 min Scan# 690  
 Delta R.T. 0.012 min  
 Lab File: VY017717.D  
 Acq: 19 Mar 2024 19:16

Tgt Ion: 63 Resp: 124318  
 Ion Ratio Lower Upper  
 63 100  
 98 8.1 4.0 12.2  
 100 4.8 2.6 8.0





#25

2-Butanone

Concen: 245.012 ug/l

RT: 6.996 min Scan# 847

Delta R.T. 0.012 min

Lab File: VY017717.D

Acq: 19 Mar 2024 19:16

Instrument :

MSVOA\_Y

ClientSampleId :

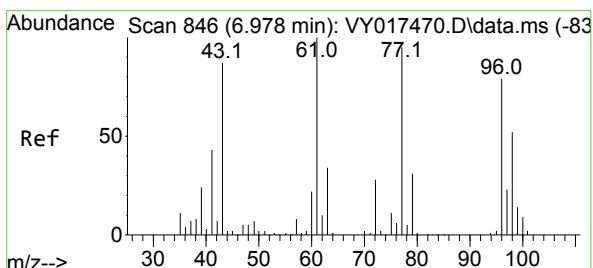
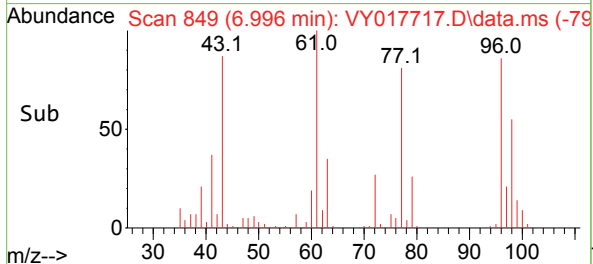
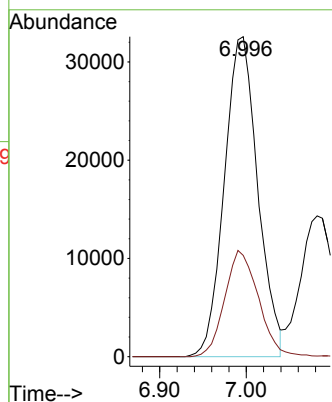
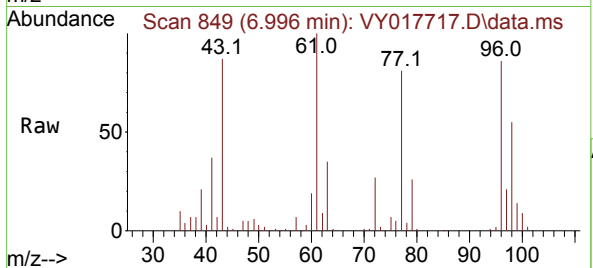
VSTDCCC050EC

Tgt Ion: 43 Resp: 87416

Ion Ratio Lower Upper

43 100

72 31.6 27.3 40.9



#26

2,2-Dichloropropane

Concen: 46.949 ug/l

RT: 6.990 min Scan# 848

Delta R.T. 0.012 min

Lab File: VY017717.D

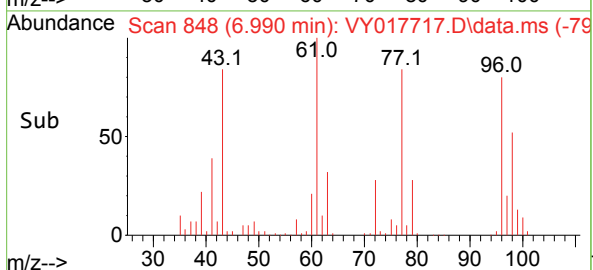
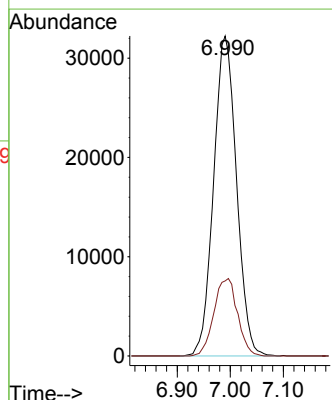
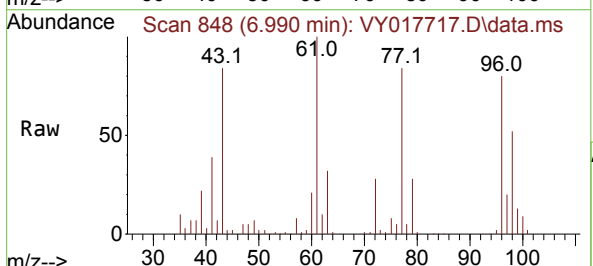
Acq: 19 Mar 2024 19:16

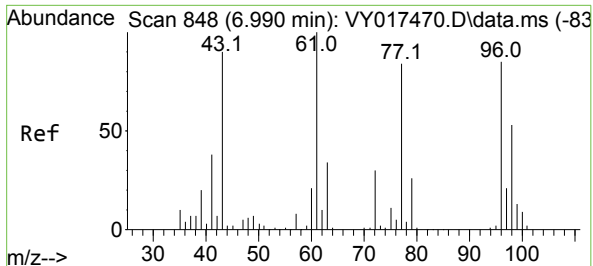
Tgt Ion: 77 Resp: 96739

Ion Ratio Lower Upper

77 100

97 24.9 12.0 36.1





#27

cis-1,2-Dichloroethene

Concen: 50.780 ug/l

RT: 6.996 min Scan# 848

Delta R.T. 0.006 min

Lab File: VY017717.D

Acq: 19 Mar 2024 19:16

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

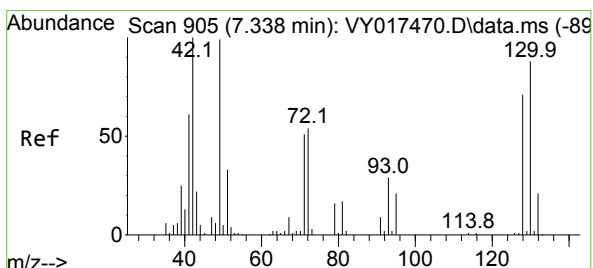
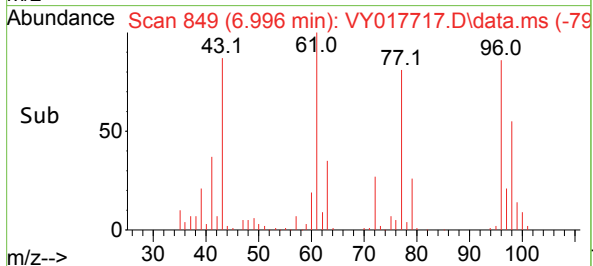
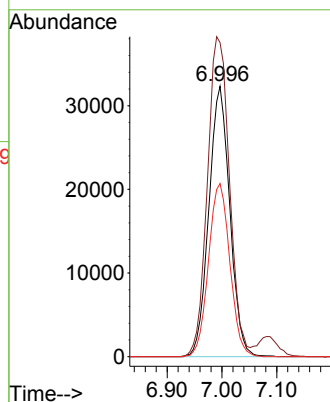
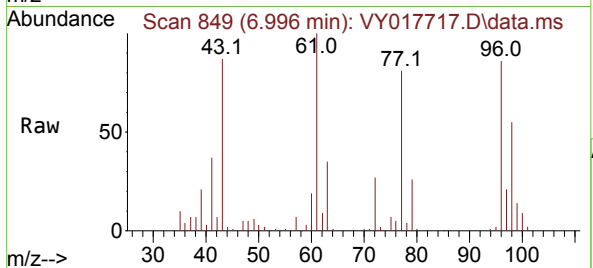
Tgt Ion: 96 Resp: 85887

Ion Ratio Lower Upper

96 100

61 124.6 0.0 256.2

98 65.1 0.0 130.0



#28

Bromochloromethane

Concen: 45.017 ug/l

RT: 7.344 min Scan# 906

Delta R.T. 0.006 min

Lab File: VY017717.D

Acq: 19 Mar 2024 19:16

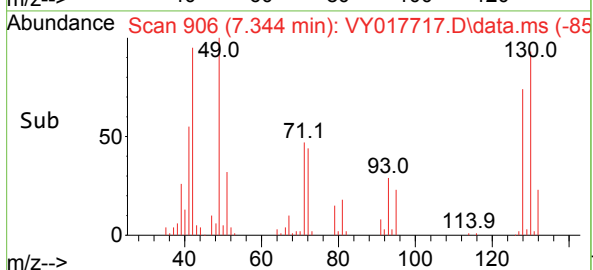
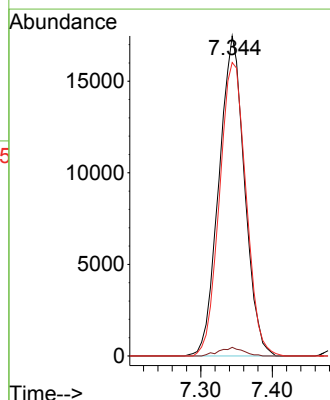
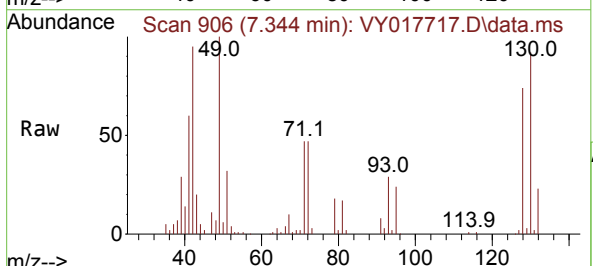
Tgt Ion: 49 Resp: 43450

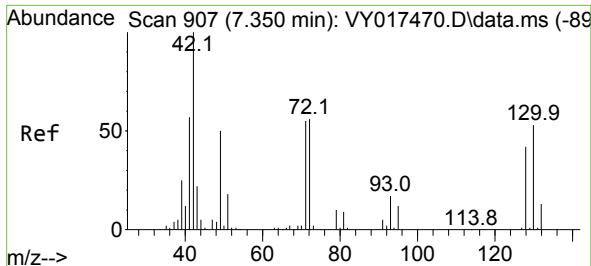
Ion Ratio Lower Upper

49 100

129 2.5 0.0 4.6

130 94.9 72.7 109.1





#29

Tetrahydrofuran

Concen: 268.199 ug/l

RT: 7.356 min Scan# 907

Delta R.T. 0.006 min

Lab File: VY017717.D

Acq: 19 Mar 2024 19:16

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

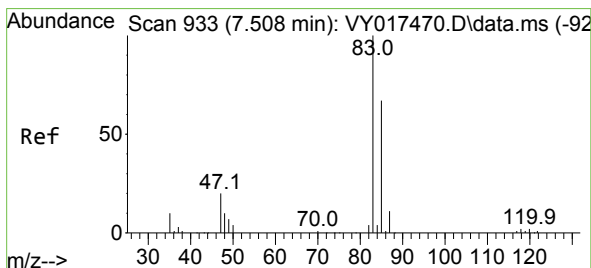
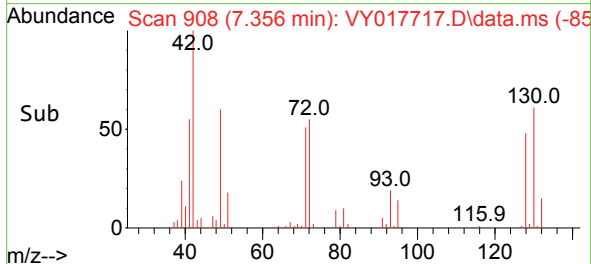
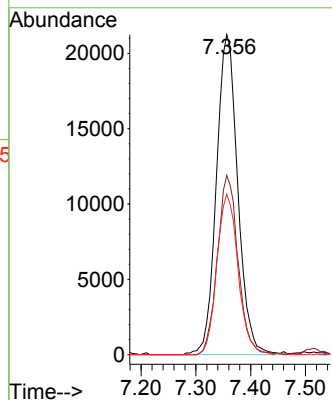
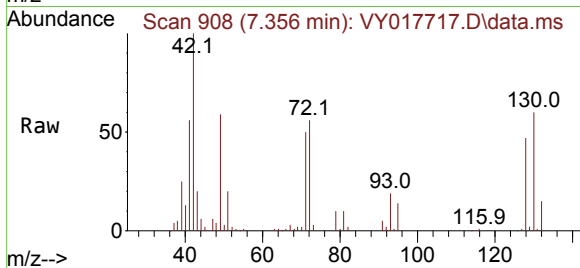
Tgt Ion: 42 Resp: 57682

Ion Ratio Lower Upper

42 100

72 54.2 43.0 64.4

71 49.6 40.8 61.2



#30

Chloroform

Concen: 50.969 ug/l

RT: 7.515 min Scan# 934

Delta R.T. 0.006 min

Lab File: VY017717.D

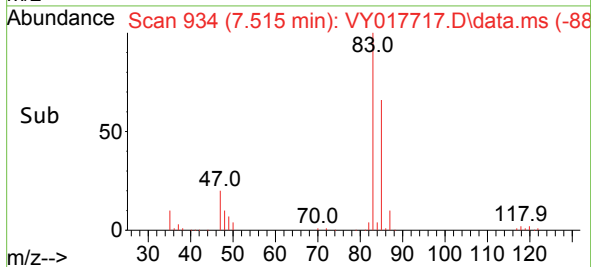
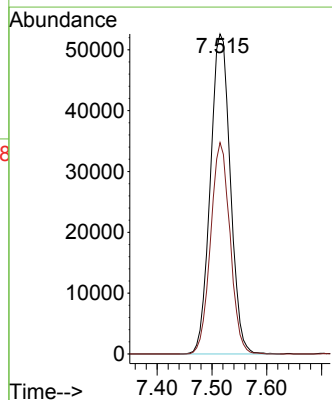
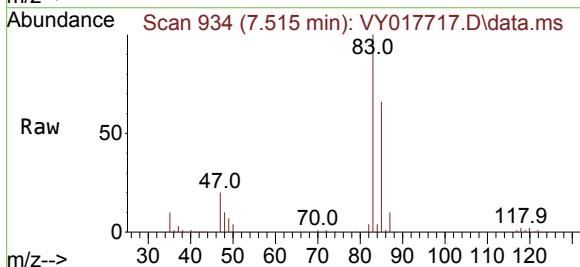
Acq: 19 Mar 2024 19:16

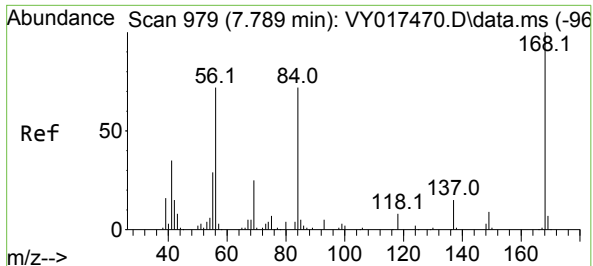
Tgt Ion: 83 Resp: 132990

Ion Ratio Lower Upper

83 100

85 66.1 52.2 78.4





#31

Cyclohexane

Concen: 46.638 ug/l

RT: 7.795 min Scan# 91

Delta R.T. 0.006 min

Lab File: VY017717.D

Acq: 19 Mar 2024 19:16

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

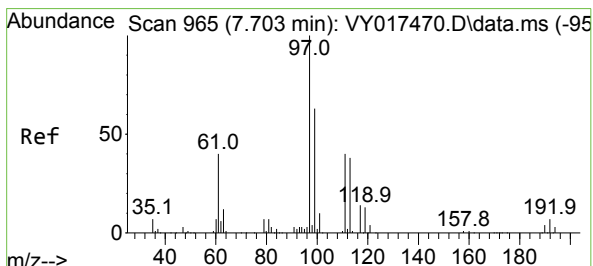
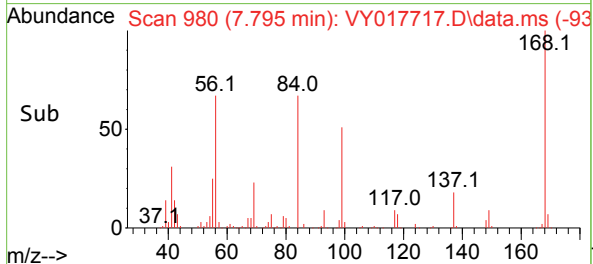
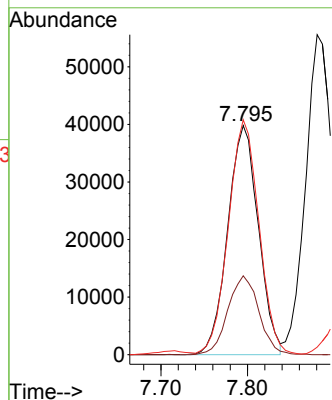
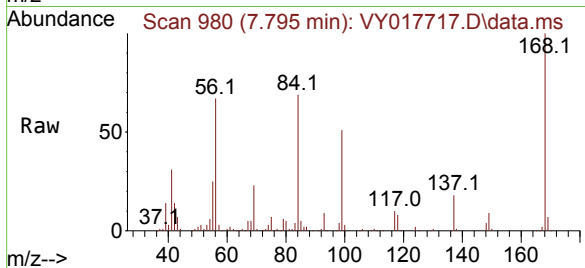
Tgt Ion: 56 Resp: 97965

Ion Ratio Lower Upper

56 100

69 34.4 28.7 43.1

84 101.3 77.7 116.5



#32

1,1,1-Trichloroethane

Concen: 48.291 ug/l

RT: 7.710 min Scan# 966

Delta R.T. 0.006 min

Lab File: VY017717.D

Acq: 19 Mar 2024 19:16

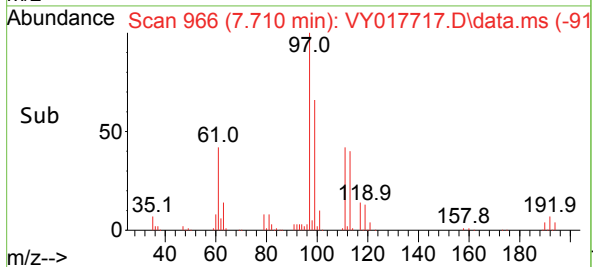
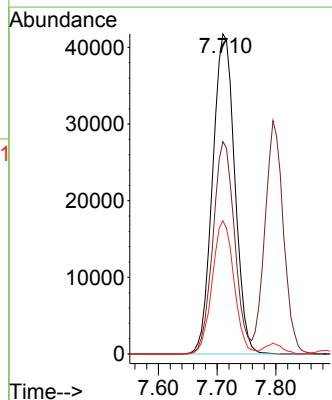
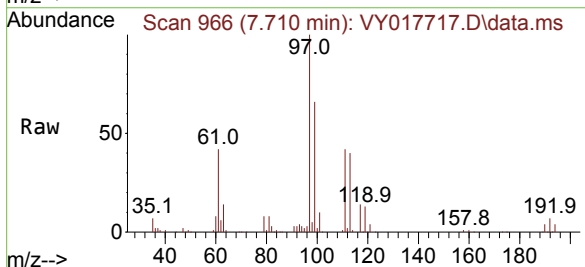
Tgt Ion: 97 Resp: 109394

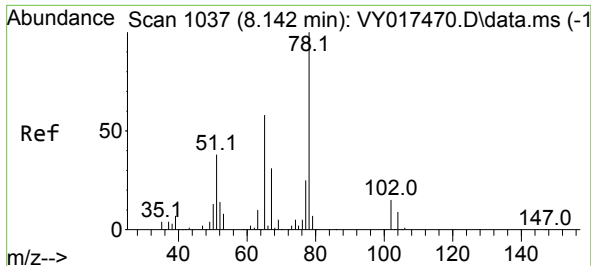
Ion Ratio Lower Upper

97 100

99 65.0 50.3 75.5

61 40.9 32.6 48.8





#33

1,2-Dichloroethane-d4

Concen: 47.318 ug/l

RT: 8.149 min Scan# 1107

Delta R.T. 0.006 min

Lab File: VY017717.D

Acq: 19 Mar 2024 19:16

Instrument :

MSVOA\_Y

ClientSampleId :

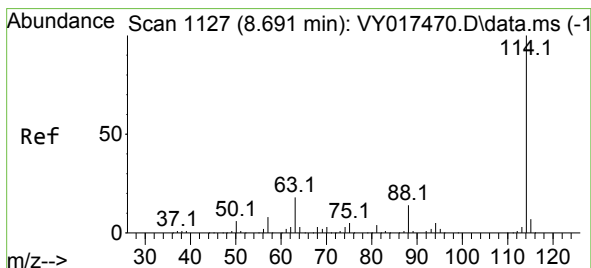
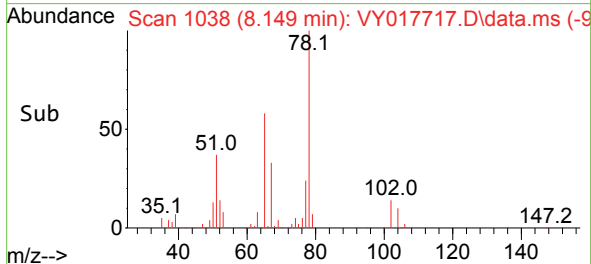
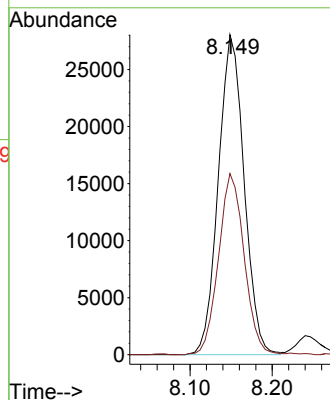
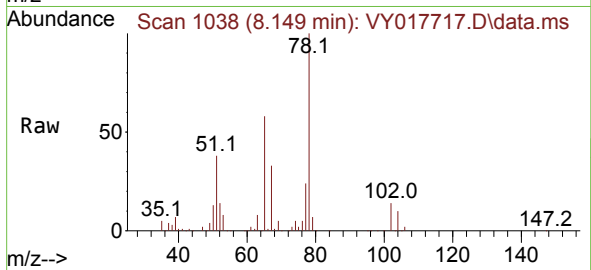
VSTDCCC050EC

Tgt Ion: 65 Resp: 61076

Ion Ratio Lower Upper

65 100

67 56.3 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VY017717.D

Acq: 19 Mar 2024 19:16

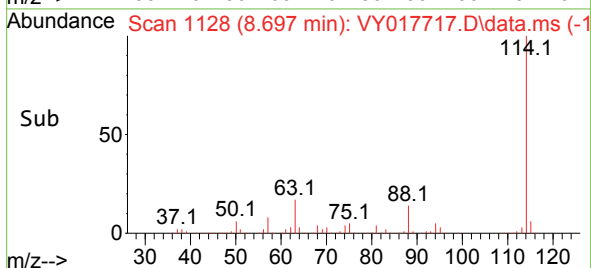
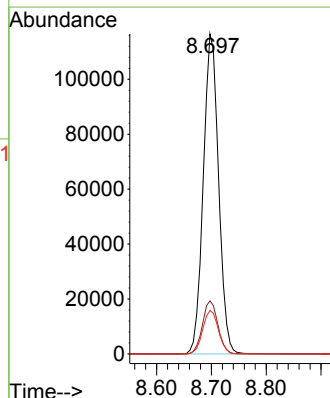
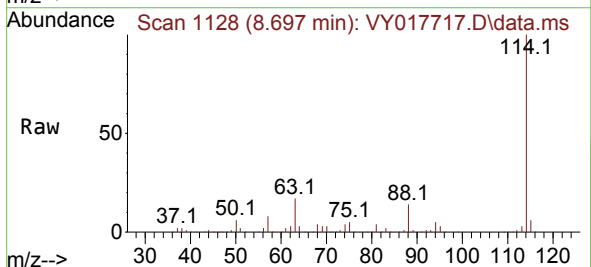
Tgt Ion: 114 Resp: 225321

Ion Ratio Lower Upper

114 100

63 16.6 0.0 35.0

88 13.6 0.0 27.2

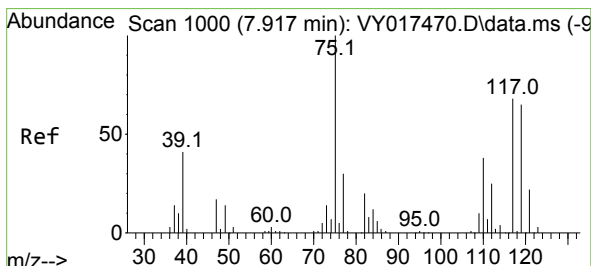
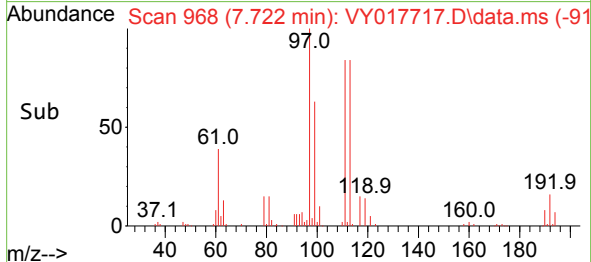
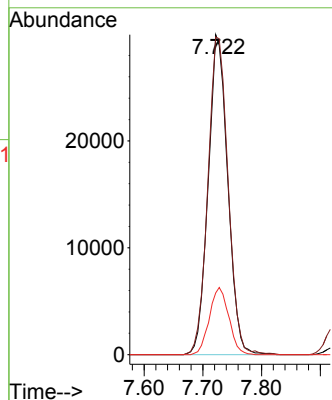
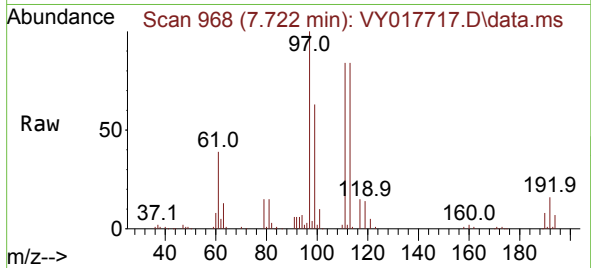




#35  
Dibromofluoromethane  
Concen: 44.042 ug/l  
RT: 7.722 min Scan# 90  
Delta R.T. 0.006 min  
Lab File: VY017717.D  
Acq: 19 Mar 2024 19:16

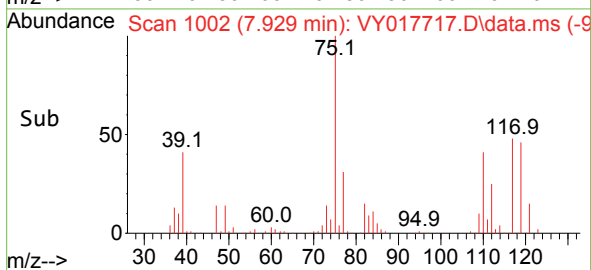
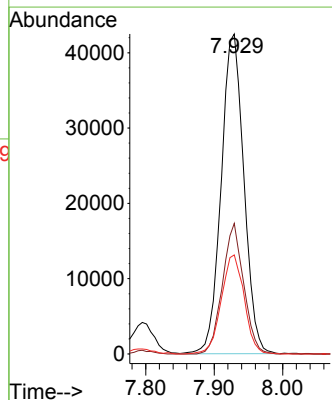
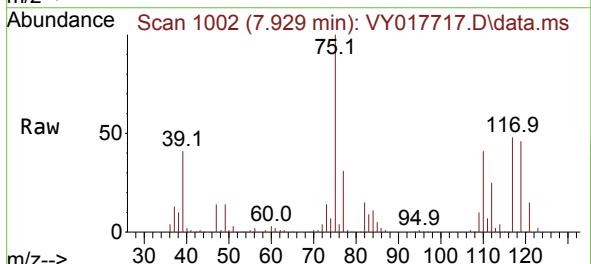
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

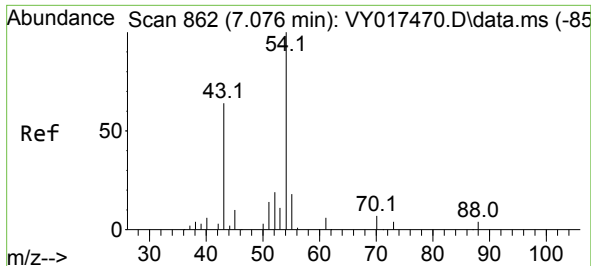
Tgt Ion:113 Resp: 69151  
Ion Ratio Lower Upper  
113 100  
111 102.9 82.2 123.4  
192 20.9 15.9 23.9



#36  
1,1-Dichloropropene  
Concen: 46.044 ug/l  
RT: 7.929 min Scan# 1002  
Delta R.T. 0.012 min  
Lab File: VY017717.D  
Acq: 19 Mar 2024 19:16

Tgt Ion: 75 Resp: 97541  
Ion Ratio Lower Upper  
75 100  
110 38.1 19.0 57.0  
77 31.3 25.3 37.9

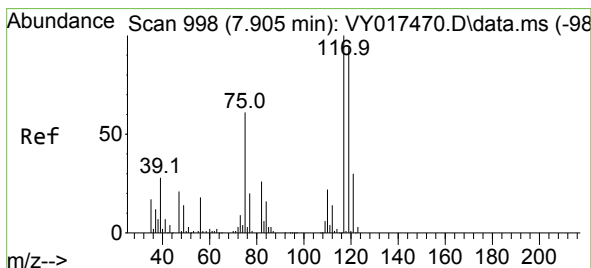
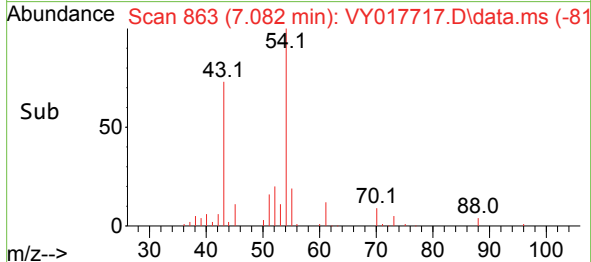
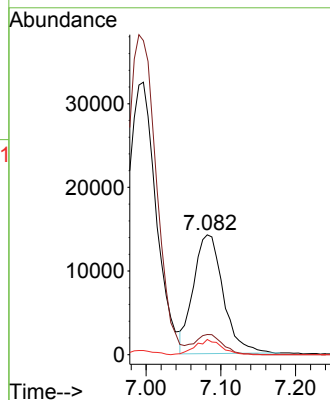
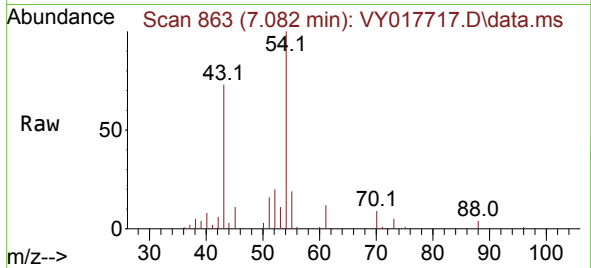




#37  
Ethyl Acetate  
Concen: 46.955 ug/l  
RT: 7.082 min Scan# 863  
Delta R.T. 0.006 min  
Lab File: VY017717.D  
Acq: 19 Mar 2024 19:16

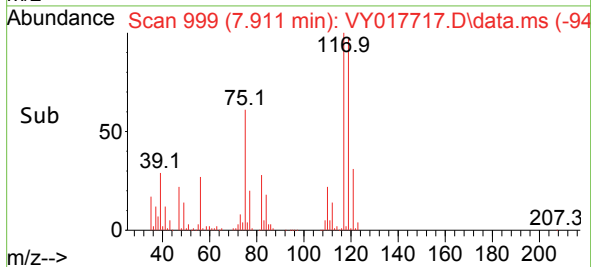
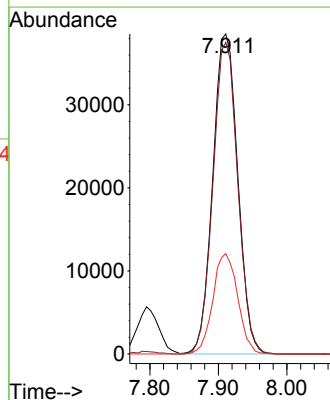
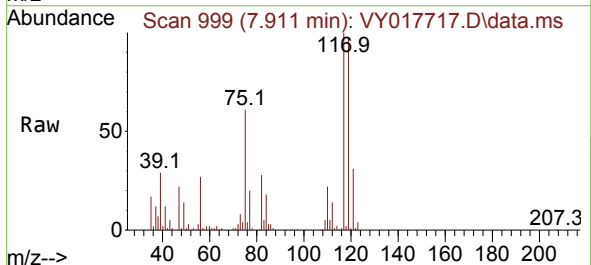
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

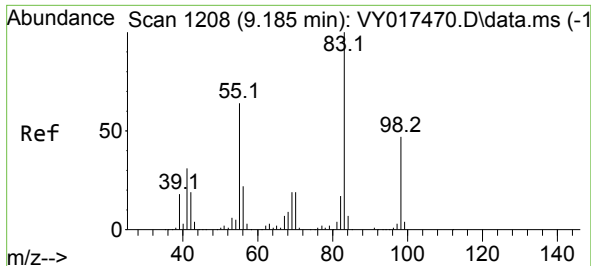
Tgt Ion: 43 Resp: 39287  
Ion Ratio Lower Upper  
43 100  
61 16.2 12.6 19.0  
70 11.1 7.8 11.8



#38  
Carbon Tetrachloride  
Concen: 45.939 ug/l  
RT: 7.911 min Scan# 999  
Delta R.T. 0.006 min  
Lab File: VY017717.D  
Acq: 19 Mar 2024 19:16

Tgt Ion: 117 Resp: 97535  
Ion Ratio Lower Upper  
117 100  
119 97.3 75.8 113.6  
121 31.4 24.0 36.0

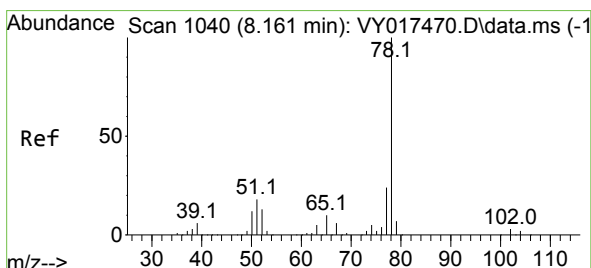
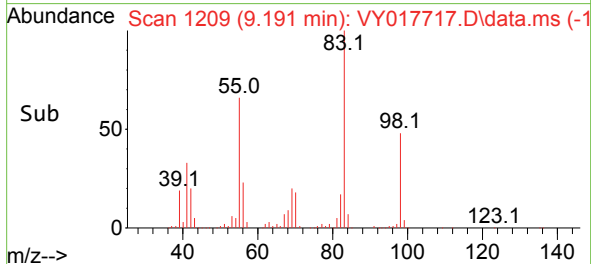
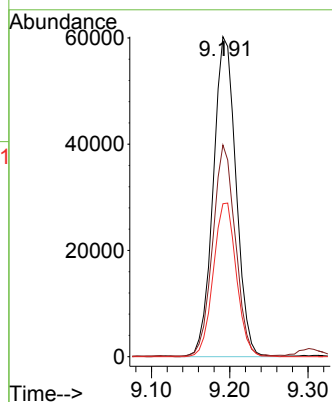
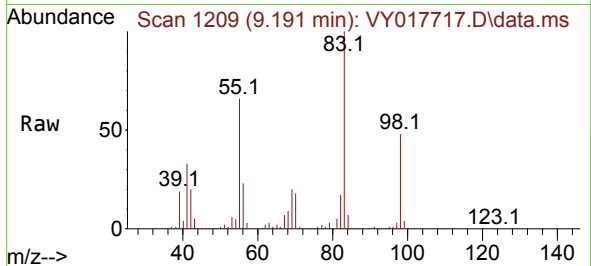




#39  
Methylcyclohexane  
Concen: 47.804 ug/l  
RT: 9.191 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY017717.D  
Acq: 19 Mar 2024 19:16

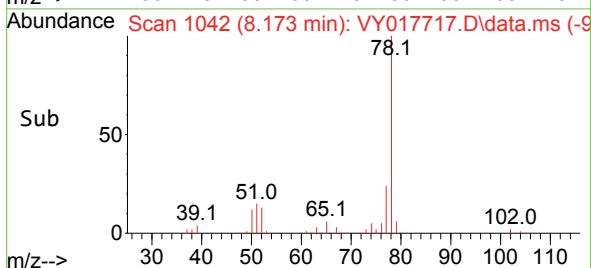
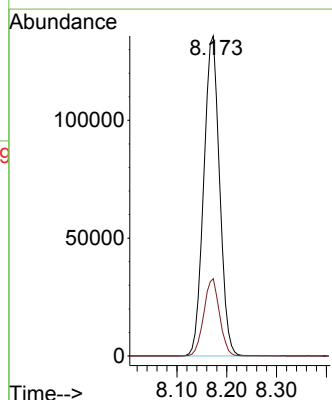
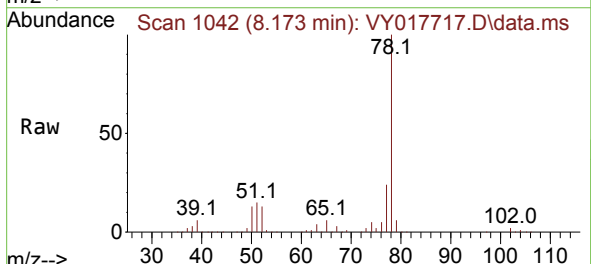
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

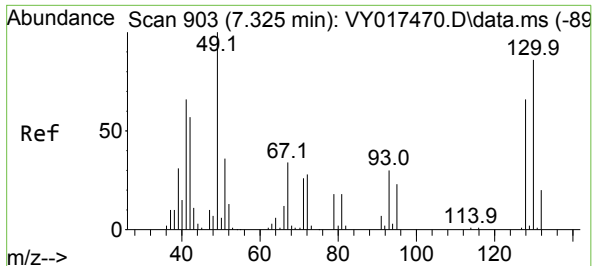
Tgt Ion: 83 Resp: 121703  
Ion Ratio Lower Upper  
83 100  
55 65.9 51.5 77.3  
98 47.8 40.5 60.7



#40  
Benzene  
Concen: 47.643 ug/l  
RT: 8.173 min Scan# 1042  
Delta R.T. 0.012 min  
Lab File: VY017717.D  
Acq: 19 Mar 2024 19:16

Tgt Ion: 78 Resp: 299730  
Ion Ratio Lower Upper  
78 100  
77 24.2 19.5 29.3

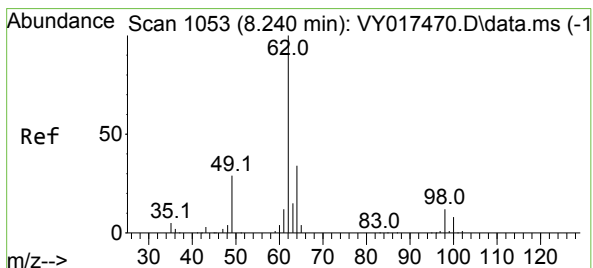
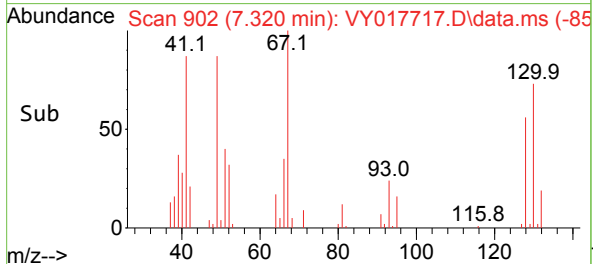
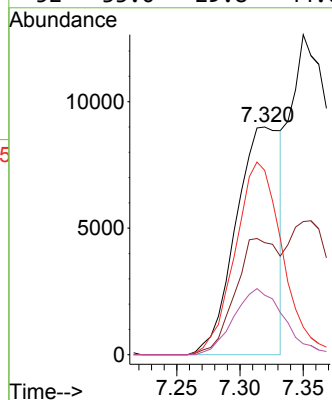
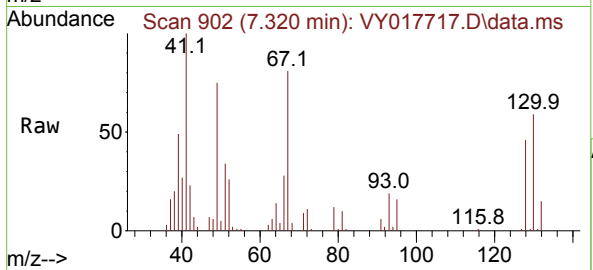




#41  
Methacrylonitrile  
Concen: 52.798 ug/l  
RT: 7.320 min Scan# 903  
Delta R.T. -0.006 min  
Lab File: VY017717.D  
Acq: 19 Mar 2024 19:16

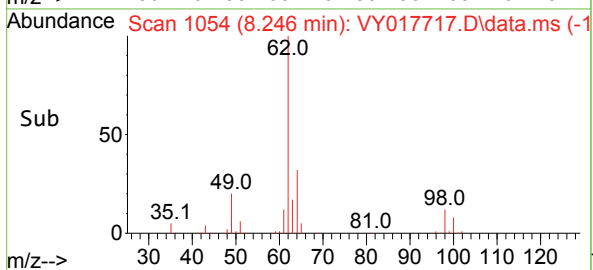
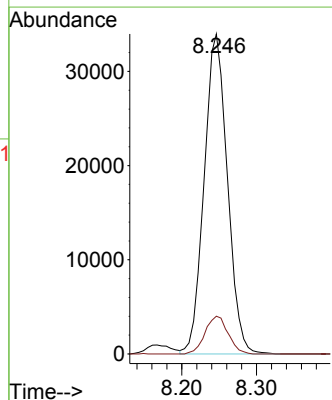
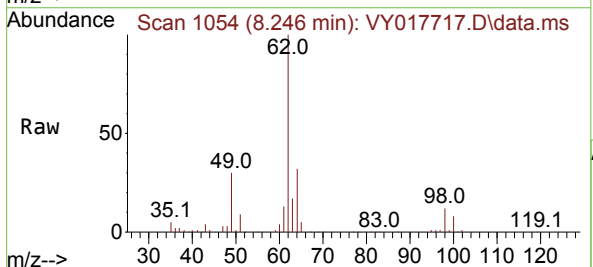
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

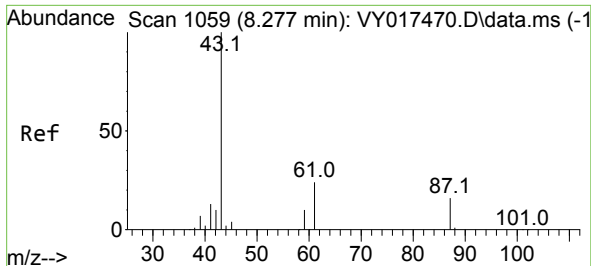
Tgt Ion: 41 Resp: 22168  
Ion Ratio Lower Upper  
41 100  
39 49.6 48.0 72.0  
67 89.8 75.1 112.7  
52 33.0 29.8 44.6



#42  
1,2-Dichloroethane  
Concen: 47.865 ug/l  
RT: 8.246 min Scan# 1054  
Delta R.T. 0.006 min  
Lab File: VY017717.D  
Acq: 19 Mar 2024 19:16

Tgt Ion: 62 Resp: 73470  
Ion Ratio Lower Upper  
62 100  
98 11.7 0.0 22.0

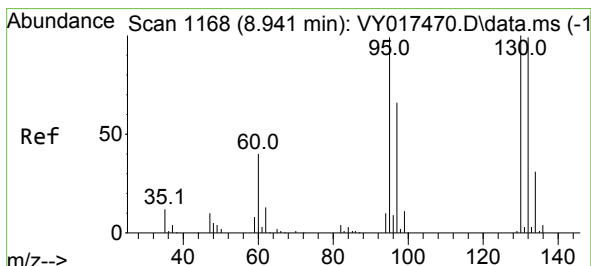
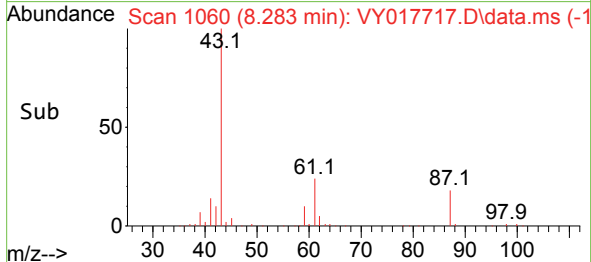
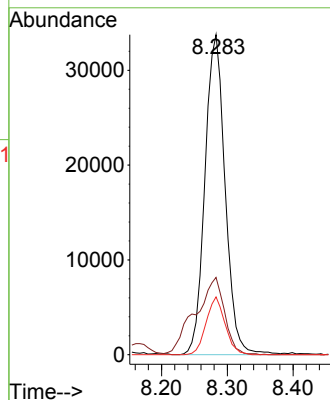
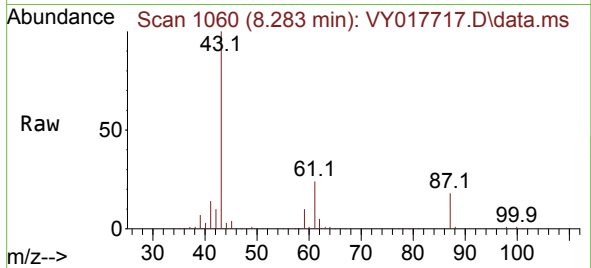




#43  
Isopropyl Acetate  
Concen: 49.102 ug/l  
RT: 8.283 min Scan# 1060  
Delta R.T. 0.006 min  
Lab File: VY017717.D  
Acq: 19 Mar 2024 19:16

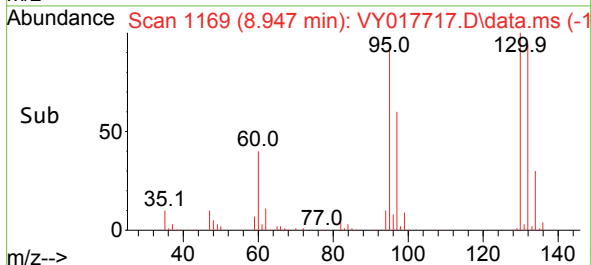
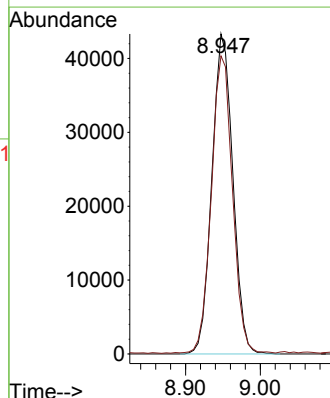
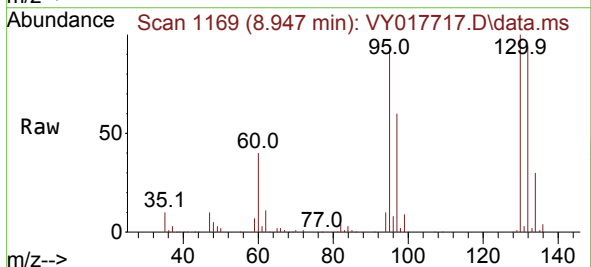
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MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

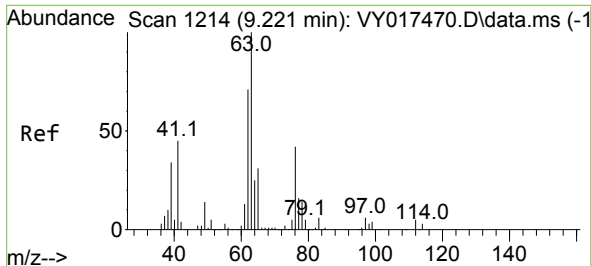
Tgt Ion: 43 Resp: 72194  
Ion Ratio Lower Upper  
43 100  
61 35.1 27.9 41.9  
87 16.9 13.1 19.7



#44  
Trichloroethene  
Concen: 46.626 ug/l  
RT: 8.947 min Scan# 1169  
Delta R.T. 0.006 min  
Lab File: VY017717.D  
Acq: 19 Mar 2024 19:16

Tgt Ion:130 Resp: 84547  
Ion Ratio Lower Upper  
130 100  
95 92.8 0.0 188.0





#45

1,2-Dichloropropane

Concen: 47.848 ug/l

RT: 9.228 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY017717.D

Acq: 19 Mar 2024 19:16

Instrument :

MSVOA\_Y

ClientSampleId :

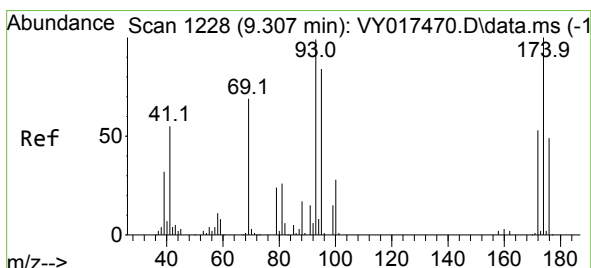
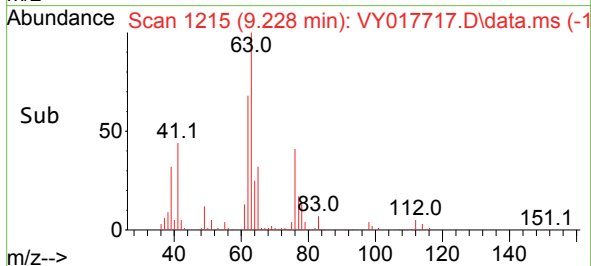
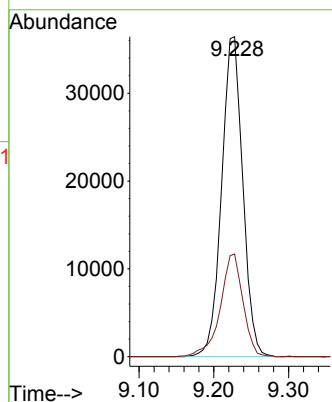
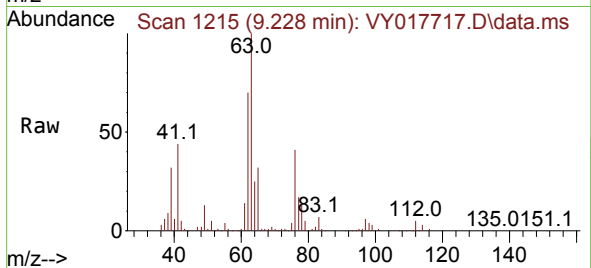
VSTDCCC050EC

Tgt Ion: 63 Resp: 71617

Ion Ratio Lower Upper

63 100

65 32.1 25.4 38.2



#46

Dibromomethane

Concen: 50.141 ug/l

RT: 9.313 min Scan# 1229

Delta R.T. 0.006 min

Lab File: VY017717.D

Acq: 19 Mar 2024 19:16

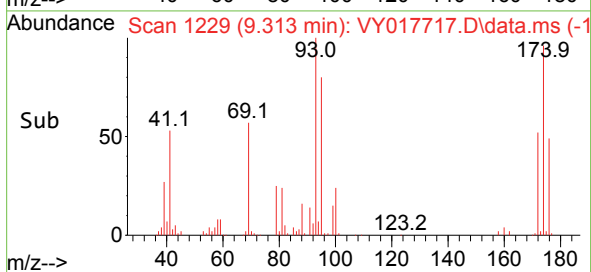
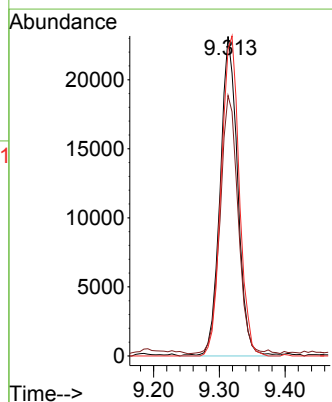
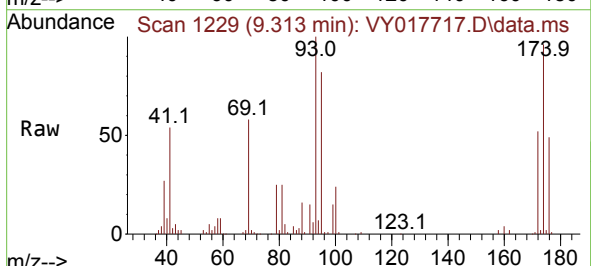
Tgt Ion: 93 Resp: 42951

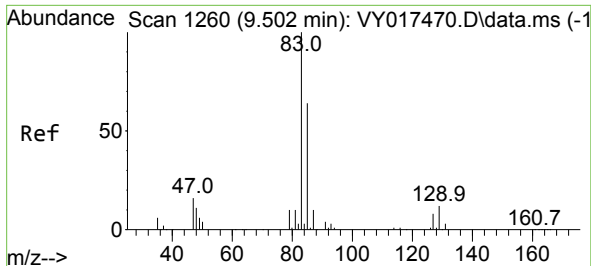
Ion Ratio Lower Upper

93 100

95 82.4 66.2 99.4

174 102.6 80.9 121.3

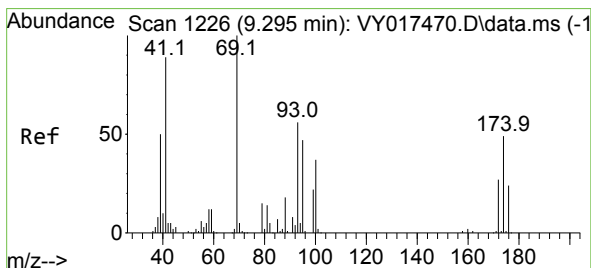
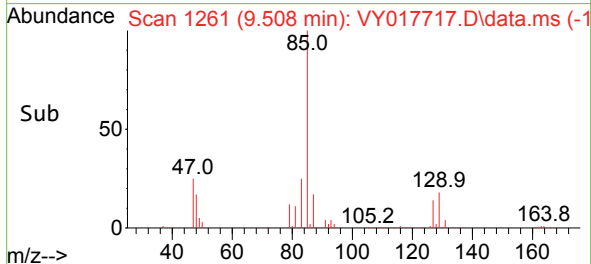
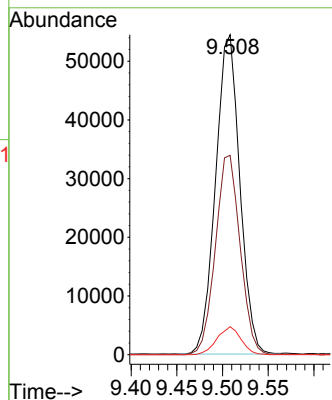
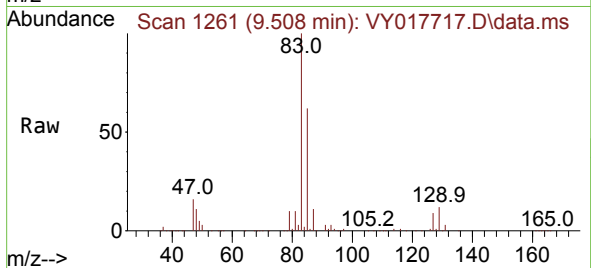




#47  
Bromodichloromethane  
Concen: 48.278 ug/l  
RT: 9.508 min Scan# 1261  
Delta R.T. 0.006 min  
Lab File: VY017717.D  
Acq: 19 Mar 2024 19:16

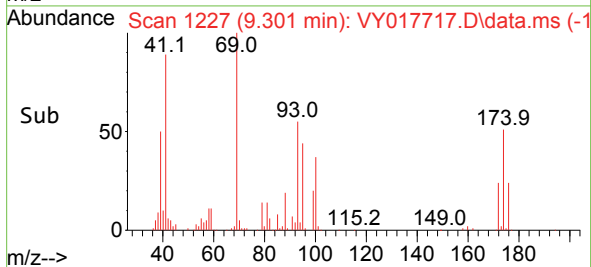
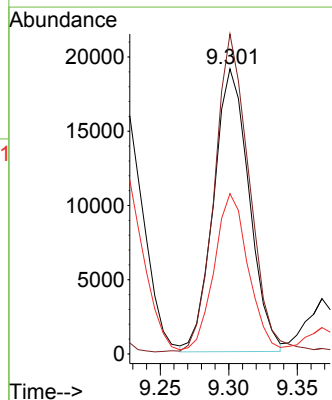
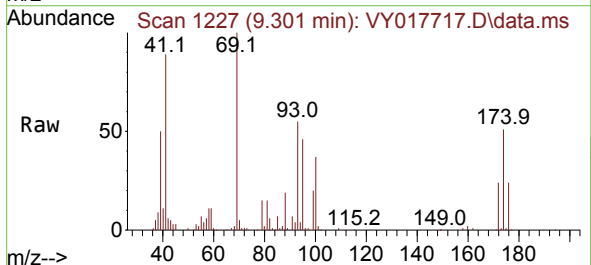
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

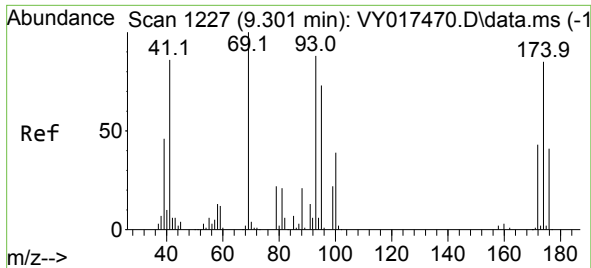
Tgt Ion: 83 Resp: 100412  
Ion Ratio Lower Upper  
83 100  
85 62.4 50.1 75.1  
127 8.8 7.4 11.0



#48  
Methyl methacrylate  
Concen: 50.642 ug/l  
RT: 9.301 min Scan# 1227  
Delta R.T. 0.006 min  
Lab File: VY017717.D  
Acq: 19 Mar 2024 19:16

Tgt Ion: 41 Resp: 34465  
Ion Ratio Lower Upper  
41 100  
69 110.7 84.1 126.1  
39 52.3 43.6 65.4

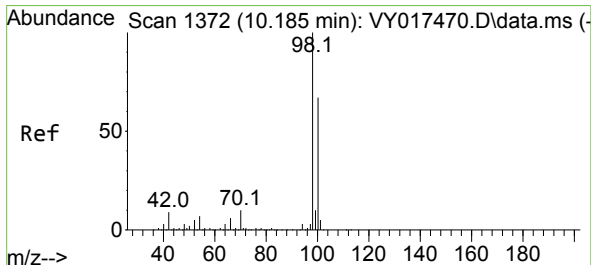
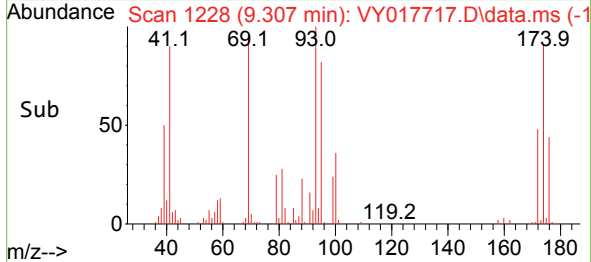
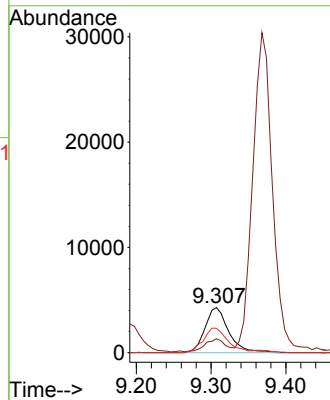
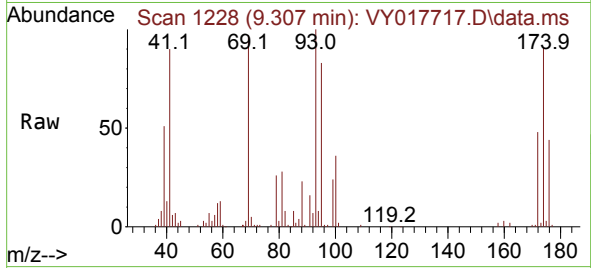




#49  
1,4-Dioxane  
Concen: 968.926 ug/l  
RT: 9.307 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY017717.D  
Acq: 19 Mar 2024 19:16

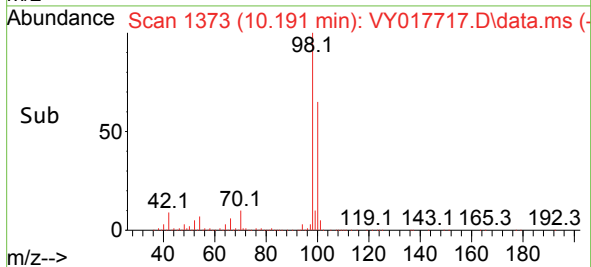
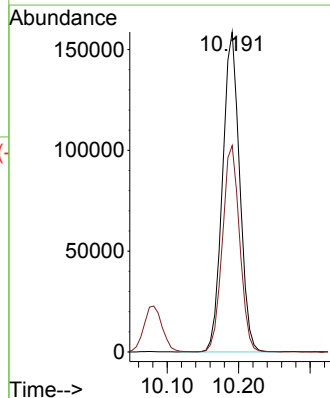
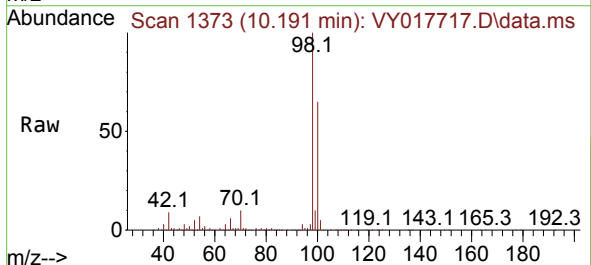
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MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

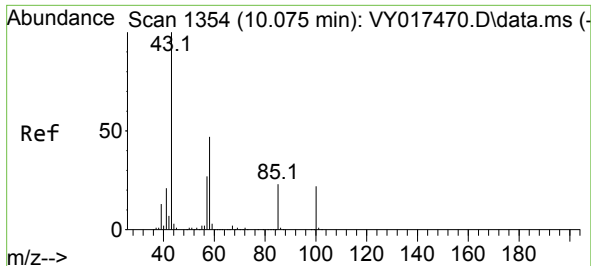
Tgt Ion: 88 Resp: 9393  
Ion Ratio Lower Upper  
88 100  
43 26.8 0.0 0.0#  
58 56.9 49.3 73.9



#50  
Toluene-d8  
Concen: 47.929 ug/l  
RT: 10.191 min Scan# 1373  
Delta R.T. 0.006 min  
Lab File: VY017717.D  
Acq: 19 Mar 2024 19:16

Tgt Ion: 98 Resp: 263115  
Ion Ratio Lower Upper  
98 100  
100 65.1 52.0 78.0

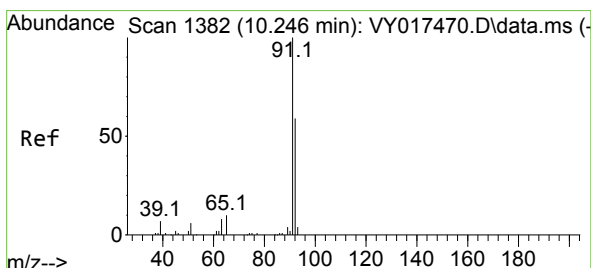
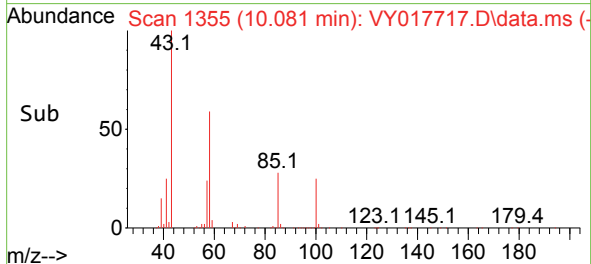
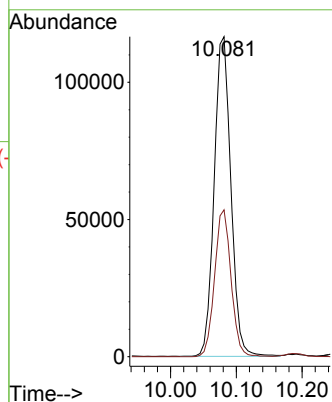
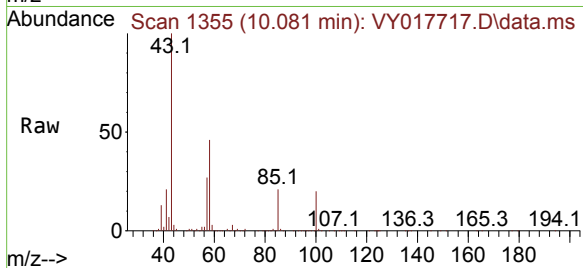




#51  
4-Methyl-2-Pentanone  
Concen: 251.692 ug/l  
RT: 10.081 min Scan# 1355  
Delta R.T. 0.006 min  
Lab File: VY017717.D  
Acq: 19 Mar 2024 19:16

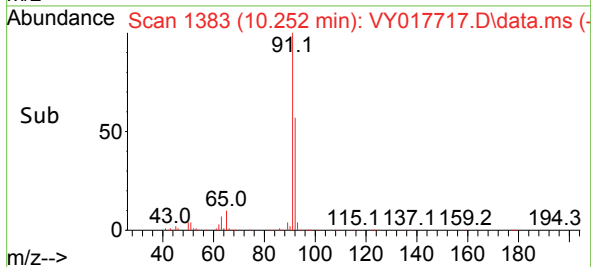
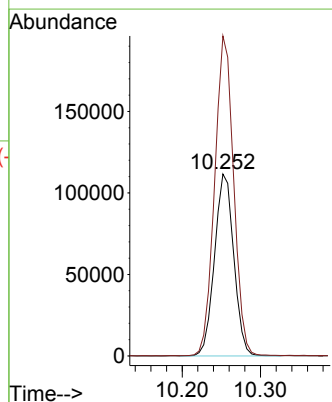
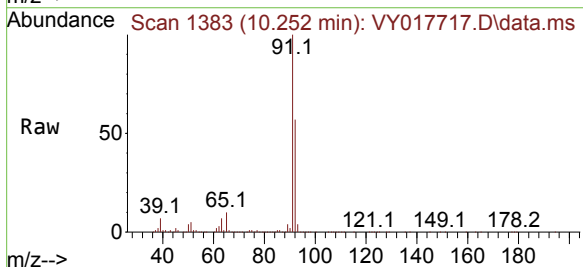
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

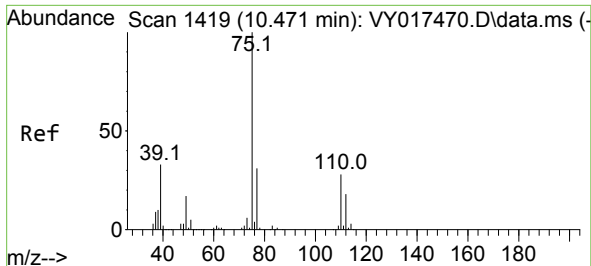
Tgt Ion: 43 Resp: 206246  
Ion Ratio Lower Upper  
43 100  
58 45.2 35.7 53.5



#52  
Toluene  
Concen: 48.095 ug/l  
RT: 10.252 min Scan# 1383  
Delta R.T. 0.006 min  
Lab File: VY017717.D  
Acq: 19 Mar 2024 19:16

Tgt Ion: 92 Resp: 190746  
Ion Ratio Lower Upper  
92 100  
91 173.6 139.0 208.6

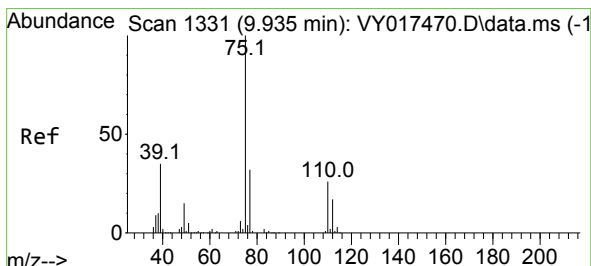
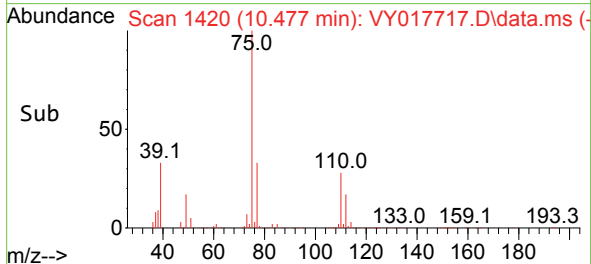
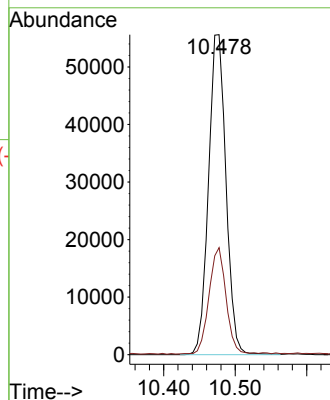
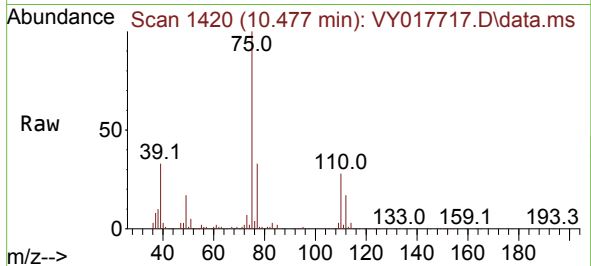




#53  
 t-1,3-Dichloropropene  
 Concen: 48.925 ug/l  
 RT: 10.477 min Scan# 1419  
 Delta R.T. 0.006 min  
 Lab File: VY017717.D  
 Acq: 19 Mar 2024 19:16

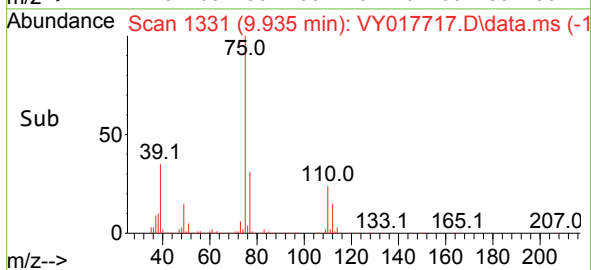
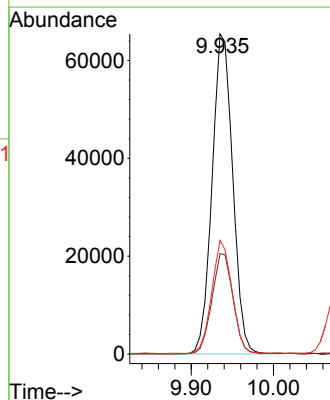
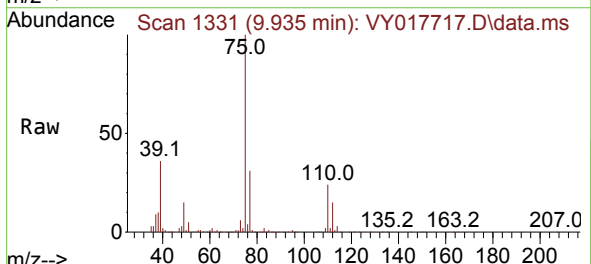
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

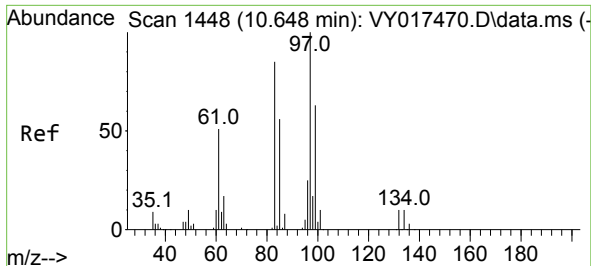
Tgt Ion: 75 Resp: 94450  
 Ion Ratio Lower Upper  
 75 100  
 77 33.2 24.1 36.1



#54  
 cis-1,3-Dichloropropene  
 Concen: 48.681 ug/l  
 RT: 9.935 min Scan# 1331  
 Delta R.T. 0.000 min  
 Lab File: VY017717.D  
 Acq: 19 Mar 2024 19:16

Tgt Ion: 75 Resp: 114193  
 Ion Ratio Lower Upper  
 75 100  
 77 31.2 25.4 38.0  
 39 35.3 29.8 44.6

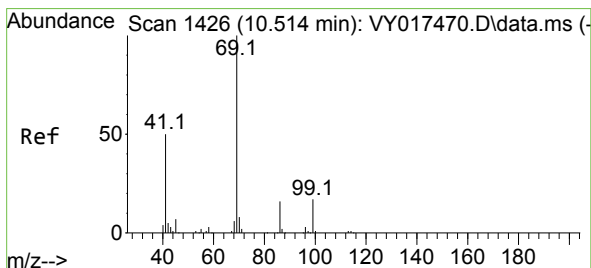
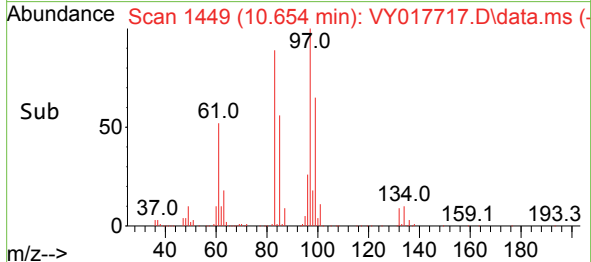
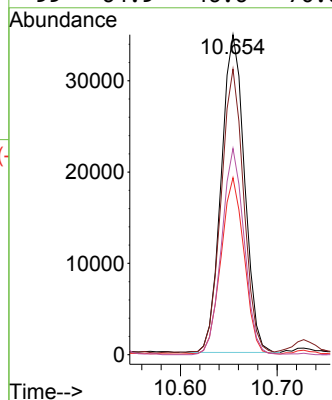
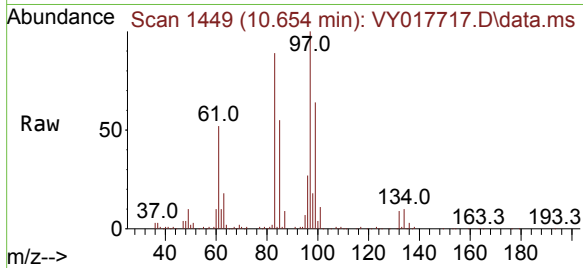




#55  
1,1,2-Trichloroethane  
Concen: 47.752 ug/l  
RT: 10.654 min Scan# 1449  
Delta R.T. 0.006 min  
Lab File: VY017717.D  
Acq: 19 Mar 2024 19:16

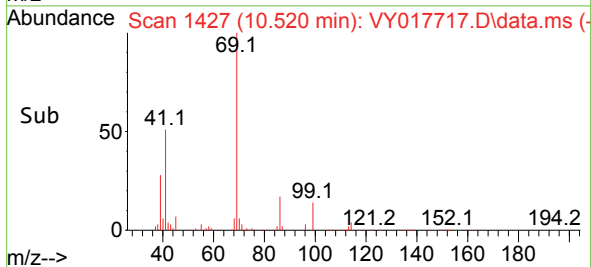
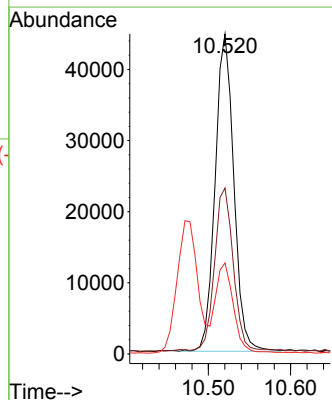
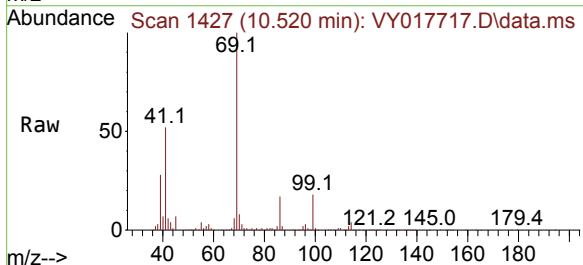
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MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

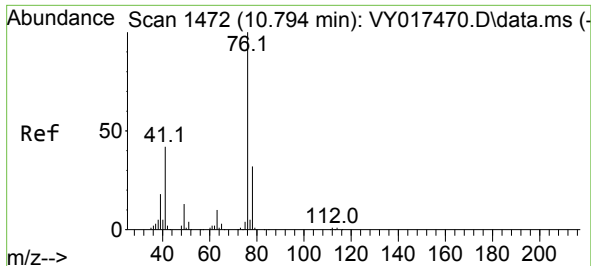
|             |             |
|-------------|-------------|
| Tgt Ion: 97 | Resp: 58077 |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 83 89.1     | 67.5 101.3  |
| 85 55.5     | 42.9 64.3   |
| 99 64.9     | 46.6 70.0   |



#56  
Ethyl methacrylate  
Concen: 47.275 ug/l  
RT: 10.520 min Scan# 1427  
Delta R.T. 0.006 min  
Lab File: VY017717.D  
Acq: 19 Mar 2024 19:16

|             |             |       |  |
|-------------|-------------|-------|--|
| Tgt Ion: 69 | Resp: 70515 |       |  |
| Ion Ratio   | Lower       | Upper |  |
| 69 100      |             |       |  |
| 41 52.2     | 42.3        | 63.5  |  |
| 39 26.9     | 22.9        | 34.3  |  |





#57

1,3-Dichloropropane

Concen: 49.284 ug/l

RT: 10.801 min Scan# 1472

Delta R.T. 0.006 min

Lab File: VY017717.D

Acq: 19 Mar 2024 19:16

Instrument :

MSVOA\_Y

ClientSampleId :

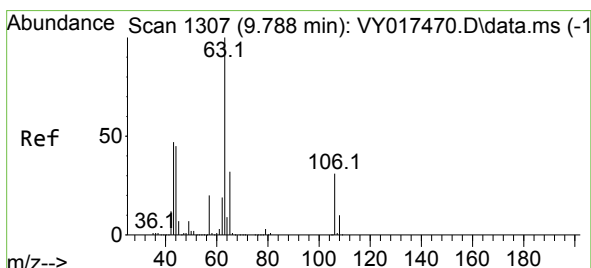
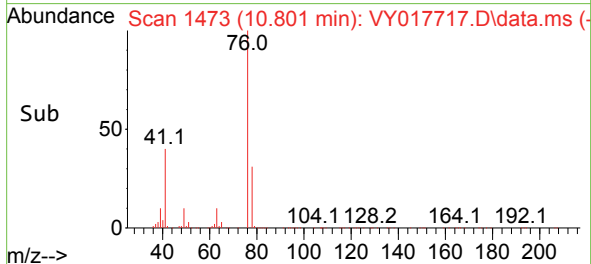
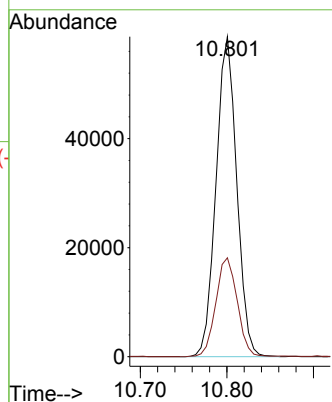
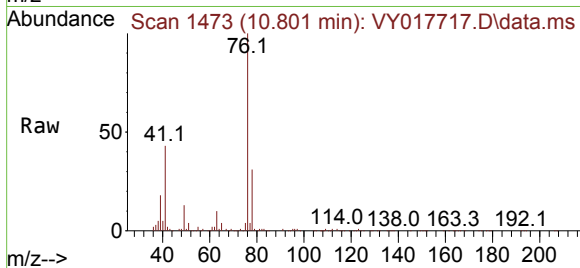
VSTDCCC050EC

Tgt Ion: 76 Resp: 97453

Ion Ratio Lower Upper

76 100

78 32.0 26.2 39.4



#58

2-Chloroethyl Vinyl ether

Concen: 295.056 ug/l

RT: 9.789 min Scan# 1307

Delta R.T. 0.000 min

Lab File: VY017717.D

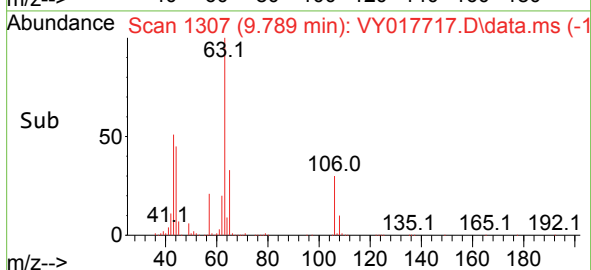
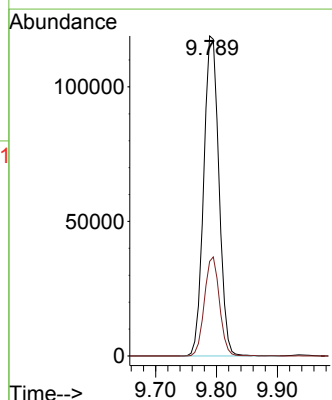
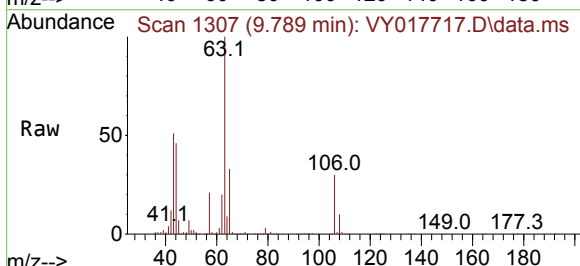
Acq: 19 Mar 2024 19:16

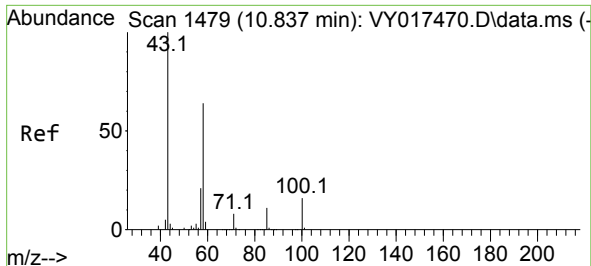
Tgt Ion: 63 Resp: 207074

Ion Ratio Lower Upper

63 100

106 30.5 23.7 35.5

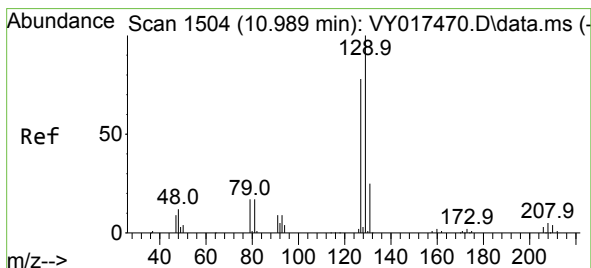
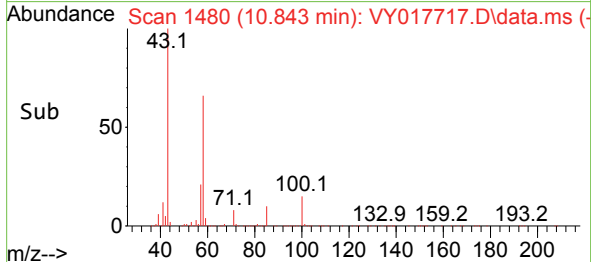
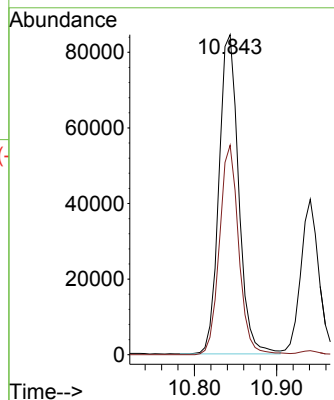
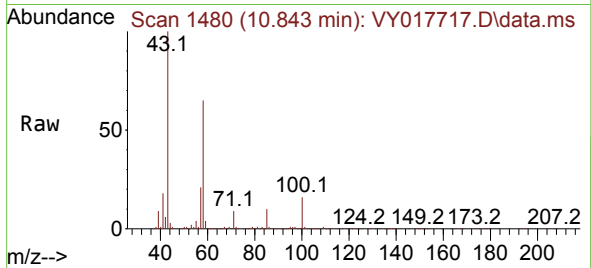




#59  
2-Hexanone  
Concen: 250.025 ug/l  
RT: 10.843 min Scan# 1479  
Delta R.T. 0.006 min  
Lab File: VY017717.D  
Acq: 19 Mar 2024 19:16

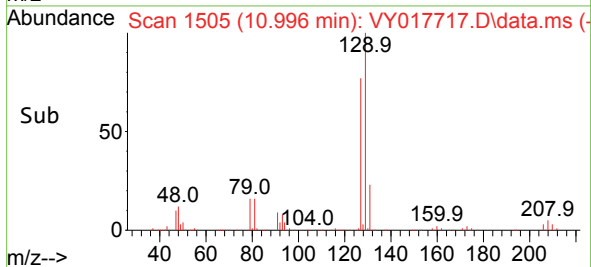
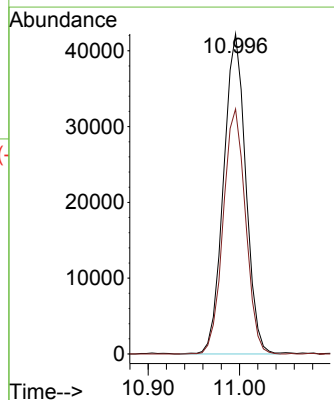
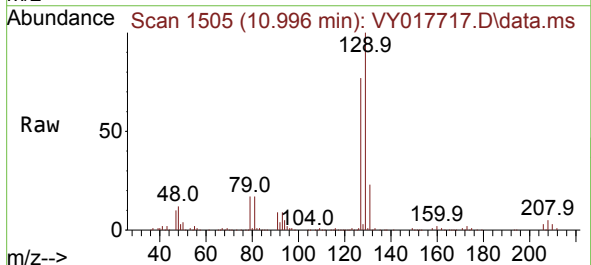
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

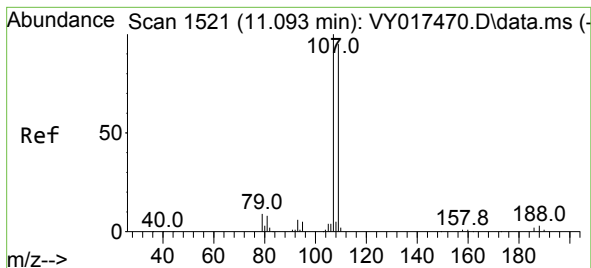
Tgt Ion: 43 Resp: 140728  
Ion Ratio Lower Upper  
43 100  
58 64.1 31.4 94.0



#60  
Dibromochloromethane  
Concen: 49.512 ug/l  
RT: 10.996 min Scan# 1505  
Delta R.T. 0.006 min  
Lab File: VY017717.D  
Acq: 19 Mar 2024 19:16

Tgt Ion: 129 Resp: 71237  
Ion Ratio Lower Upper  
129 100  
127 77.0 39.0 117.0





#61

1,2-Dibromoethane

Concen: 49.504 ug/l

RT: 11.099 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY017717.D

Acq: 19 Mar 2024 19:16

Instrument :

MSVOA\_Y

ClientSampleId :

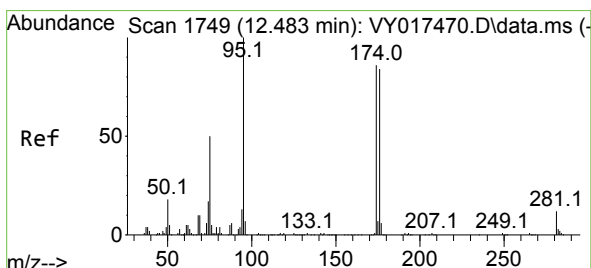
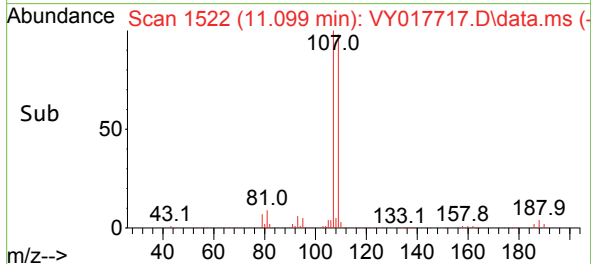
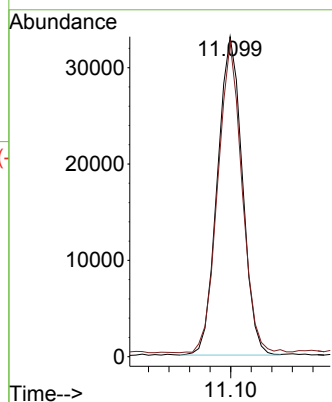
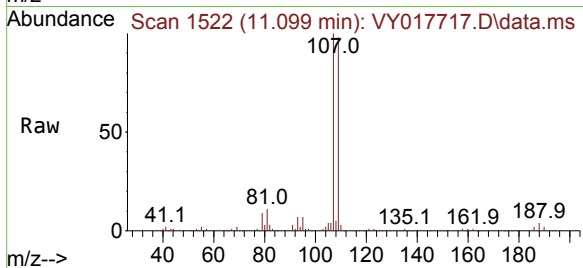
VSTDCCC050EC

Tgt Ion:107 Resp: 55483

Ion Ratio Lower Upper

107 100

109 94.5 75.9 113.9



#62

4-Bromofluorobenzene

Concen: 49.718 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.006 min

Lab File: VY017717.D

Acq: 19 Mar 2024 19:16

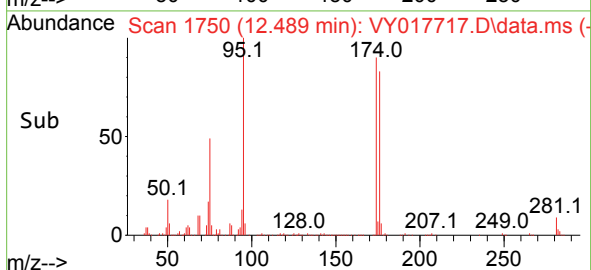
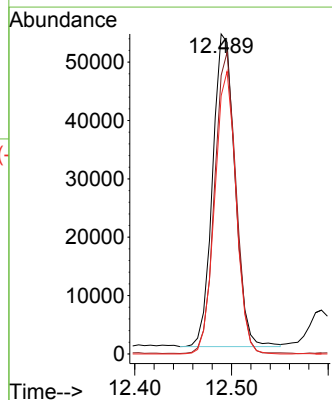
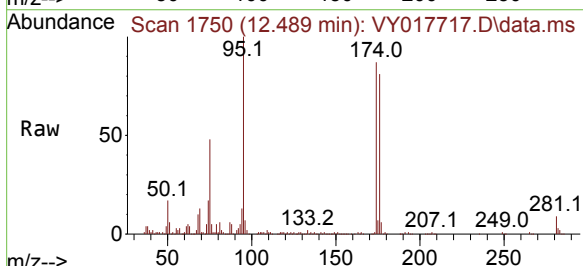
Tgt Ion: 95 Resp: 85777

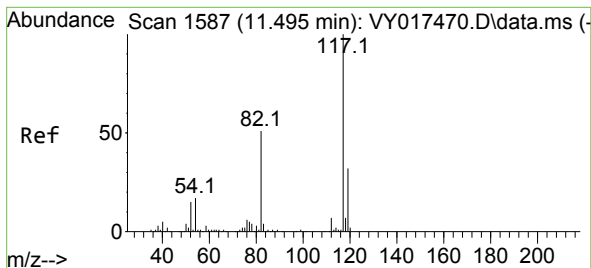
Ion Ratio Lower Upper

95 100

174 92.4 0.0 175.6

176 86.8 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.502 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY017717.D

Acq: 19 Mar 2024 19:16

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

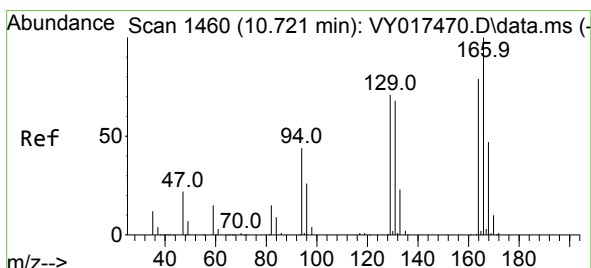
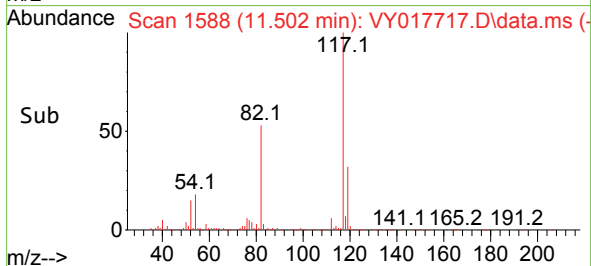
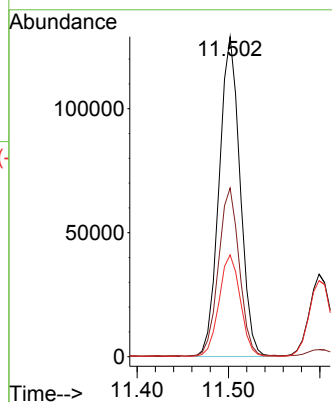
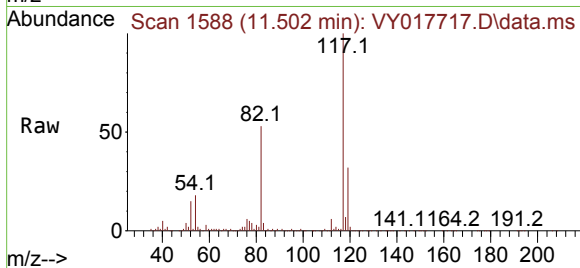
Tgt Ion:117 Resp: 205227

Ion Ratio Lower Upper

117 100

82 52.5 42.4 63.6

119 31.7 25.9 38.9



#64

Tetrachloroethene

Concen: 44.436 ug/l

RT: 10.734 min Scan# 1462

Delta R.T. 0.012 min

Lab File: VY017717.D

Acq: 19 Mar 2024 19:16

Tgt Ion:164 Resp: 87530

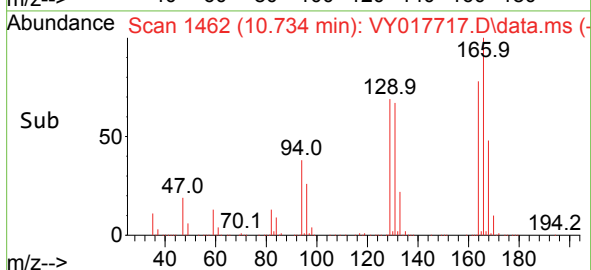
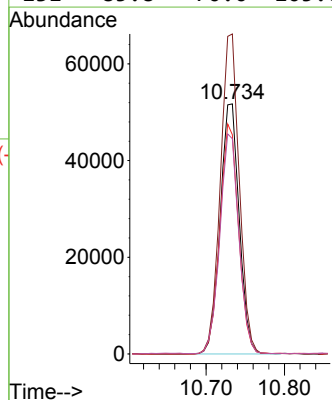
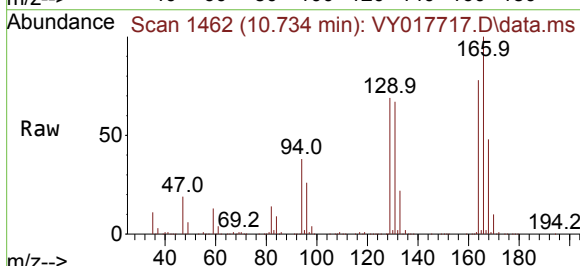
Ion Ratio Lower Upper

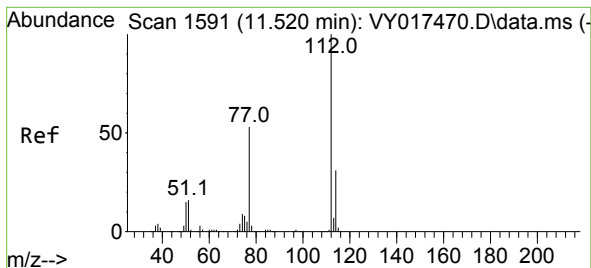
164 100

166 127.9 102.6 154.0

129 87.5 72.0 108.0

131 85.8 70.0 105.0

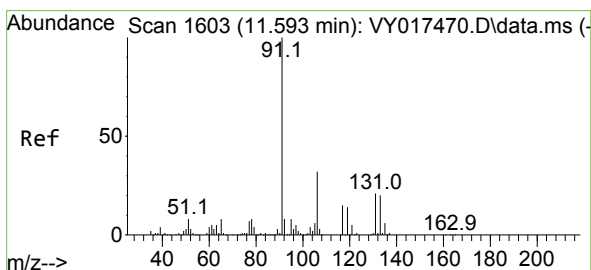
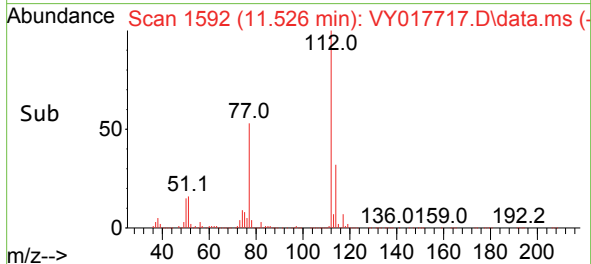
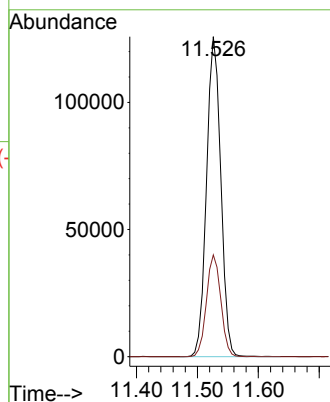
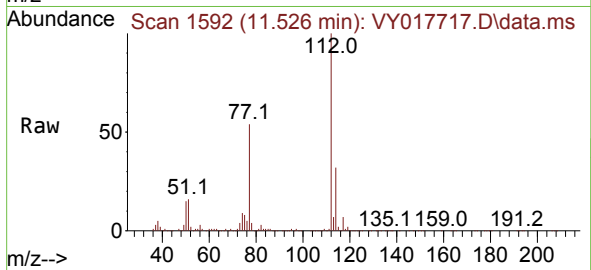




#65  
Chlorobenzene  
Concen: 46.939 ug/l  
RT: 11.526 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY017717.D  
Acq: 19 Mar 2024 19:16

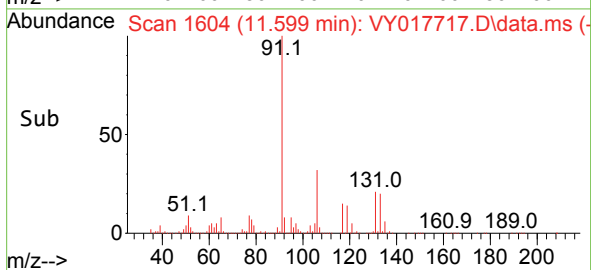
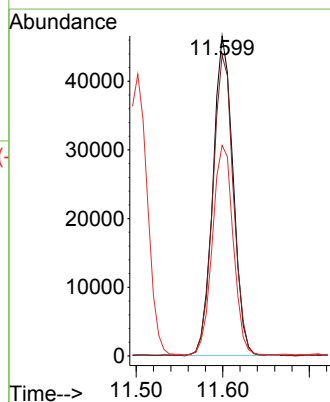
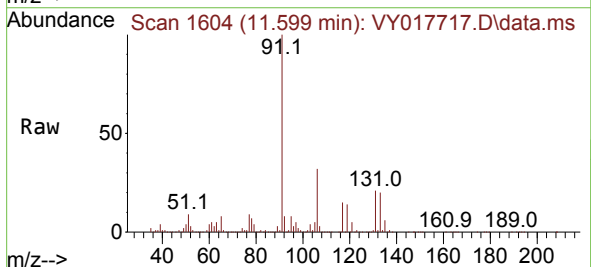
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

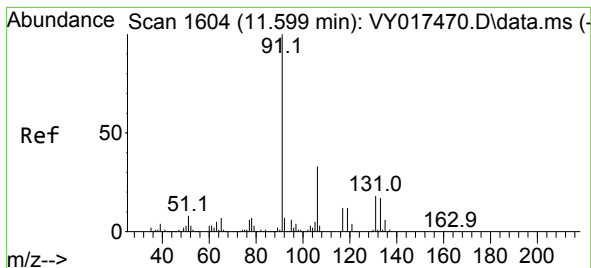
Tgt Ion:112 Resp: 204469  
Ion Ratio Lower Upper  
112 100  
114 31.8 26.4 39.6



#66  
1,1,1,2-Tetrachloroethane  
Concen: 46.038 ug/l  
RT: 11.599 min Scan# 1604  
Delta R.T. 0.006 min  
Lab File: VY017717.D  
Acq: 19 Mar 2024 19:16

Tgt Ion:131 Resp: 75131  
Ion Ratio Lower Upper  
131 100  
133 96.0 47.8 143.3  
119 67.7 34.1 102.2





#67

Ethyl Benzene

Concen: 47.831 ug/l

RT: 11.605 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY017717.D

Acq: 19 Mar 2024 19:16

Instrument :

MSVOA\_Y

ClientSampleId :

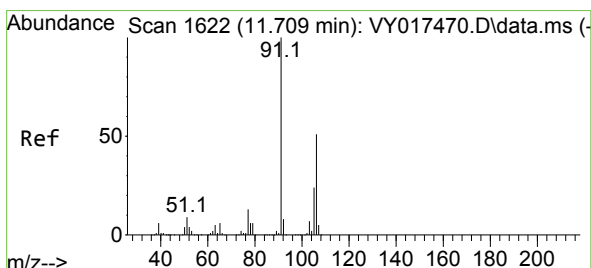
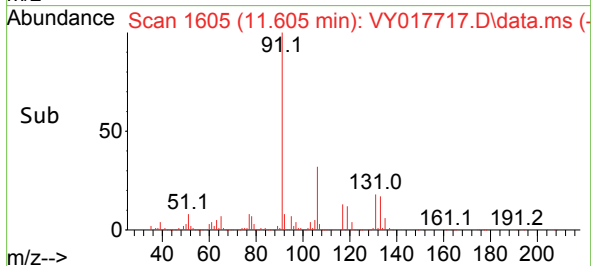
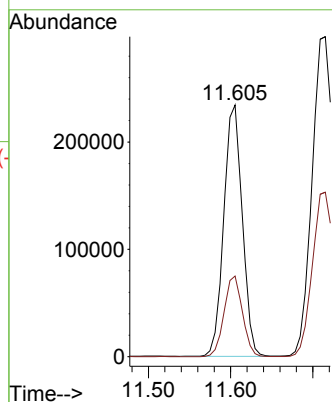
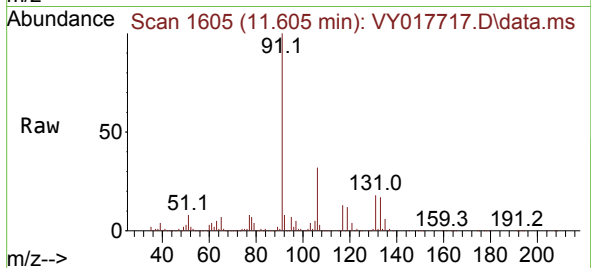
VSTDCCC050EC

Tgt Ion: 91 Resp: 365408

Ion Ratio Lower Upper

91 100

106 32.0 24.5 36.7



#68

m/p-Xylenes

Concen: 94.296 ug/l

RT: 11.715 min Scan# 1623

Delta R.T. 0.006 min

Lab File: VY017717.D

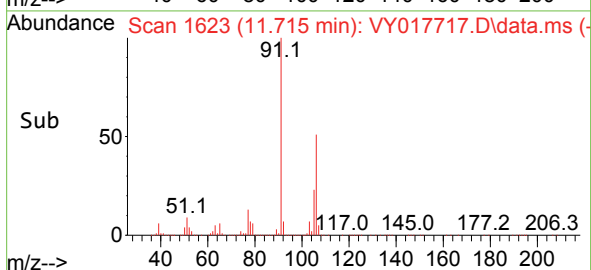
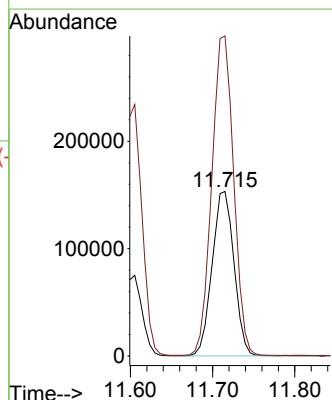
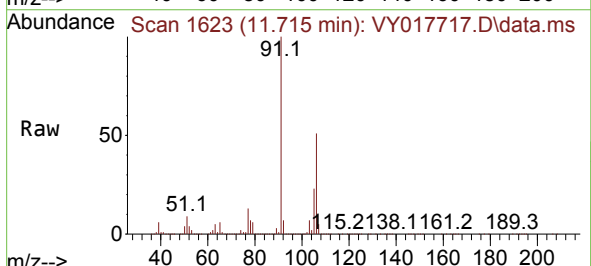
Acq: 19 Mar 2024 19:16

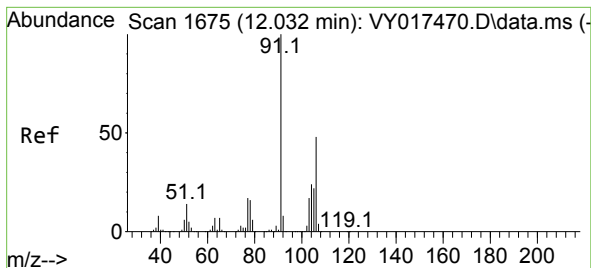
Tgt Ion:106 Resp: 283063

Ion Ratio Lower Upper

106 100

91 194.4 156.0 234.0





#69

o-Xylene

Concen: 48.960 ug/l

RT: 12.038 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY017717.D

Acq: 19 Mar 2024 19:16

Instrument :

MSVOA\_Y

ClientSampleId :

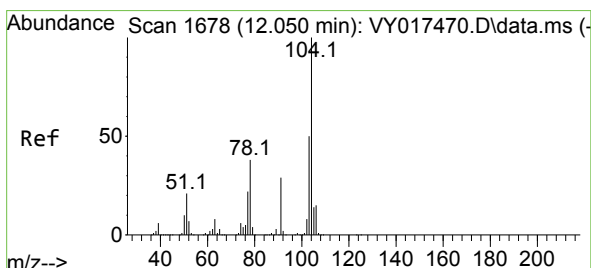
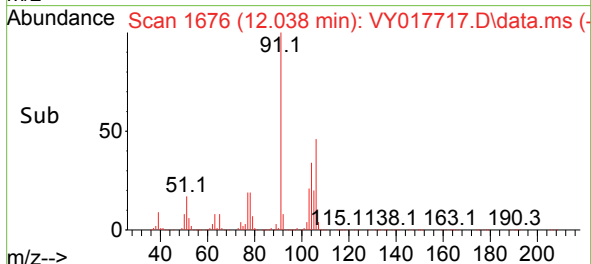
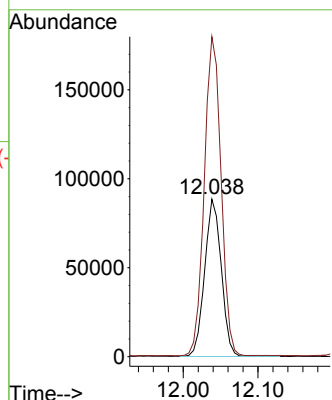
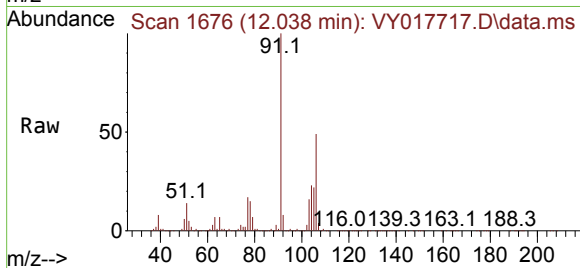
VSTDCCC050EC

Tgt Ion:106 Resp: 136352

Ion Ratio Lower Upper

106 100

91 205.0 103.6 310.8



#70

Styrene

Concen: 48.841 ug/l

RT: 12.057 min Scan# 1679

Delta R.T. 0.006 min

Lab File: VY017717.D

Acq: 19 Mar 2024 19:16

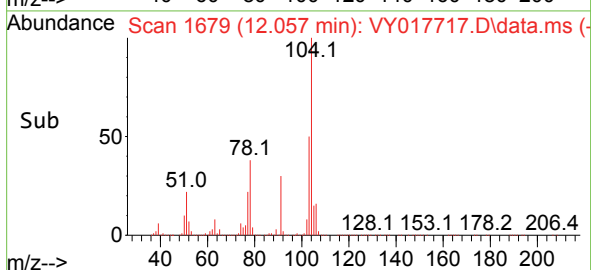
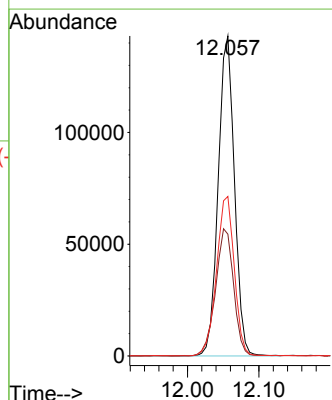
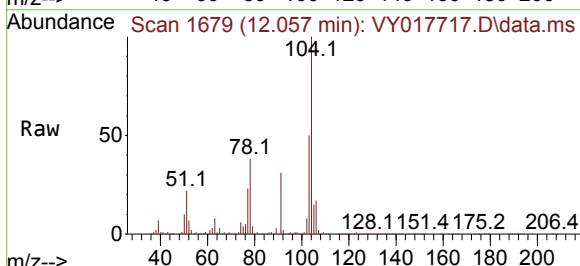
Tgt Ion:104 Resp: 225777

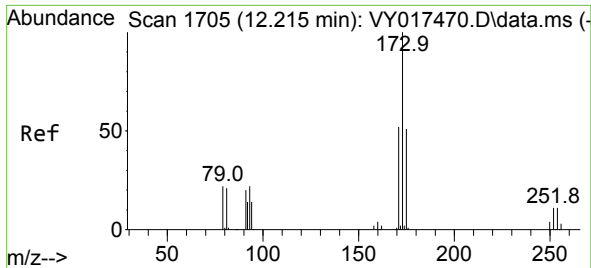
Ion Ratio Lower Upper

104 100

78 44.3 37.0 55.4

103 54.7 44.2 66.2

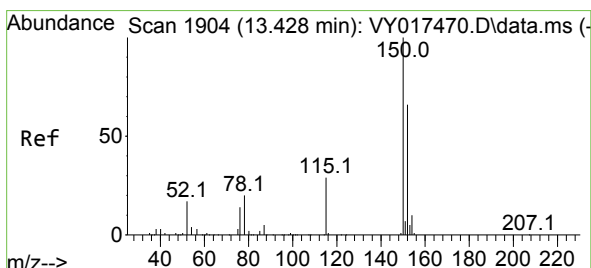
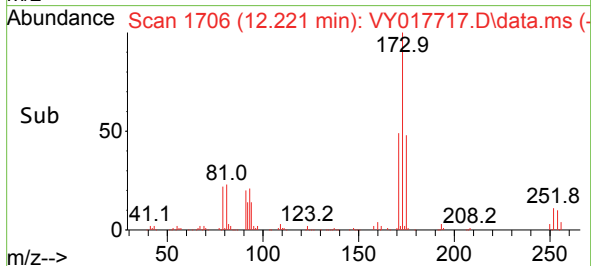
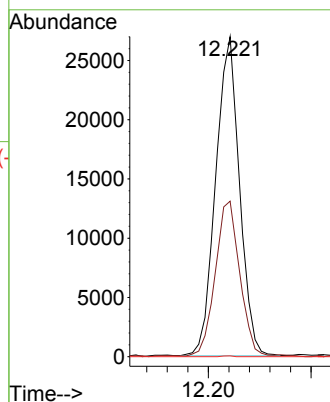
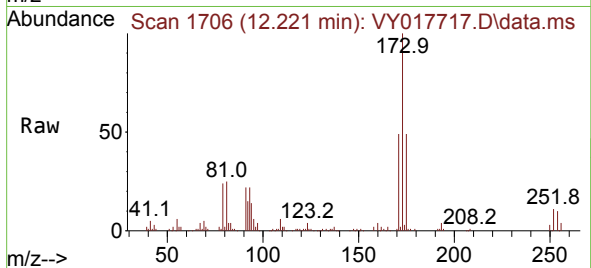




#71  
Bromoform  
Concen: 47.781 ug/l  
RT: 12.221 min Scan# 1706  
Delta R.T. 0.006 min  
Lab File: VY017717.D  
Acq: 19 Mar 2024 19:16

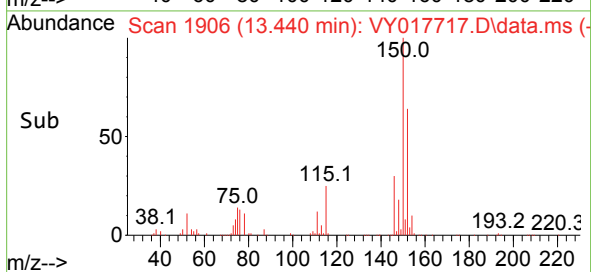
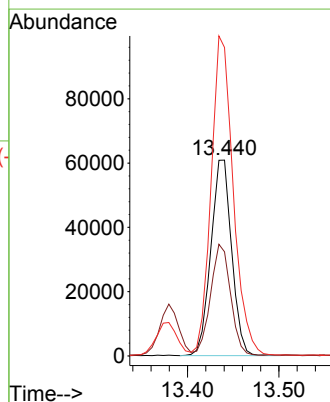
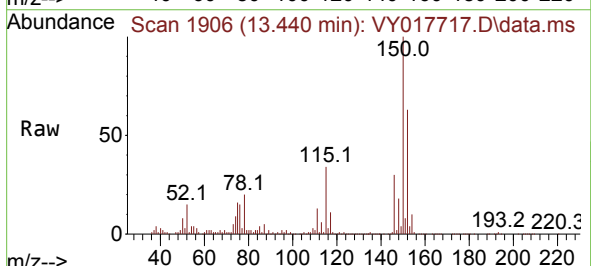
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

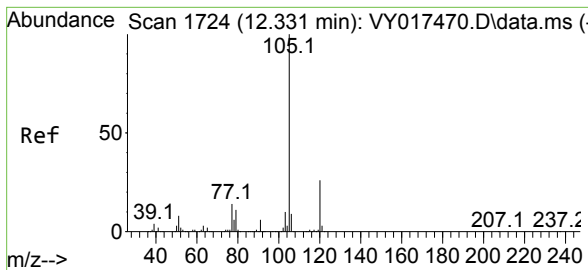
Tgt Ion:173 Resp: 43210  
Ion Ratio Lower Upper  
173 100  
175 49.8 25.1 75.3  
254 0.1 0.0 0.0#



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.440 min Scan# 1906  
Delta R.T. 0.012 min  
Lab File: VY017717.D  
Acq: 19 Mar 2024 19:16

Tgt Ion:152 Resp: 96144  
Ion Ratio Lower Upper  
152 100  
115 54.6 28.2 84.7  
150 173.6 0.0 345.6

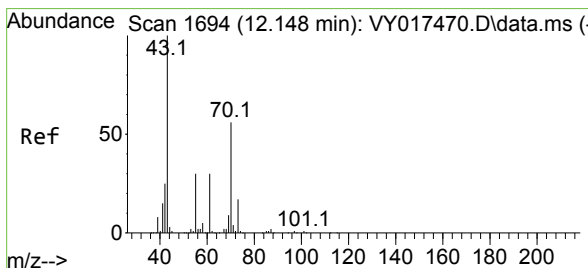
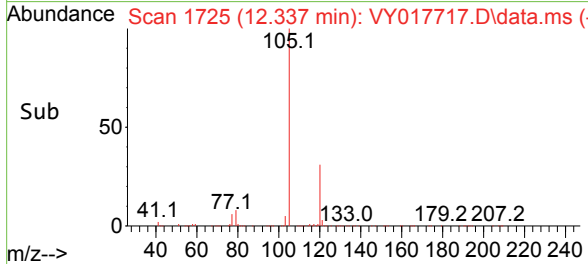
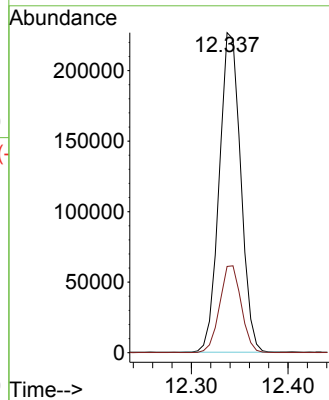
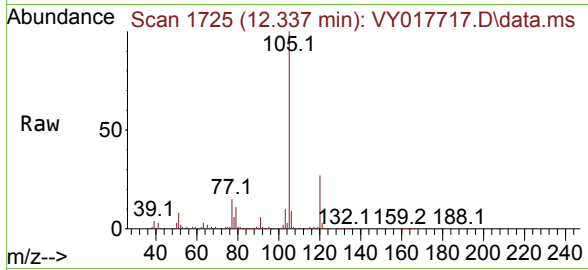




#73  
Isopropylbenzene  
Concen: 48.802 ug/l  
RT: 12.337 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY017717.D  
Acq: 19 Mar 2024 19:16

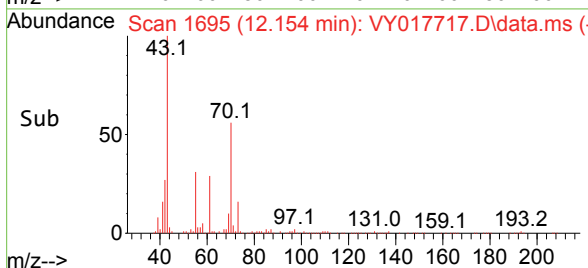
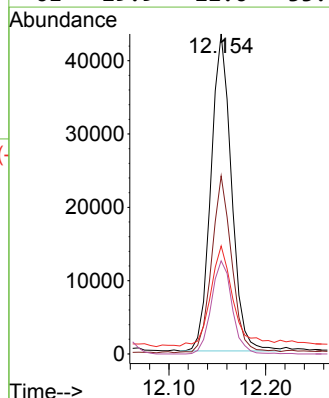
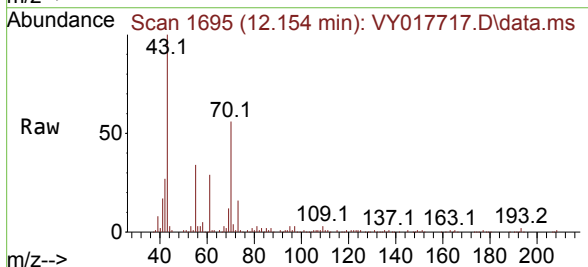
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

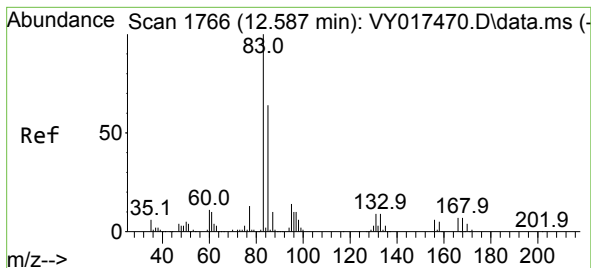
Tgt Ion:105 Resp: 348584  
Ion Ratio Lower Upper  
105 100  
120 27.3 13.4 40.1



#74  
N-ethyl acetate  
Concen: 50.674 ug/l  
RT: 12.154 min Scan# 1695  
Delta R.T. 0.006 min  
Lab File: VY017717.D  
Acq: 19 Mar 2024 19:16

Tgt Ion: 43 Resp: 63839  
Ion Ratio Lower Upper  
43 100  
70 54.7 41.4 62.2  
55 35.6 23.3 34.9#  
61 29.9 22.6 33.8





#75

1,1,2,2-Tetrachloroethane

Concen: 52.060 ug/l

RT: 12.593 min Scan# 1767

Delta R.T. 0.006 min

Lab File: VY017717.D

Acq: 19 Mar 2024 19:16

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

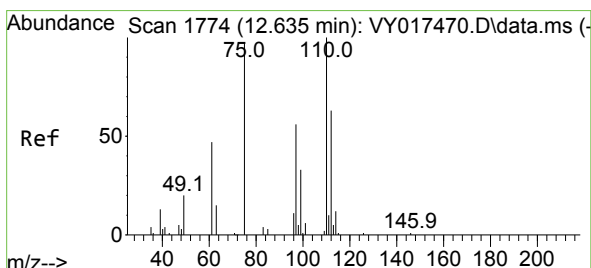
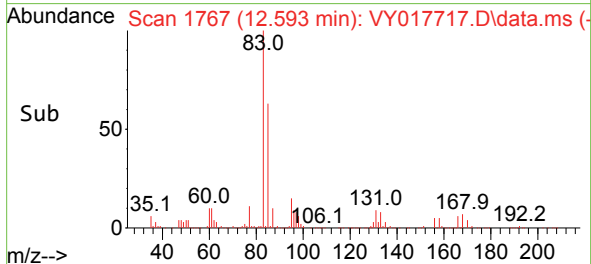
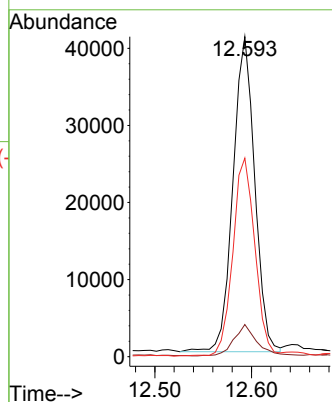
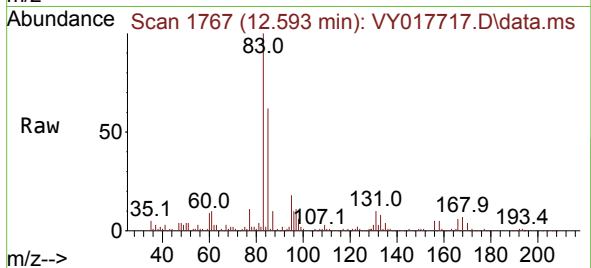
Tgt Ion: 83 Resp: 63856

Ion Ratio Lower Upper

83 100

131 10.5 5.0 14.9

85 64.1 32.0 96.0



#76

1,2,3-Trichloropropane

Concen: 84.991 ug/l

RT: 12.642 min Scan# 1775

Delta R.T. 0.006 min

Lab File: VY017717.D

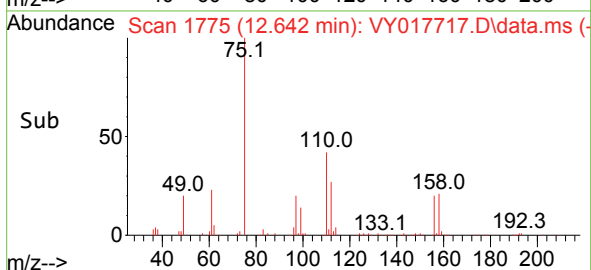
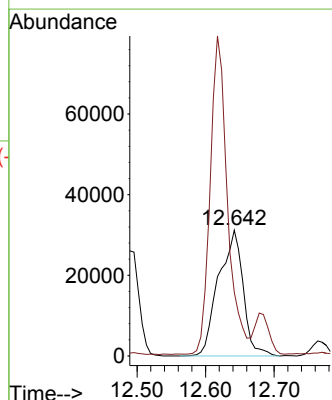
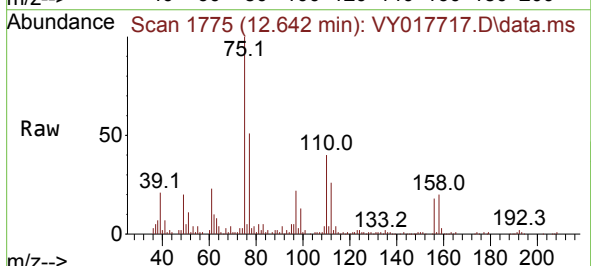
Acq: 19 Mar 2024 19:16

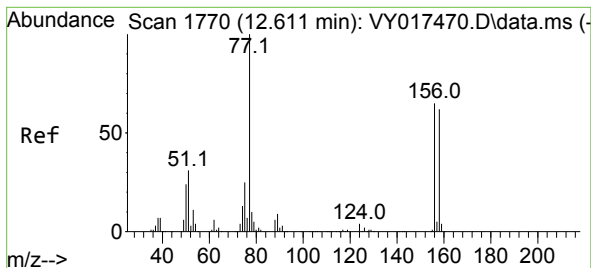
Tgt Ion: 75 Resp: 77640

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 47.693 ug/l

RT: 12.617 min Scan# 1771

Delta R.T. 0.006 min

Lab File: VY017717.D

Acq: 19 Mar 2024 19:16

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

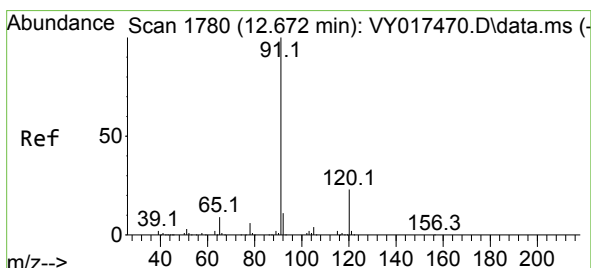
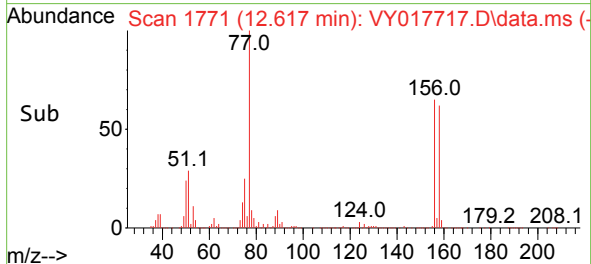
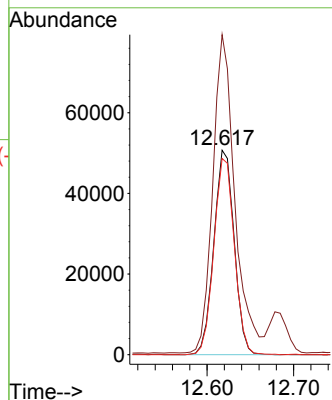
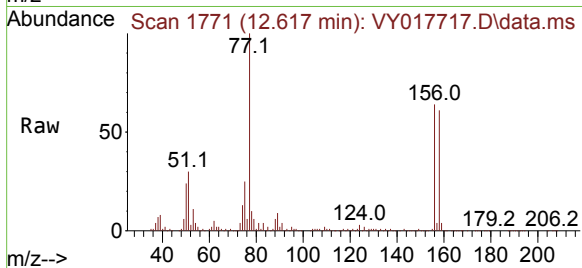
Tgt Ion:156 Resp: 82499

Ion Ratio Lower Upper

156 100

77 167.4 87.1 261.3

158 97.1 48.6 145.9



#78

n-propylbenzene

Concen: 48.579 ug/l

RT: 12.684 min Scan# 1782

Delta R.T. 0.012 min

Lab File: VY017717.D

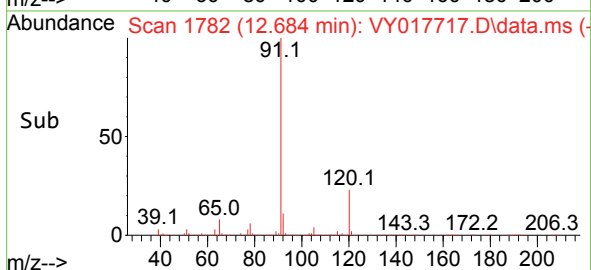
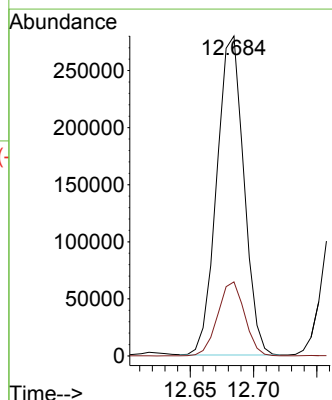
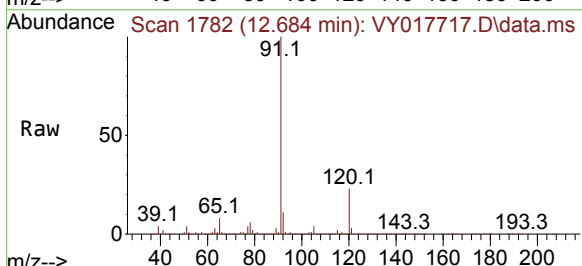
Acq: 19 Mar 2024 19:16

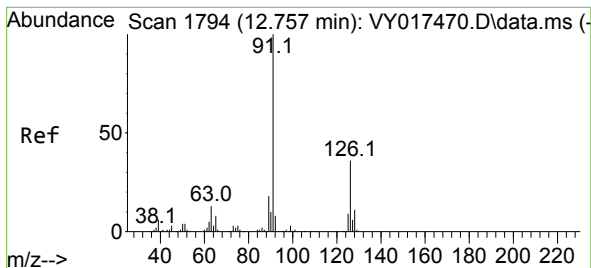
Tgt Ion: 91 Resp: 416358

Ion Ratio Lower Upper

91 100

120 23.1 11.5 34.4





#79

2-Chlorotoluene

Concen: 47.392 ug/l

RT: 12.764 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY017717.D

Acq: 19 Mar 2024 19:16

Instrument :

MSVOA\_Y

ClientSampleId :

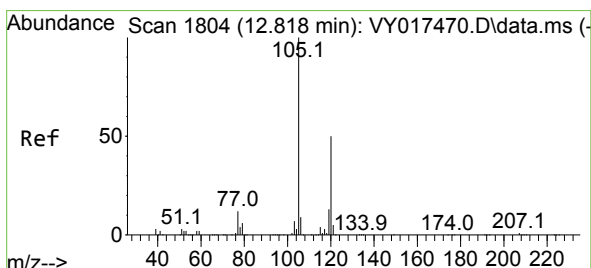
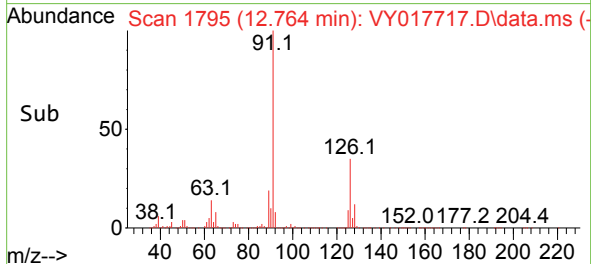
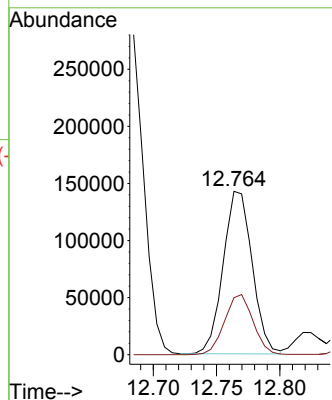
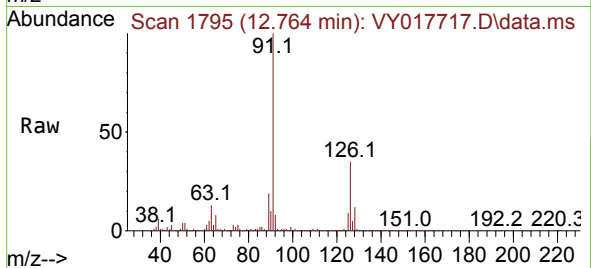
VSTDCCC050EC

Tgt Ion: 91 Resp: 227413

Ion Ratio Lower Upper

91 100

126 36.4 17.8 53.5



#80

1,3,5-Trimethylbenzene

Concen: 49.231 ug/l

RT: 12.825 min Scan# 1805

Delta R.T. 0.006 min

Lab File: VY017717.D

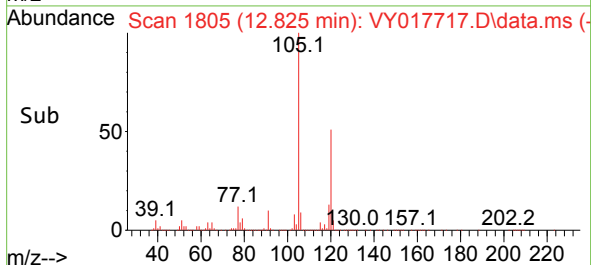
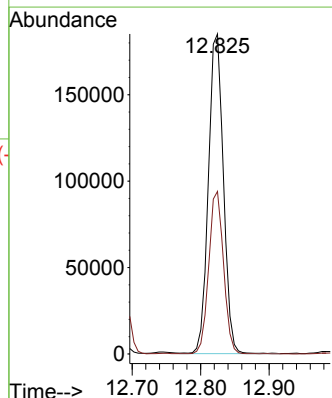
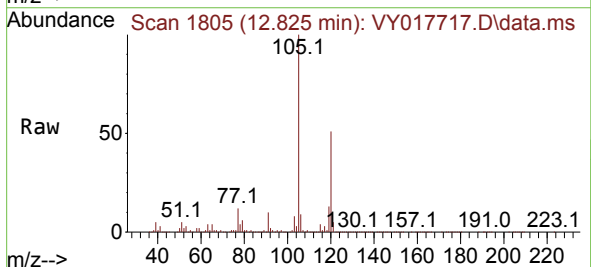
Acq: 19 Mar 2024 19:16

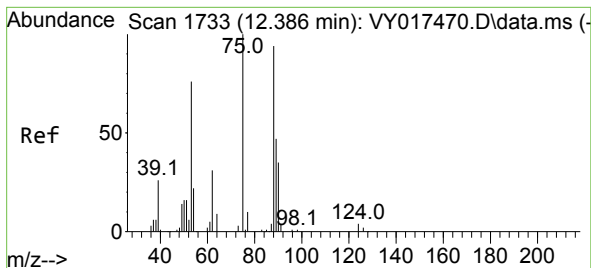
Tgt Ion: 105 Resp: 281731

Ion Ratio Lower Upper

105 100

120 50.0 25.1 75.2

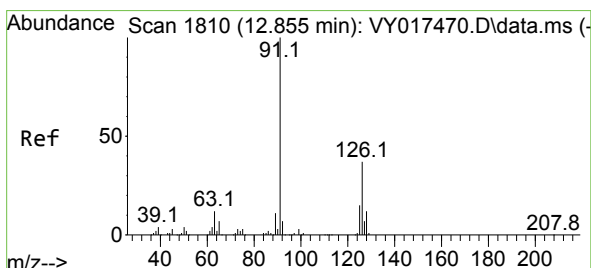
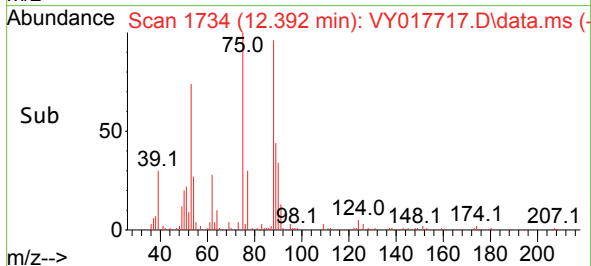
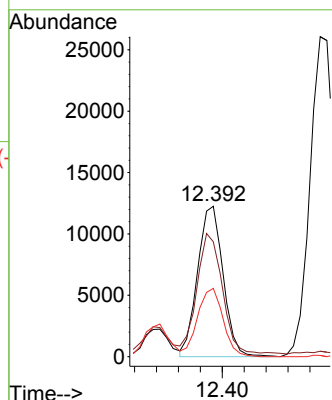
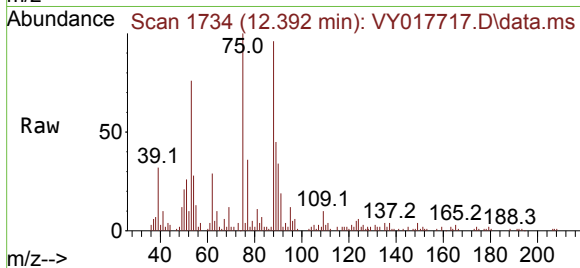




#81  
trans-1,4-Dichloro-2-butene  
Concen: 49.796 ug/l  
RT: 12.392 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY017717.D  
Acq: 19 Mar 2024 19:16

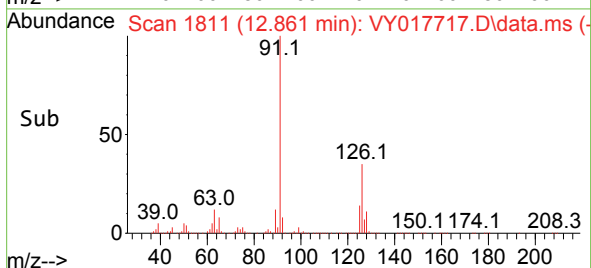
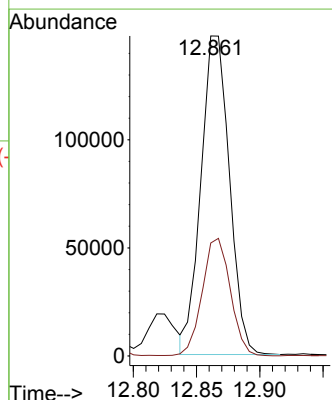
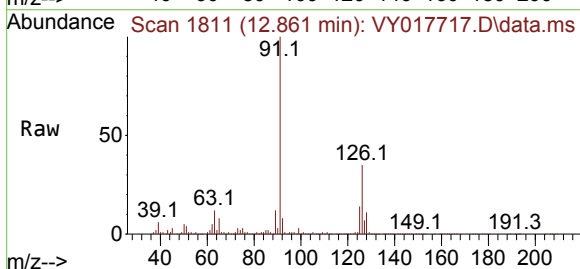
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

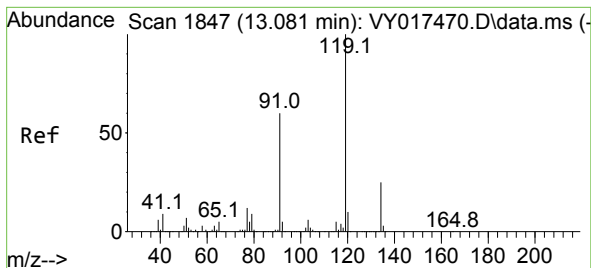
Tgt Ion: 75 Resp: 19797  
Ion Ratio Lower Upper  
75 100  
53 79.4 66.8 100.2  
89 45.5 35.8 53.6



#82  
4-Chlorotoluene  
Concen: 47.141 ug/l  
RT: 12.861 min Scan# 1811  
Delta R.T. 0.006 min  
Lab File: VY017717.D  
Acq: 19 Mar 2024 19:16

Tgt Ion: 91 Resp: 231368  
Ion Ratio Lower Upper  
91 100  
126 36.4 17.6 52.9





#83

tert-Butylbenzene

Concen: 49.776 ug/l

RT: 13.087 min Scan# 1848

Delta R.T. 0.006 min

Lab File: VY017717.D

Acq: 19 Mar 2024 19:16

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

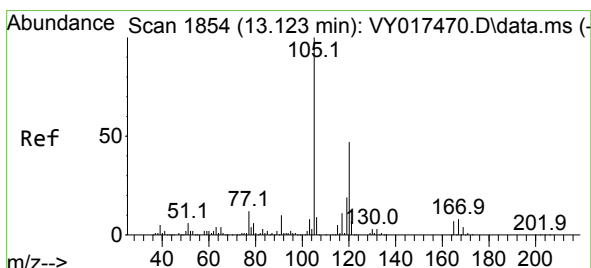
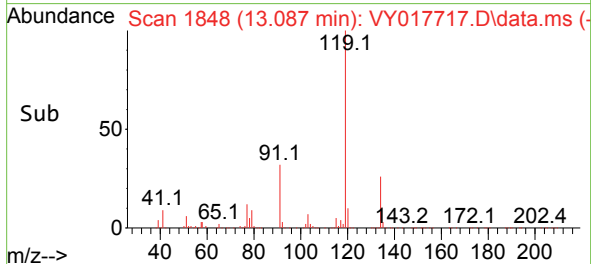
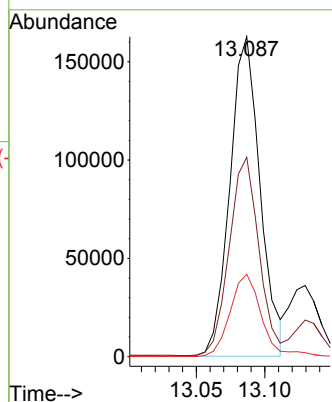
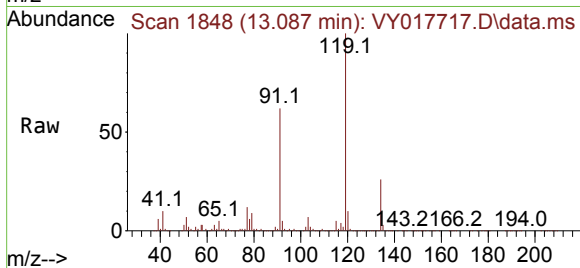
Tgt Ion:119 Resp: 250131

Ion Ratio Lower Upper

119 100

91 60.8 31.3 93.8

134 26.7 13.4 40.1



#84

1,2,4-Trimethylbenzene

Concen: 49.042 ug/l

RT: 13.129 min Scan# 1855

Delta R.T. 0.006 min

Lab File: VY017717.D

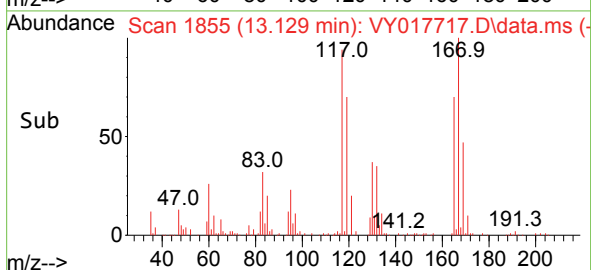
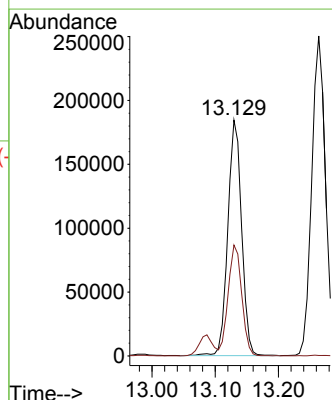
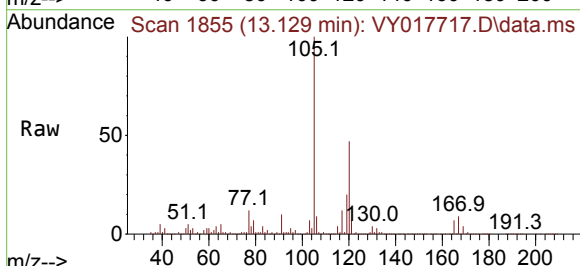
Acq: 19 Mar 2024 19:16

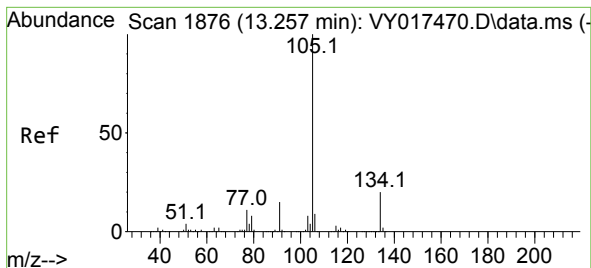
Tgt Ion:105 Resp: 277071

Ion Ratio Lower Upper

105 100

120 46.6 23.2 69.6





#85

sec-Butylbenzene

Concen: 48.502 ug/l

RT: 13.264 min Scan# 1877

Delta R.T. 0.006 min

Lab File: VY017717.D

Acq: 19 Mar 2024 19:16

Instrument :

MSVOA\_Y

ClientSampleId :

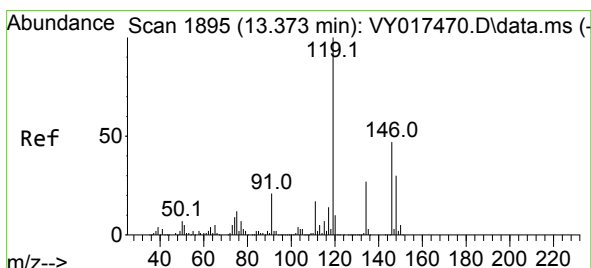
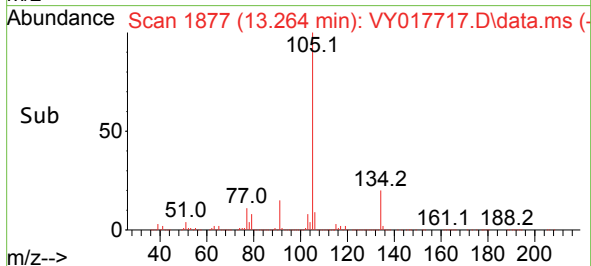
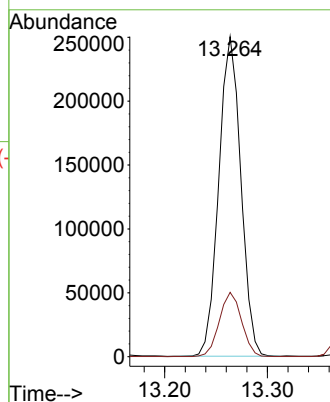
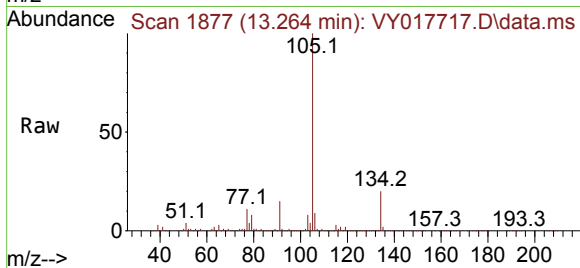
VSTDCCC050EC

Tgt Ion:105 Resp: 372635

Ion Ratio Lower Upper

105 100

134 20.3 10.1 30.1



#86

p-Isopropyltoluene

Concen: 48.770 ug/l

RT: 13.379 min Scan# 1896

Delta R.T. 0.006 min

Lab File: VY017717.D

Acq: 19 Mar 2024 19:16

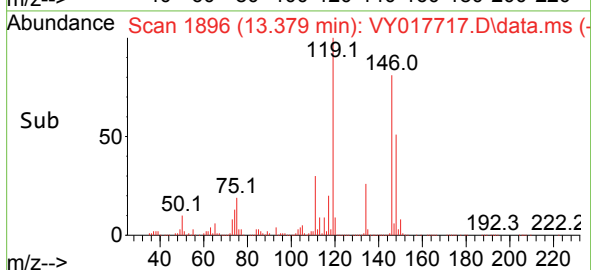
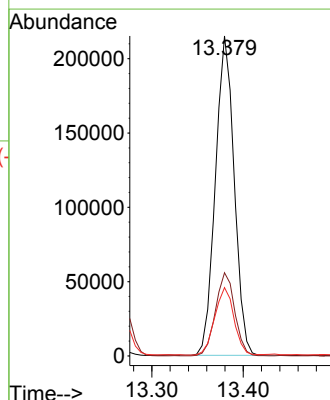
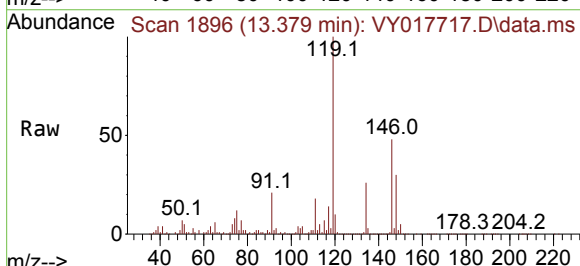
Tgt Ion:119 Resp: 306724

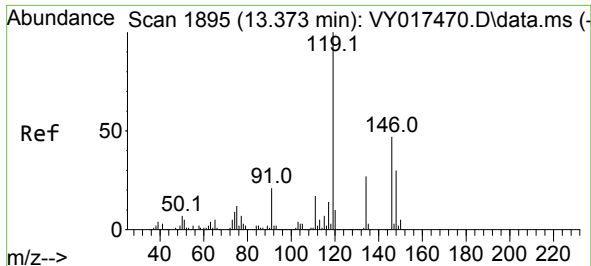
Ion Ratio Lower Upper

119 100

134 26.6 13.1 39.3

91 21.5 10.7 32.1

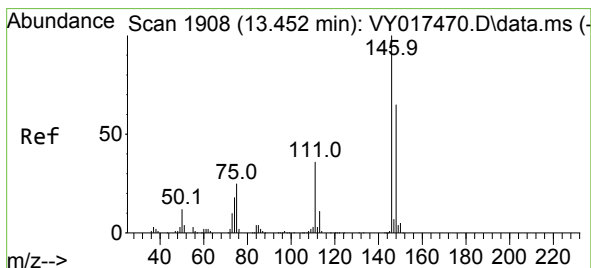
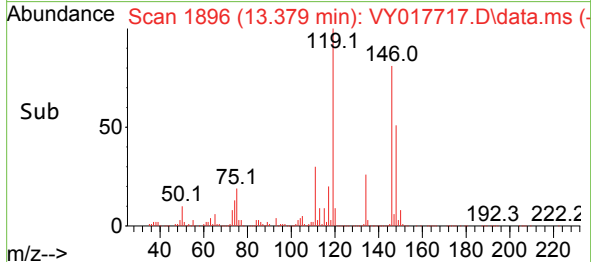
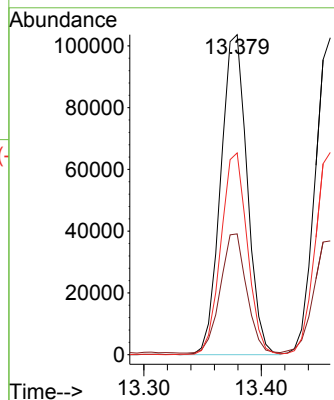
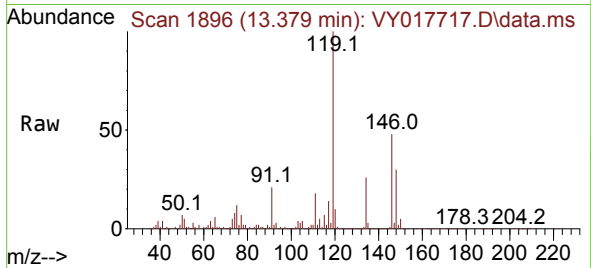




#87  
1,3-Dichlorobenzene  
Concen: 46.686 ug/l  
RT: 13.379 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY017717.D  
Acq: 19 Mar 2024 19:16

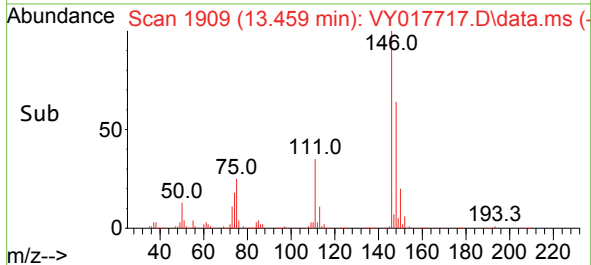
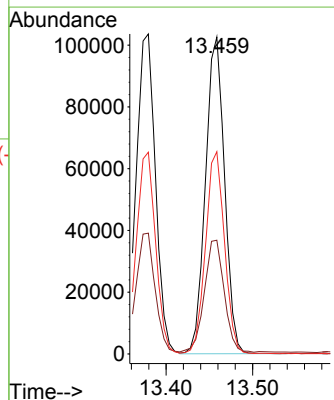
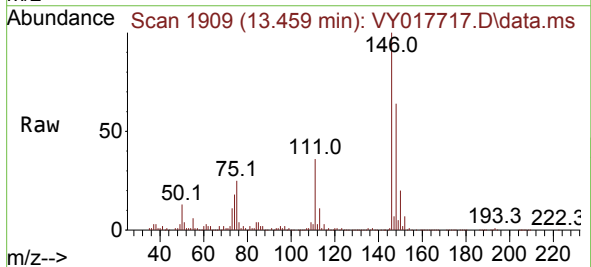
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

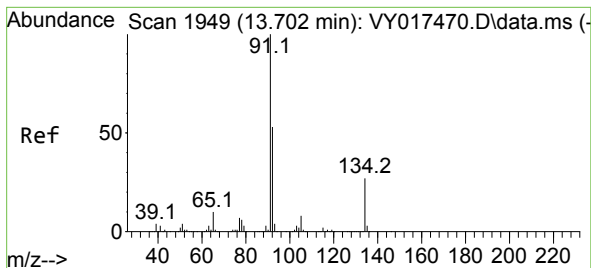
Tgt Ion:146 Resp: 162095  
Ion Ratio Lower Upper  
146 100  
111 37.0 19.0 57.0  
148 62.9 31.7 95.1



#88  
1,4-Dichlorobenzene  
Concen: 46.453 ug/l  
RT: 13.459 min Scan# 1909  
Delta R.T. 0.006 min  
Lab File: VY017717.D  
Acq: 19 Mar 2024 19:16

Tgt Ion:146 Resp: 156803  
Ion Ratio Lower Upper  
146 100  
111 36.8 18.4 55.4  
148 63.6 32.4 97.2





#89

n-Butylbenzene

Concen: 48.412 ug/l

RT: 13.709 min Scan# 1949

Delta R.T. 0.006 min

Lab File: VY017717.D

Acq: 19 Mar 2024 19:16

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

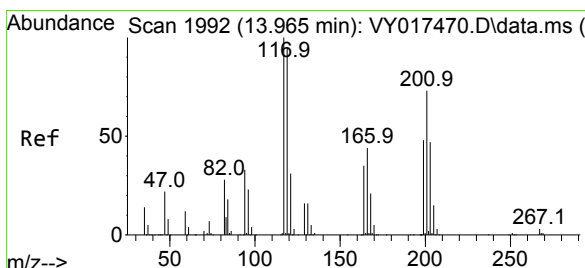
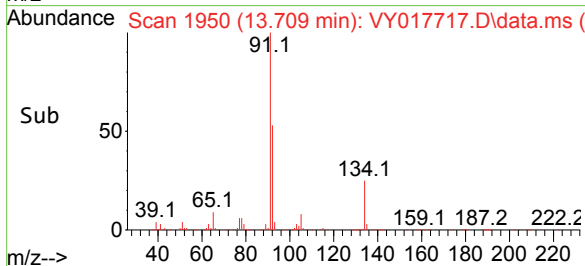
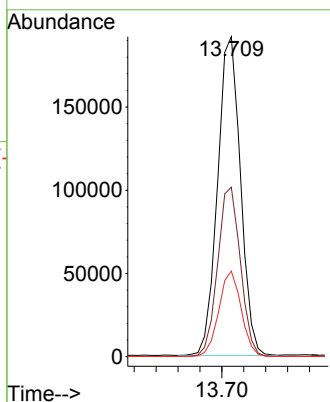
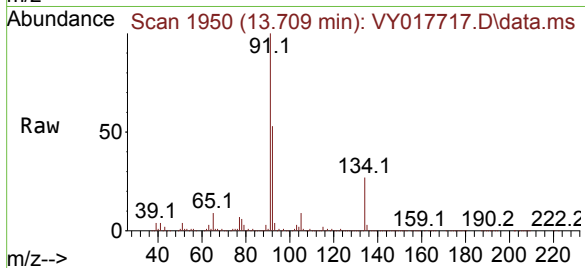
Tgt Ion: 91 Resp: 277796

Ion Ratio Lower Upper

91 100

92 52.9 26.6 79.7

134 26.3 12.9 38.7



#90

Hexachloroethane

Concen: 47.468 ug/l

RT: 13.971 min Scan# 1993

Delta R.T. 0.006 min

Lab File: VY017717.D

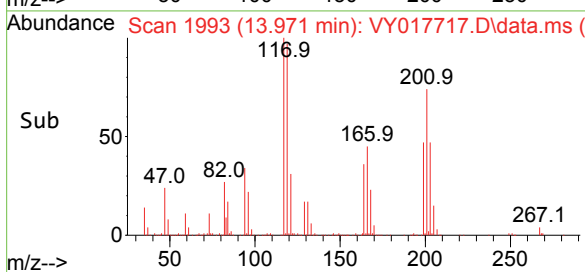
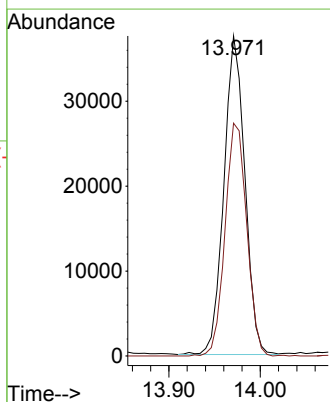
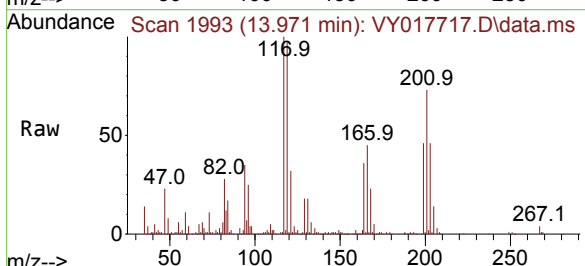
Acq: 19 Mar 2024 19:16

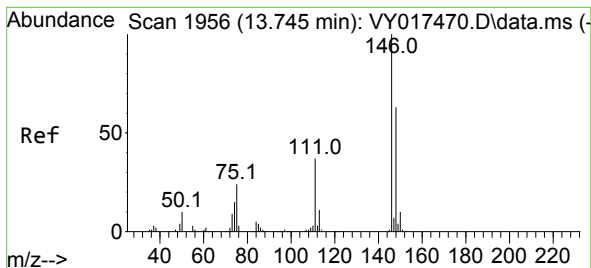
Tgt Ion: 117 Resp: 59852

Ion Ratio Lower Upper

117 100

201 75.6 37.4 112.2

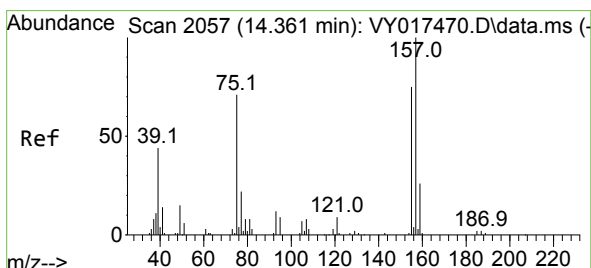
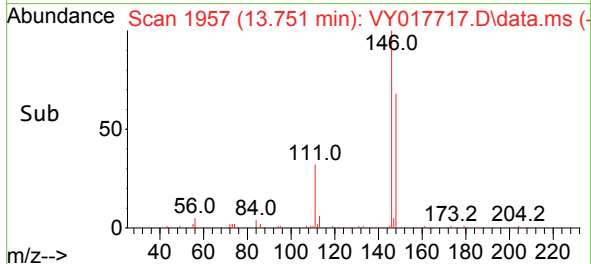
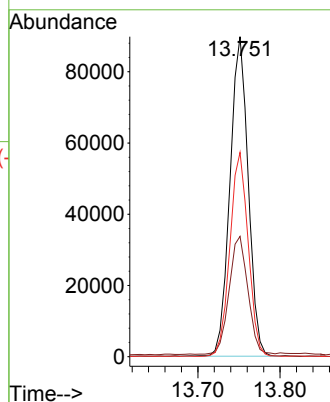
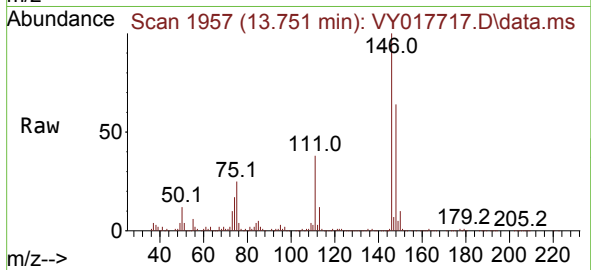




#91  
1,2-Dichlorobenzene  
Concen: 47.113 ug/l  
RT: 13.751 min Scan# 1956  
Delta R.T. 0.006 min  
Lab File: VY017717.D  
Acq: 19 Mar 2024 19:16

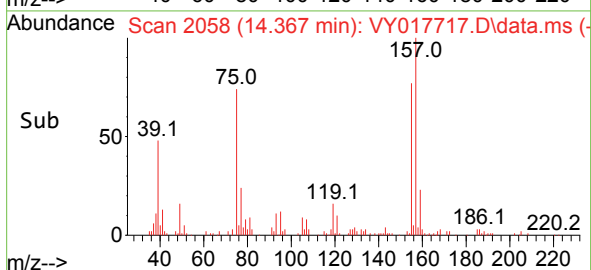
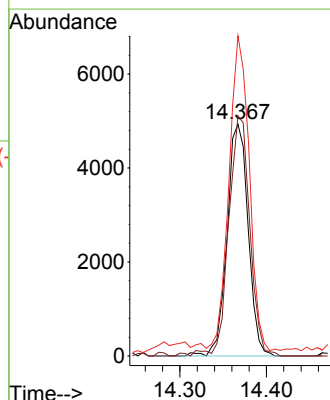
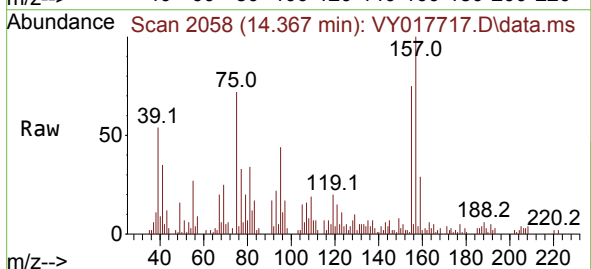
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

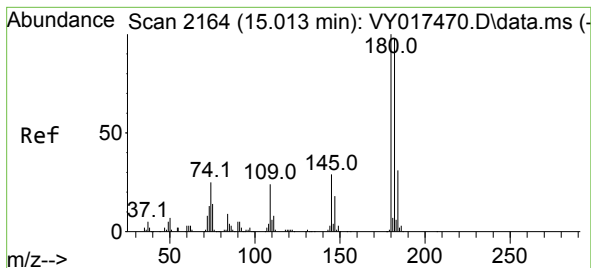
Tgt Ion:146 Resp: 138365  
Ion Ratio Lower Upper  
146 100  
111 37.9 19.9 59.7  
148 64.1 31.8 95.4



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 48.319 ug/l  
RT: 14.367 min Scan# 2058  
Delta R.T. 0.006 min  
Lab File: VY017717.D  
Acq: 19 Mar 2024 19:16

Tgt Ion: 75 Resp: 8332  
Ion Ratio Lower Upper  
75 100  
155 104.1 48.6 145.8  
157 130.1 62.7 188.2





#93

1,2,4-Trichlorobenzene

Concen: 48.597 ug/l

RT: 15.019 min Scan# 2165

Delta R.T. 0.006 min

Lab File: VY017717.D

Acq: 19 Mar 2024 19:16

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

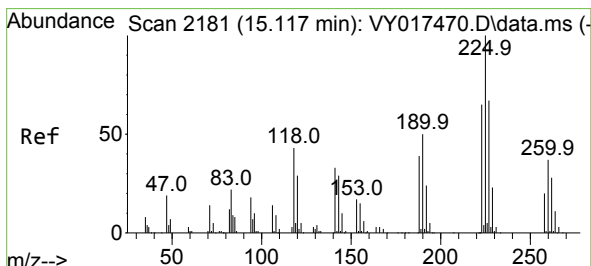
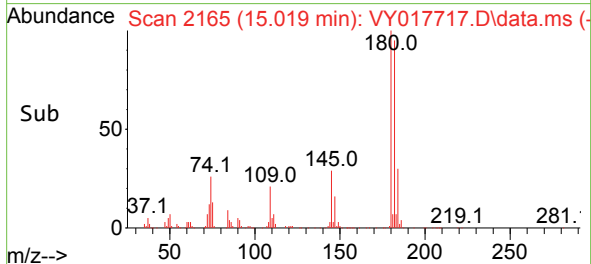
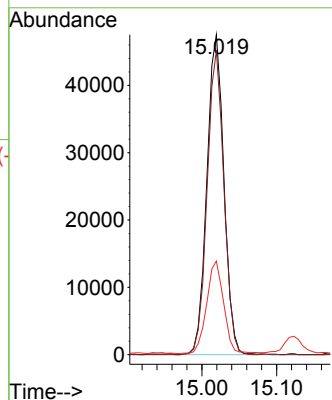
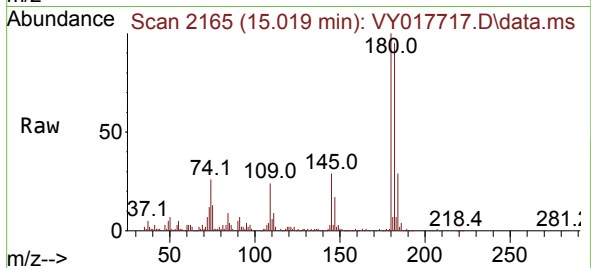
Tgt Ion:180 Resp: 75386

Ion Ratio Lower Upper

180 100

182 93.2 47.9 143.8

145 28.7 14.2 42.6



#94

Hexachlorobutadiene

Concen: 42.983 ug/l

RT: 15.123 min Scan# 2182

Delta R.T. 0.006 min

Lab File: VY017717.D

Acq: 19 Mar 2024 19:16

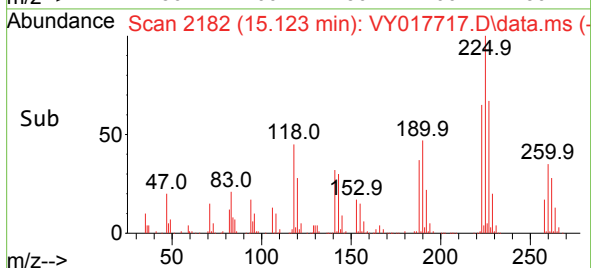
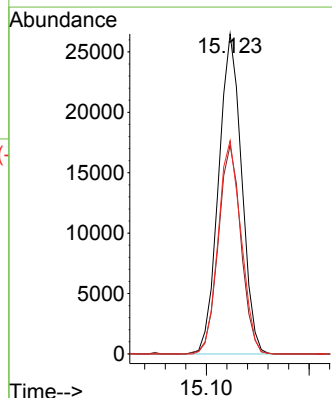
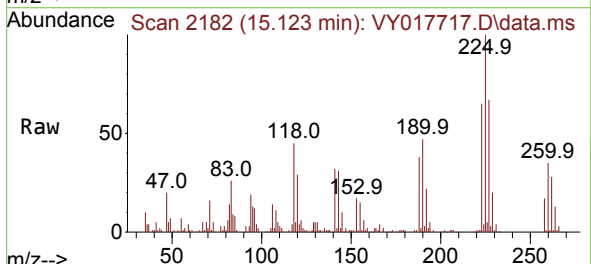
Tgt Ion:225 Resp: 41167

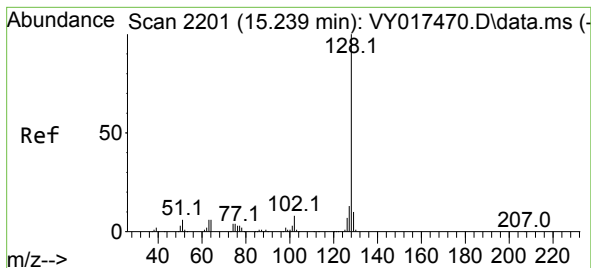
Ion Ratio Lower Upper

225 100

223 64.0 30.4 91.2

227 66.3 31.9 95.9





#95

Naphthalene

Concen: 47.835 ug/l

RT: 15.245 min Scan# 2201

Delta R.T. 0.006 min

Lab File: VY017717.D

Acq: 19 Mar 2024 19:16

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

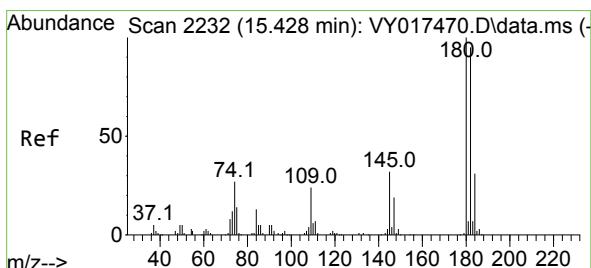
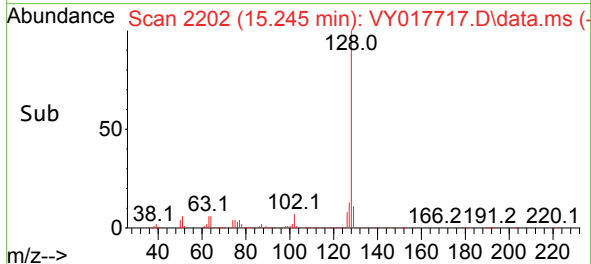
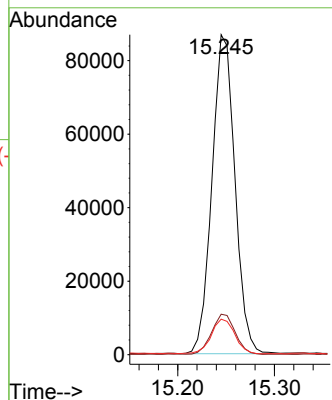
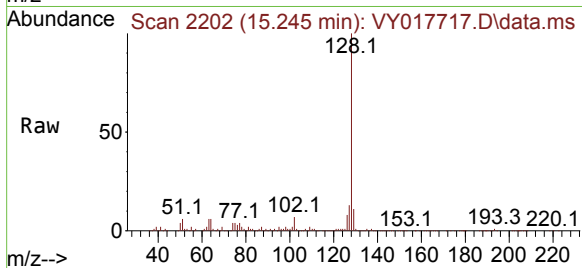
Tgt Ion:128 Resp: 143230

Ion Ratio Lower Upper

128 100

127 13.0 10.6 16.0

129 11.3 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 47.289 ug/l

RT: 15.434 min Scan# 2233

Delta R.T. 0.006 min

Lab File: VY017717.D

Acq: 19 Mar 2024 19:16

Tgt Ion:180 Resp: 62932

Ion Ratio Lower Upper

180 100

182 93.3 47.6 142.9

145 29.5 15.4 46.1

