

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY021424\  
 Data File : VY017378.D  
 Acq On : 14 Feb 2024 12:34  
 Operator : SY/MD  
 Sample : VSTDIC150  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Feb 15 02:19:57 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y021424S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Feb 15 01:05:41 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.795  | 168  | 132055   | 50.000 | ug/l  | -0.01    |
| 34) 1,4-Difluorobenzene    | 8.697  | 114  | 212656   | 50.000 | ug/l  | -0.01    |
| 63) Chlorobenzene-d5       | 11.502 | 117  | 180894   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.440 | 152  | 76198    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |             |       |
|-----------------------------|--------|-------|----------|----------|-------------|-------|
| System Monitoring Compounds |        |       |          |          |             |       |
| 33) 1,2-Dichloroethane-d4   | 8.149  | 65    | 191736   | 136.830  | ug/l        | 0.00  |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 273.660%# |       |
| 35) Dibromofluoromethane    | 7.722  | 113   | 201542   | 148.650  | ug/l        | -0.01 |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 297.300%# |       |
| 50) Toluene-d8              | 10.191 | 98    | 805015   | 153.234  | ug/l        | 0.00  |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | = 306.460%# |       |
| 62) 4-Bromofluorobenzene    | 12.495 | 95    | 240726   | 149.470  | ug/l        | 0.00  |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | = 298.940%# |       |

|                              |       |     |         |         |        |     |
|------------------------------|-------|-----|---------|---------|--------|-----|
| Target Compounds             |       |     |         |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.906 | 85  | 168853  | 150.122 | ug/l   | 97  |
| 3) Chloromethane             | 2.113 | 50  | 289911  | 136.232 | ug/l   | 100 |
| 4) Vinyl Chloride            | 2.253 | 62  | 351954  | 138.598 | ug/l   | 100 |
| 5) Bromomethane              | 2.643 | 94  | 244507  | 135.645 | ug/l   | 96  |
| 6) Chloroethane              | 2.796 | 64  | 219133  | 135.424 | ug/l   | 99  |
| 7) Trichlorofluoromethane    | 3.125 | 101 | 358581  | 140.542 | ug/l   | 99  |
| 8) Diethyl Ether             | 3.534 | 74  | 102046  | 138.522 | ug/l   | 97  |
| 9) 1,1,2-Trichlorotrifluo... | 3.899 | 101 | 209535  | 136.506 | ug/l   | 100 |
| 10) Methyl Iodide            | 4.094 | 142 | 231363  | 153.345 | ug/l   | 99  |
| 11) Tert butyl alcohol       | 4.954 | 59  | 55240   | 736.120 | ug/l   | 98  |
| 12) 1,1-Dichloroethene       | 3.875 | 96  | 202743  | 143.204 | ug/l   | 99  |
| 13) Acrolein                 | 3.729 | 56  | 90577   | 598.154 | ug/l   | 99  |
| 14) Allyl chloride           | 4.485 | 41  | 299563  | 143.097 | ug/l   | 97  |
| 15) Acrylonitrile            | 5.167 | 53  | 208442  | 657.721 | ug/l   | 100 |
| 16) Acetone                  | 3.948 | 43  | 202933  | 750.074 | ug/l   | 99  |
| 17) Carbon Disulfide         | 4.198 | 76  | 628425  | 139.146 | ug/l   | 99  |
| 18) Methyl Acetate           | 4.479 | 43  | 182067  | 132.568 | ug/l   | 100 |
| 19) Methyl tert-butyl Ether  | 5.228 | 73  | 453561  | 144.118 | ug/l   | 100 |
| 20) Methylene Chloride       | 4.722 | 84  | 207486  | 147.290 | ug/l   | 99  |
| 21) trans-1,2-Dichloroethene | 5.228 | 96  | 230195  | 142.322 | ug/l   | 99  |
| 22) Diisopropyl ether        | 6.125 | 45  | 630266  | 140.489 | ug/l   | 96  |
| 23) Vinyl Acetate            | 6.064 | 43  | 1477420 | 747.299 | ug/l   | 99  |
| 24) 1,1-Dichloroethane       | 6.021 | 63  | 384420  | 137.338 | ug/l   | 99  |
| 25) 2-Butanone               | 6.990 | 43  | 287290  | 626.866 | ug/l   | 97  |
| 26) 2,2-Dichloropropane      | 6.984 | 77  | 350654  | 146.265 | ug/l   | 99  |
| 27) cis-1,2-Dichloroethene   | 6.996 | 96  | 250485  | 143.842 | ug/l   | 99  |
| 28) Bromochloromethane       | 7.338 | 49  | 145738  | 144.394 | ug/l   | 97  |
| 29) Tetrahydrofuran          | 7.356 | 42  | 168322  | 662.287 | ug/l   | 99  |
| 30) Chloroform               | 7.515 | 83  | 385381  | 138.075 | ug/l   | 98  |
| 31) Cyclohexane              | 7.789 | 56  | 360828  | 135.262 | ug/l   | 98  |
| 32) 1,1,1-Trichloroethane    | 7.710 | 97  | 354582  | 143.183 | ug/l   | 99  |
| 36) 1,1-Dichloropropene      | 7.923 | 75  | 326163  | 146.925 | ug/l   | 100 |
| 37) Ethyl Acetate            | 7.082 | 43  | 114461  | 126.826 | ug/l   | 99  |
| 38) Carbon Tetrachloride     | 7.911 | 117 | 322007  | 151.167 | ug/l   | 100 |
| 39) Methylcyclohexane        | 9.191 | 83  | 409735  | 154.152 | ug/l   | 98  |
| 40) Benzene                  | 8.167 | 78  | 917691  | 147.548 | ug/l   | 99  |

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 Operator : SY/MD  
 Sample : VSTDICC150  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Feb 15 02:19:57 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y021424S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Feb 15 01:05:41 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.313  | 41   | 71229    | 154.849  | ug/l   | 98       |
| 42) 1,2-Dichloroethane        | 8.246  | 62   | 221737   | 140.081  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 8.277  | 43   | 228134   | 141.114  | ug/l   | 99       |
| 44) Trichloroethene           | 8.947  | 130  | 240642   | 149.729  | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 9.222  | 63   | 217965   | 145.615  | ug/l   | 99       |
| 46) Dibromomethane            | 9.313  | 93   | 110826   | 142.683  | ug/l   | 99       |
| 47) Bromodichloromethane      | 9.508  | 83   | 290478   | 145.403  | ug/l   | 96       |
| 48) Methyl methacrylate       | 9.301  | 41   | 133761   | 156.929  | ug/l   | 97       |
| 49) 1,4-Dioxane               | 9.307  | 88   | 22521    | 2813.905 | ug/l   | 94       |
| 51) 4-Methyl-2-Pentanone      | 10.081 | 43   | 605801   | 689.670  | ug/l   | 99       |
| 52) Toluene                   | 10.252 | 92   | 570086   | 150.831  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.477 | 75   | 279243   | 150.878  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 9.935  | 75   | 341754   | 150.842  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 10.654 | 97   | 149949   | 140.766  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 10.520 | 69   | 145170   | 133.704  | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 10.801 | 76   | 261215   | 142.376  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.789  | 63   | 512096   | 735.390  | ug/l   | 100      |
| 59) 2-Hexanone                | 10.843 | 43   | 425090   | 673.434  | ug/l   | 98       |
| 60) Dibromochloromethane      | 10.996 | 129  | 183116   | 148.017  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.099 | 107  | 139605   | 142.906  | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.727 | 164  | 196244   | 146.732  | ug/l   | 99       |
| 65) Chlorobenzene             | 11.526 | 112  | 569978   | 148.621  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.599 | 131  | 213786   | 154.974  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.605 | 91   | 1118598  | 158.350  | ug/l   | 100      |
| 68) m/p-Xylenes               | 11.715 | 106  | 835159   | 313.562  | ug/l   | 100      |
| 69) o-Xylene                  | 12.038 | 106  | 382891   | 158.912  | ug/l   | 99       |
| 70) Styrene                   | 12.056 | 104  | 552769   | 149.536  | ug/l   | 99       |
| 71) Bromoform                 | 12.221 | 173  | 98023    | 146.563  | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.343 | 105  | 1012527  | 159.452  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.154 | 43   | 185049   | 147.391  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 12.593 | 83   | 158602   | 139.368  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.642 | 75   | 204213   | 259.763  | ug/l # | 100      |
| 77) Bromobenzene              | 12.623 | 156  | 204760   | 153.119  | ug/l   | 98       |
| 78) n-propylbenzene           | 12.684 | 91   | 1210898  | 154.894  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 12.770 | 91   | 644450   | 151.068  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.825 | 105  | 792967   | 158.897  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.392 | 75   | 51627    | 150.114  | ug/l   | 96       |
| 82) 4-Chlorotoluene           | 12.867 | 91   | 656606   | 149.513  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.087 | 119  | 687577   | 157.763  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.129 | 105  | 782543   | 158.847  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.264 | 105  | 983162   | 147.840  | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 13.379 | 119  | 862466   | 160.270  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 13.379 | 146  | 412198   | 152.300  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.459 | 146  | 378613   | 143.810  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.709 | 91   | 786445   | 150.453  | ug/l   | 99       |
| 90) Hexachloroethane          | 13.971 | 117  | 164952   | 147.881  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 13.751 | 146  | 327013   | 146.614  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.367 | 75   | 19617    | 138.805  | ug/l   | 97       |
| 93) 1,2,4-Trichlorobenzene    | 15.019 | 180  | 164036   | 147.405  | ug/l   | 100      |
| 94) Hexachlorobutadiene       | 15.123 | 225  | 91024    | 132.525  | ug/l   | 99       |
| 95) Naphthalene               | 15.251 | 128  | 303752   | 156.853  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.434 | 180  | 132426   | 141.842  | ug/l   | 98       |

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Operator : SY/MD  
Sample : VSTDICC150  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

Quant Time: Feb 15 02:19:57 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y021424S.M  
Quant Title : SW846 8260  
QLast Update : Thu Feb 15 01:05:41 2024  
Response via : Initial Calibration

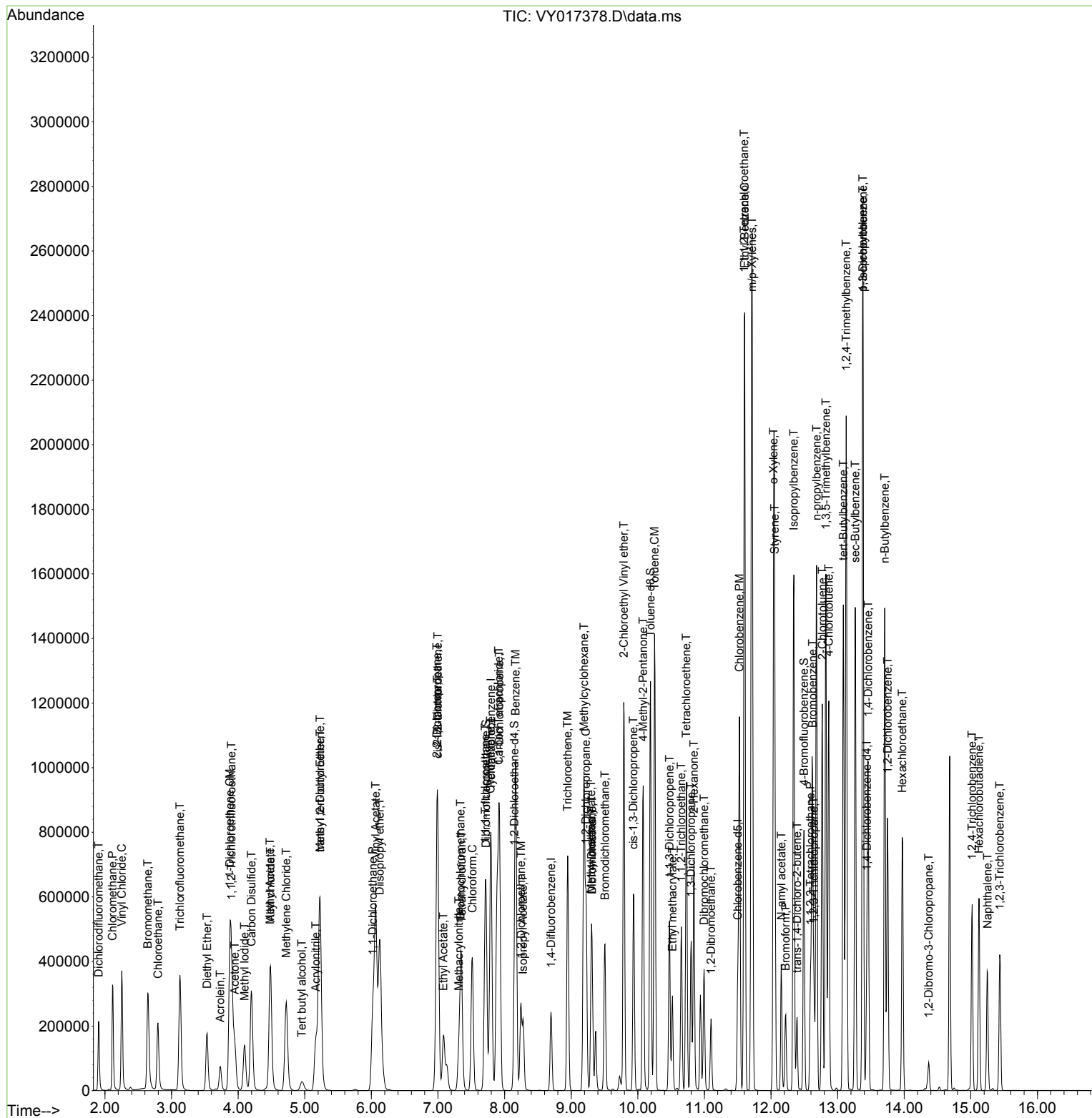
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

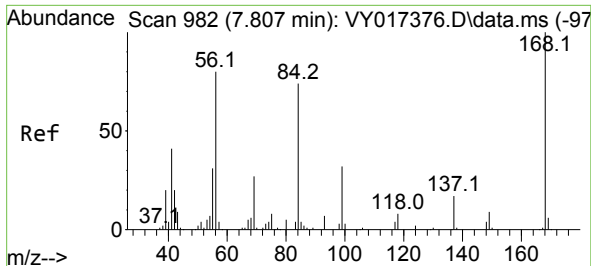
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Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY021424\  
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Sample : VSTDIC150  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y021424S.M  
Quant Title : SW846 8260  
QLast Update : Thu Feb 15 01:05:41 2024  
Response via : Initial Calibration

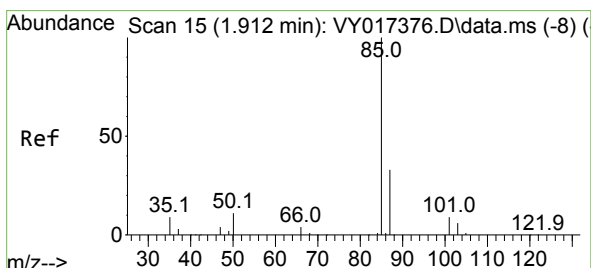
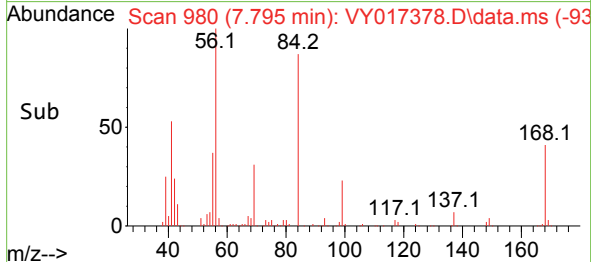
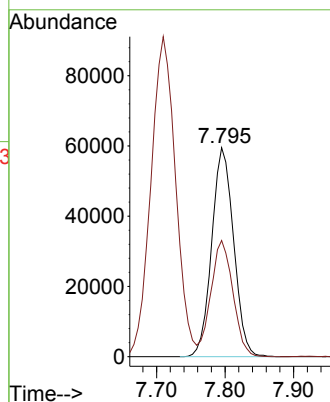
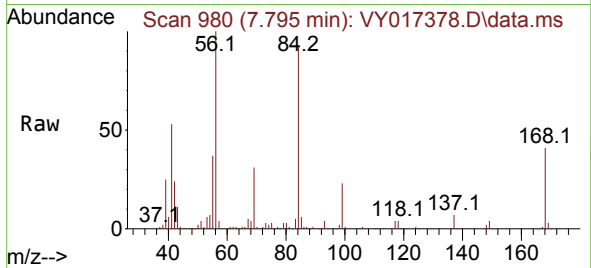




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. -0.012 min  
Lab File: VY017378.D  
Acq: 14 Feb 2024 12:34

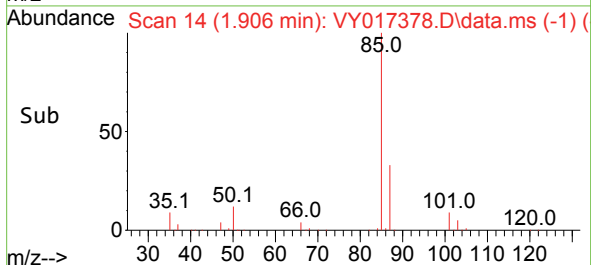
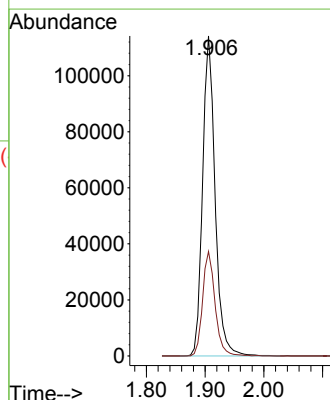
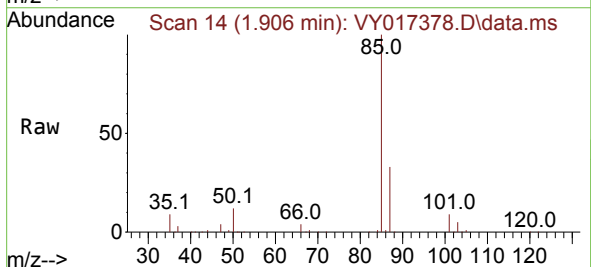
Instrument :  
MSVOA\_Y  
ClientSampleId :

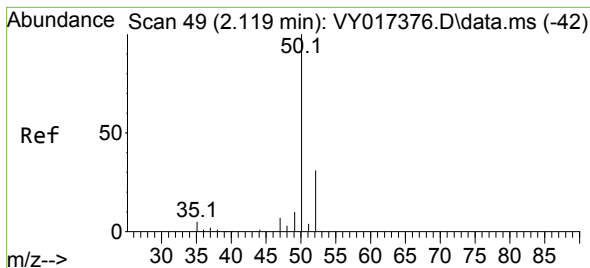
Tgt Ion:168 Resp: 132055  
Ion Ratio Lower Upper  
168 100  
99 55.6 44.2 66.4



#2  
Dichlorodifluoromethane  
Concen: 150.122 ug/l  
RT: 1.906 min Scan# 14  
Delta R.T. -0.006 min  
Lab File: VY017378.D  
Acq: 14 Feb 2024 12:34

Tgt Ion: 85 Resp: 168853  
Ion Ratio Lower Upper  
85 100  
87 32.6 17.1 51.3





#3

Chloromethane

Concen: 136.232 ug/l

RT: 2.113 min Scan# 41

Delta R.T. -0.006 min

Lab File: VY017378.D

Acq: 14 Feb 2024 12:34

Instrument :

MSVOA\_Y

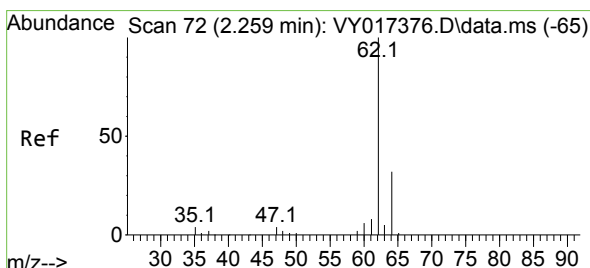
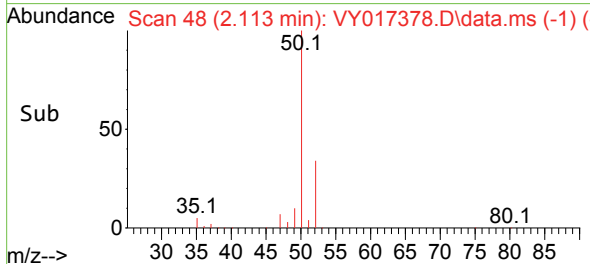
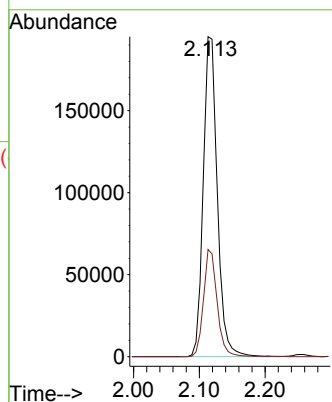
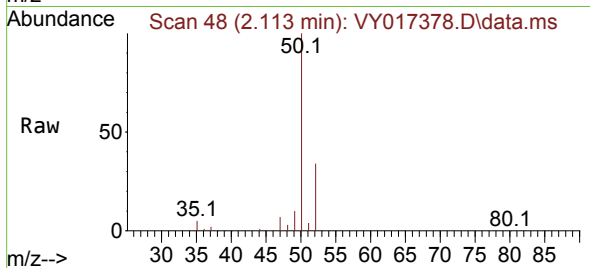
ClientSampleId :

Tgt Ion: 50 Resp: 289911

Ion Ratio Lower Upper

50 100

52 33.5 26.7 40.1



#4

Vinyl Chloride

Concen: 138.598 ug/l

RT: 2.253 min Scan# 71

Delta R.T. -0.006 min

Lab File: VY017378.D

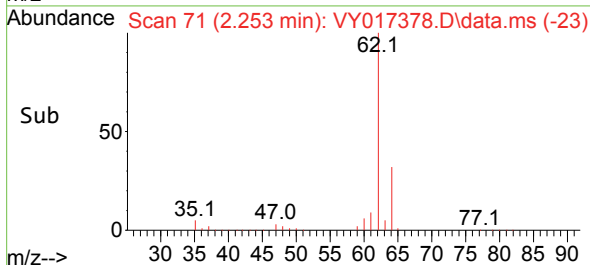
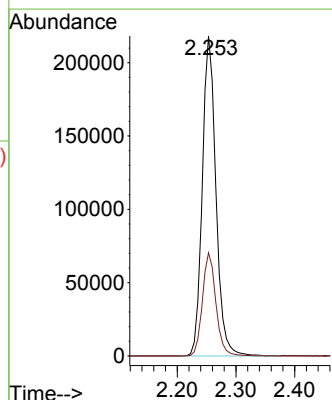
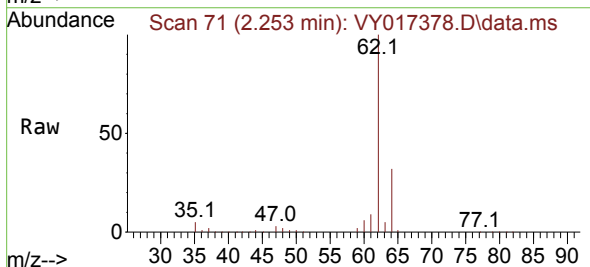
Acq: 14 Feb 2024 12:34

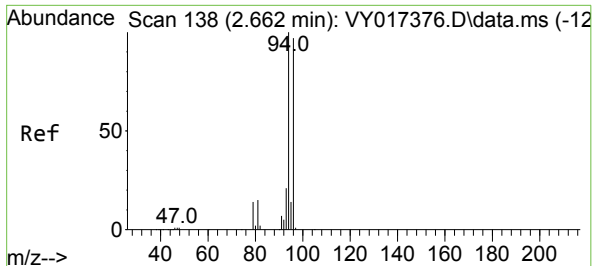
Tgt Ion: 62 Resp: 351954

Ion Ratio Lower Upper

62 100

64 32.2 25.7 38.5





#5

Bromomethane

Concen: 135.645 ug/l

RT: 2.643 min Scan# 11

Delta R.T. -0.018 min

Lab File: VY017378.D

Acq: 14 Feb 2024 12:34

Instrument :

MSVOA\_Y

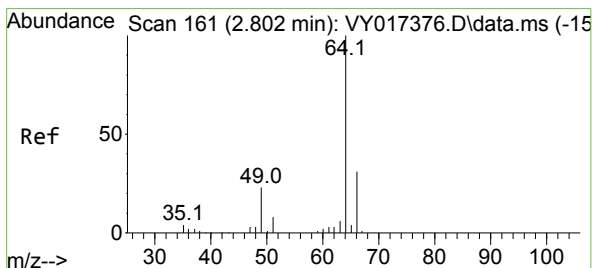
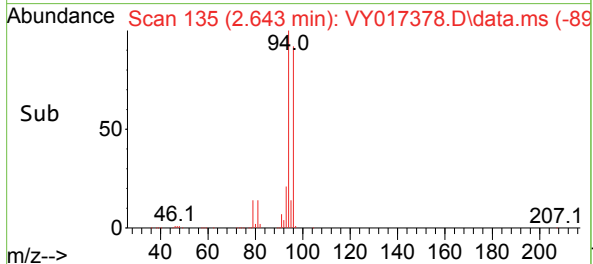
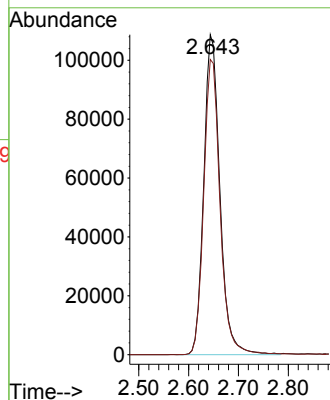
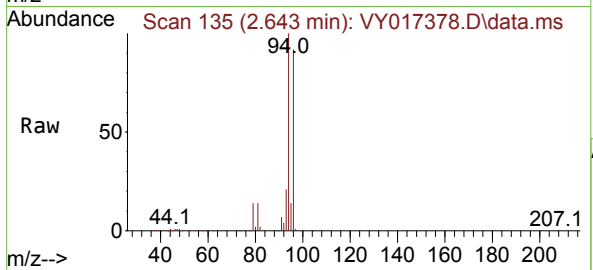
ClientSampleId :

Tgt Ion: 94 Resp: 244507

Ion Ratio Lower Upper

94 100

96 92.2 77.3 115.9



#6

Chloroethane

Concen: 135.424 ug/l

RT: 2.796 min Scan# 160

Delta R.T. -0.006 min

Lab File: VY017378.D

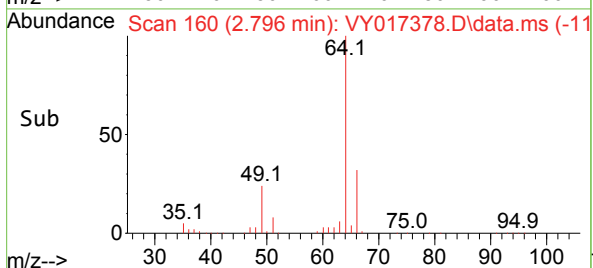
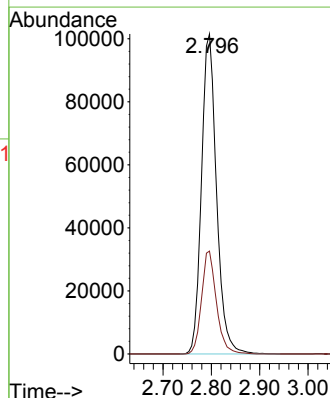
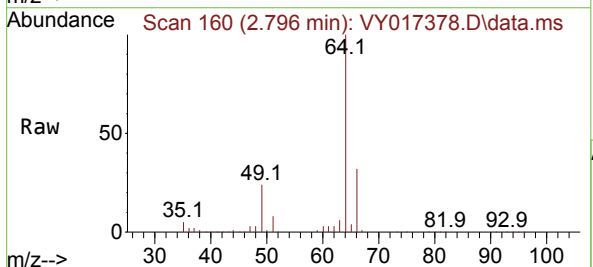
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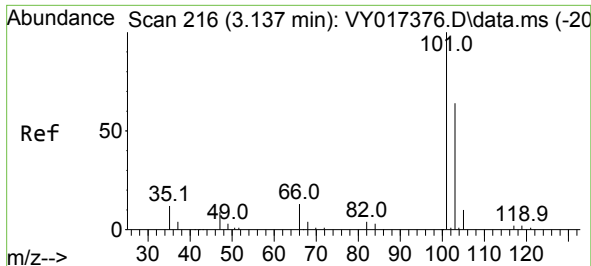
Tgt Ion: 64 Resp: 219133

Ion Ratio Lower Upper

64 100

66 32.1 25.1 37.7

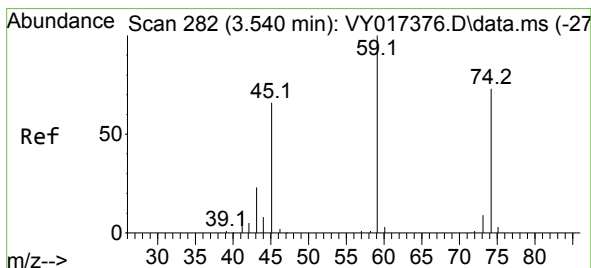
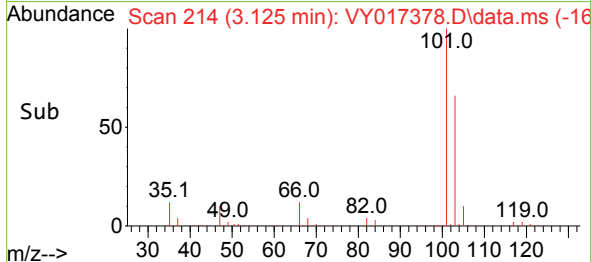
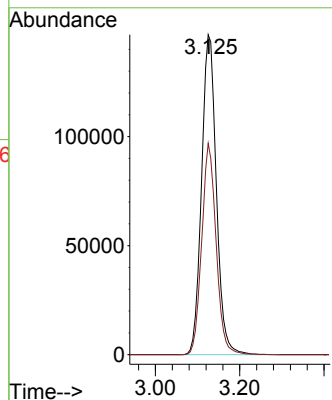
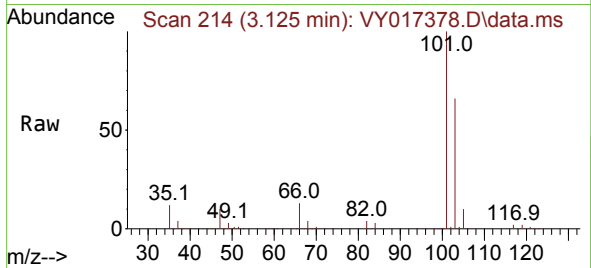




#7  
Trichlorofluoromethane  
Concen: 140.542 ug/l  
RT: 3.125 min Scan# 216  
Delta R.T. -0.012 min  
Lab File: VY017378.D  
Acq: 14 Feb 2024 12:34

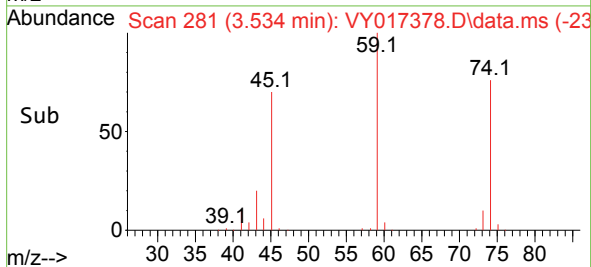
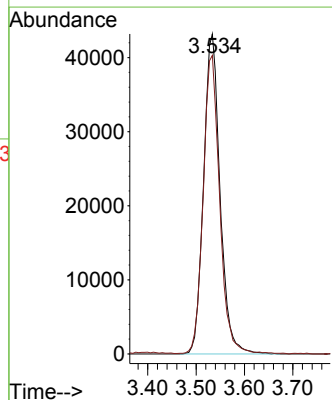
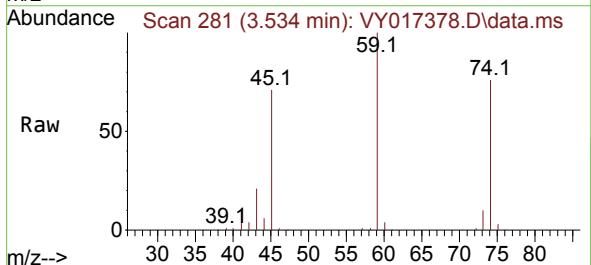
Instrument :  
MSVOA\_Y  
ClientSampleId :

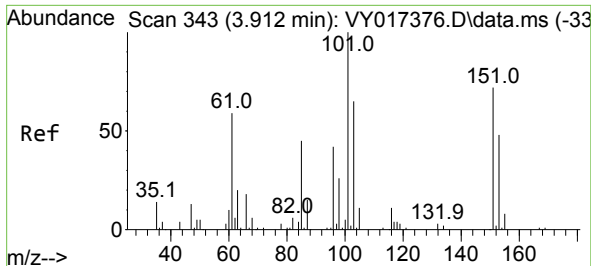
Tgt Ion:101 Resp: 358581  
Ion Ratio Lower Upper  
101 100  
103 66.0 51.9 77.9



#8  
Diethyl Ether  
Concen: 138.522 ug/l  
RT: 3.534 min Scan# 281  
Delta R.T. -0.006 min  
Lab File: VY017378.D  
Acq: 14 Feb 2024 12:34

Tgt Ion: 74 Resp: 102046  
Ion Ratio Lower Upper  
74 100  
45 92.9 47.9 143.7

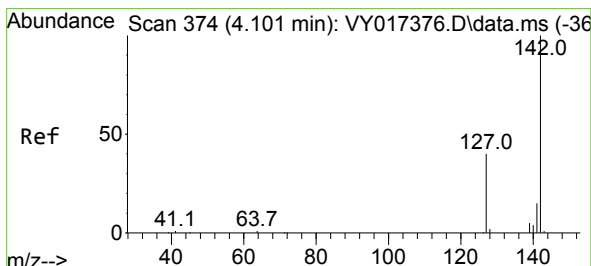
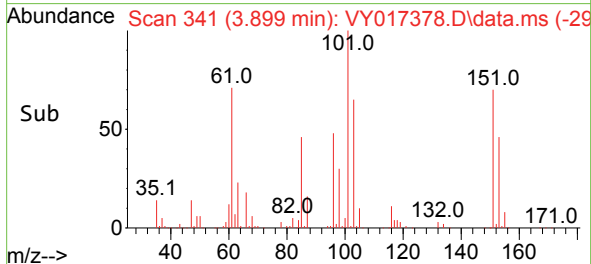
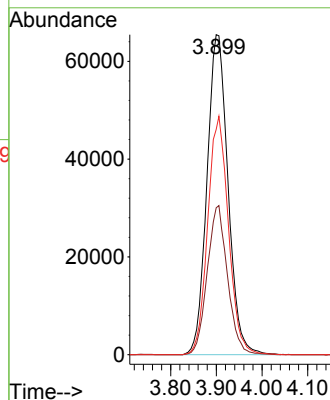
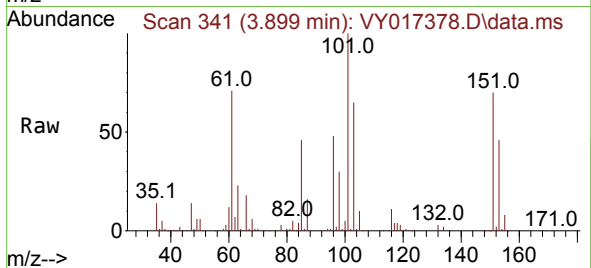




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 136.506 ug/l  
RT: 3.899 min Scan# 341  
Delta R.T. -0.012 min  
Lab File: VY017378.D  
Acq: 14 Feb 2024 12:34

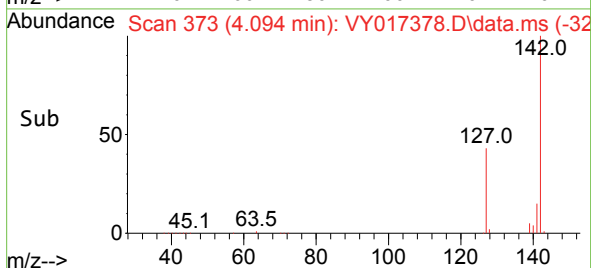
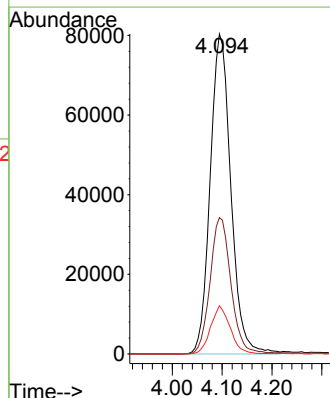
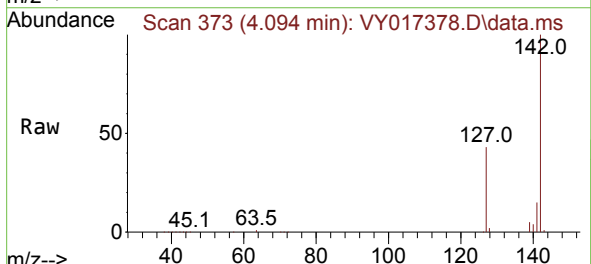
Instrument :  
MSVOA\_Y  
ClientSampleId :

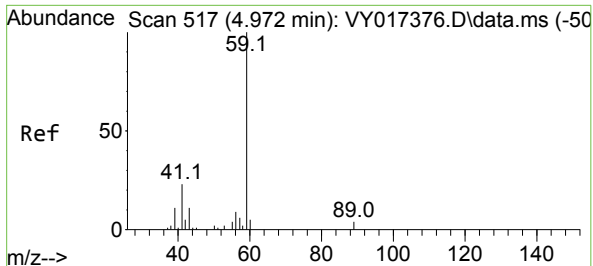
Tgt Ion:101 Resp: 209535  
Ion Ratio Lower Upper  
101 100  
85 45.0 35.8 53.6  
151 73.4 58.6 88.0



#10  
Methyl Iodide  
Concen: 153.345 ug/l  
RT: 4.094 min Scan# 373  
Delta R.T. -0.006 min  
Lab File: VY017378.D  
Acq: 14 Feb 2024 12:34

Tgt Ion:142 Resp: 231363  
Ion Ratio Lower Upper  
142 100  
127 43.0 35.1 52.7  
141 14.4 11.8 17.6

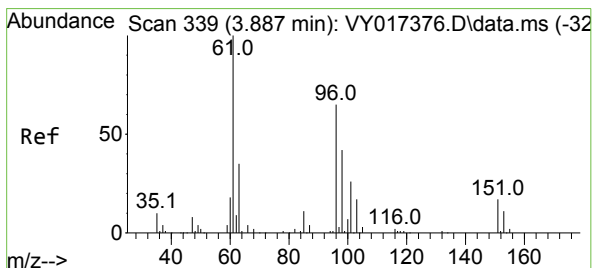
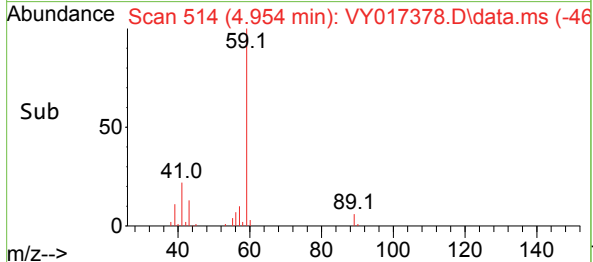
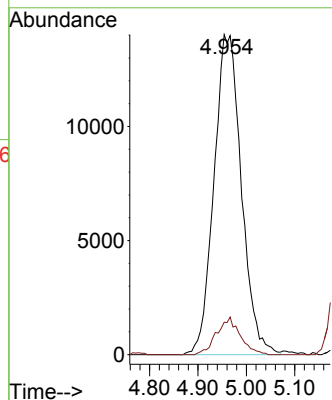
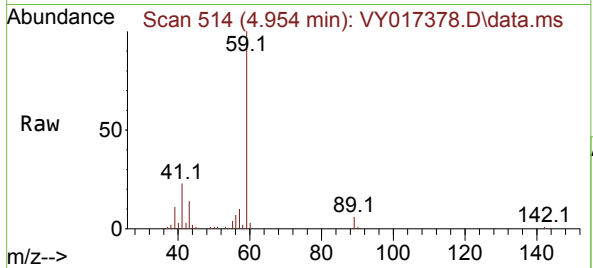




#11  
Tert butyl alcohol  
Concen: 736.120 ug/l  
RT: 4.954 min Scan# 511  
Delta R.T. -0.018 min  
Lab File: VY017378.D  
Acq: 14 Feb 2024 12:34

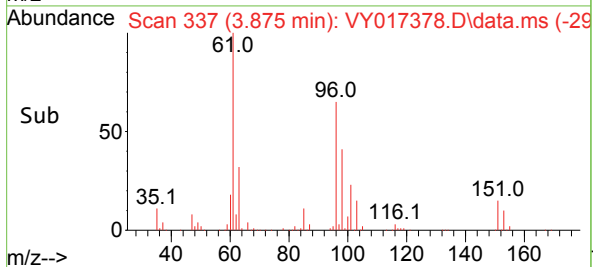
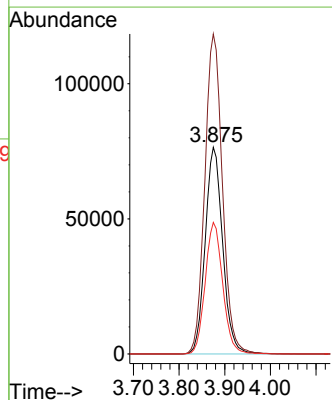
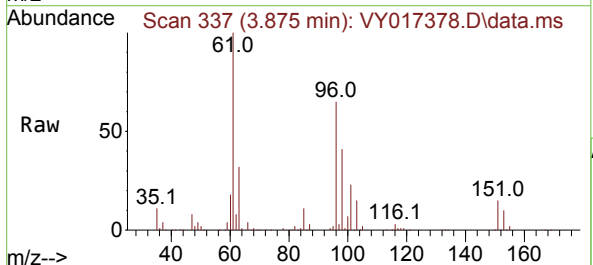
Instrument :  
MSVOA\_Y  
ClientSampleId :

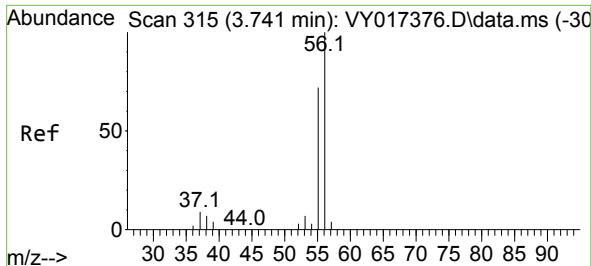
Tgt Ion: 59 Resp: 55240  
Ion Ratio Lower Upper  
59 100  
57 10.1 7.4 11.0



#12  
1,1-Dichloroethene  
Concen: 143.204 ug/l  
RT: 3.875 min Scan# 337  
Delta R.T. -0.012 min  
Lab File: VY017378.D  
Acq: 14 Feb 2024 12:34

Tgt Ion: 96 Resp: 202743  
Ion Ratio Lower Upper  
96 100  
61 154.8 124.2 186.2  
98 63.7 52.6 79.0





#13

Acrolein

Concen: 598.154 ug/l

RT: 3.729 min Scan# 315

Delta R.T. -0.012 min

Lab File: VY017378.D

Acq: 14 Feb 2024 12:34

Instrument :

MSVOA\_Y

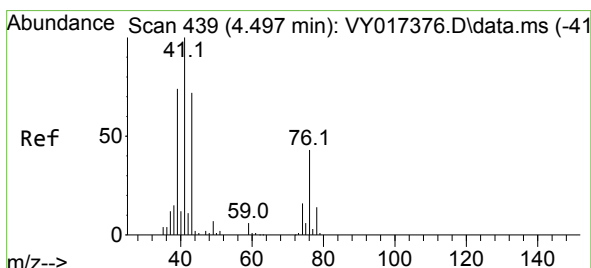
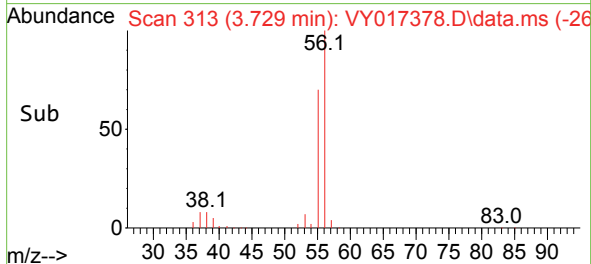
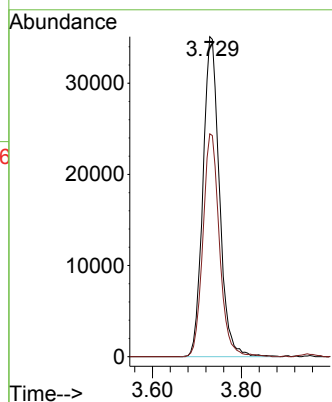
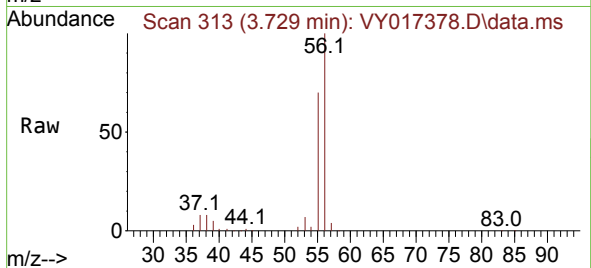
ClientSampleId :

Tgt Ion: 56 Resp: 90577

Ion Ratio Lower Upper

56 100

55 69.9 55.4 83.0



#14

Allyl chloride

Concen: 143.097 ug/l

RT: 4.485 min Scan# 437

Delta R.T. -0.012 min

Lab File: VY017378.D

Acq: 14 Feb 2024 12:34

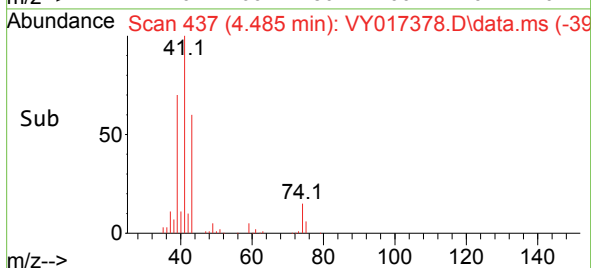
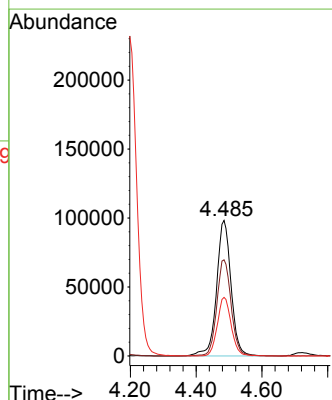
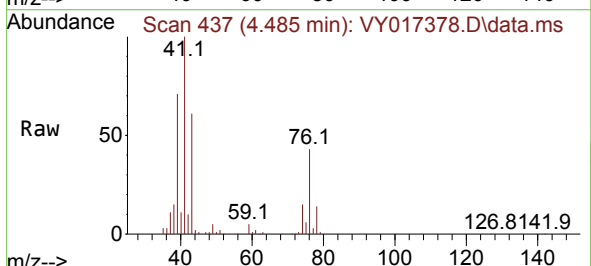
Tgt Ion: 41 Resp: 299563

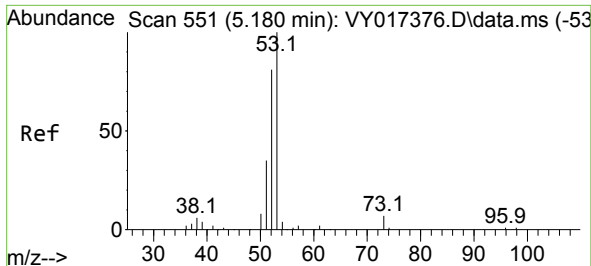
Ion Ratio Lower Upper

41 100

39 70.4 54.7 82.1

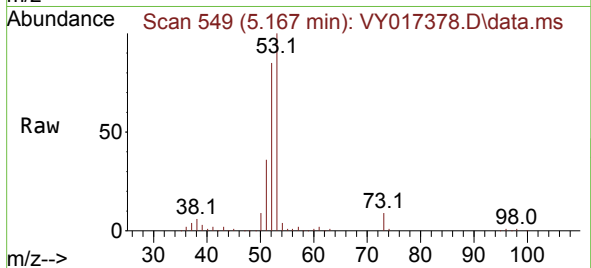
76 41.3 31.8 47.6



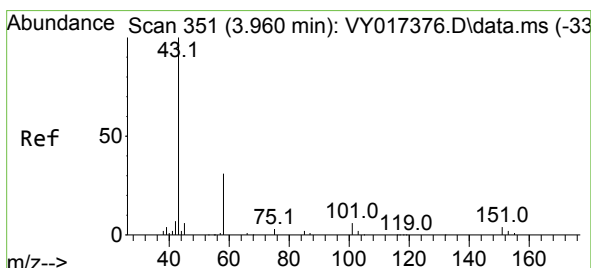
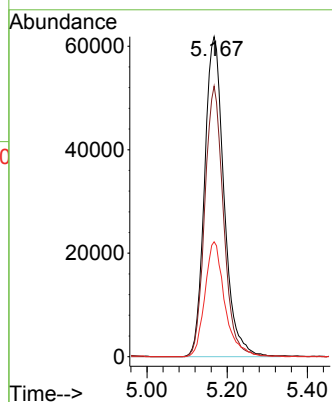
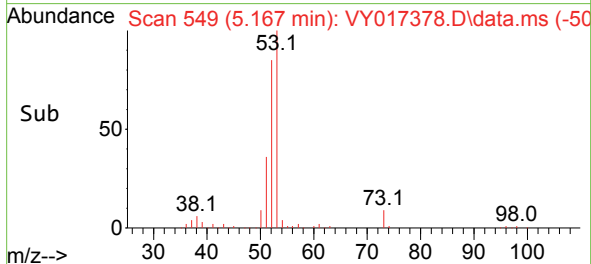


#15  
Acrylonitrile  
Concen: 657.721 ug/l  
RT: 5.167 min Scan# 549  
Delta R.T. -0.012 min  
Lab File: VY017378.D  
Acq: 14 Feb 2024 12:34

Instrument :  
MSVOA\_Y  
ClientSampleId :

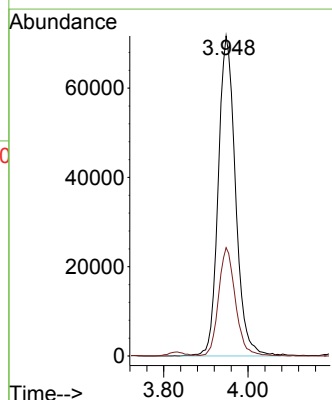
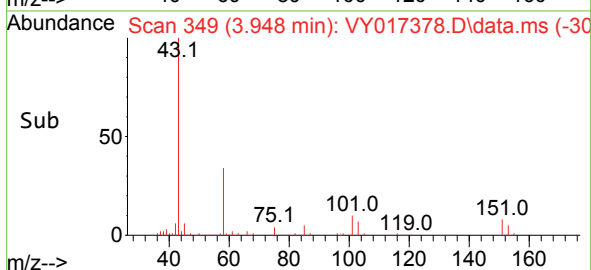
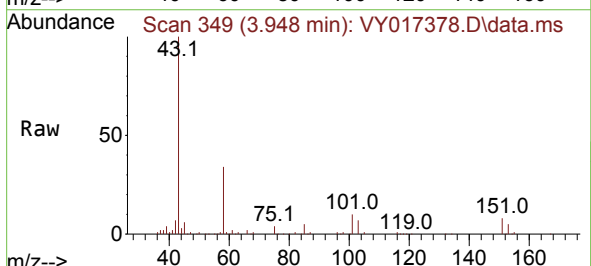


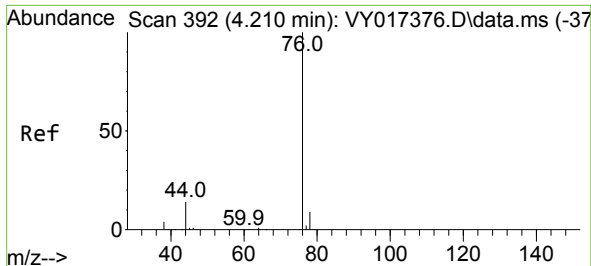
Tgt Ion: 53 Resp: 208442  
Ion Ratio Lower Upper  
53 100  
52 81.3 65.1 97.7  
51 36.8 29.0 43.4



#16  
Acetone  
Concen: 750.074 ug/l  
RT: 3.948 min Scan# 349  
Delta R.T. -0.012 min  
Lab File: VY017378.D  
Acq: 14 Feb 2024 12:34

Tgt Ion: 43 Resp: 202933  
Ion Ratio Lower Upper  
43 100  
58 33.7 26.6 39.8





#17

Carbon Disulfide

Concen: 139.146 ug/l

RT: 4.198 min Scan# 391

Delta R.T. -0.012 min

Lab File: VY017378.D

Acq: 14 Feb 2024 12:34

Instrument :

MSVOA\_Y

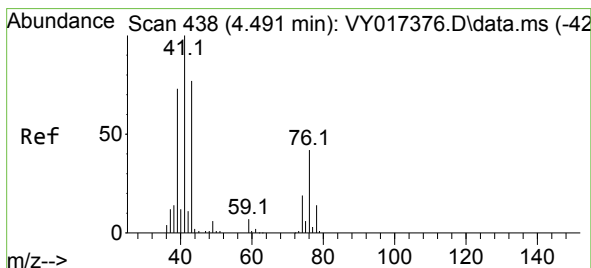
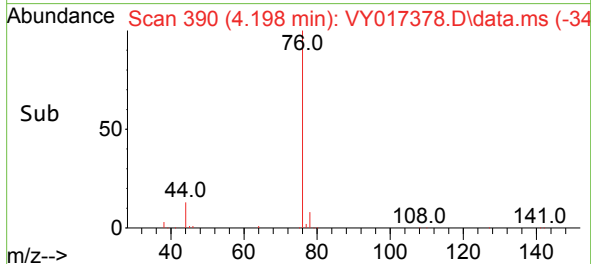
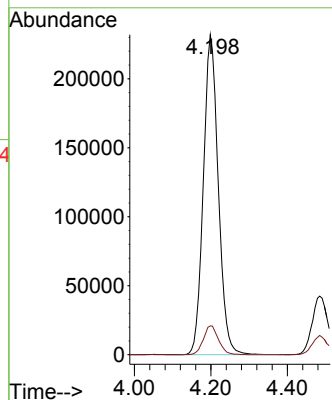
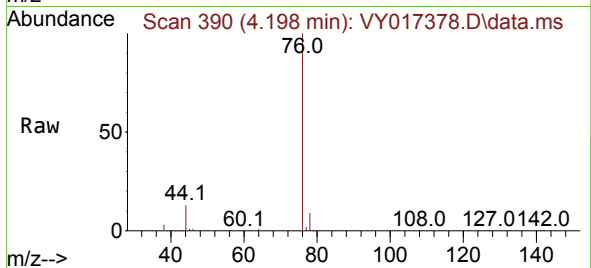
ClientSampleId :

Tgt Ion: 76 Resp: 628425

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0



#18

Methyl Acetate

Concen: 132.568 ug/l

RT: 4.479 min Scan# 436

Delta R.T. -0.012 min

Lab File: VY017378.D

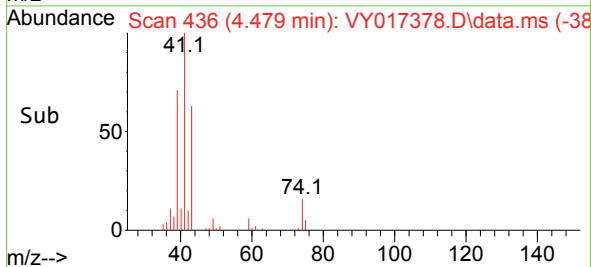
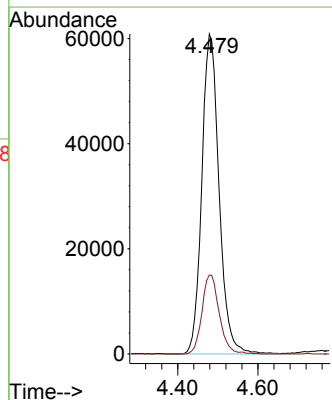
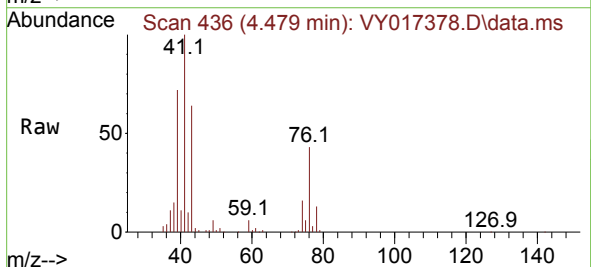
Acq: 14 Feb 2024 12:34

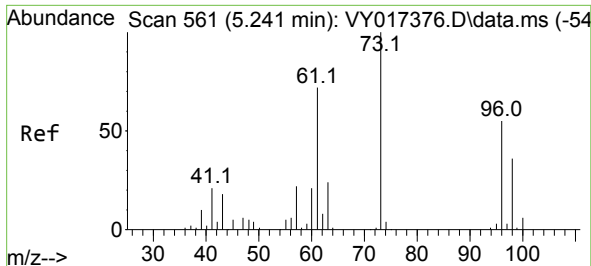
Tgt Ion: 43 Resp: 182067

Ion Ratio Lower Upper

43 100

74 24.7 19.8 29.6





#19

Methyl tert-butyl Ether

Concen: 144.118 ug/l

RT: 5.228 min Scan# 51

Delta R.T. -0.013 min

Lab File: VY017378.D

Acq: 14 Feb 2024 12:34

Instrument :

MSVOA\_Y

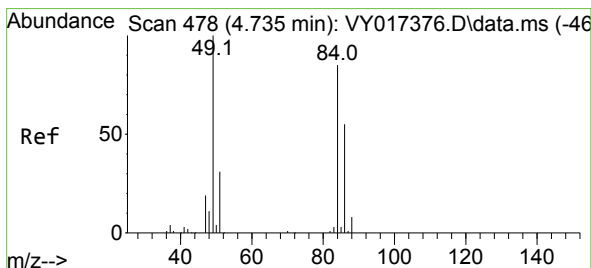
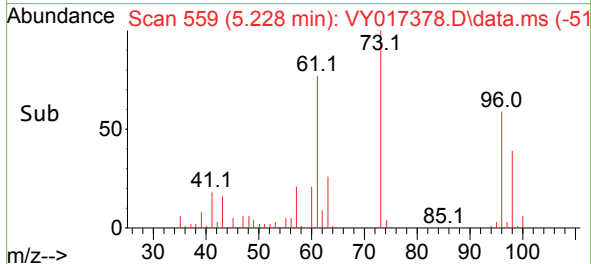
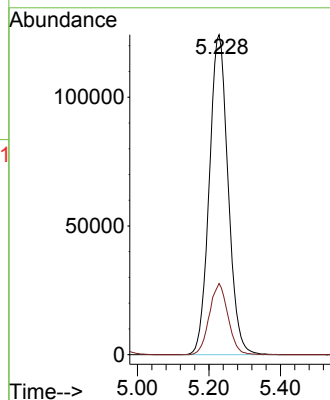
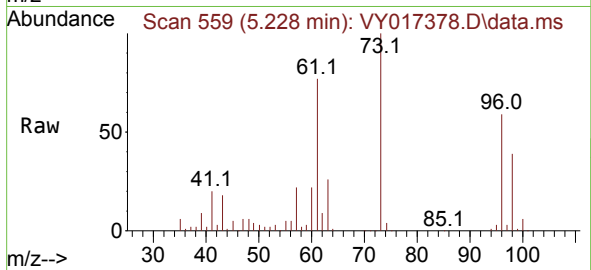
ClientSampleId :

Tgt Ion: 73 Resp: 453561

Ion Ratio Lower Upper

73 100

57 22.2 17.7 26.5



#20

Methylene Chloride

Concen: 147.290 ug/l

RT: 4.722 min Scan# 476

Delta R.T. -0.013 min

Lab File: VY017378.D

Acq: 14 Feb 2024 12:34

Tgt Ion: 84 Resp: 207486

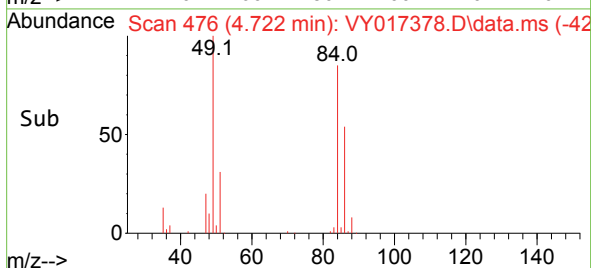
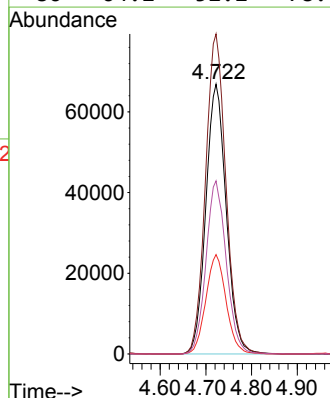
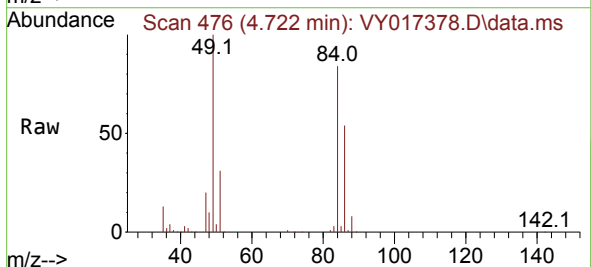
Ion Ratio Lower Upper

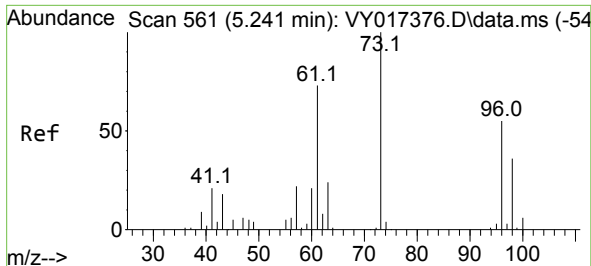
84 100

49 118.6 95.2 142.8

51 36.8 29.9 44.9

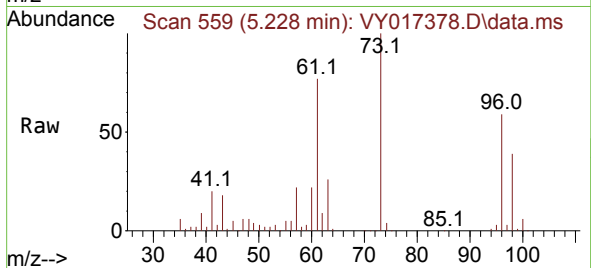
86 64.2 52.2 78.4



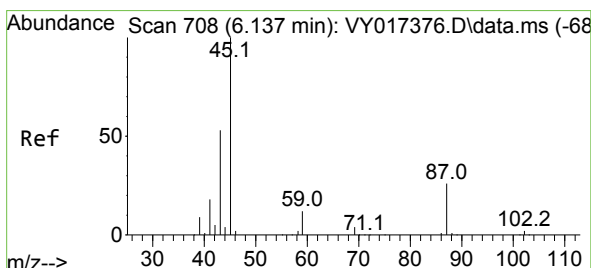
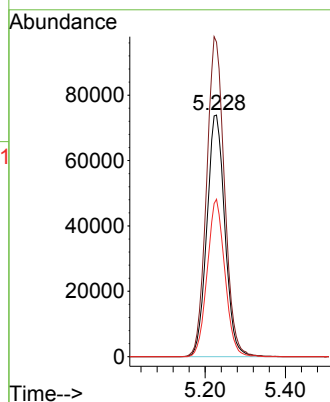
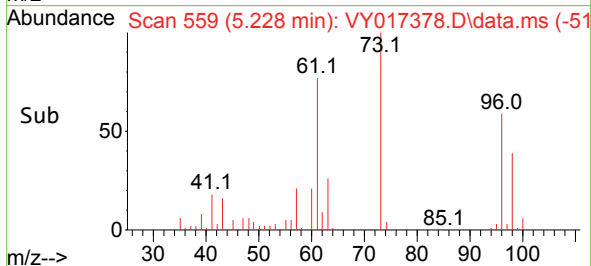


#21  
trans-1,2-Dichloroethene  
Concen: 142.322 ug/l  
RT: 5.228 min Scan# 51  
Delta R.T. -0.012 min  
Lab File: VY017378.D  
Acq: 14 Feb 2024 12:34

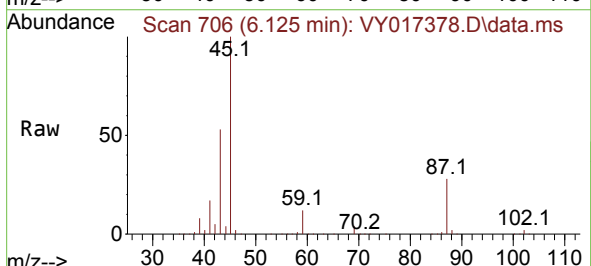
Instrument :  
MSVOA\_Y  
ClientSampleId :



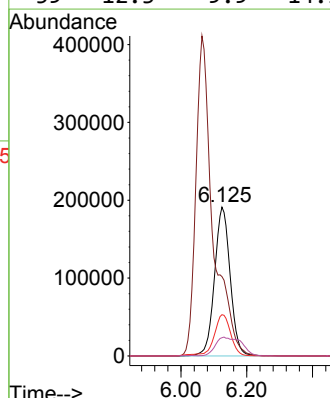
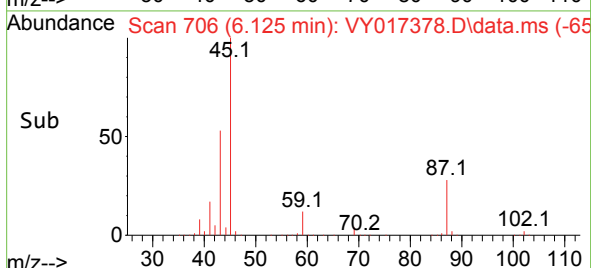
Tgt Ion: 96 Resp: 230195  
Ion Ratio Lower Upper  
96 100  
61 130.2 104.6 156.8  
98 65.2 50.9 76.3

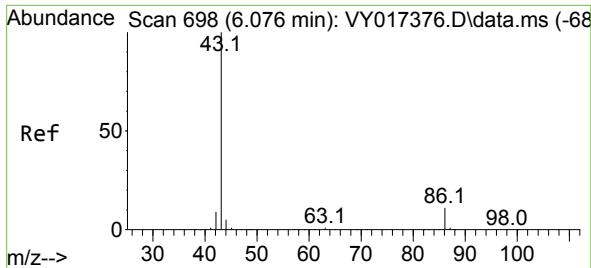


#22  
Diisopropyl ether  
Concen: 140.489 ug/l  
RT: 6.125 min Scan# 706  
Delta R.T. -0.012 min  
Lab File: VY017378.D  
Acq: 14 Feb 2024 12:34



Tgt Ion: 45 Resp: 630266  
Ion Ratio Lower Upper  
45 100  
43 53.2 46.8 70.2  
87 27.7 22.2 33.2  
59 12.3 9.9 14.9

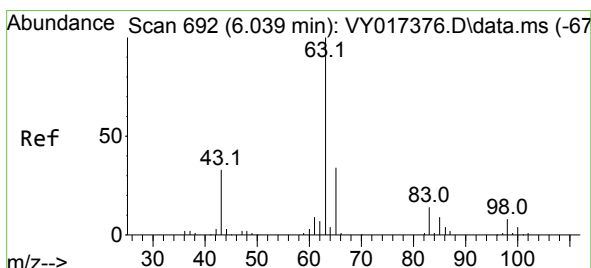
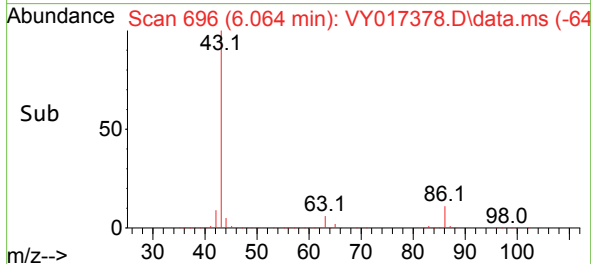
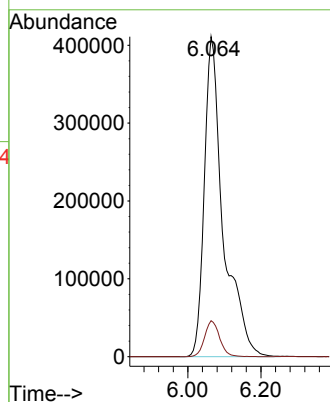
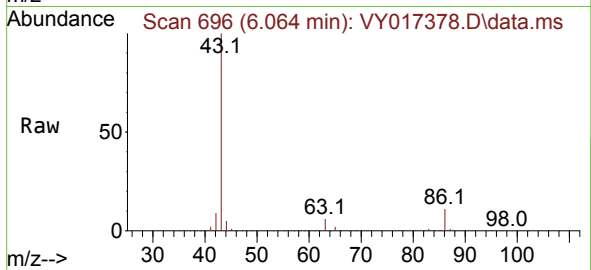




#23  
 Vinyl Acetate  
 Concen: 747.299 ug/l  
 RT: 6.064 min Scan# 61  
 Delta R.T. -0.012 min  
 Lab File: VY017378.D  
 Acq: 14 Feb 2024 12:34

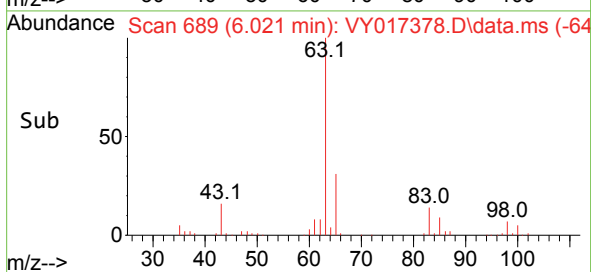
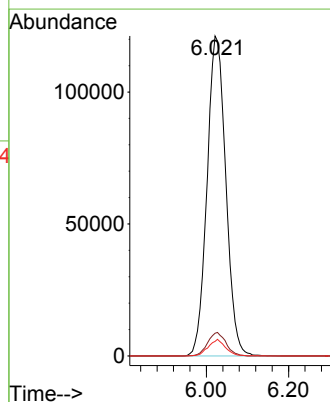
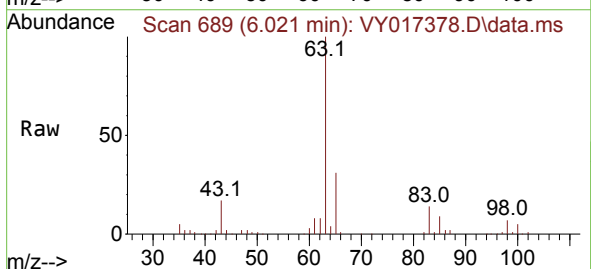
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

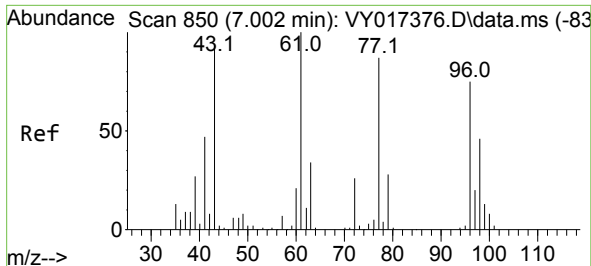
Tgt Ion: 43 Resp: 1477420  
 Ion Ratio Lower Upper  
 43 100  
 86 11.3 8.6 13.0



#24  
 1,1-Dichloroethane  
 Concen: 137.338 ug/l  
 RT: 6.021 min Scan# 689  
 Delta R.T. -0.018 min  
 Lab File: VY017378.D  
 Acq: 14 Feb 2024 12:34

Tgt Ion: 63 Resp: 384420  
 Ion Ratio Lower Upper  
 63 100  
 98 7.1 3.8 11.4  
 100 4.5 2.1 6.2

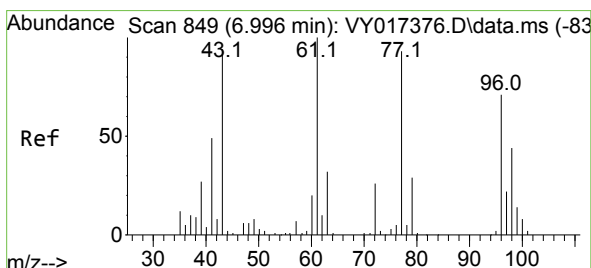
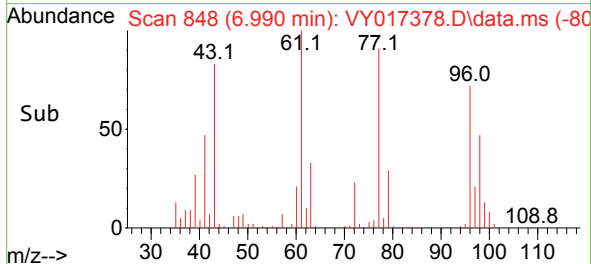
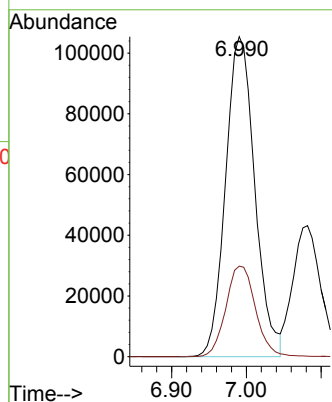
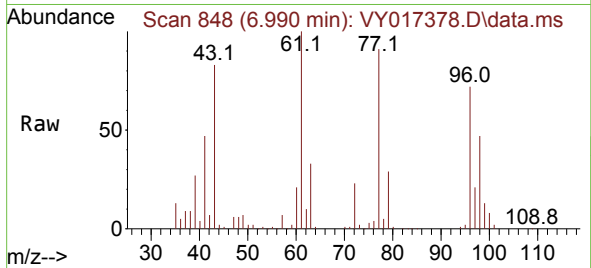




#25  
2-Butanone  
Concen: 626.866 ug/l  
RT: 6.990 min Scan# 847  
Delta R.T. -0.012 min  
Lab File: VY017378.D  
Acq: 14 Feb 2024 12:34

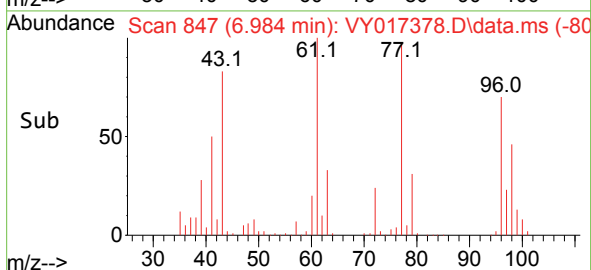
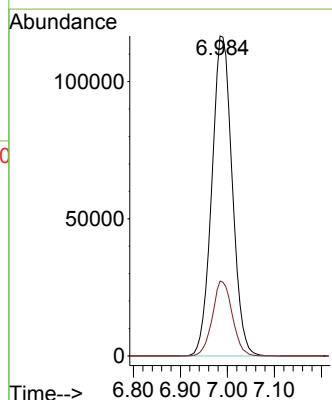
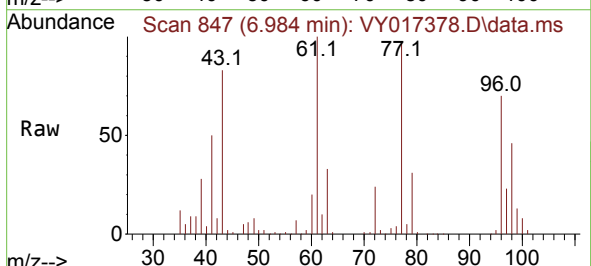
Instrument :  
MSVOA\_Y  
ClientSampleId :

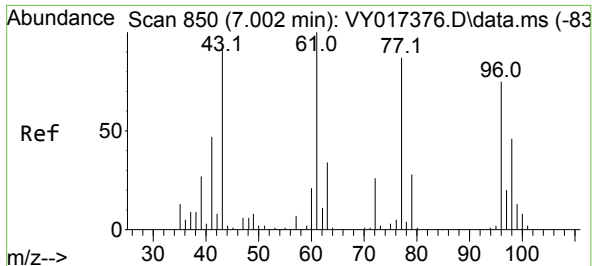
Tgt Ion: 43 Resp: 287290  
Ion Ratio Lower Upper  
43 100  
72 28.3 21.4 32.2



#26  
2,2-Dichloropropane  
Concen: 146.265 ug/l  
RT: 6.984 min Scan# 847  
Delta R.T. -0.012 min  
Lab File: VY017378.D  
Acq: 14 Feb 2024 12:34

Tgt Ion: 77 Resp: 350654  
Ion Ratio Lower Upper  
77 100  
97 22.8 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 143.842 ug/l

RT: 6.996 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY017378.D

Acq: 14 Feb 2024 12:34

Instrument :

MSVOA\_Y

ClientSampleId :

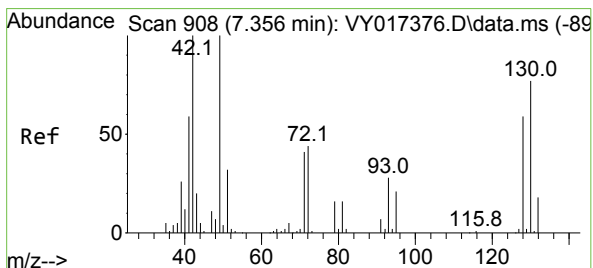
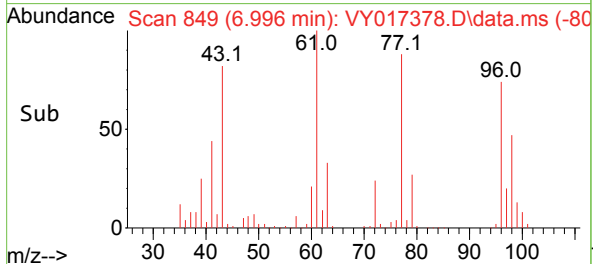
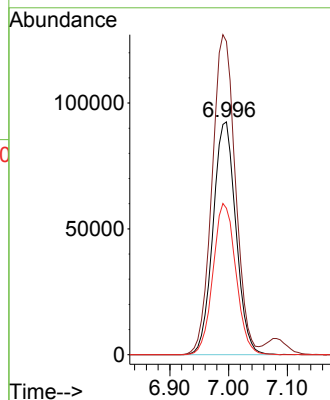
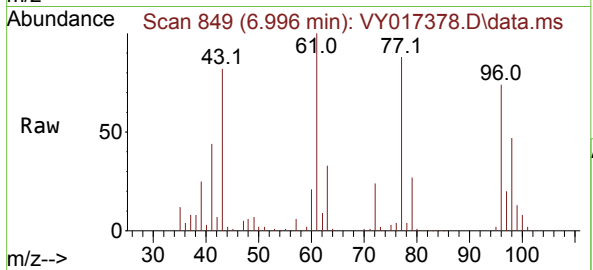
Tgt Ion: 96 Resp: 250485

Ion Ratio Lower Upper

96 100

61 140.2 0.0 278.8

98 64.9 0.0 127.0



#28

Bromochloromethane

Concen: 144.394 ug/l

RT: 7.338 min Scan# 905

Delta R.T. -0.018 min

Lab File: VY017378.D

Acq: 14 Feb 2024 12:34

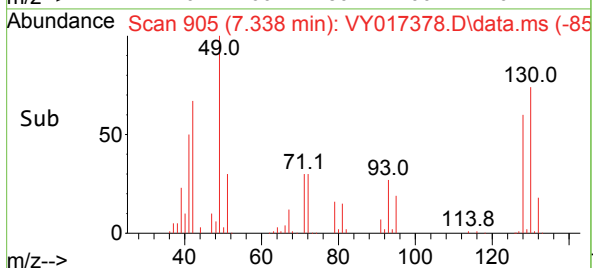
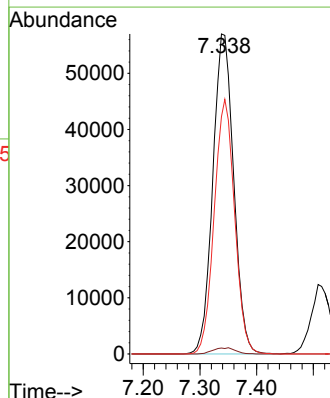
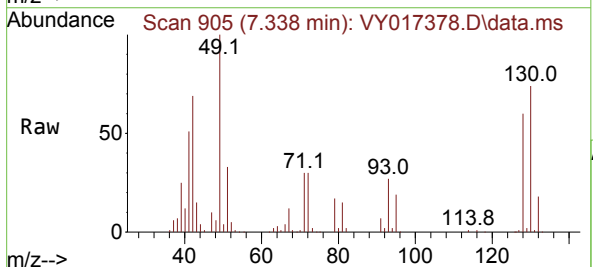
Tgt Ion: 49 Resp: 145738

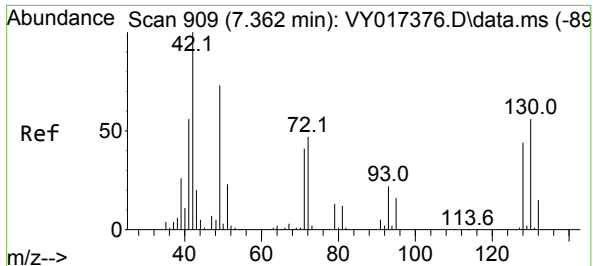
Ion Ratio Lower Upper

49 100

129 2.1 0.0 3.8

130 77.7 59.8 89.8





#29

Tetrahydrofuran

Concen: 662.287 ug/l

RT: 7.356 min Scan# 909

Delta R.T. -0.006 min

Lab File: VY017378.D

Acq: 14 Feb 2024 12:34

Instrument :

MSVOA\_Y

ClientSampleId :

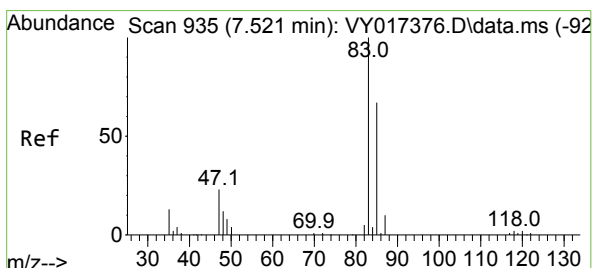
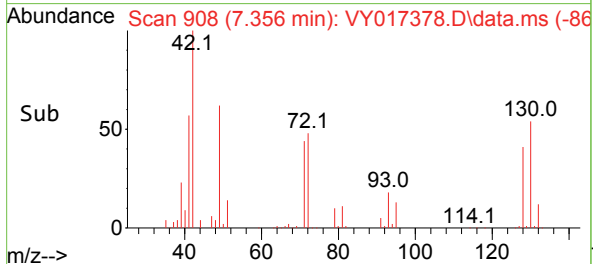
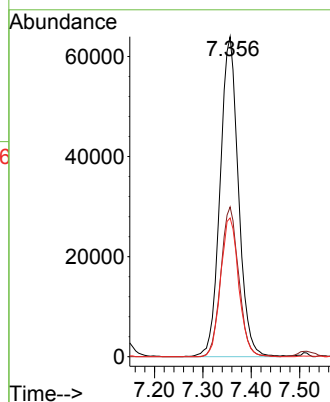
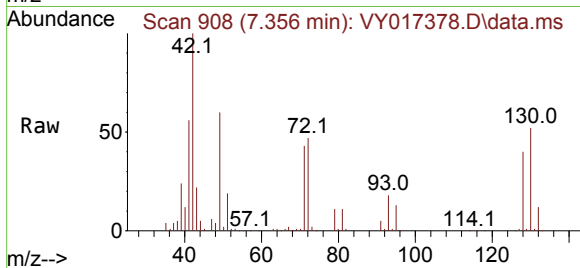
Tgt Ion: 42 Resp: 168322

Ion Ratio Lower Upper

42 100

72 45.8 36.6 54.8

71 42.9 33.8 50.6



#30

Chloroform

Concen: 138.075 ug/l

RT: 7.515 min Scan# 934

Delta R.T. -0.006 min

Lab File: VY017378.D

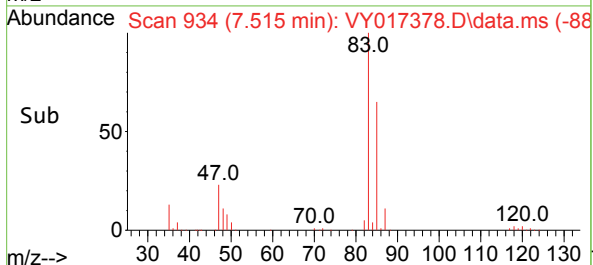
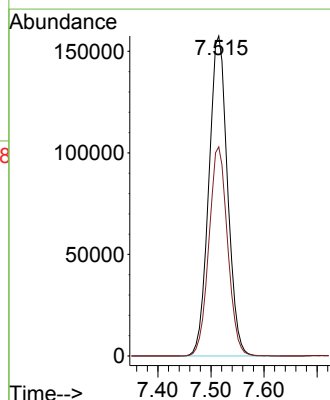
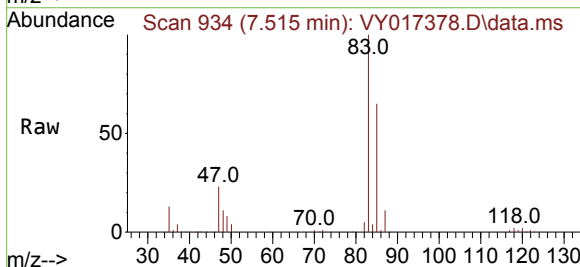
Acq: 14 Feb 2024 12:34

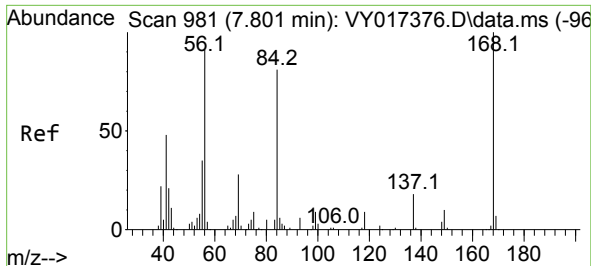
Tgt Ion: 83 Resp: 385381

Ion Ratio Lower Upper

83 100

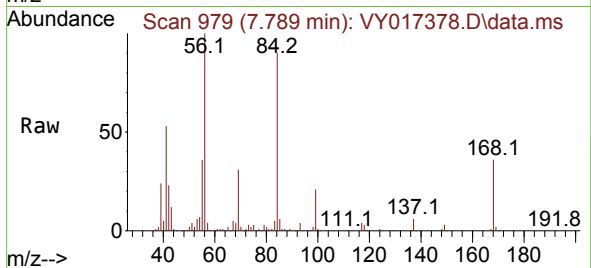
85 65.4 51.2 76.8



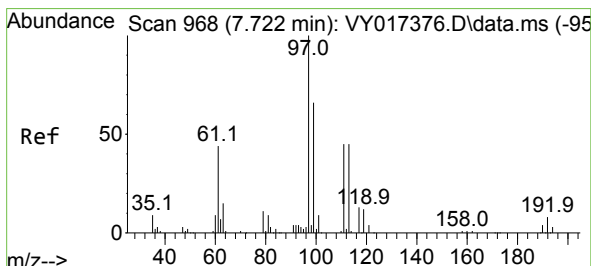
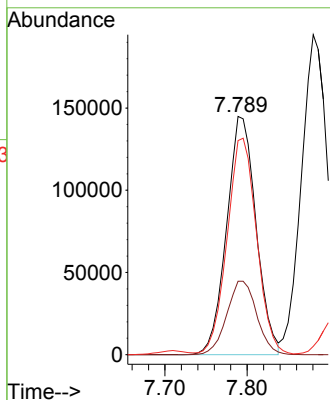
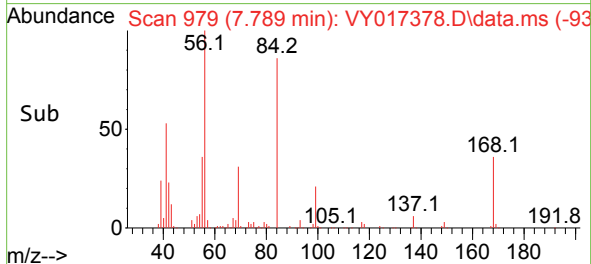


#31  
Cyclohexane  
Concen: 135.262 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.012 min  
Lab File: VY017378.D  
Acq: 14 Feb 2024 12:34

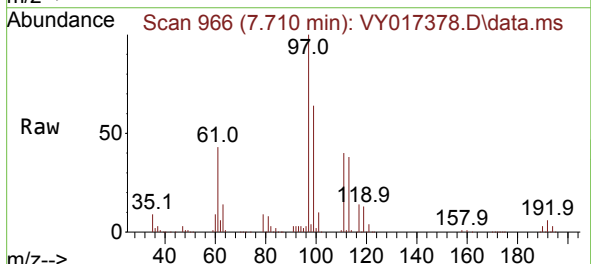
Instrument :  
MSVOA\_Y  
ClientSampleId :



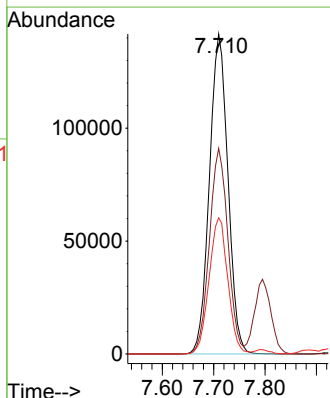
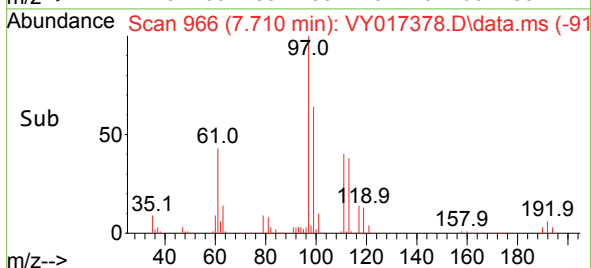
Tgt Ion: 56 Resp: 360828  
Ion Ratio Lower Upper  
56 100  
69 30.8 27.0 40.6  
84 88.4 71.8 107.6

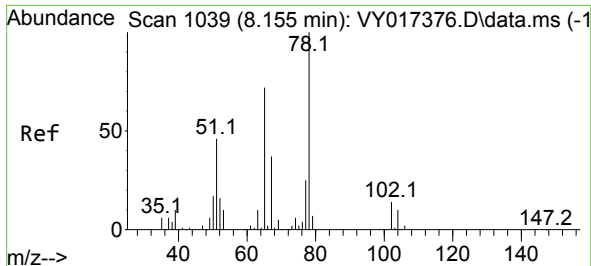


#32  
1,1,1-Trichloroethane  
Concen: 143.183 ug/l  
RT: 7.710 min Scan# 966  
Delta R.T. -0.012 min  
Lab File: VY017378.D  
Acq: 14 Feb 2024 12:34



Tgt Ion: 97 Resp: 354582  
Ion Ratio Lower Upper  
97 100  
99 64.4 51.2 76.8  
61 43.3 35.0 52.6

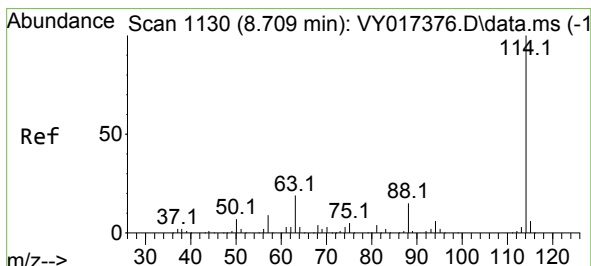
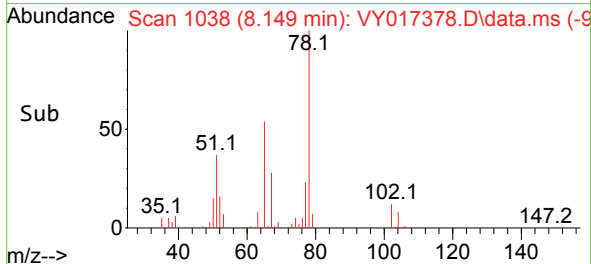
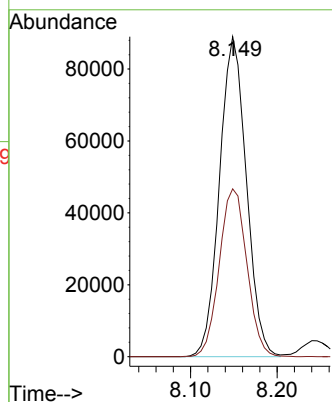
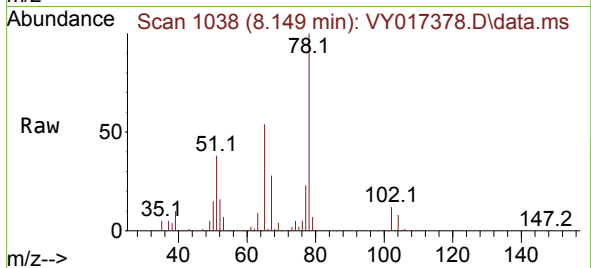




#33  
1,2-Dichloroethane-d4  
Concen: 136.830 ug/l  
RT: 8.149 min Scan# 110  
Delta R.T. -0.006 min  
Lab File: VY017378.D  
Acq: 14 Feb 2024 12:34

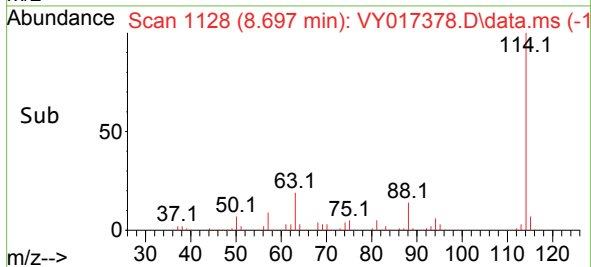
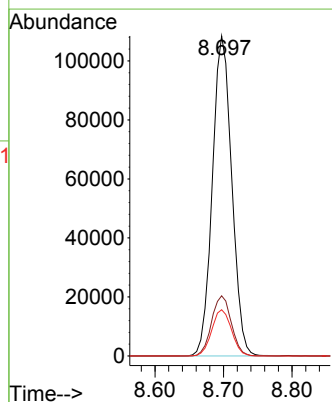
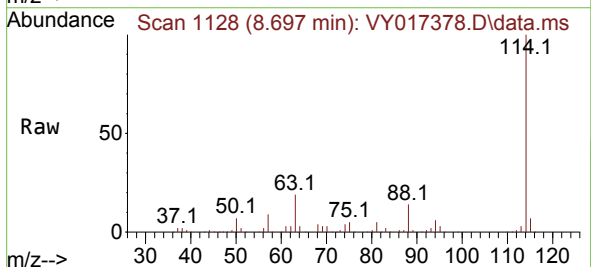
Instrument :  
MSVOA\_Y  
ClientSampleId :

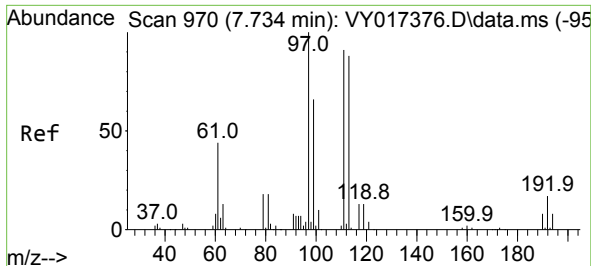
Tgt Ion: 65 Resp: 191736  
Ion Ratio Lower Upper  
65 100  
67 53.9 0.0 109.0



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.697 min Scan# 1128  
Delta R.T. -0.012 min  
Lab File: VY017378.D  
Acq: 14 Feb 2024 12:34

Tgt Ion:114 Resp: 212656  
Ion Ratio Lower Upper  
114 100  
63 18.8 0.0 37.4  
88 14.5 0.0 29.0





#35

Dibromofluoromethane

Concen: 148.650 ug/l

RT: 7.722 min Scan# 9

Delta R.T. -0.012 min

Lab File: VY017378.D

Acq: 14 Feb 2024 12:34

Instrument :

MSVOA\_Y

ClientSampleId :

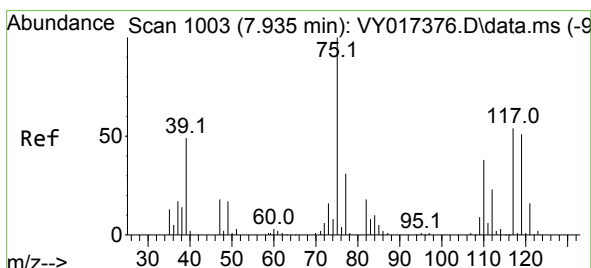
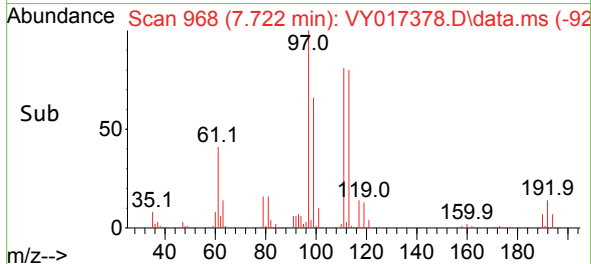
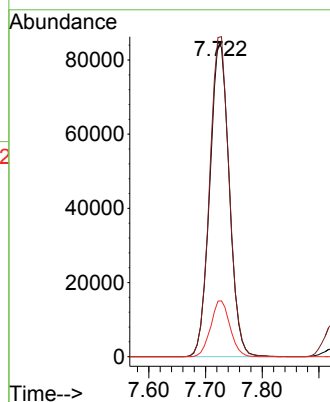
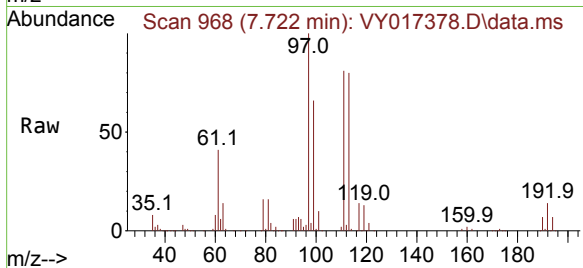
Tgt Ion:113 Resp: 201542

Ion Ratio Lower Upper

113 100

111 102.5 83.8 125.6

192 17.7 14.5 21.7



#36

1,1-Dichloropropene

Concen: 146.925 ug/l

RT: 7.923 min Scan# 1001

Delta R.T. -0.012 min

Lab File: VY017378.D

Acq: 14 Feb 2024 12:34

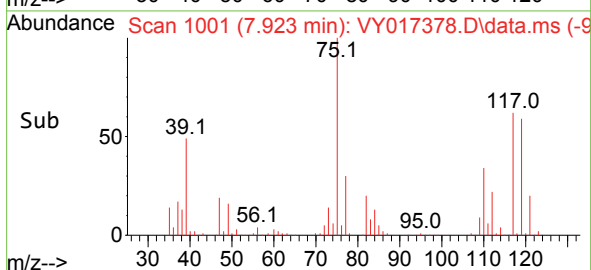
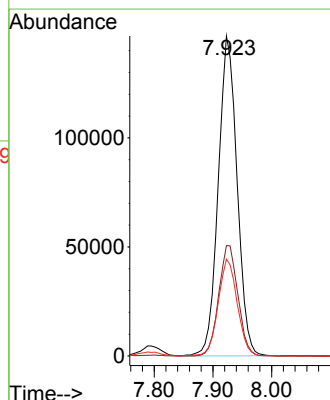
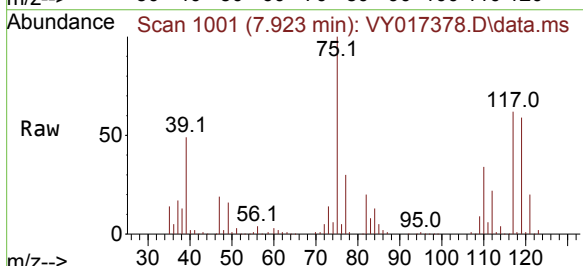
Tgt Ion: 75 Resp: 326163

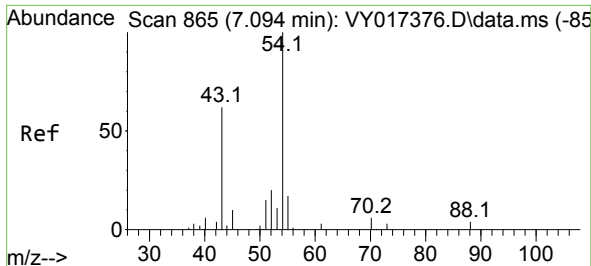
Ion Ratio Lower Upper

75 100

110 35.2 17.4 52.3

77 30.7 24.7 37.1

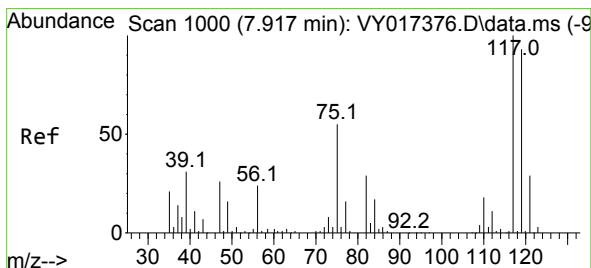
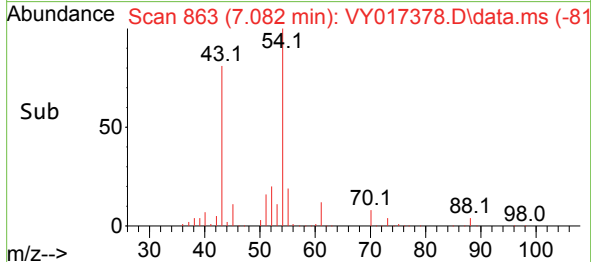
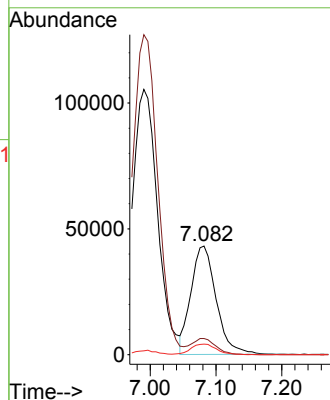
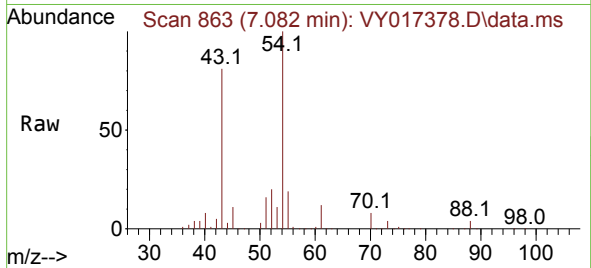




#37  
Ethyl Acetate  
Concen: 126.826 ug/l  
RT: 7.082 min Scan# 80  
Delta R.T. -0.012 min  
Lab File: VY017378.D  
Acq: 14 Feb 2024 12:34

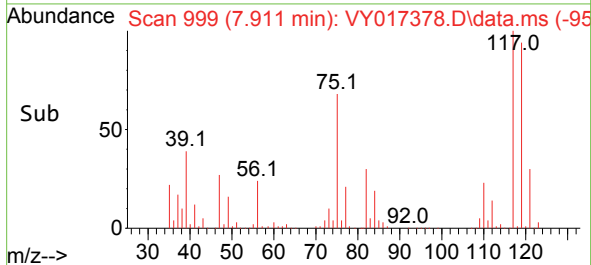
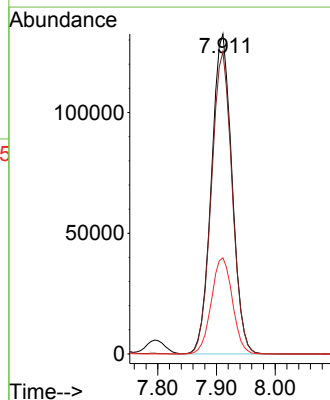
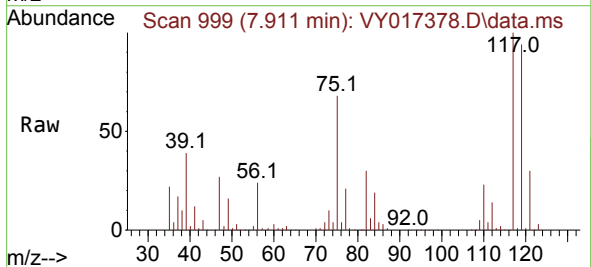
Instrument :  
MSVOA\_Y  
ClientSampleId :

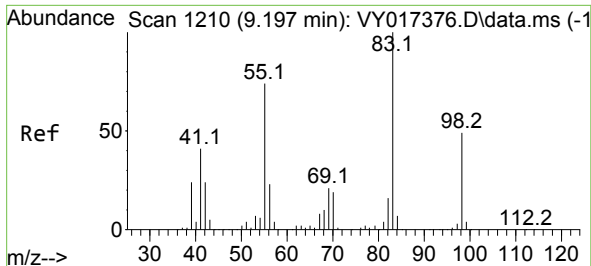
Tgt Ion: 43 Resp: 114461  
Ion Ratio Lower Upper  
43 100  
61 14.6 11.0 16.6  
70 10.0 8.1 12.1



#38  
Carbon Tetrachloride  
Concen: 151.167 ug/l  
RT: 7.911 min Scan# 999  
Delta R.T. -0.006 min  
Lab File: VY017378.D  
Acq: 14 Feb 2024 12:34

Tgt Ion: 117 Resp: 322007  
Ion Ratio Lower Upper  
117 100  
119 94.4 76.0 114.0  
121 30.1 24.2 36.2





#39

Methylcyclohexane

Concen: 154.152 ug/l

RT: 9.191 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY017378.D

Acq: 14 Feb 2024 12:34

Instrument :

MSVOA\_Y

ClientSampleId :

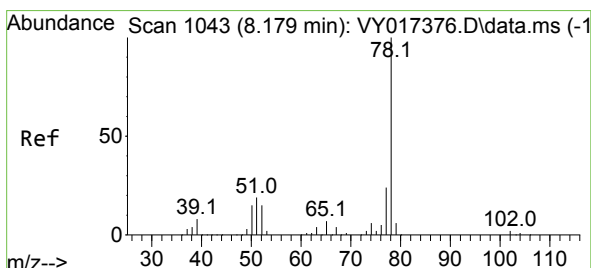
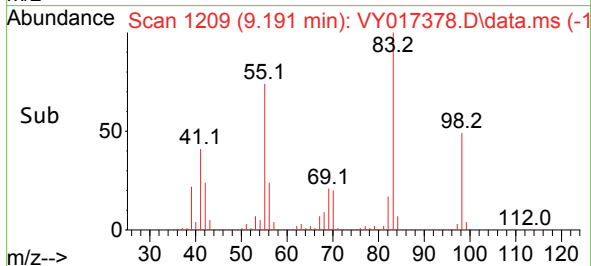
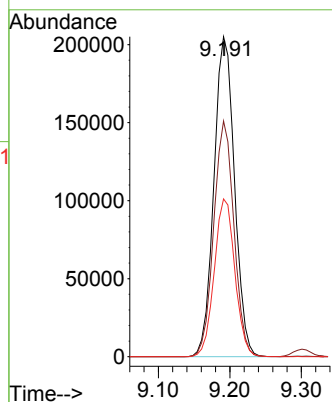
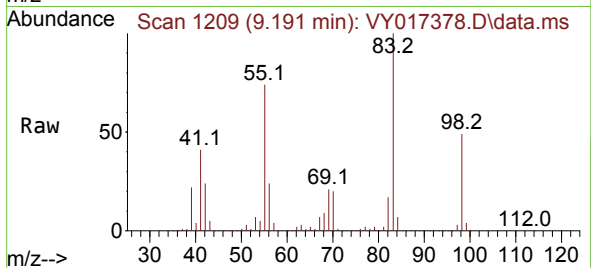
Tgt Ion: 83 Resp: 409735

Ion Ratio Lower Upper

83 100

55 73.6 59.7 89.5

98 49.3 38.0 57.0



#40

Benzene

Concen: 147.548 ug/l

RT: 8.167 min Scan# 1041

Delta R.T. -0.012 min

Lab File: VY017378.D

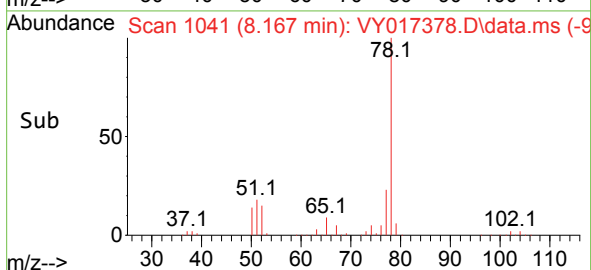
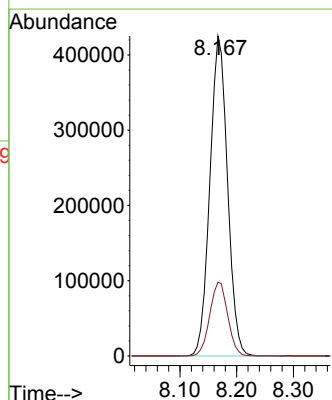
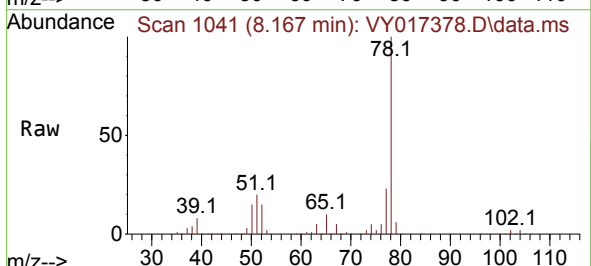
Acq: 14 Feb 2024 12:34

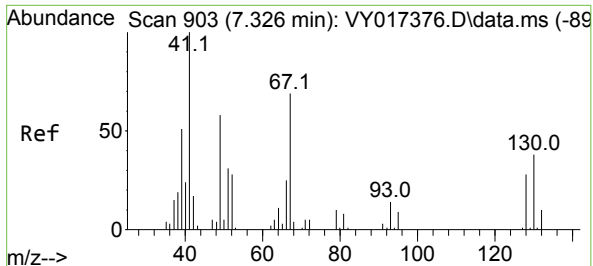
Tgt Ion: 78 Resp: 917691

Ion Ratio Lower Upper

78 100

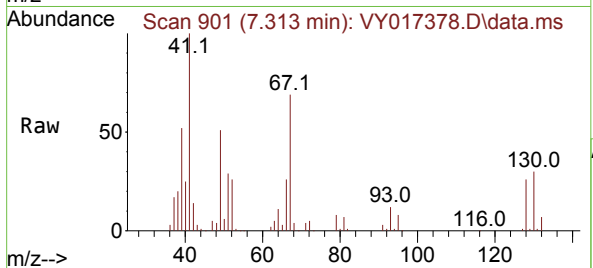
77 23.1 18.8 28.2





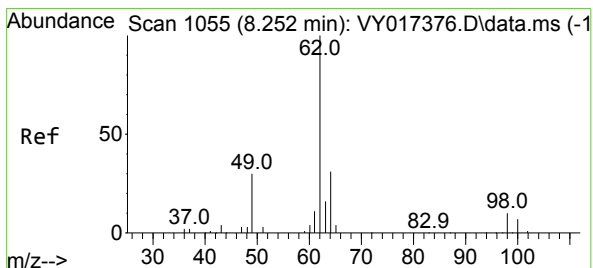
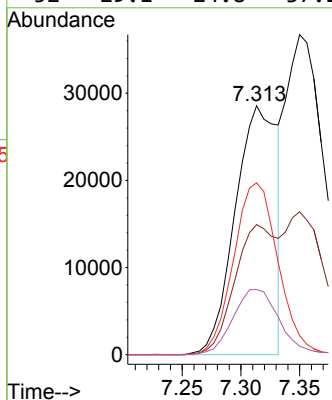
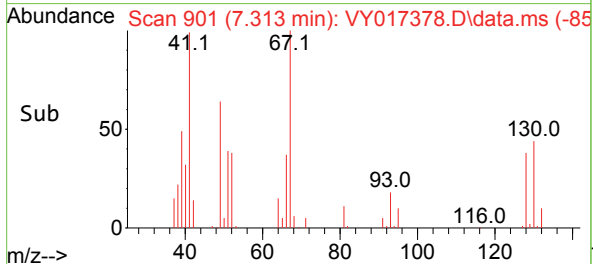
#41  
Methacrylonitrile  
Concen: 154.849 ug/l  
RT: 7.313 min Scan# 901  
Delta R.T. -0.012 min  
Lab File: VY017378.D  
Acq: 14 Feb 2024 12:34

Instrument :  
MSVOA\_Y  
ClientSampleId :



Tgt Ion: 41 Resp: 71229

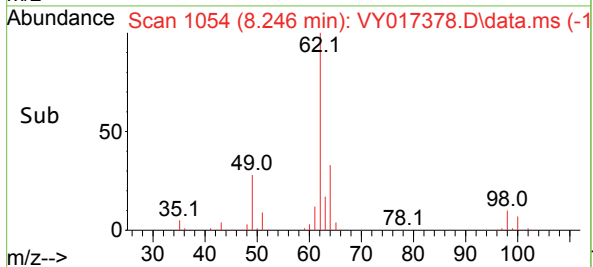
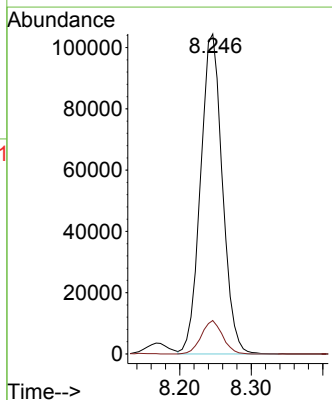
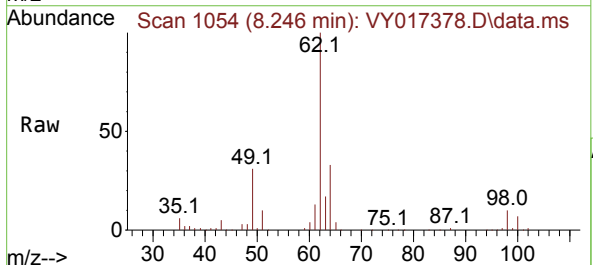
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 39  | 52.2  | 41.9  | 62.9  |
| 67  | 73.3  | 59.8  | 89.6  |
| 52  | 29.1  | 24.8  | 37.2  |

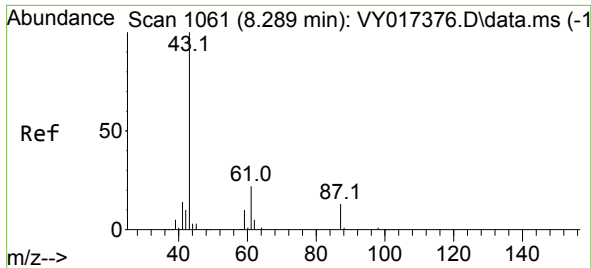


#42  
1,2-Dichloroethane  
Concen: 140.081 ug/l  
RT: 8.246 min Scan# 1054  
Delta R.T. -0.006 min  
Lab File: VY017378.D  
Acq: 14 Feb 2024 12:34

Tgt Ion: 62 Resp: 221737

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 62  | 100   |       |       |
| 98  | 10.1  | 0.0   | 20.2  |

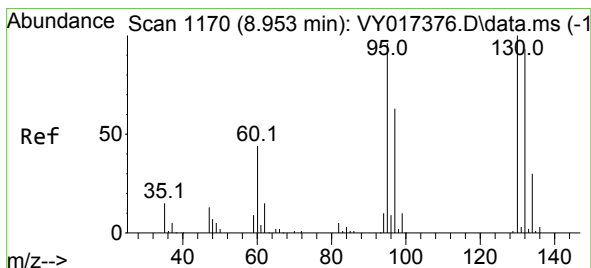
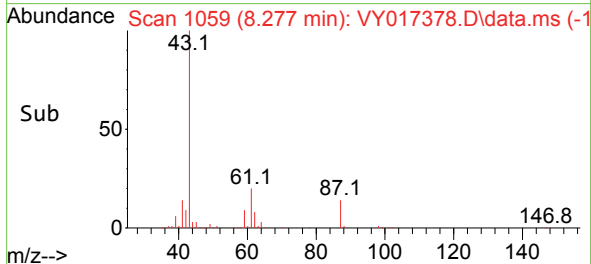
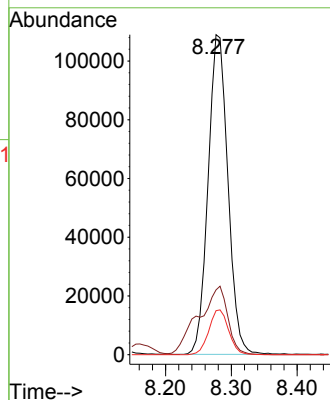
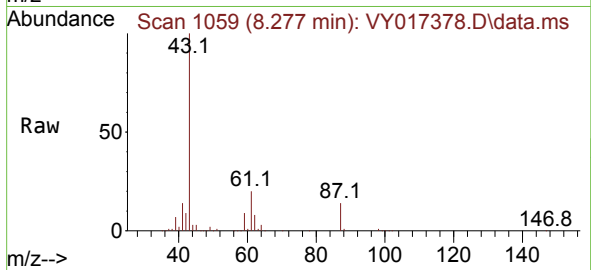




#43  
Isopropyl Acetate  
Concen: 141.114 ug/l  
RT: 8.277 min Scan# 1105  
Delta R.T. -0.012 min  
Lab File: VY017378.D  
Acq: 14 Feb 2024 12:34

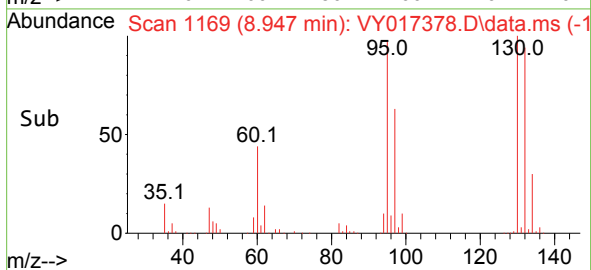
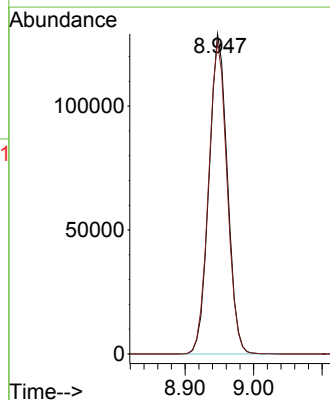
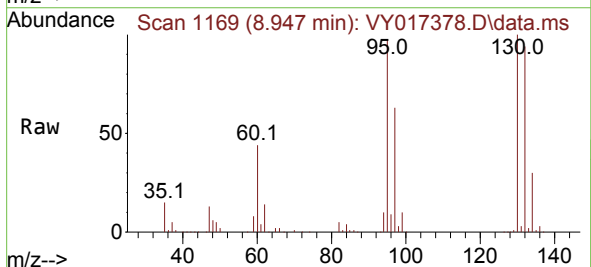
Instrument :  
MSVOA\_Y  
ClientSampleId :

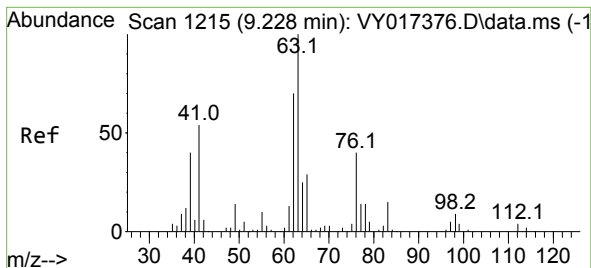
Tgt Ion: 43 Resp: 228134  
Ion Ratio Lower Upper  
43 100  
61 31.7 24.8 37.2  
87 14.0 10.7 16.1



#44  
Trichloroethene  
Concen: 149.729 ug/l  
RT: 8.947 min Scan# 1169  
Delta R.T. -0.006 min  
Lab File: VY017378.D  
Acq: 14 Feb 2024 12:34

Tgt Ion:130 Resp: 240642  
Ion Ratio Lower Upper  
130 100  
95 97.5 0.0 203.8





#45

1,2-Dichloropropane

Concen: 145.615 ug/l

RT: 9.222 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY017378.D

Acq: 14 Feb 2024 12:34

Instrument :

MSVOA\_Y

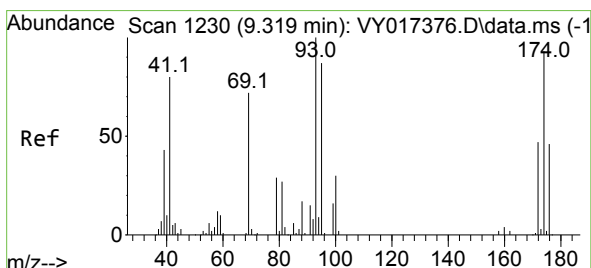
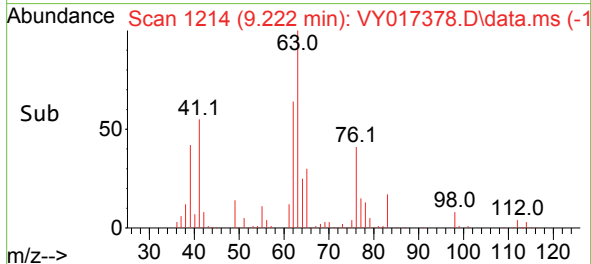
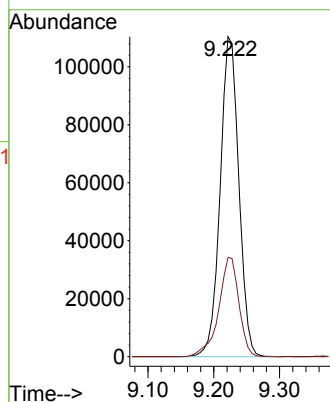
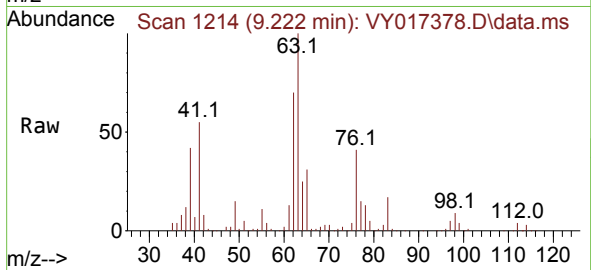
ClientSampleId :

Tgt Ion: 63 Resp: 217965

Ion Ratio Lower Upper

63 100

65 31.1 24.6 36.8



#46

Dibromomethane

Concen: 142.683 ug/l

RT: 9.313 min Scan# 1229

Delta R.T. -0.006 min

Lab File: VY017378.D

Acq: 14 Feb 2024 12:34

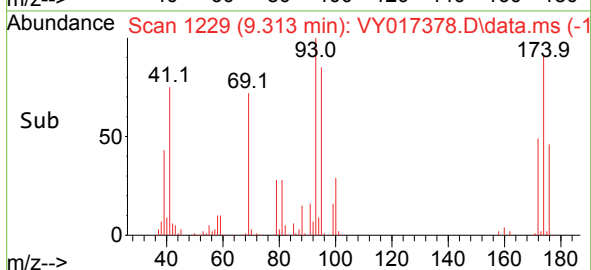
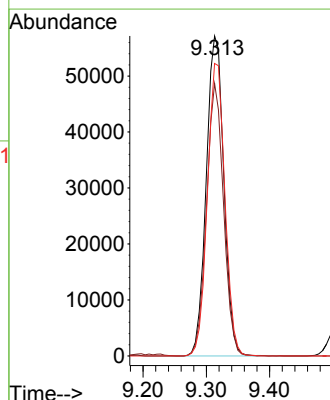
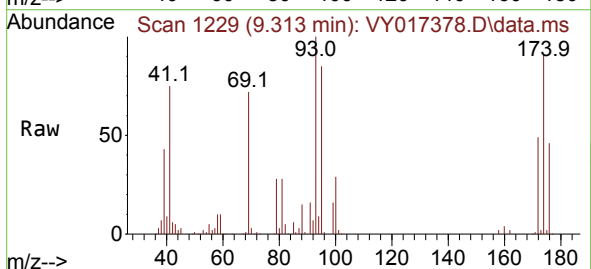
Tgt Ion: 93 Resp: 110826

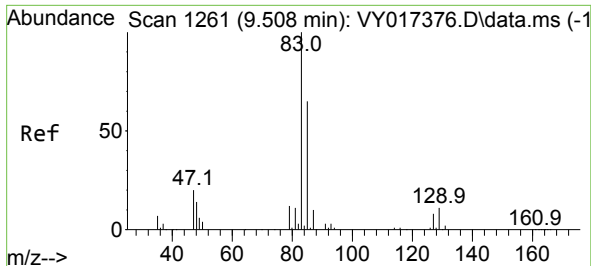
Ion Ratio Lower Upper

93 100

95 82.4 66.6 99.8

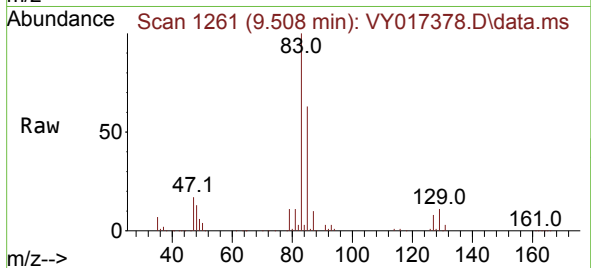
174 90.9 73.8 110.6



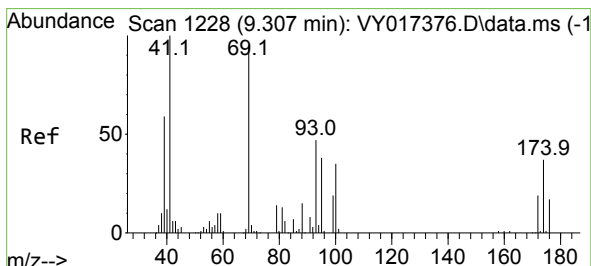
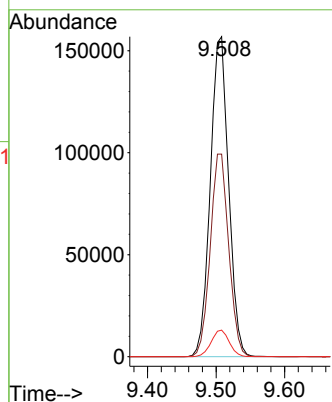
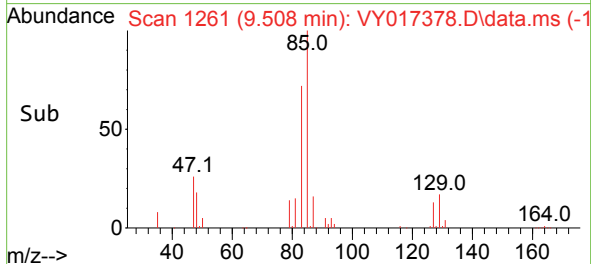


#47  
Bromodichloromethane  
Concen: 145.403 ug/l  
RT: 9.508 min Scan# 1261  
Delta R.T. -0.000 min  
Lab File: VY017378.D  
Acq: 14 Feb 2024 12:34

Instrument :  
MSVOA\_Y  
ClientSampleId :

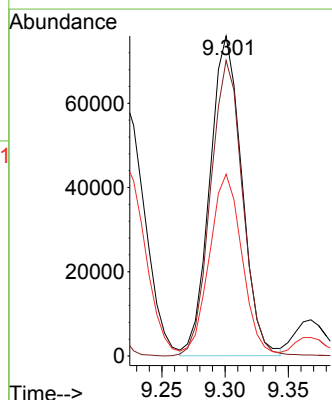
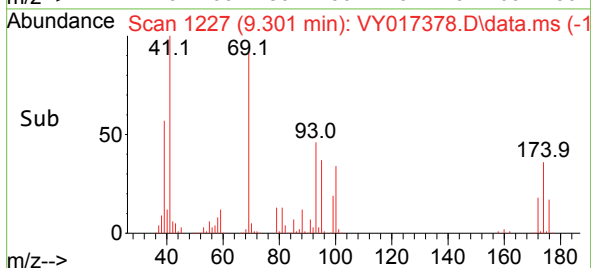
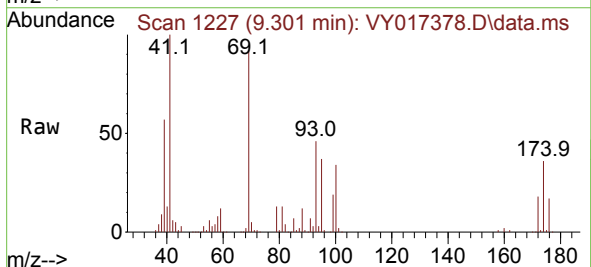


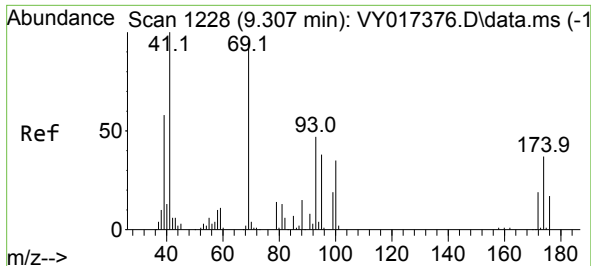
Tgt Ion: 83 Resp: 290478  
Ion Ratio Lower Upper  
83 100  
85 63.3 53.2 79.8  
127 8.3 6.4 9.6



#48  
Methyl methacrylate  
Concen: 156.929 ug/l  
RT: 9.301 min Scan# 1227  
Delta R.T. -0.006 min  
Lab File: VY017378.D  
Acq: 14 Feb 2024 12:34

Tgt Ion: 41 Resp: 133761  
Ion Ratio Lower Upper  
41 100  
69 92.8 72.1 108.1  
39 55.3 42.8 64.2





#49

1,4-Dioxane

Concen: 2813.905 ug/l

RT: 9.307 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY017378.D

Acq: 14 Feb 2024 12:34

Instrument :

MSVOA\_Y

ClientSampleId :

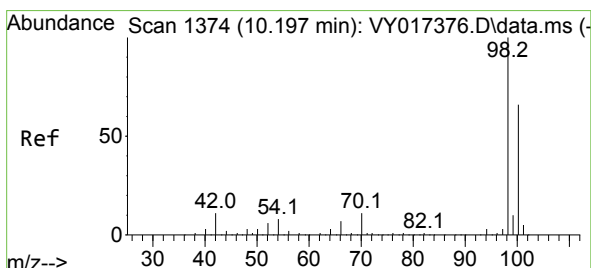
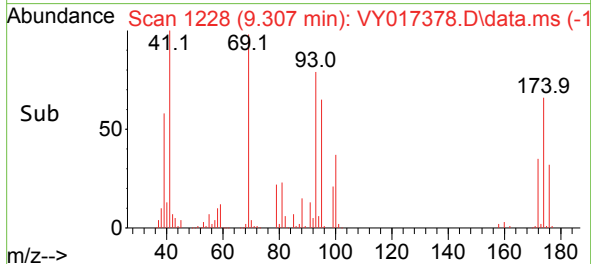
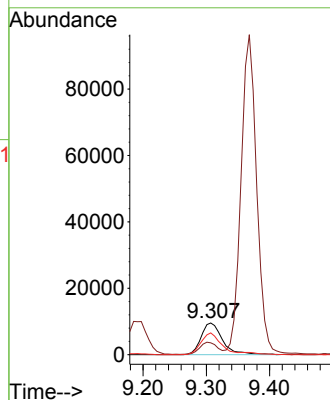
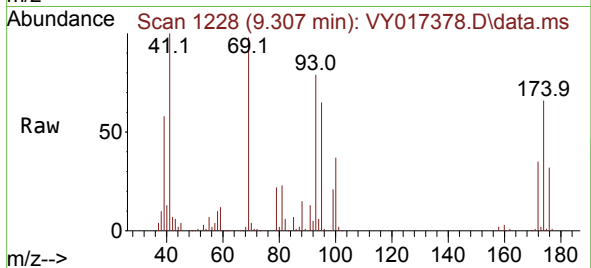
Tgt Ion: 88 Resp: 22521

Ion Ratio Lower Upper

88 100

43 31.6 28.2 42.4

58 69.9 52.2 78.2



#50

Toluene-d8

Concen: 153.234 ug/l

RT: 10.191 min Scan# 1373

Delta R.T. -0.006 min

Lab File: VY017378.D

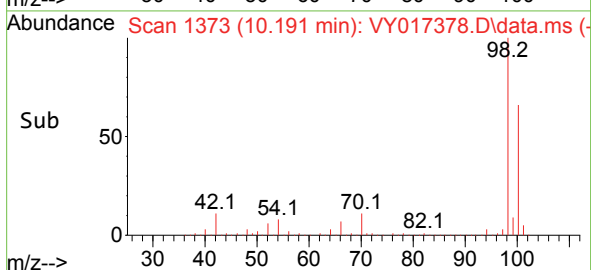
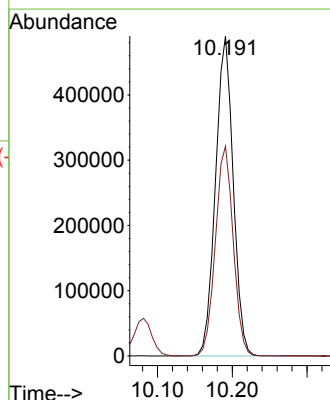
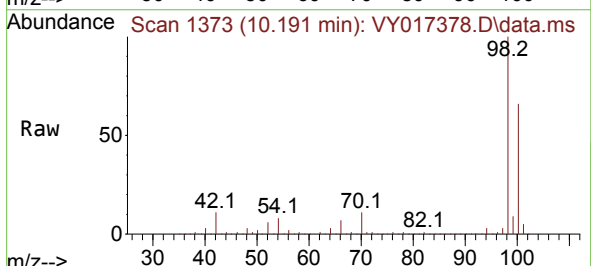
Acq: 14 Feb 2024 12:34

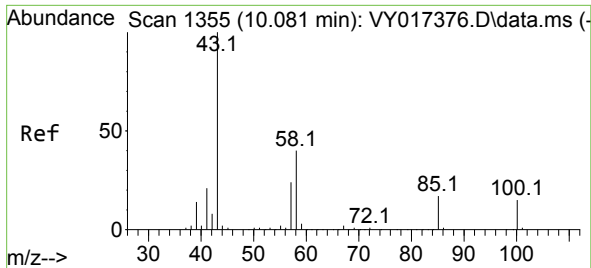
Tgt Ion: 98 Resp: 805015

Ion Ratio Lower Upper

98 100

100 66.1 52.3 78.5





#51

4-Methyl-2-Pentanone

Concen: 689.670 ug/l

RT: 10.081 min Scan# 1355

Delta R.T. -0.000 min

Lab File: VY017378.D

Acq: 14 Feb 2024 12:34

Instrument :

MSVOA\_Y

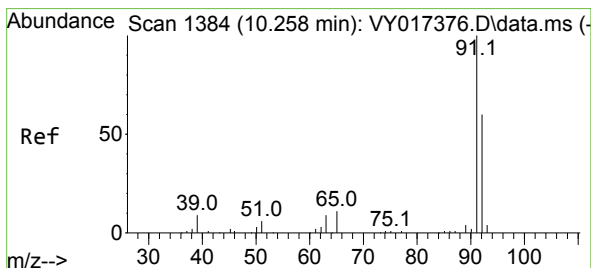
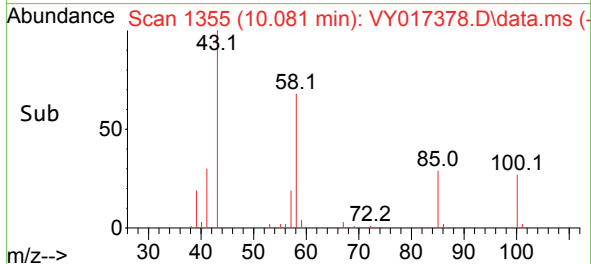
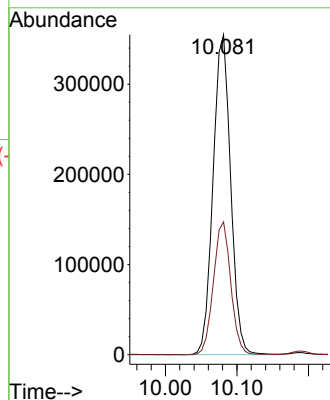
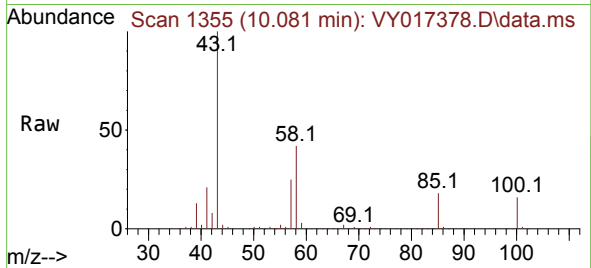
ClientSampleId :

Tgt Ion: 43 Resp: 605801

Ion Ratio Lower Upper

43 100

58 41.0 32.2 48.2



#52

Toluene

Concen: 150.831 ug/l

RT: 10.252 min Scan# 1383

Delta R.T. -0.006 min

Lab File: VY017378.D

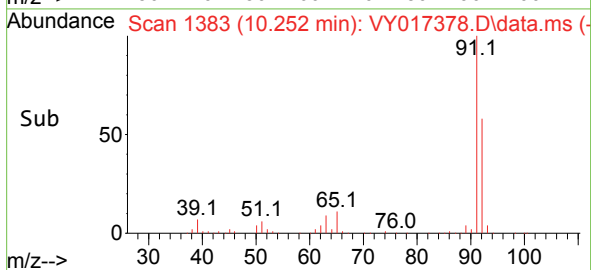
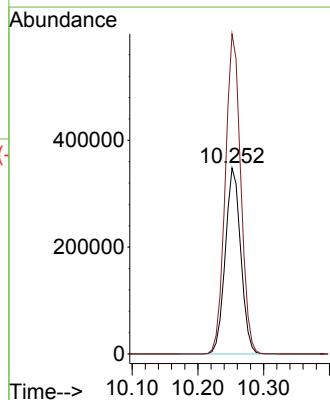
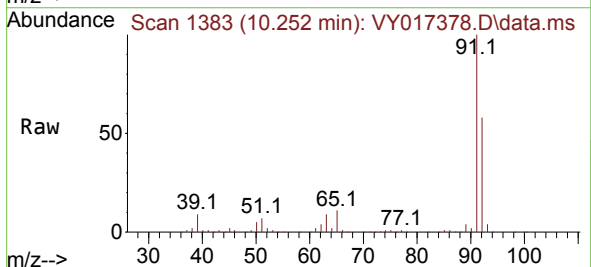
Acq: 14 Feb 2024 12:34

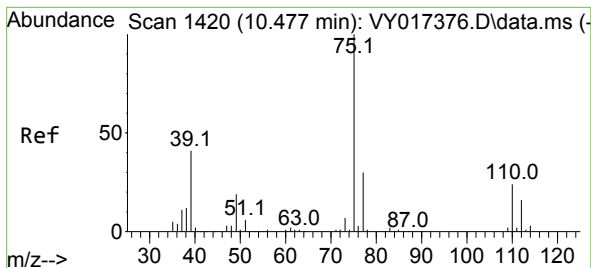
Tgt Ion: 92 Resp: 570086

Ion Ratio Lower Upper

92 100

91 172.1 137.6 206.4

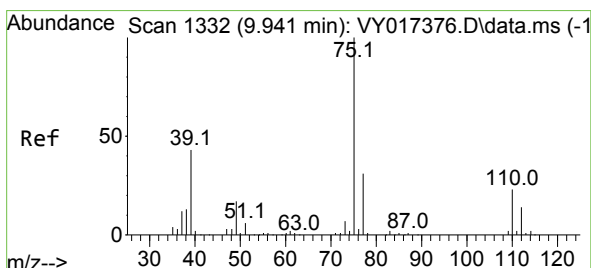
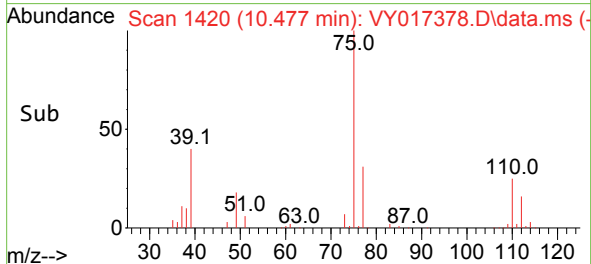
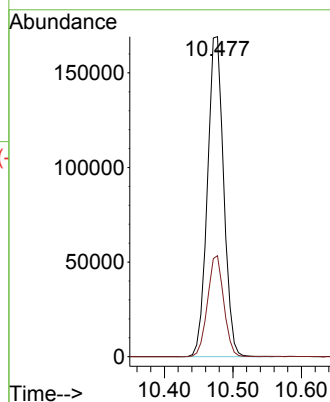
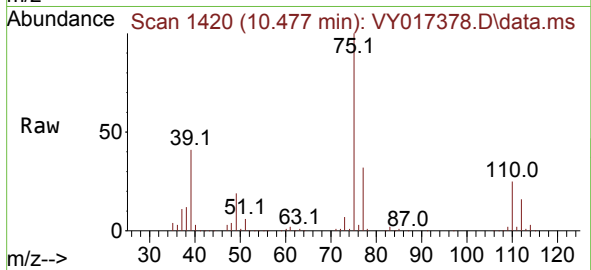




#53  
t-1,3-Dichloropropene  
Concen: 150.878 ug/l  
RT: 10.477 min Scan# 1420  
Delta R.T. -0.000 min  
Lab File: VY017378.D  
Acq: 14 Feb 2024 12:34

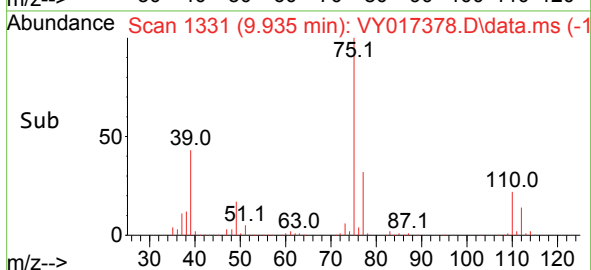
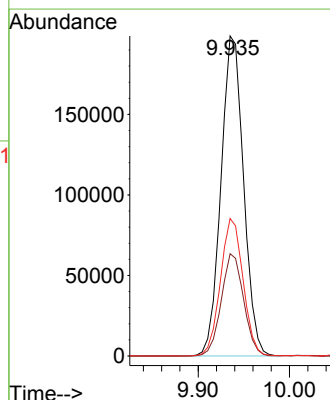
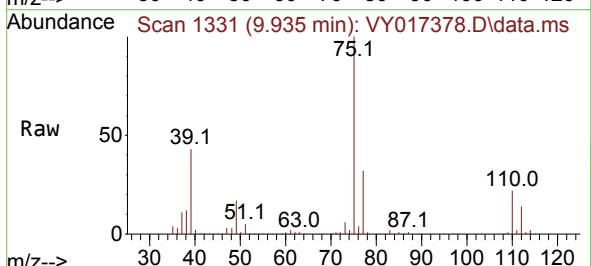
Instrument :  
MSVOA\_Y  
ClientSampleId :

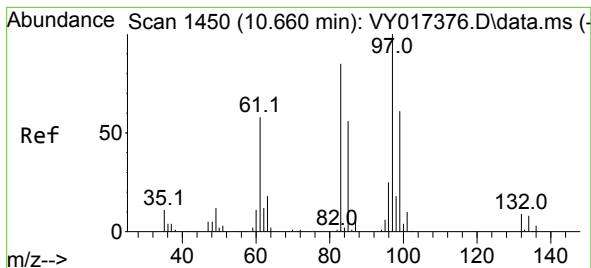
Tgt Ion: 75 Resp: 279243  
Ion Ratio Lower Upper  
75 100  
77 31.6 24.6 36.8



#54  
cis-1,3-Dichloropropene  
Concen: 150.842 ug/l  
RT: 9.935 min Scan# 1331  
Delta R.T. -0.006 min  
Lab File: VY017378.D  
Acq: 14 Feb 2024 12:34

Tgt Ion: 75 Resp: 341754  
Ion Ratio Lower Upper  
75 100  
77 31.9 24.6 36.8  
39 43.0 33.6 50.4





#55

1,1,2-Trichloroethane

Concen: 140.766 ug/l

RT: 10.654 min Scan# 14

Delta R.T. -0.006 min

Lab File: VY017378.D

Acq: 14 Feb 2024 12:34

Instrument :

MSVOA\_Y

ClientSampleId :

Tgt Ion: 97 Resp: 149949

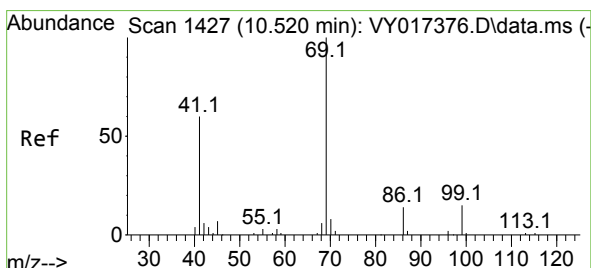
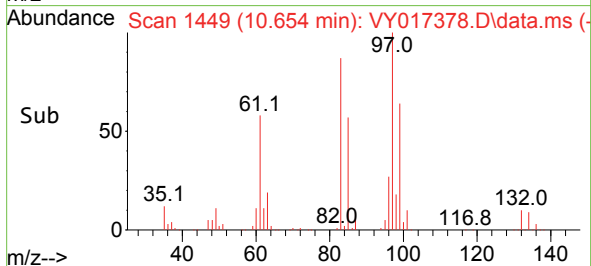
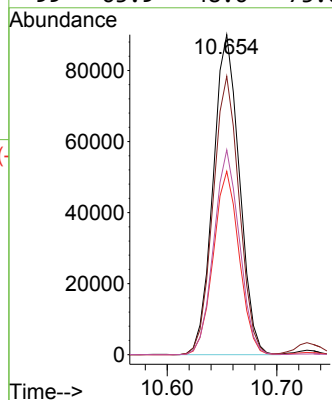
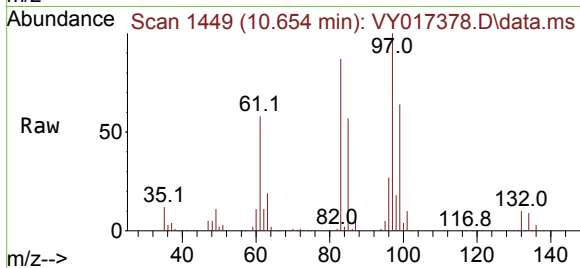
Ion Ratio Lower Upper

97 100

83 87.0 69.4 104.2

85 57.2 43.9 65.9

99 63.9 48.6 73.0



#56

Ethyl methacrylate

Concen: 133.704 ug/l

RT: 10.520 min Scan# 1427

Delta R.T. -0.000 min

Lab File: VY017378.D

Acq: 14 Feb 2024 12:34

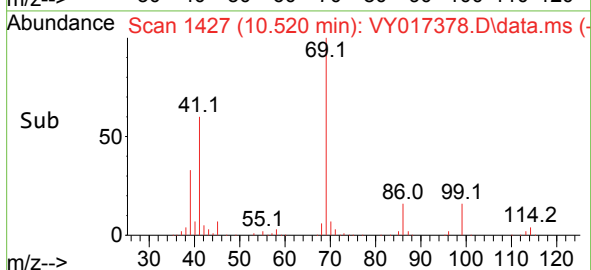
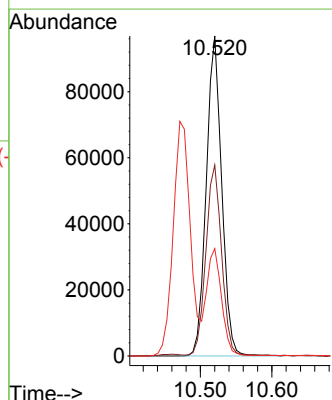
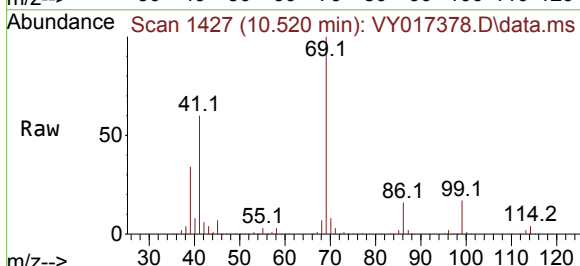
Tgt Ion: 69 Resp: 145170

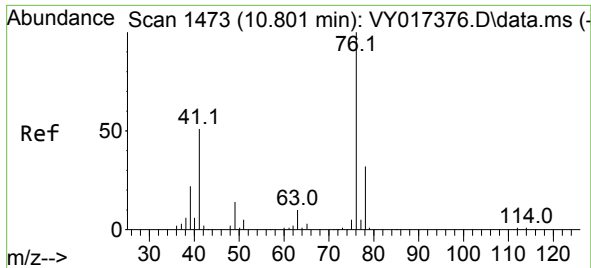
Ion Ratio Lower Upper

69 100

41 60.5 49.2 73.8

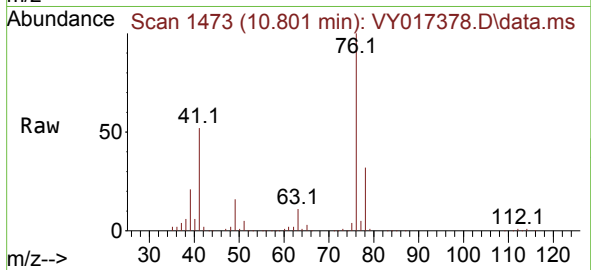
39 31.5 26.8 40.2



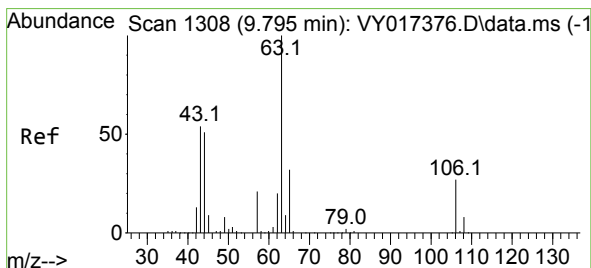
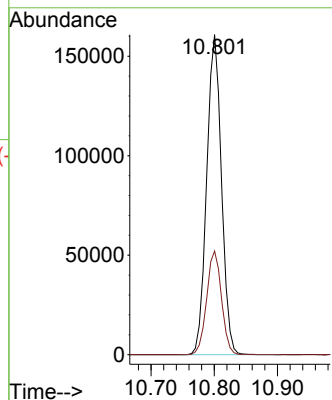
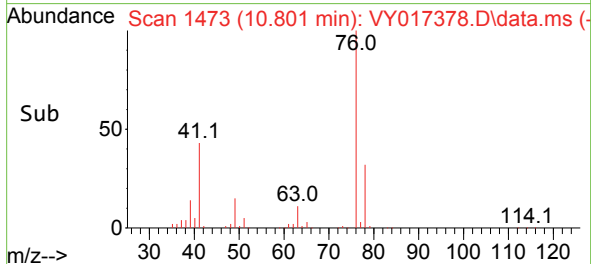


#57  
1,3-Dichloropropane  
Concen: 142.376 ug/l  
RT: 10.801 min Scan# 1473  
Delta R.T. -0.000 min  
Lab File: VY017378.D  
Acq: 14 Feb 2024 12:34

Instrument :  
MSVOA\_Y  
ClientSampleId :

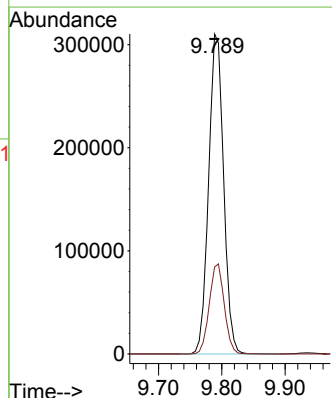
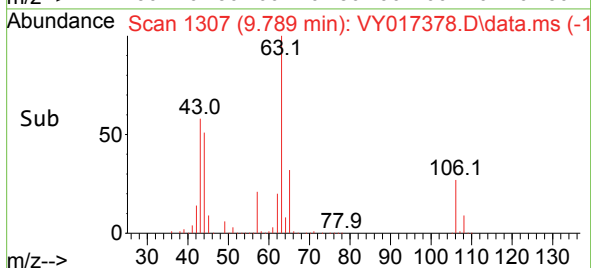
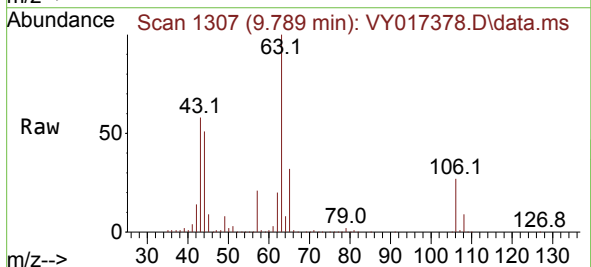


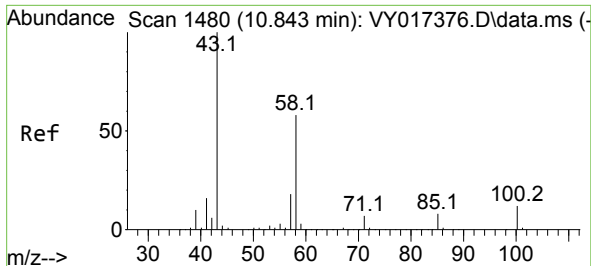
Tgt Ion: 76 Resp: 261215  
Ion Ratio Lower Upper  
76 100  
78 32.5 26.1 39.1



#58  
2-Chloroethyl Vinyl ether  
Concen: 735.390 ug/l  
RT: 9.789 min Scan# 1307  
Delta R.T. -0.006 min  
Lab File: VY017378.D  
Acq: 14 Feb 2024 12:34

Tgt Ion: 63 Resp: 512096  
Ion Ratio Lower Upper  
63 100  
106 28.1 22.4 33.6

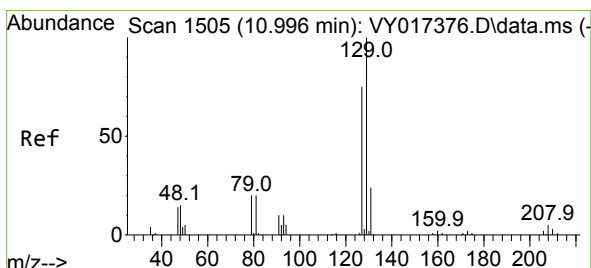
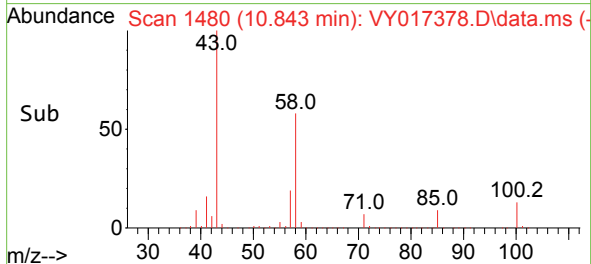
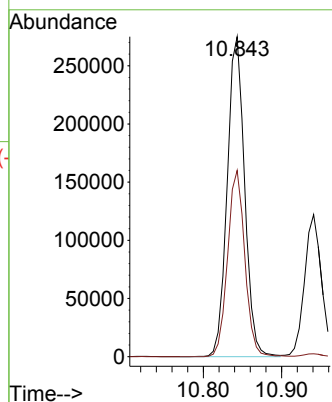
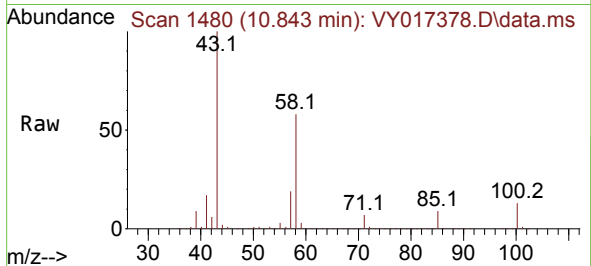




#59  
2-Hexanone  
Concen: 673.434 ug/l  
RT: 10.843 min Scan# 1480  
Delta R.T. 0.000 min  
Lab File: VY017378.D  
Acq: 14 Feb 2024 12:34

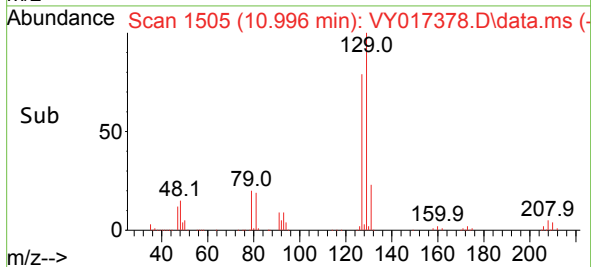
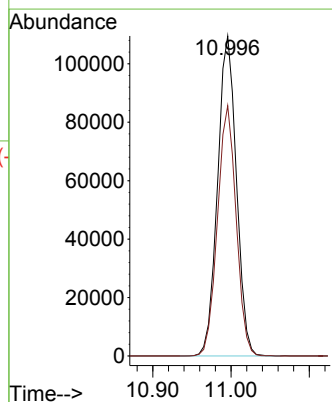
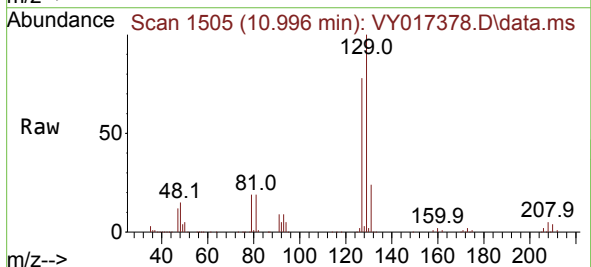
Instrument :  
MSVOA\_Y  
ClientSampleId :

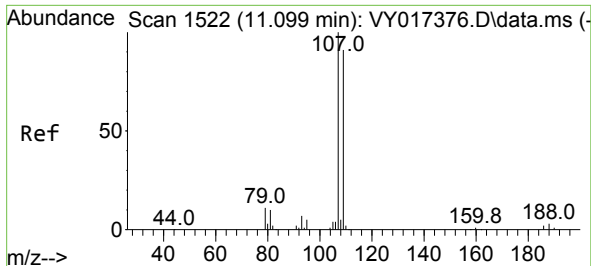
Tgt Ion: 43 Resp: 425090  
Ion Ratio Lower Upper  
43 100  
58 57.5 28.1 84.3



#60  
Dibromochloromethane  
Concen: 148.017 ug/l  
RT: 10.996 min Scan# 1505  
Delta R.T. -0.000 min  
Lab File: VY017378.D  
Acq: 14 Feb 2024 12:34

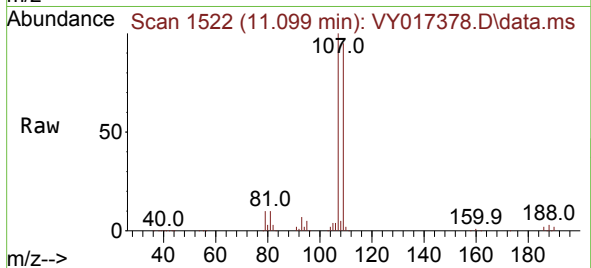
Tgt Ion:129 Resp: 183116  
Ion Ratio Lower Upper  
129 100  
127 77.5 39.2 117.6



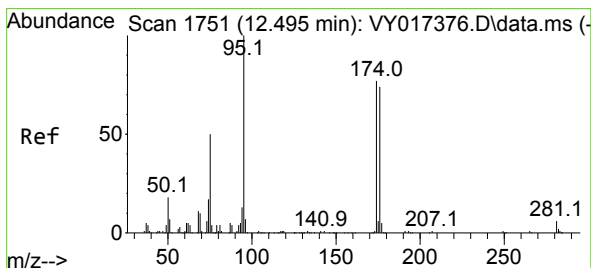
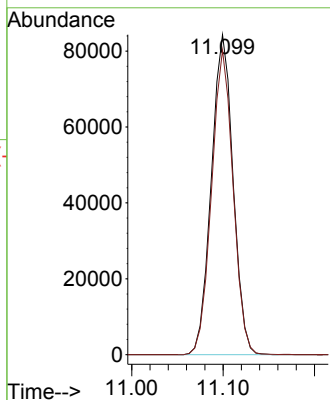
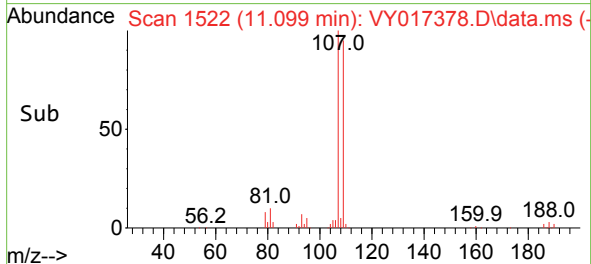


#61  
1,2-Dibromoethane  
Concen: 142.906 ug/l  
RT: 11.099 min Scan# 1522  
Delta R.T. -0.000 min  
Lab File: VY017378.D  
Acq: 14 Feb 2024 12:34

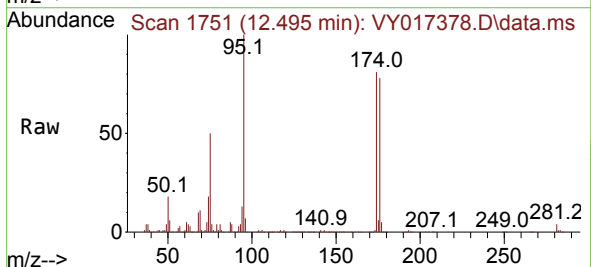
Instrument :  
MSVOA\_Y  
ClientSampleId :



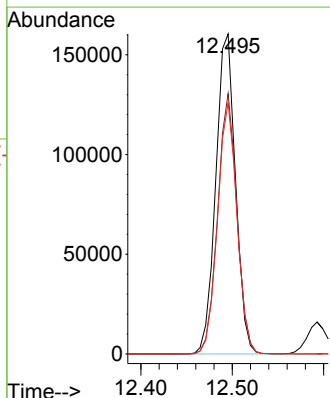
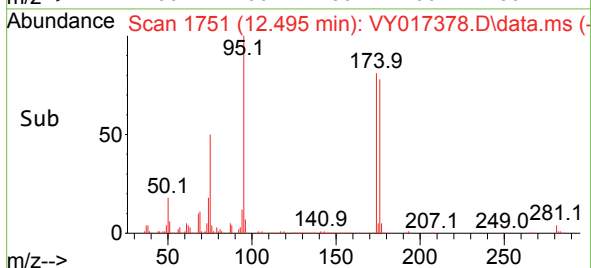
Tgt Ion:107 Resp: 139605  
Ion Ratio Lower Upper  
107 100  
109 94.0 75.4 113.2

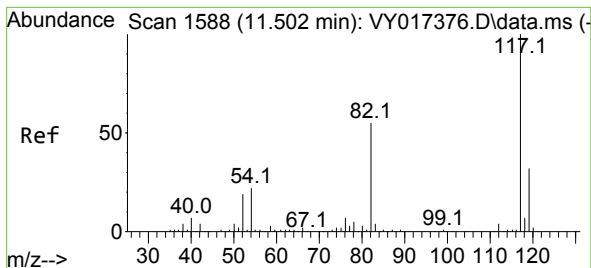


#62  
4-Bromofluorobenzene  
Concen: 149.470 ug/l  
RT: 12.495 min Scan# 1751  
Delta R.T. -0.000 min  
Lab File: VY017378.D  
Acq: 14 Feb 2024 12:34



Tgt Ion: 95 Resp: 240726  
Ion Ratio Lower Upper  
95 100  
174 79.5 0.0 160.0  
176 76.9 0.0 151.8

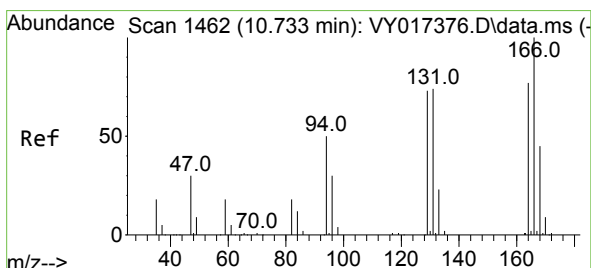
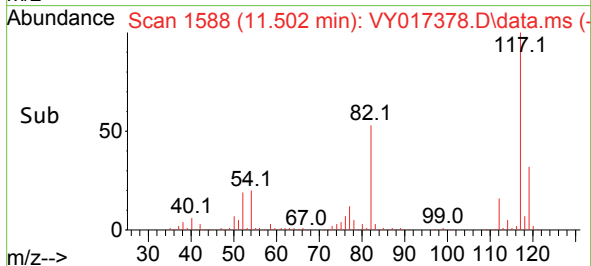
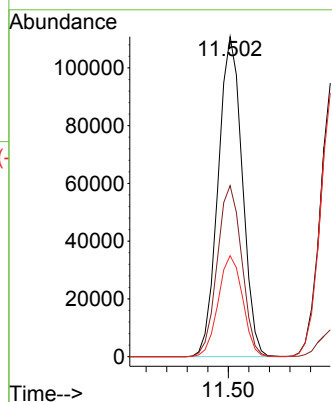
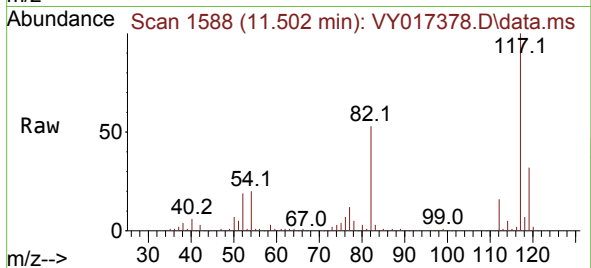




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.502 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY017378.D  
Acq: 14 Feb 2024 12:34

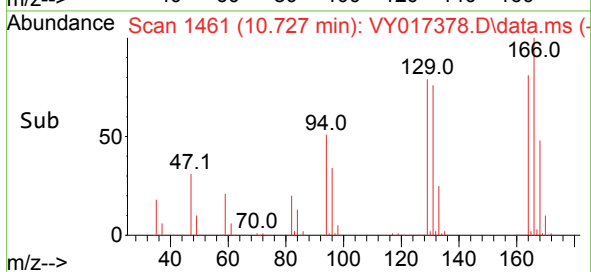
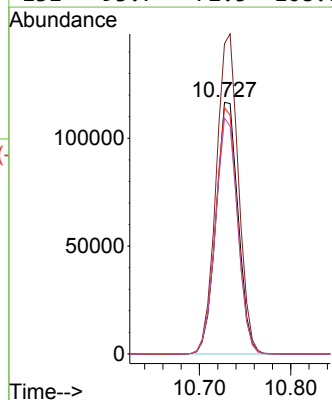
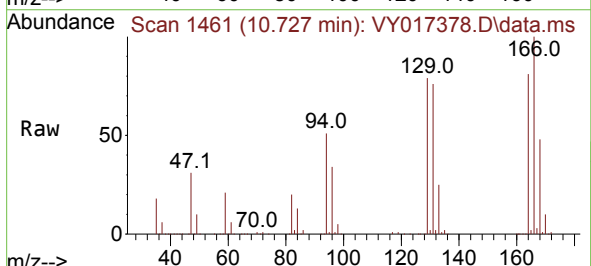
Instrument :  
MSVOA\_Y  
ClientSampleId :

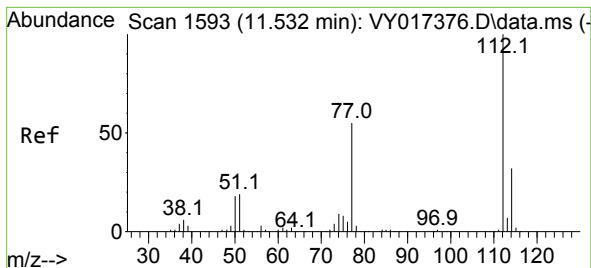
Tgt Ion:117 Resp: 180894  
Ion Ratio Lower Upper  
117 100  
82 53.5 43.8 65.8  
119 31.6 26.5 39.7



#64  
Tetrachloroethene  
Concen: 146.732 ug/l  
RT: 10.727 min Scan# 1461  
Delta R.T. -0.006 min  
Lab File: VY017378.D  
Acq: 14 Feb 2024 12:34

Tgt Ion:164 Resp: 196244  
Ion Ratio Lower Upper  
164 100  
166 123.3 98.8 148.2  
129 97.9 78.9 118.3  
131 93.7 72.5 108.7





#65

Chlorobenzene

Concen: 148.621 ug/l

RT: 11.526 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY017378.D

Acq: 14 Feb 2024 12:34

Instrument :

MSVOA\_Y

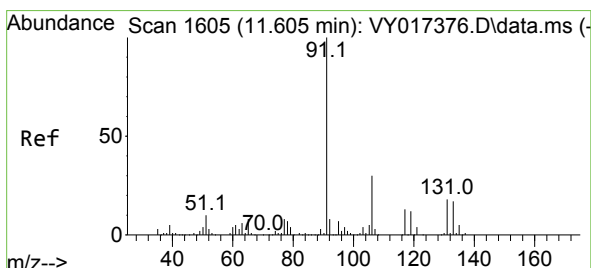
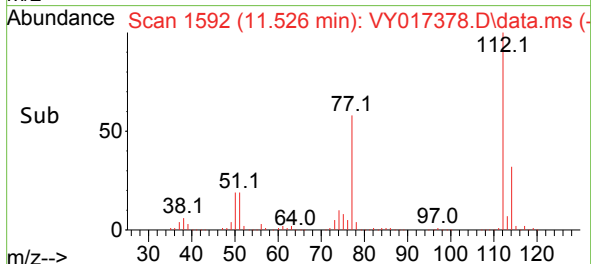
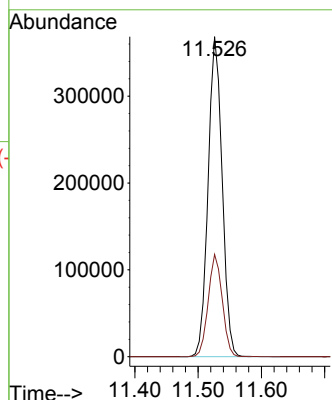
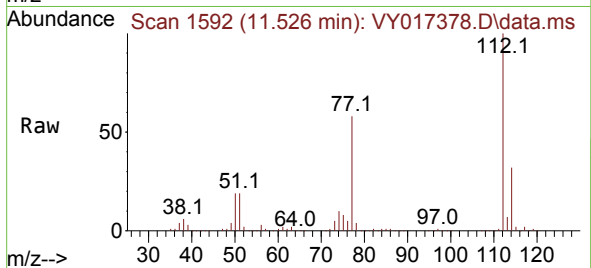
ClientSampleId :

Tgt Ion:112 Resp: 569978

Ion Ratio Lower Upper

112 100

114 31.9 26.1 39.1



#66

1,1,1,2-Tetrachloroethane

Concen: 154.974 ug/l

RT: 11.599 min Scan# 1604

Delta R.T. -0.006 min

Lab File: VY017378.D

Acq: 14 Feb 2024 12:34

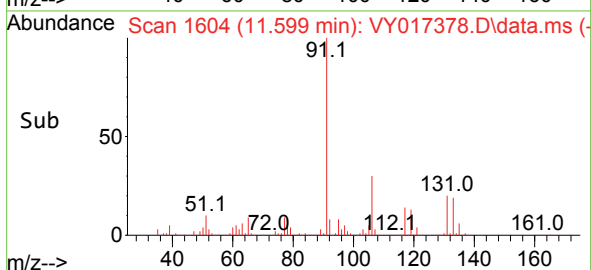
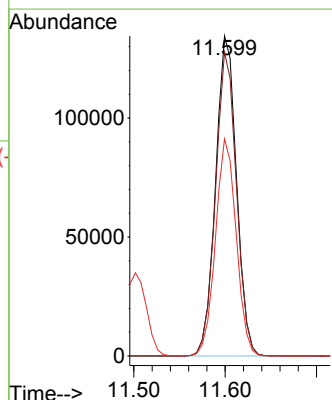
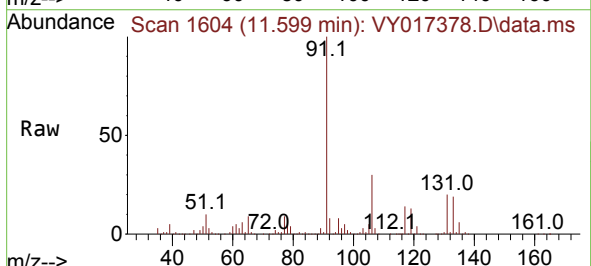
Tgt Ion:131 Resp: 213786

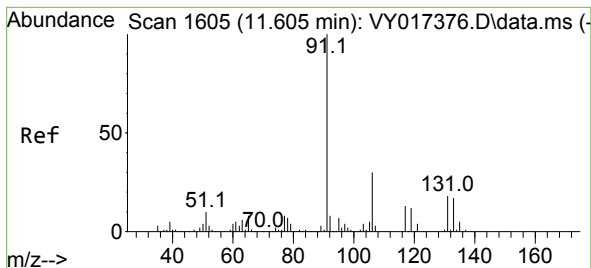
Ion Ratio Lower Upper

131 100

133 94.9 47.0 141.0

119 67.4 33.3 99.9





#67

Ethyl Benzene

Concen: 158.350 ug/l

RT: 11.605 min Scan# 1605

Delta R.T. -0.000 min

Lab File: VY017378.D

Acq: 14 Feb 2024 12:34

Instrument :

MSVOA\_Y

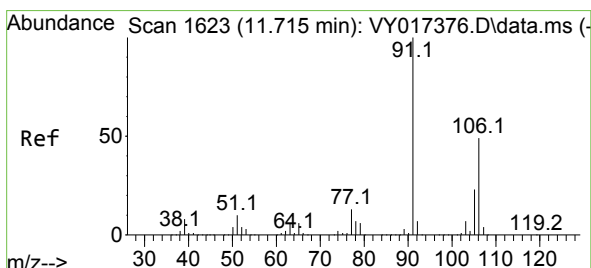
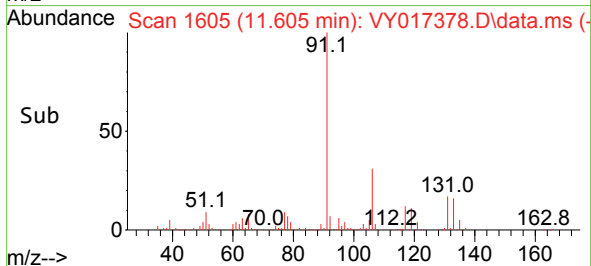
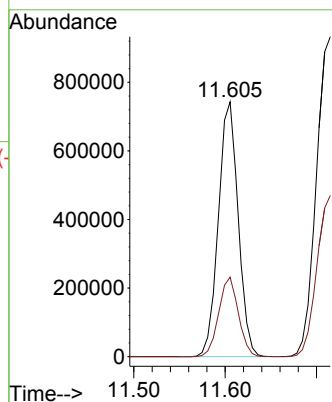
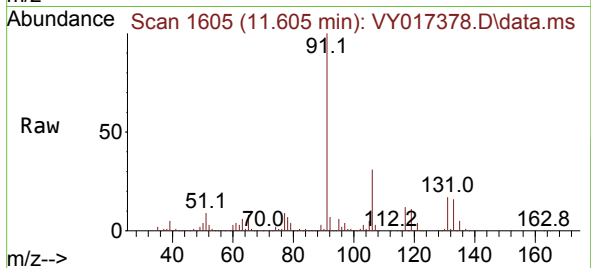
ClientSampleId :

Tgt Ion: 91 Resp: 1118598

Ion Ratio Lower Upper

91 100

106 31.2 25.0 37.4



#68

m/p-Xylenes

Concen: 313.562 ug/l

RT: 11.715 min Scan# 1623

Delta R.T. -0.000 min

Lab File: VY017378.D

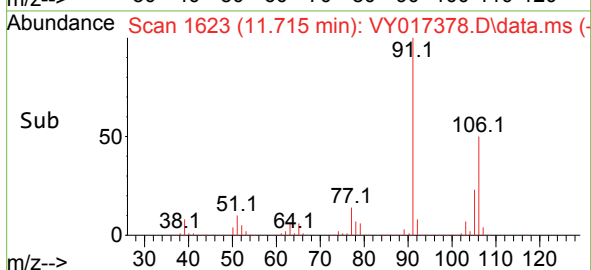
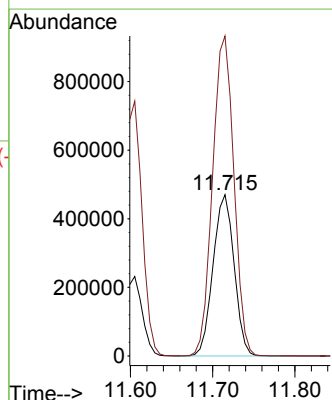
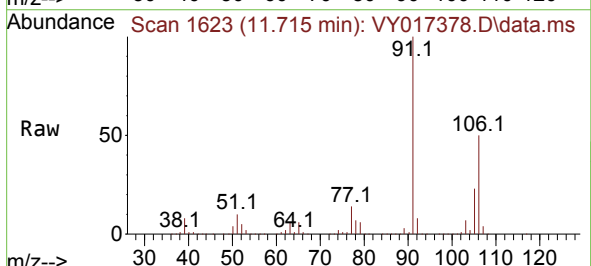
Acq: 14 Feb 2024 12:34

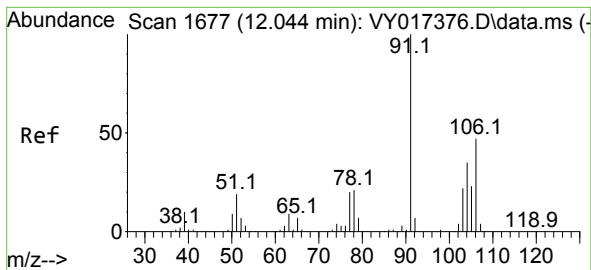
Tgt Ion:106 Resp: 835159

Ion Ratio Lower Upper

106 100

91 201.2 160.7 241.1





#69

o-Xylene

Concen: 158.912 ug/l

RT: 12.038 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY017378.D

Acq: 14 Feb 2024 12:34

Instrument :

MSVOA\_Y

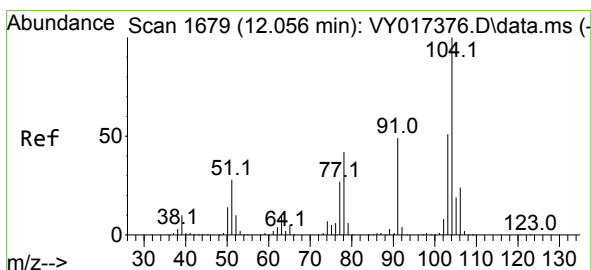
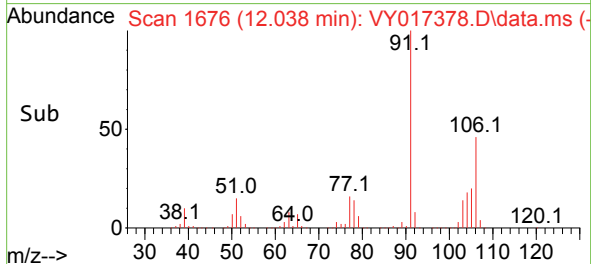
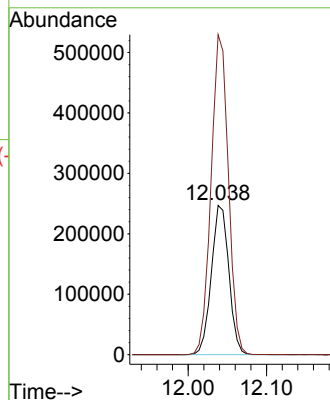
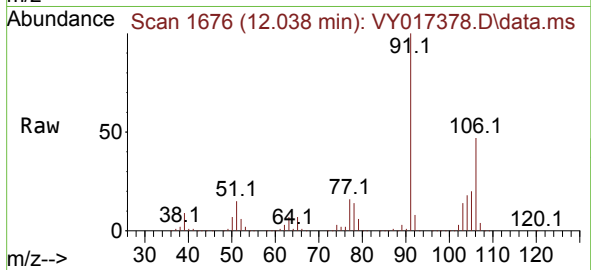
ClientSampleId :

Tgt Ion:106 Resp: 382891

Ion Ratio Lower Upper

106 100

91 212.1 106.5 319.5



#70

Styrene

Concen: 149.536 ug/l

RT: 12.056 min Scan# 1679

Delta R.T. -0.000 min

Lab File: VY017378.D

Acq: 14 Feb 2024 12:34

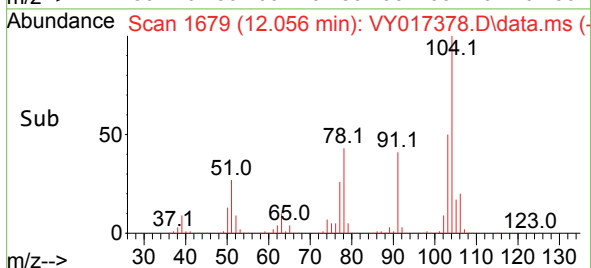
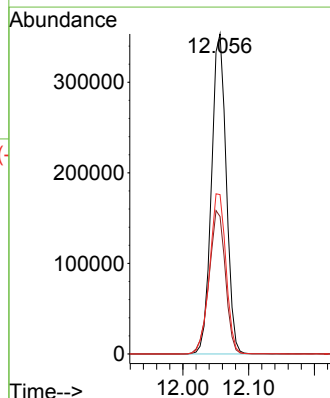
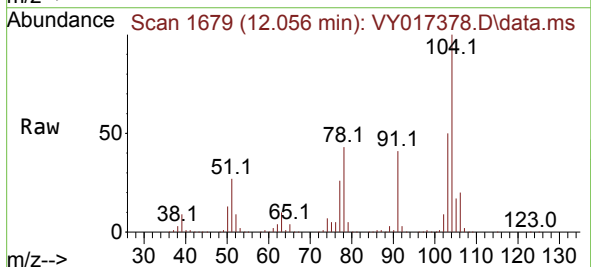
Tgt Ion:104 Resp: 552769

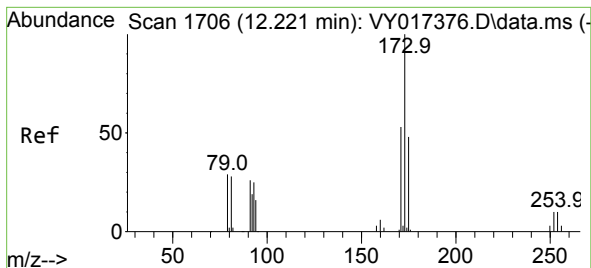
Ion Ratio Lower Upper

104 100

78 49.3 39.2 58.8

103 55.5 43.8 65.6





#71

Bromoform

Concen: 146.563 ug/l

RT: 12.221 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY017378.D

Acq: 14 Feb 2024 12:34

Instrument :

MSVOA\_Y

ClientSampleId :

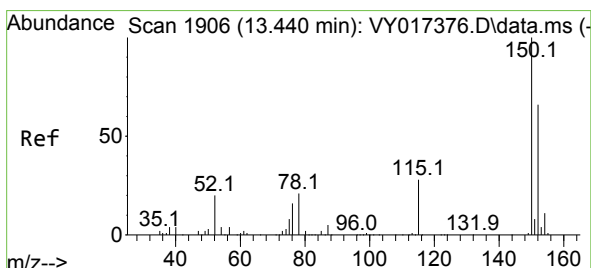
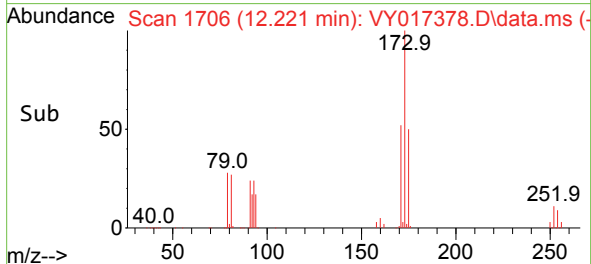
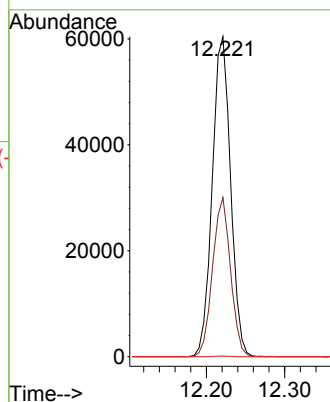
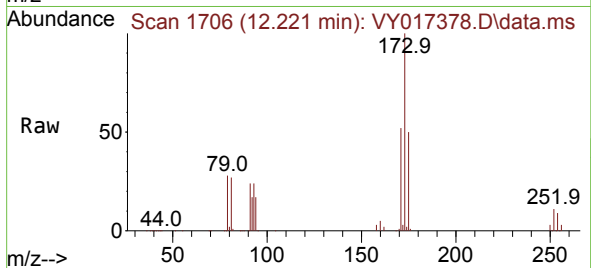
Tgt Ion:173 Resp: 98023

Ion Ratio Lower Upper

173 100

175 48.8 23.5 70.6

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. 0.000 min

Lab File: VY017378.D

Acq: 14 Feb 2024 12:34

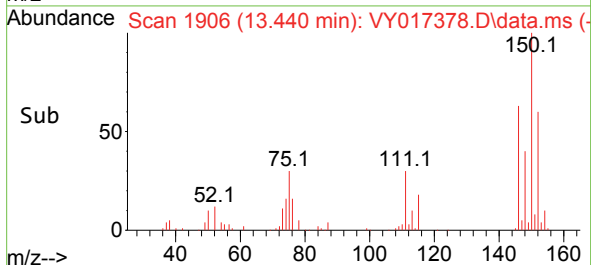
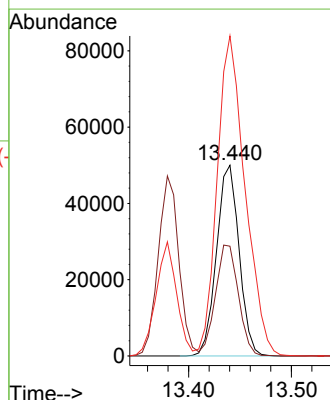
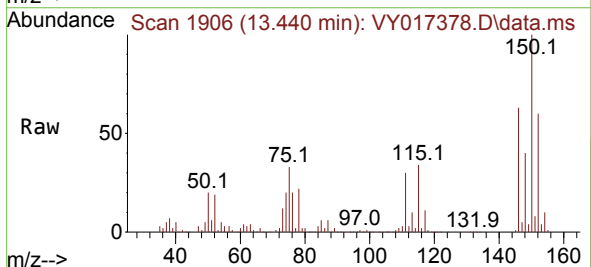
Tgt Ion:152 Resp: 76198

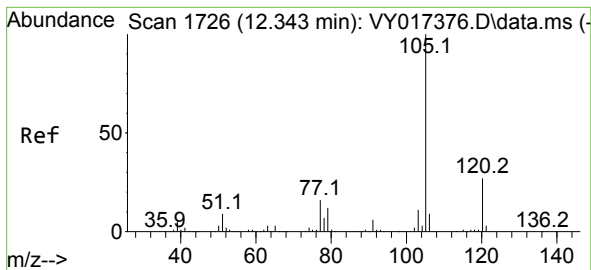
Ion Ratio Lower Upper

152 100

115 59.2 30.0 90.0

150 207.8 0.0 344.6

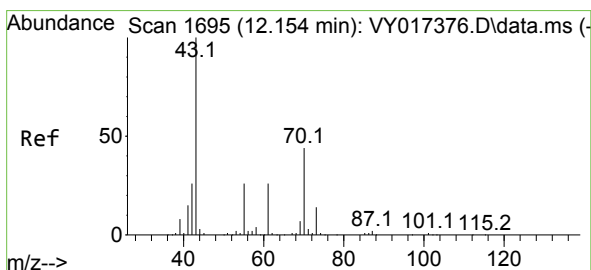
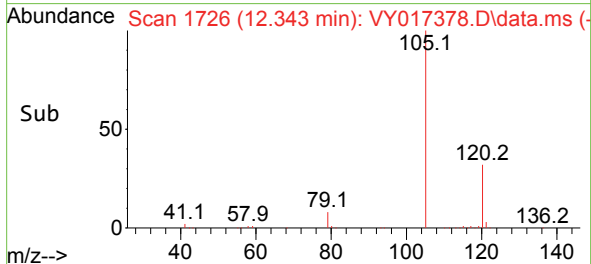
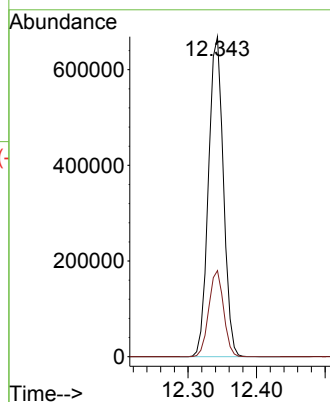
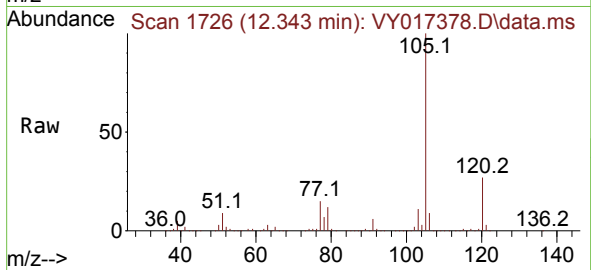




#73  
Isopropylbenzene  
Concen: 159.452 ug/l  
RT: 12.343 min Scan# 1726  
Delta R.T. -0.000 min  
Lab File: VY017378.D  
Acq: 14 Feb 2024 12:34

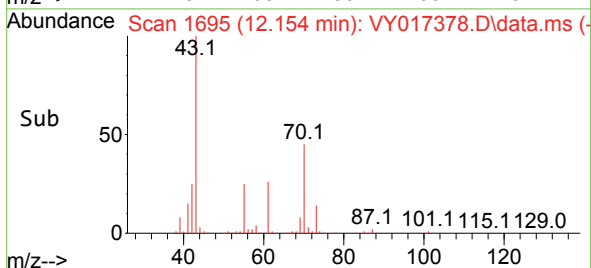
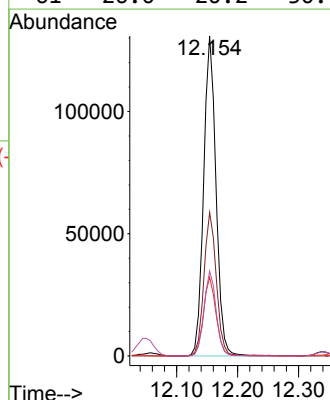
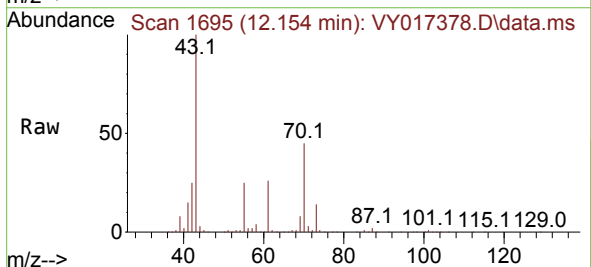
Instrument :  
MSVOA\_Y  
ClientSampleId :

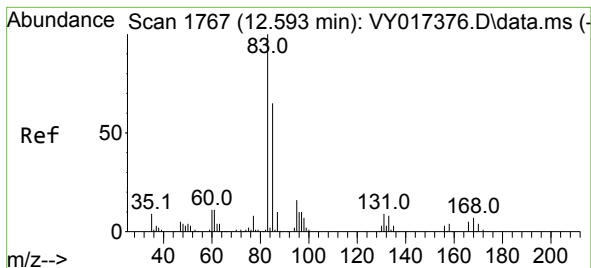
Tgt Ion:105 Resp: 1012527  
Ion Ratio Lower Upper  
105 100  
120 26.7 13.0 39.0



#74  
N-ethyl acetate  
Concen: 147.391 ug/l  
RT: 12.154 min Scan# 1695  
Delta R.T. -0.000 min  
Lab File: VY017378.D  
Acq: 14 Feb 2024 12:34

Tgt Ion: 43 Resp: 185049  
Ion Ratio Lower Upper  
43 100  
70 45.0 36.6 55.0  
55 25.2 22.2 33.4  
61 26.0 20.2 30.4

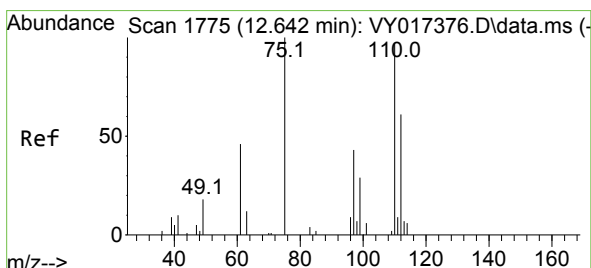
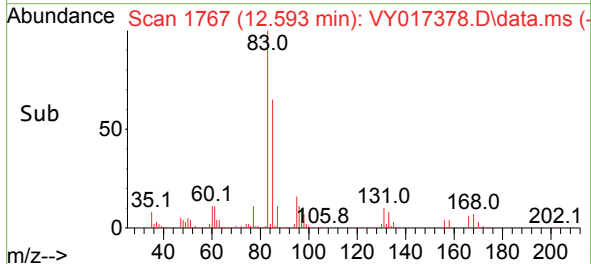
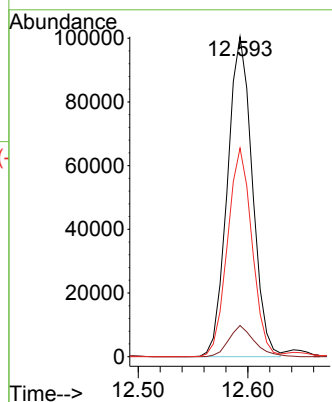
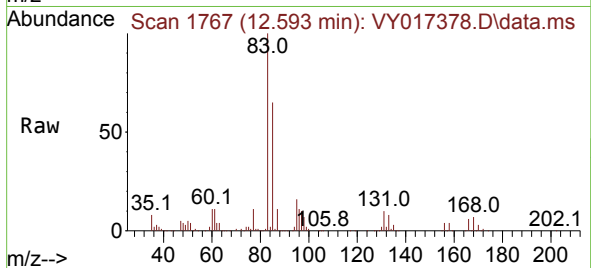




#75  
1,1,2,2-Tetrachloroethane  
Concen: 139.368 ug/l  
RT: 12.593 min Scan# 1767  
Delta R.T. -0.000 min  
Lab File: VY017378.D  
Acq: 14 Feb 2024 12:34

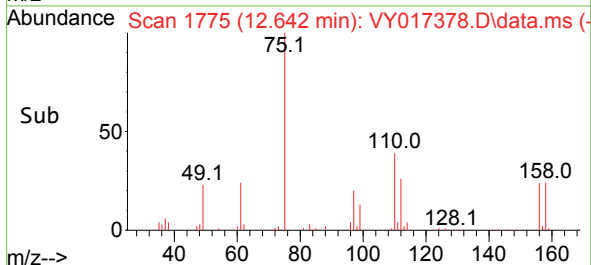
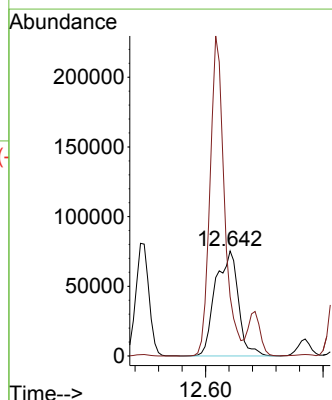
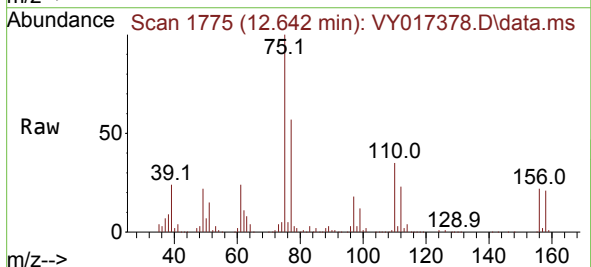
Instrument :  
MSVOA\_Y  
ClientSampleId :

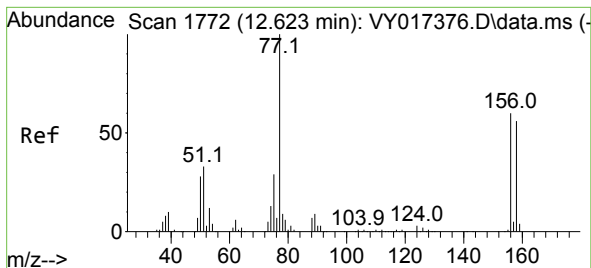
Tgt Ion: 83 Resp: 158602  
Ion Ratio Lower Upper  
83 100  
131 10.0 4.9 14.6  
85 64.2 32.6 98.0



#76  
1,2,3-Trichloropropane  
Concen: 259.763 ug/l  
RT: 12.642 min Scan# 1775  
Delta R.T. -0.000 min  
Lab File: VY017378.D  
Acq: 14 Feb 2024 12:34

Tgt Ion: 75 Resp: 204213  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 153.119 ug/l

RT: 12.623 min Scan# 1772

Delta R.T. -0.000 min

Lab File: VY017378.D

Acq: 14 Feb 2024 12:34

Instrument :

MSVOA\_Y

ClientSampleId :

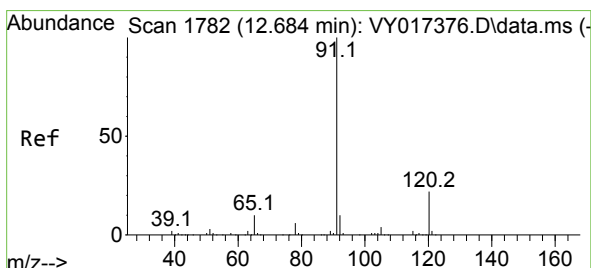
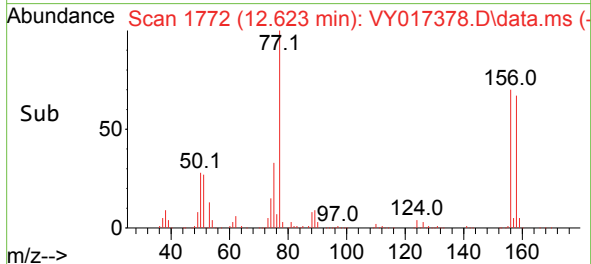
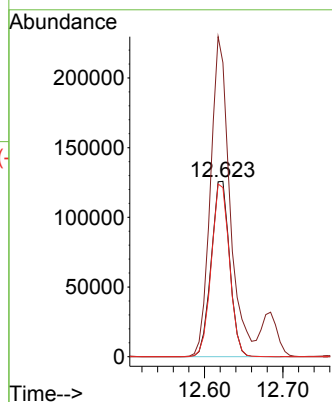
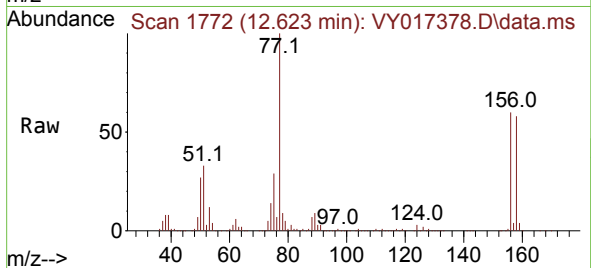
Tgt Ion:156 Resp: 204760

Ion Ratio Lower Upper

156 100

77 191.0 97.3 291.8

158 97.3 48.4 145.0



#78

n-propylbenzene

Concen: 154.894 ug/l

RT: 12.684 min Scan# 1782

Delta R.T. 0.000 min

Lab File: VY017378.D

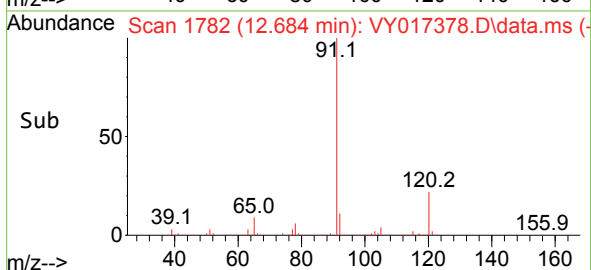
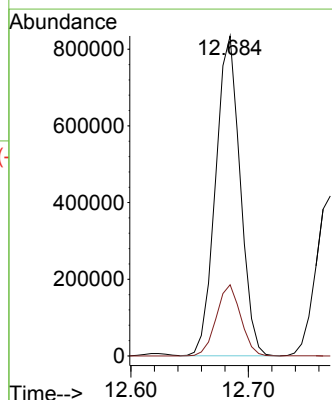
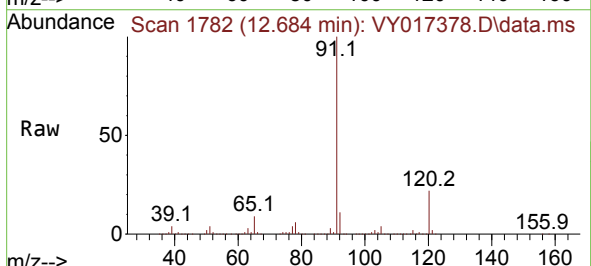
Acq: 14 Feb 2024 12:34

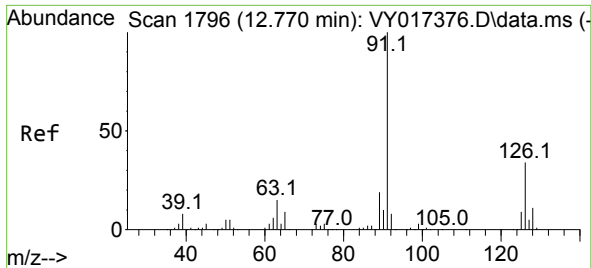
Tgt Ion: 91 Resp: 1210898

Ion Ratio Lower Upper

91 100

120 22.1 11.0 33.0

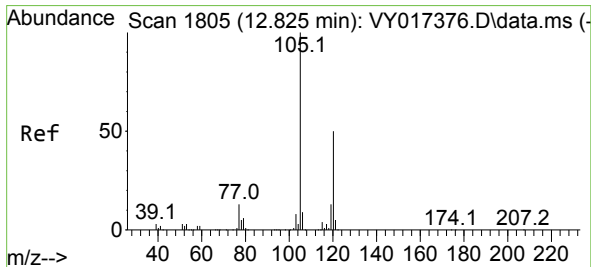
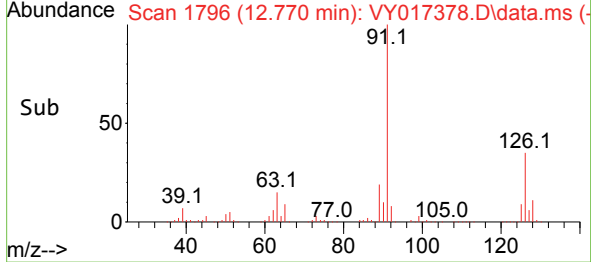
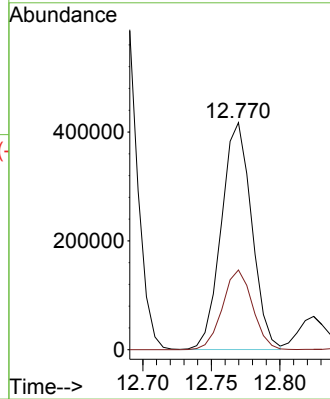
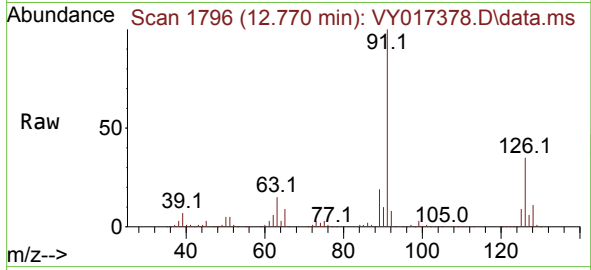




#79  
2-Chlorotoluene  
Concen: 151.068 ug/l  
RT: 12.770 min Scan# 1796  
Delta R.T. 0.000 min  
Lab File: VY017378.D  
Acq: 14 Feb 2024 12:34

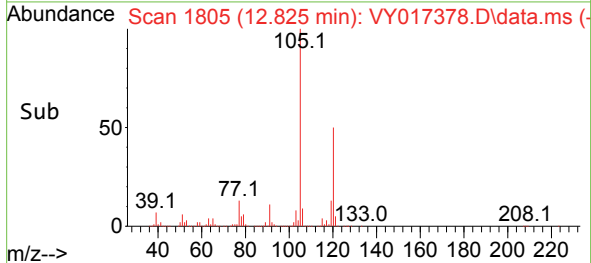
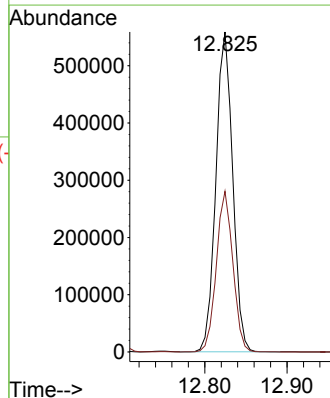
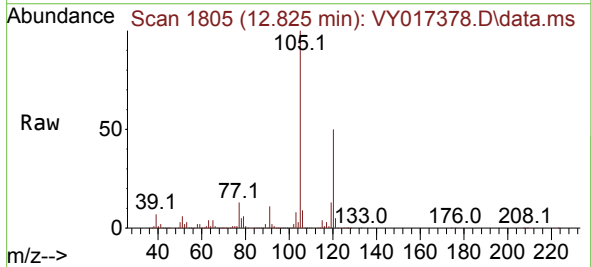
Instrument :  
MSVOA\_Y  
ClientSampleId :

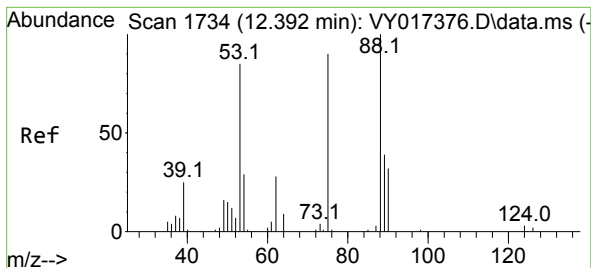
Tgt Ion: 91 Resp: 644450  
Ion Ratio Lower Upper  
91 100  
126 34.7 17.0 51.0



#80  
1,3,5-Trimethylbenzene  
Concen: 158.897 ug/l  
RT: 12.825 min Scan# 1805  
Delta R.T. -0.000 min  
Lab File: VY017378.D  
Acq: 14 Feb 2024 12:34

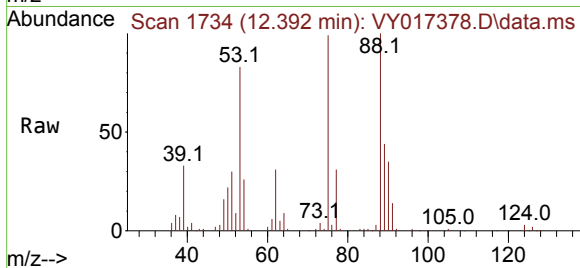
Tgt Ion:105 Resp: 792967  
Ion Ratio Lower Upper  
105 100  
120 49.5 24.3 72.8



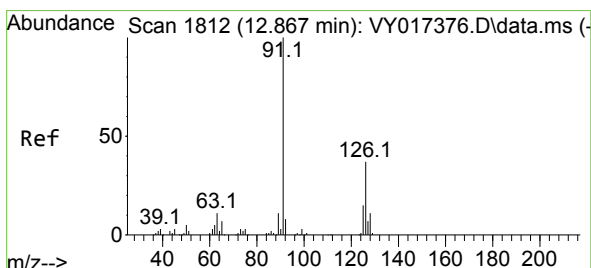
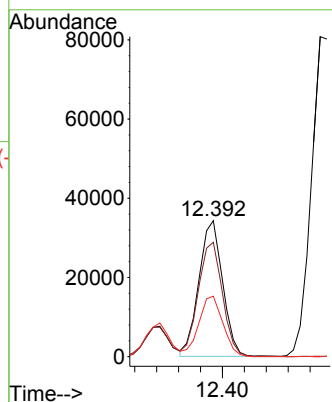
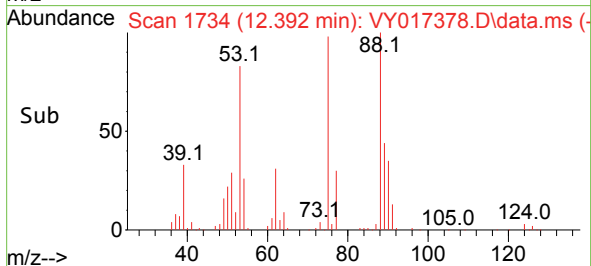


#81  
trans-1,4-Dichloro-2-butene  
Concen: 150.114 ug/l  
RT: 12.392 min Scan# 1734  
Delta R.T. -0.000 min  
Lab File: VY017378.D  
Acq: 14 Feb 2024 12:34

Instrument :  
MSVOA\_Y  
ClientSampleId :

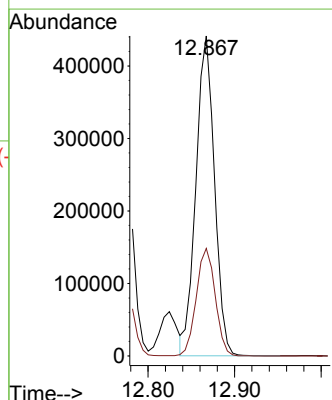
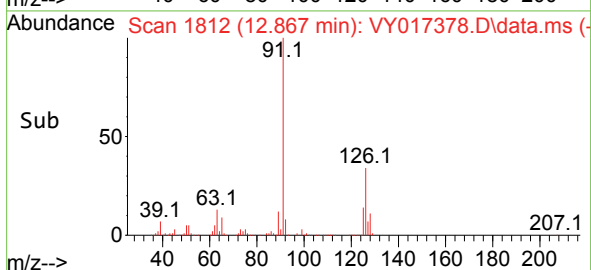
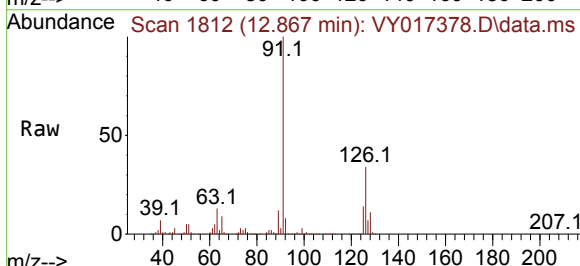


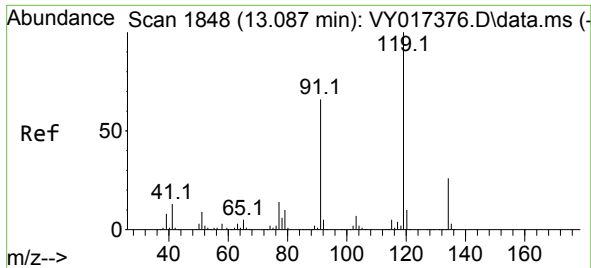
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 51627 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 86.4  | 74.0  | 111.0 |
| 89       | 45.4  | 36.5  | 54.7  |



#82  
4-Chlorotoluene  
Concen: 149.513 ug/l  
RT: 12.867 min Scan# 1812  
Delta R.T. -0.000 min  
Lab File: VY017378.D  
Acq: 14 Feb 2024 12:34

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 656606 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 126      | 34.4  | 17.1  | 51.2   |

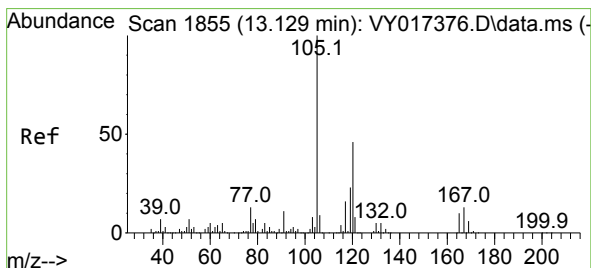
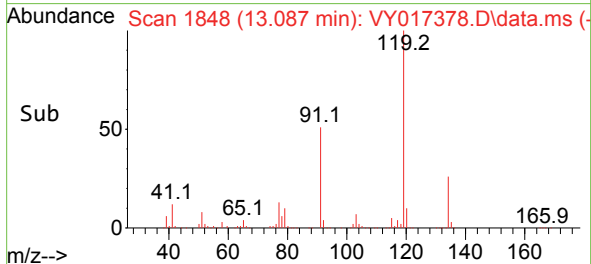
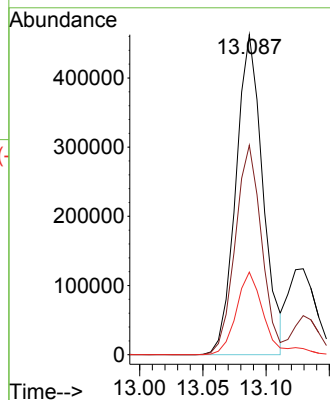
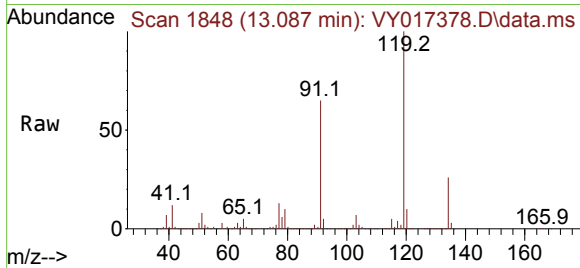




#83  
tert-Butylbenzene  
Concen: 157.763 ug/l  
RT: 13.087 min Scan# 119  
Delta R.T. 0.000 min  
Lab File: VY017378.D  
Acq: 14 Feb 2024 12:34

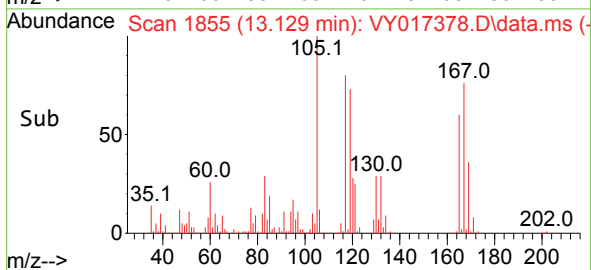
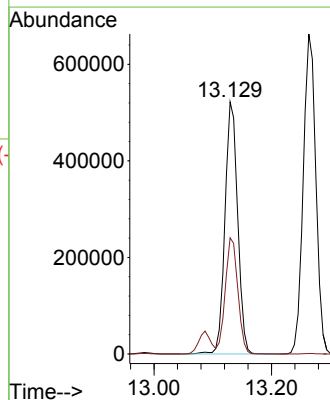
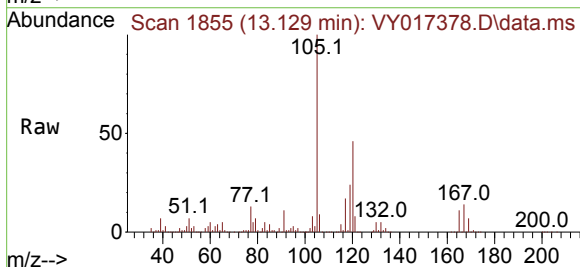
Instrument :  
MSVOA\_Y  
ClientSampleId :

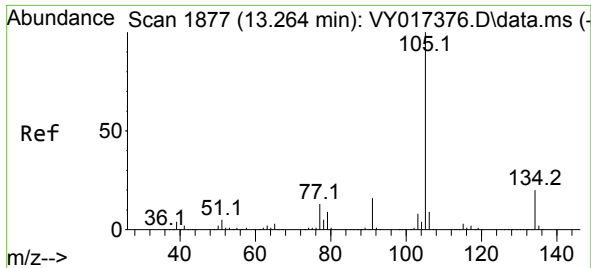
Tgt Ion:119 Resp: 687577  
Ion Ratio Lower Upper  
119 100  
91 64.0 31.5 94.5  
134 26.7 13.1 39.3



#84  
1,2,4-Trimethylbenzene  
Concen: 158.847 ug/l  
RT: 13.129 min Scan# 1855  
Delta R.T. -0.000 min  
Lab File: VY017378.D  
Acq: 14 Feb 2024 12:34

Tgt Ion:105 Resp: 782543  
Ion Ratio Lower Upper  
105 100  
120 45.7 22.1 66.3

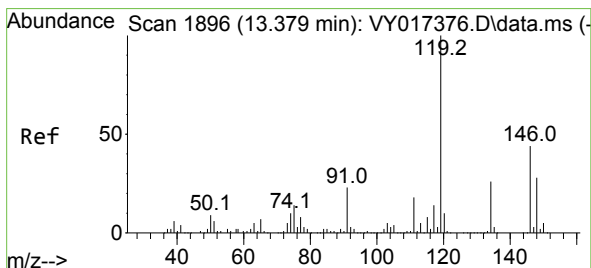
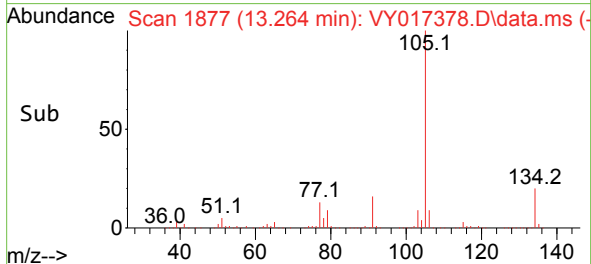
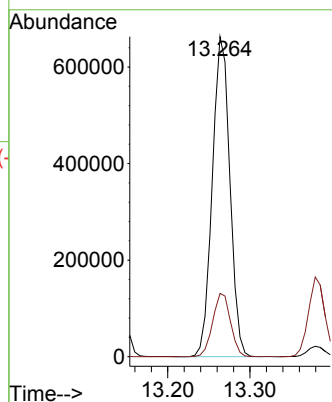
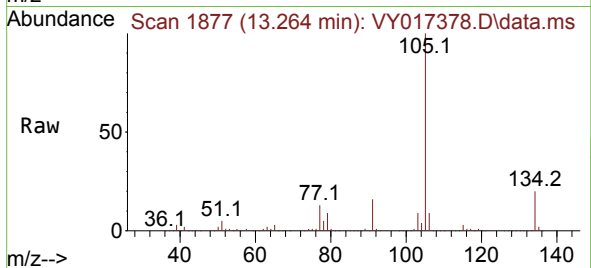




#85  
 sec-Butylbenzene  
 Concen: 147.840 ug/l  
 RT: 13.264 min Scan# 1877  
 Delta R.T. -0.000 min  
 Lab File: VY017378.D  
 Acq: 14 Feb 2024 12:34

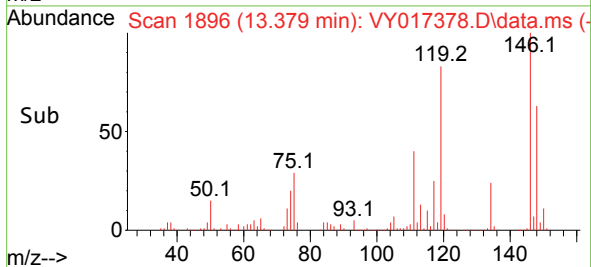
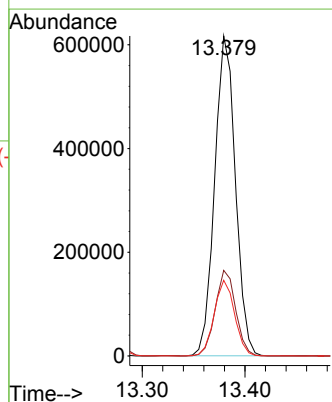
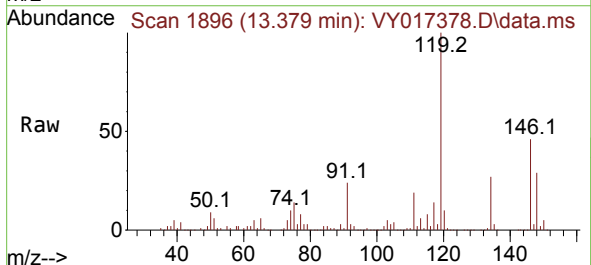
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

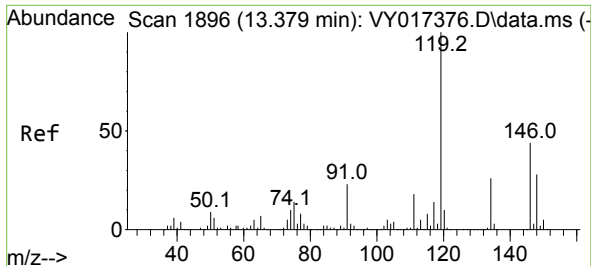
Tgt Ion:105 Resp: 983162  
 Ion Ratio Lower Upper  
 105 100  
 134 20.0 9.7 28.9



#86  
 p-Isopropyltoluene  
 Concen: 160.270 ug/l  
 RT: 13.379 min Scan# 1896  
 Delta R.T. -0.000 min  
 Lab File: VY017378.D  
 Acq: 14 Feb 2024 12:34

Tgt Ion:119 Resp: 862466  
 Ion Ratio Lower Upper  
 119 100  
 134 26.4 13.1 39.1  
 91 23.3 11.7 35.0





#87

1,3-Dichlorobenzene

Concen: 152.300 ug/l

RT: 13.379 min Scan# 1896

Delta R.T. -0.000 min

Lab File: VY017378.D

Acq: 14 Feb 2024 12:34

Instrument :

MSVOA\_Y

ClientSampleId :

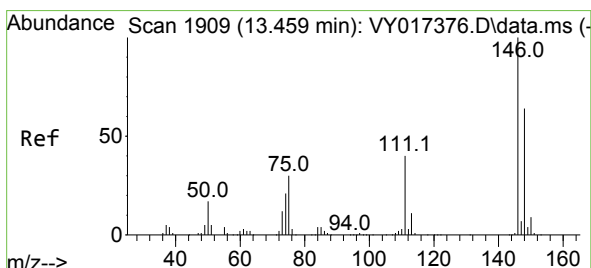
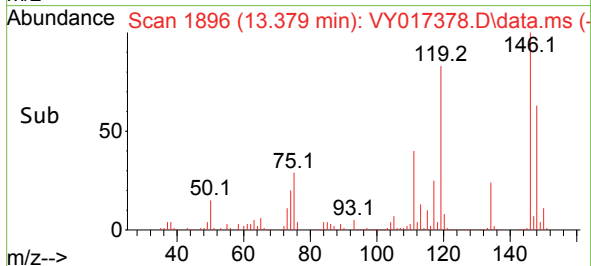
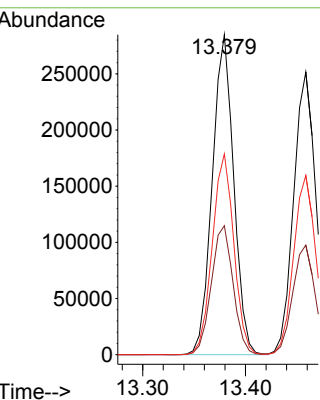
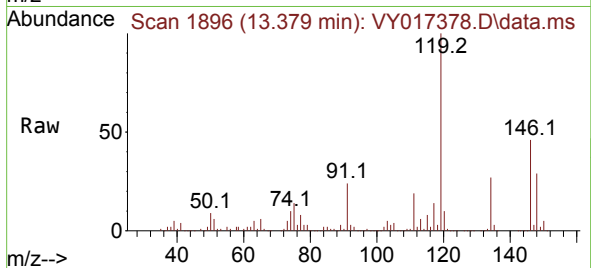
Tgt Ion:146 Resp: 412198

Ion Ratio Lower Upper

146 100

111 41.1 20.2 60.5

148 63.2 31.9 95.9



#88

1,4-Dichlorobenzene

Concen: 143.810 ug/l

RT: 13.459 min Scan# 1909

Delta R.T. -0.000 min

Lab File: VY017378.D

Acq: 14 Feb 2024 12:34

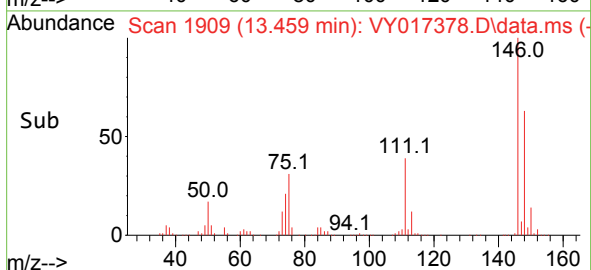
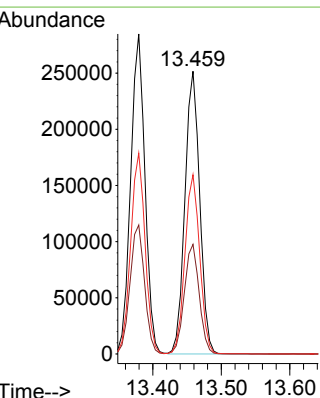
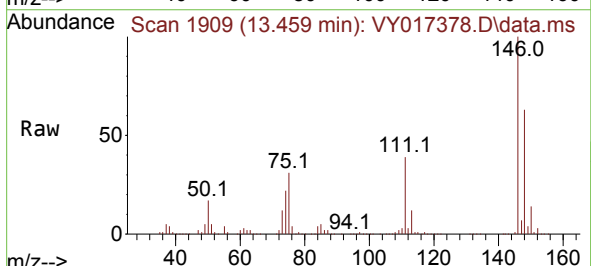
Tgt Ion:146 Resp: 378613

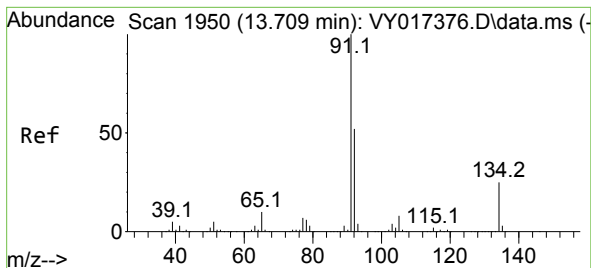
Ion Ratio Lower Upper

146 100

111 39.0 19.3 57.9

148 63.5 31.6 94.7





#89

n-Butylbenzene

Concen: 150.453 ug/l

RT: 13.709 min Scan# 1950

Delta R.T. -0.000 min

Lab File: VY017378.D

Acq: 14 Feb 2024 12:34

Instrument :

MSVOA\_Y

ClientSampleId :

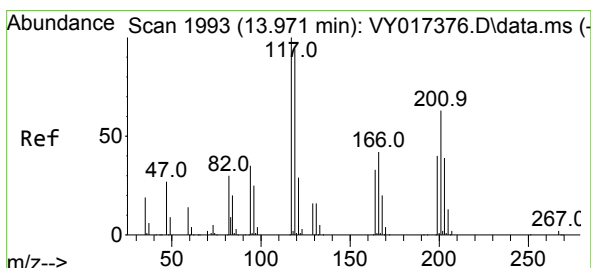
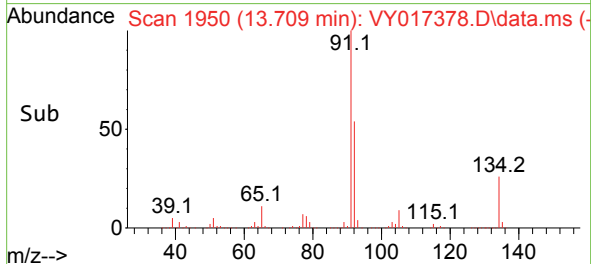
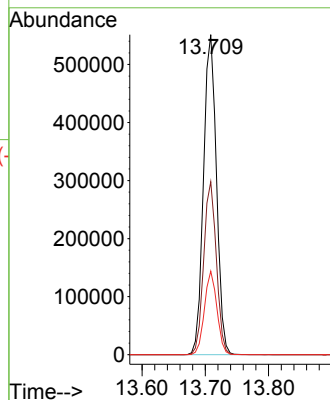
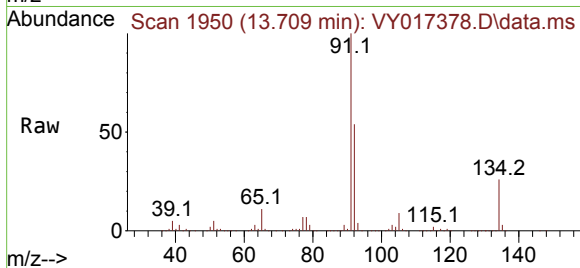
Tgt Ion: 91 Resp: 786445

Ion Ratio Lower Upper

91 100

92 53.0 26.4 79.2

134 25.2 12.3 36.8



#90

Hexachloroethane

Concen: 147.881 ug/l

RT: 13.971 min Scan# 1993

Delta R.T. -0.000 min

Lab File: VY017378.D

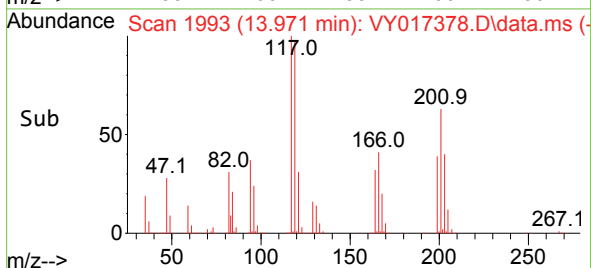
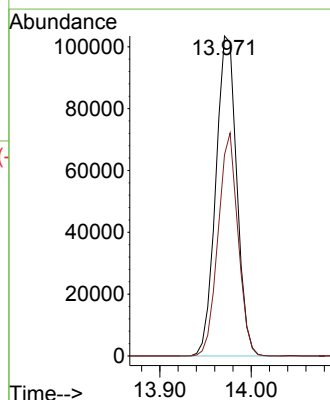
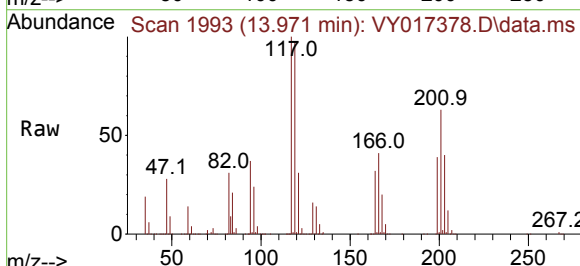
Acq: 14 Feb 2024 12:34

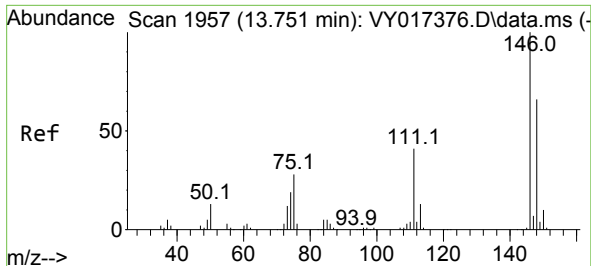
Tgt Ion: 117 Resp: 164952

Ion Ratio Lower Upper

117 100

201 66.1 33.4 100.1





#91

1,2-Dichlorobenzene

Concen: 146.614 ug/l

RT: 13.751 min Scan# 1957

Delta R.T. -0.000 min

Lab File: VY017378.D

Acq: 14 Feb 2024 12:34

Instrument :

MSVOA\_Y

ClientSampleId :

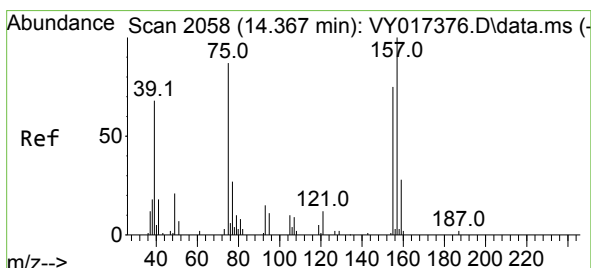
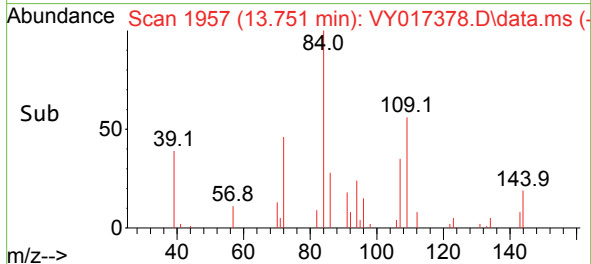
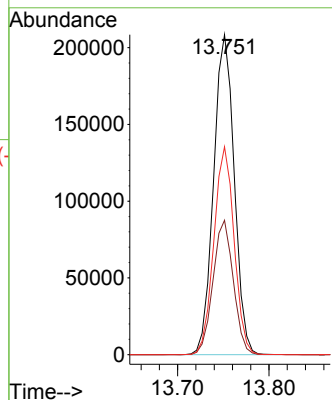
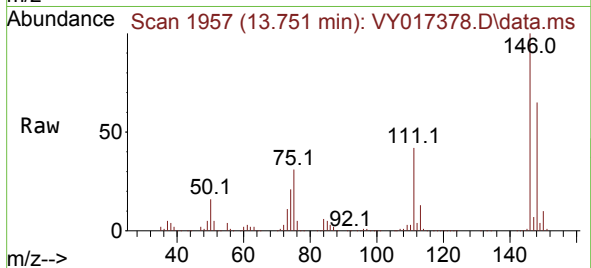
Tgt Ion:146 Resp: 327013

Ion Ratio Lower Upper

146 100

111 41.4 20.5 61.6

148 63.8 31.4 94.3



#92

1,2-Dibromo-3-Chloropropane

Concen: 138.805 ug/l

RT: 14.367 min Scan# 2058

Delta R.T. -0.000 min

Lab File: VY017378.D

Acq: 14 Feb 2024 12:34

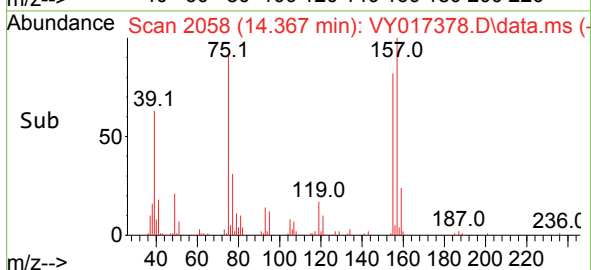
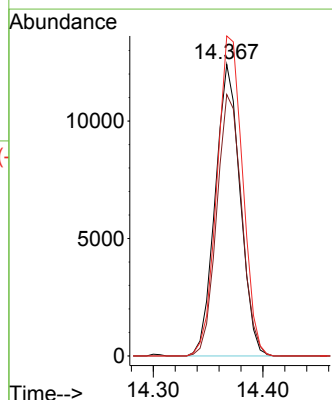
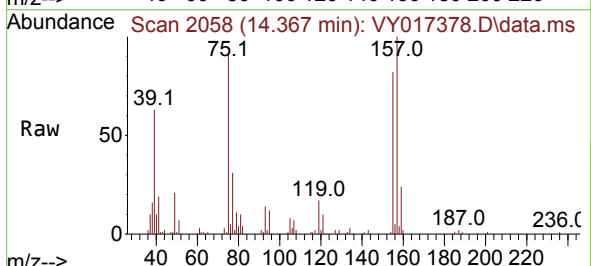
Tgt Ion: 75 Resp: 19617

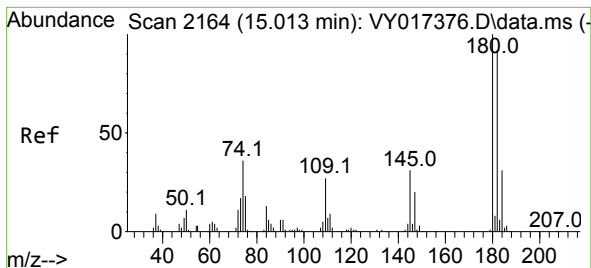
Ion Ratio Lower Upper

75 100

155 89.9 42.1 126.3

157 113.0 55.8 167.4





#93

1,2,4-Trichlorobenzene

Concen: 147.405 ug/l

RT: 15.019 min Scan# 2165

Delta R.T. 0.006 min

Lab File: VY017378.D

Acq: 14 Feb 2024 12:34

Instrument :

MSVOA\_Y

ClientSampleId :

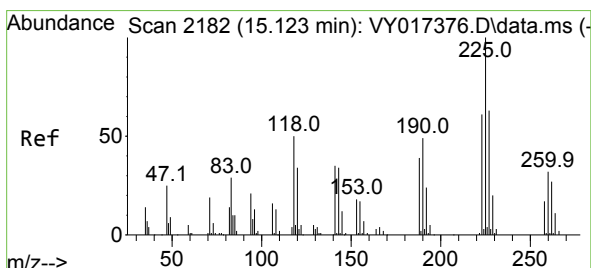
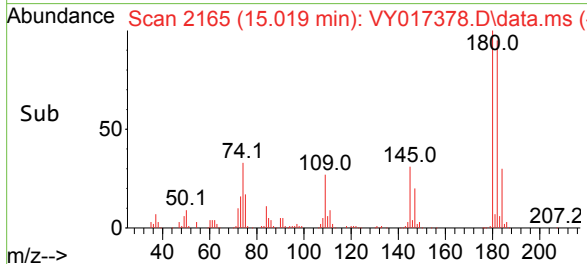
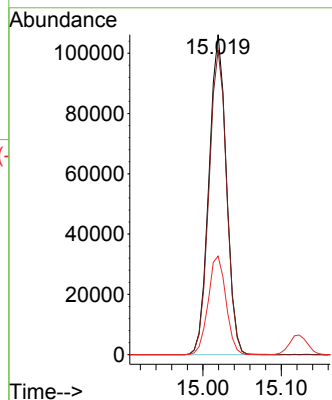
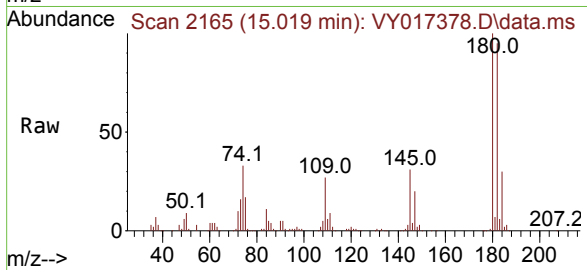
Tgt Ion:180 Resp: 164036

Ion Ratio Lower Upper

180 100

182 95.9 47.9 143.7

145 31.4 15.9 47.7



#94

Hexachlorobutadiene

Concen: 132.525 ug/l

RT: 15.123 min Scan# 2182

Delta R.T. -0.000 min

Lab File: VY017378.D

Acq: 14 Feb 2024 12:34

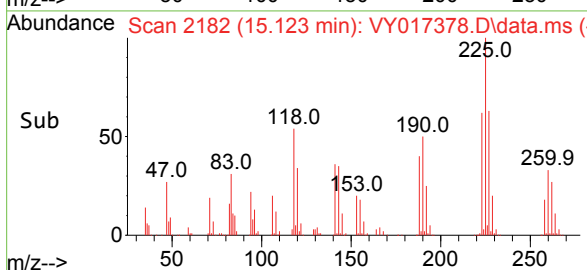
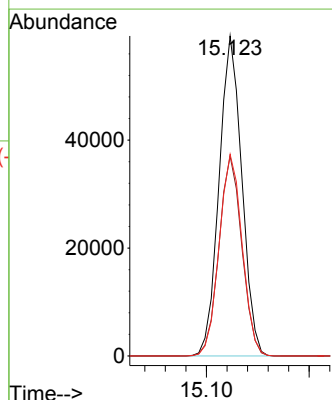
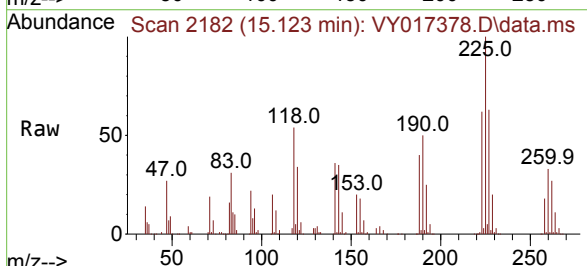
Tgt Ion:225 Resp: 91024

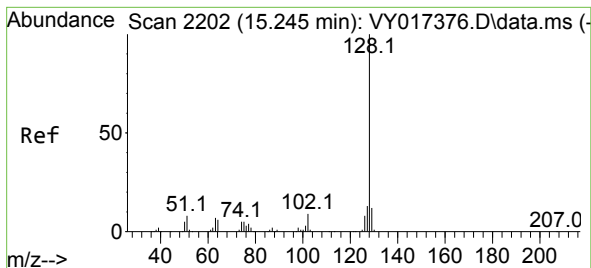
Ion Ratio Lower Upper

225 100

223 62.8 31.4 94.3

227 63.7 32.3 96.8





#95

Naphthalene

Concen: 156.853 ug/l

RT: 15.251 min Scan# 2202

Delta R.T. 0.006 min

Lab File: VY017378.D

Acq: 14 Feb 2024 12:34

Instrument :

MSVOA\_Y

ClientSampleId :

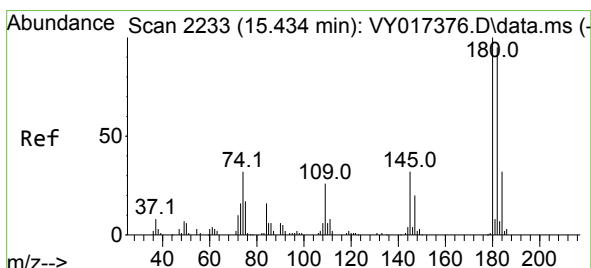
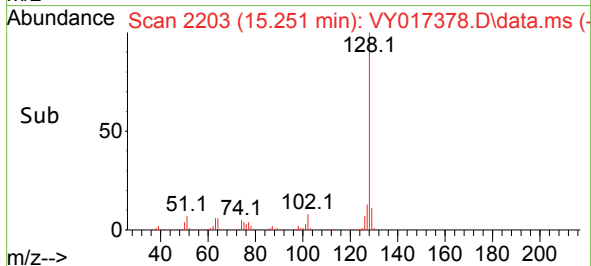
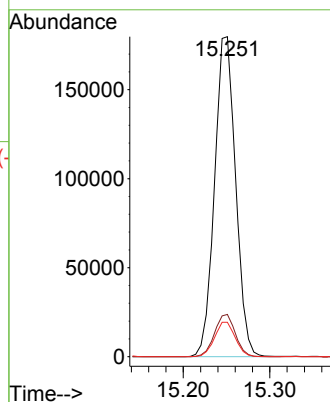
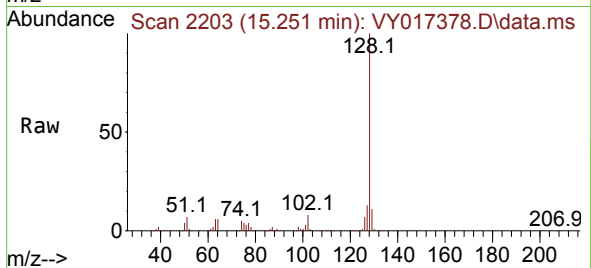
Tgt Ion:128 Resp: 303752

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.4

129 10.7 8.6 12.8



#96

1,2,3-Trichlorobenzene

Concen: 141.842 ug/l

RT: 15.434 min Scan# 2233

Delta R.T. -0.000 min

Lab File: VY017378.D

Acq: 14 Feb 2024 12:34

Tgt Ion:180 Resp: 132426

Ion Ratio Lower Upper

180 100

182 95.0 46.3 138.8

145 32.5 16.1 48.2

