

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY101923\  
 Data File : VY016052.D  
 Acq On : 19 Oct 2023 21:03  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Oct 20 05:42:28 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y101823S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 19 03:15:44 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.795  | 168  | 201072   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.697  | 114  | 327903   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.495 | 117  | 300767   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.434 | 152  | 153529   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.148  | 65    | 99104    | 43.365   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 86.740% |
| 35) Dibromofluoromethane    | 7.722  | 113   | 92858    | 43.024   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 86.040% |
| 50) Toluene-d8              | 10.185 | 98    | 345483   | 44.075   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 88.140% |
| 62) 4-Bromofluorobenzene    | 12.489 | 95    | 126289   | 45.153   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 90.300% |

|                              |       |     |        |         |        |     |
|------------------------------|-------|-----|--------|---------|--------|-----|
| Target Compounds             |       |     |        |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.906 | 85  | 79590  | 47.893  | ug/l   | 99  |
| 3) Chloromethane             | 2.113 | 50  | 105735 | 50.390  | ug/l   | 99  |
| 4) Vinyl Chloride            | 2.253 | 62  | 116536 | 49.485  | ug/l   | 96  |
| 5) Bromomethane              | 2.655 | 94  | 81419  | 47.395  | ug/l   | 97  |
| 6) Chloroethane              | 2.796 | 64  | 75539  | 49.883  | ug/l   | 93  |
| 7) Trichlorofluoromethane    | 3.125 | 101 | 208618 | 58.209  | ug/l   | 98  |
| 8) Diethyl Ether             | 3.533 | 74  | 59338  | 46.864  | ug/l   | 86  |
| 9) 1,1,2-Trichlorotrifluo... | 3.899 | 101 | 100020 | 48.516  | ug/l   | 95  |
| 10) Methyl Iodide            | 4.088 | 142 | 120816 | 44.880  | ug/l   | 98  |
| 11) Tert butyl alcohol       | 5.088 | 59  | 97925  | 277.583 | ug/l # | 94  |
| 12) 1,1-Dichloroethene       | 3.869 | 96  | 94171  | 48.819  | ug/l   | 90  |
| 13) Acrolein                 | 3.747 | 56  | 53081  | 214.108 | ug/l   | 91  |
| 14) Allyl chloride           | 4.478 | 41  | 147481 | 48.895  | ug/l   | 94  |
| 15) Acrylonitrile            | 5.185 | 53  | 205272 | 271.747 | ug/l   | 98  |
| 16) Acetone                  | 3.984 | 43  | 179880 | 212.338 | ug/l   | 94  |
| 17) Carbon Disulfide         | 4.192 | 76  | 267611 | 47.356  | ug/l   | 98  |
| 18) Methyl Acetate           | 4.497 | 43  | 154081 | 52.845  | ug/l # | 88  |
| 19) Methyl tert-butyl Ether  | 5.228 | 73  | 288446 | 46.352  | ug/l   | 100 |
| 20) Methylene Chloride       | 4.716 | 84  | 122584 | 48.709  | ug/l   | 91  |
| 21) trans-1,2-Dichloroethene | 5.222 | 96  | 108269 | 48.198  | ug/l   | 97  |
| 22) Diisopropyl ether        | 6.130 | 45  | 315935 | 48.103  | ug/l   | 98  |
| 23) Vinyl Acetate            | 6.069 | 43  | 934584 | 229.397 | ug/l # | 94  |
| 24) 1,1-Dichloroethane       | 6.021 | 63  | 189807 | 48.714  | ug/l   | 96  |
| 25) 2-Butanone               | 7.008 | 43  | 303858 | 261.866 | ug/l   | 96  |
| 26) 2,2-Dichloropropane      | 6.984 | 77  | 156046 | 44.512  | ug/l   | 96  |
| 27) cis-1,2-Dichloroethene   | 6.990 | 96  | 124916 | 48.286  | ug/l   | 91  |
| 28) Bromochloromethane       | 7.337 | 49  | 83646  | 50.196  | ug/l   | 92  |
| 29) Tetrahydrofuran          | 7.368 | 42  | 210661 | 299.932 | ug/l   | 90  |
| 30) Chloroform               | 7.508 | 83  | 202081 | 48.371  | ug/l   | 97  |
| 31) Cyclohexane              | 7.789 | 56  | 167448 | 46.813  | ug/l   | 90  |
| 32) 1,1,1-Trichloroethane    | 7.709 | 97  | 183711 | 49.147  | ug/l   | 98  |
| 36) 1,1-Dichloropropene      | 7.923 | 75  | 153706 | 47.336  | ug/l   | 98  |
| 37) Ethyl Acetate            | 7.088 | 43  | 280808 | 119.971 | ug/l # | 86  |
| 38) Carbon Tetrachloride     | 7.904 | 117 | 164789 | 47.748  | ug/l   | 98  |
| 39) Methylcyclohexane        | 9.185 | 83  | 194079 | 47.826  | ug/l   | 93  |
| 40) Benzene                  | 8.167 | 78  | 438307 | 47.893  | ug/l   | 99  |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY101923\  
 Data File : VY016052.D  
 Acq On : 19 Oct 2023 21:03  
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 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Oct 20 05:42:28 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y101823S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 19 03:15:44 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.319  | 41   | 51113    | 42.096   | ug/l # | 88       |
| 42) 1,2-Dichloroethane        | 8.240  | 62   | 138009   | 46.815   | ug/l   | 93       |
| 43) Isopropyl Acetate         | 8.282  | 43   | 205776   | 50.284   | ug/l   | 96       |
| 44) Trichloroethene           | 8.947  | 130  | 135760   | 52.906   | ug/l   | 94       |
| 45) 1,2-Dichloropropane       | 9.221  | 63   | 112915   | 49.300   | ug/l   | 100      |
| 46) Dibromomethane            | 9.313  | 93   | 80130    | 52.699   | ug/l   | 93       |
| 47) Bromodichloromethane      | 9.502  | 83   | 164814   | 49.455   | ug/l   | 97       |
| 48) Methyl methacrylate       | 9.301  | 41   | 96995    | 52.071   | ug/l # | 78       |
| 49) 1,4-Dioxane               | 9.368  | 88   | 43505    | 1796.846 | ug/l # | 55       |
| 51) 4-Methyl-2-Pentanone      | 10.081 | 43   | 904934   | 384.541  | ug/l   | 91       |
| 52) Toluene                   | 10.252 | 92   | 289295   | 48.736   | ug/l   | 95       |
| 53) t-1,3-Dichloropropene     | 10.471 | 75   | 180967   | 50.127   | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 9.935  | 75   | 190773   | 48.478   | ug/l   | 90       |
| 55) 1,1,2-Trichloroethane     | 10.654 | 97   | 111589   | 53.419   | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.514 | 69   | 178883   | 58.595   | ug/l   | 87       |
| 57) 1,3-Dichloropropane       | 10.794 | 76   | 186158   | 52.531   | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 9.788  | 63   | 422392   | 288.055  | ug/l   | 94       |
| 59) 2-Hexanone                | 10.843 | 43   | 753465   | 420.829  | ug/l   | 90       |
| 60) Dibromochloromethane      | 10.989 | 129  | 131150   | 51.913   | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.093 | 107  | 118705   | 55.837   | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.727 | 164  | 129787   | 55.650   | ug/l   | 98       |
| 65) Chlorobenzene             | 11.520 | 112  | 316494   | 48.589   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.599 | 131  | 120830   | 49.215   | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.599 | 91   | 563145   | 48.858   | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.709 | 106  | 436579   | 97.134   | ug/l   | 94       |
| 69) o-Xylene                  | 12.038 | 106  | 211886   | 49.554   | ug/l   | 96       |
| 70) Styrene                   | 12.050 | 104  | 363026   | 49.814   | ug/l   | 96       |
| 71) Bromoform                 | 12.215 | 173  | 99270    | 57.463   | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.337 | 105  | 551711   | 48.040   | ug/l   | 99       |
| 74) N-amyl acetate            | 12.148 | 43   | 218963   | 60.363   | ug/l # | 88       |
| 75) 1,1,2,2-Tetrachloroethane | 12.587 | 83   | 159557   | 55.471   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.635 | 75   | 228107   | 104.934  | ug/l # | 100      |
| 77) Bromobenzene              | 12.617 | 156  | 136690   | 49.036   | ug/l   | 95       |
| 78) n-propylbenzene           | 12.678 | 91   | 660305   | 47.735   | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.763 | 91   | 373192   | 48.065   | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 12.818 | 105  | 457140   | 48.056   | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.385 | 75   | 59915    | 60.166   | ug/l   | 95       |
| 82) 4-Chlorotoluene           | 12.861 | 91   | 389325   | 48.045   | ug/l   | 100      |
| 83) tert-Butylbenzene         | 13.080 | 119  | 400823   | 48.053   | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.129 | 105  | 457450   | 48.426   | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.257 | 105  | 595259   | 47.782   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.373 | 119  | 494615   | 47.510   | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.373 | 146  | 261427   | 48.202   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.452 | 146  | 263432   | 48.241   | ug/l   | 98       |
| 89) n-Butylbenzene            | 13.702 | 91   | 463443   | 47.818   | ug/l   | 97       |
| 90) Hexachloroethane          | 13.964 | 117  | 93613    | 47.170   | ug/l   | 92       |
| 91) 1,2-Dichlorobenzene       | 13.745 | 146  | 246696   | 49.541   | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.361 | 75   | 43859    | 80.102   | ug/l   | 87       |
| 93) 1,2,4-Trichlorobenzene    | 15.013 | 180  | 154049   | 48.561   | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.117 | 225  | 76604    | 44.459   | ug/l   | 98       |
| 95) Naphthalene               | 15.245 | 128  | 516099   | 66.285   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.428 | 180  | 144551   | 49.887   | ug/l   | 98       |

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Operator : SY/MD  
Sample : VSTDCCC050  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 21 Sample Multiplier: 1

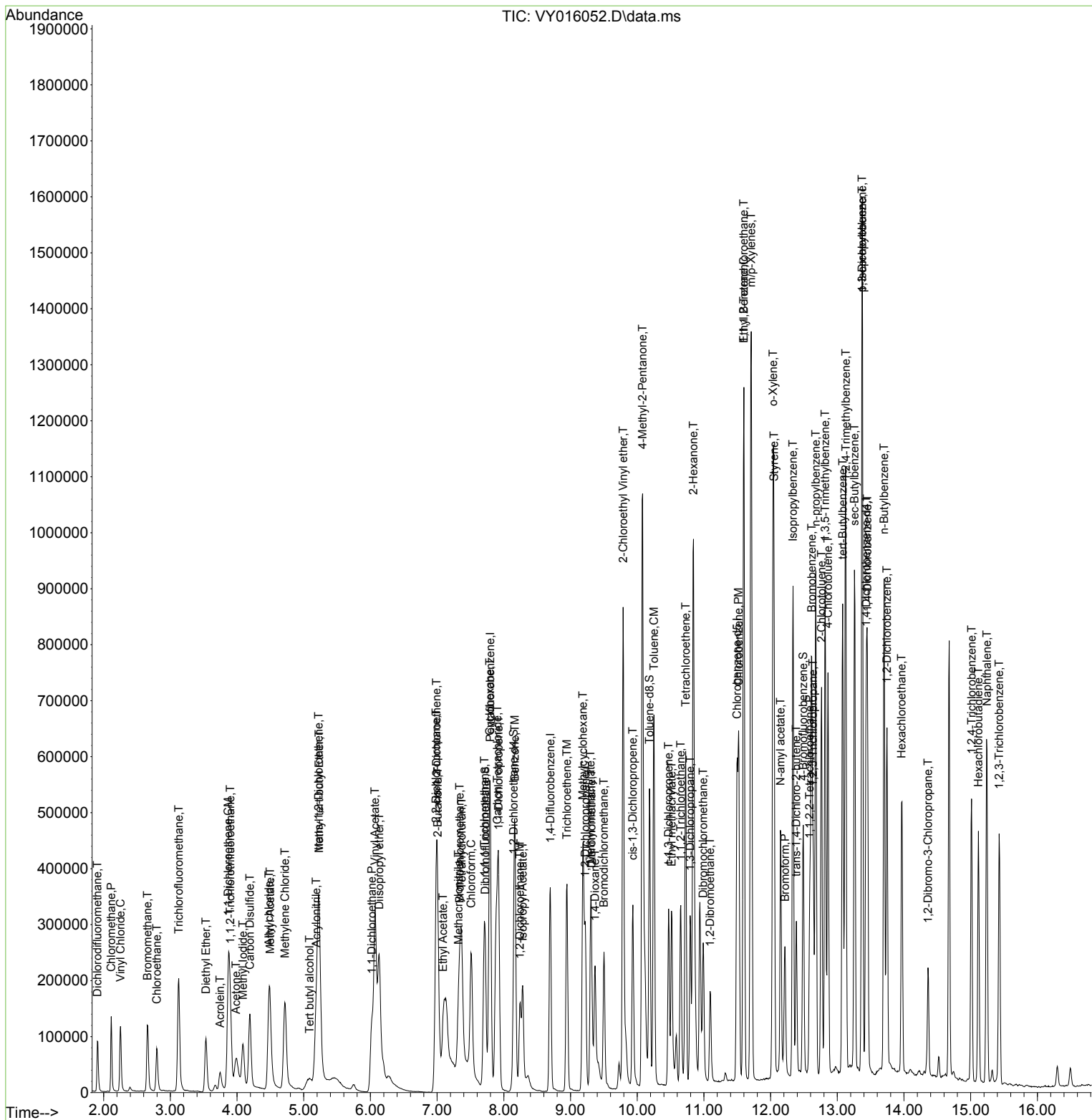
Instrument :  
MSVOA\_Y  
ClientSampleId :

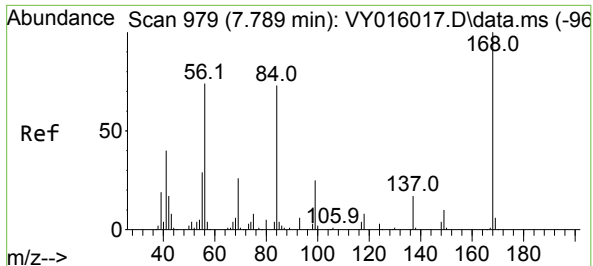
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y101823S.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 19 03:15:44 2023  
Response via : Initial Calibration

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

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quant Time: Oct 20 05:42:28 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y101823S.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 19 03:15:44 2023  
Response via : Initial Calibration

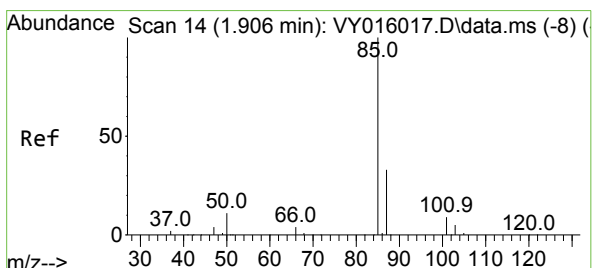
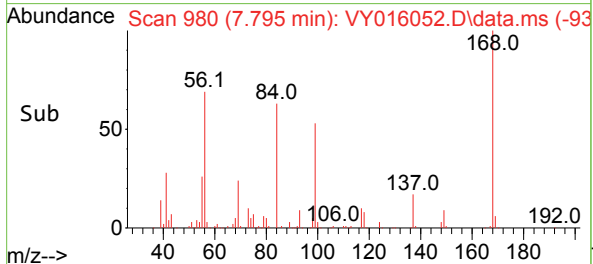
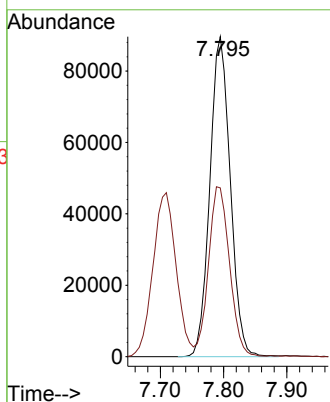
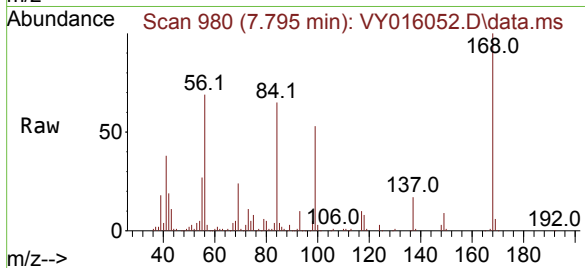




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY016052.D  
Acq: 19 Oct 2023 21:03

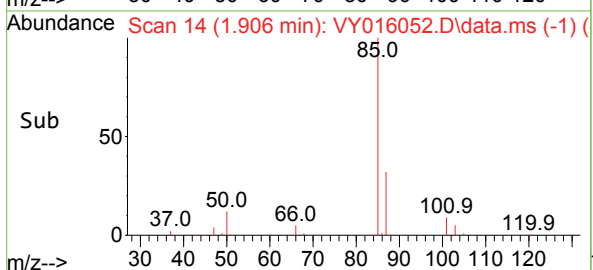
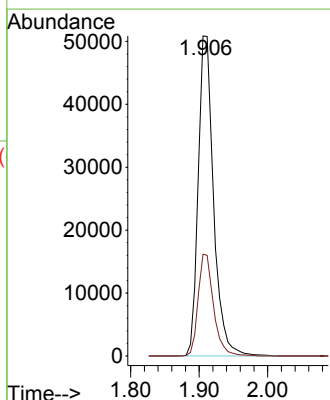
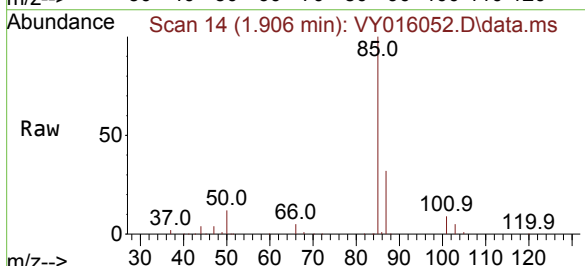
Instrument :  
MSVOA\_Y  
ClientSampleId :

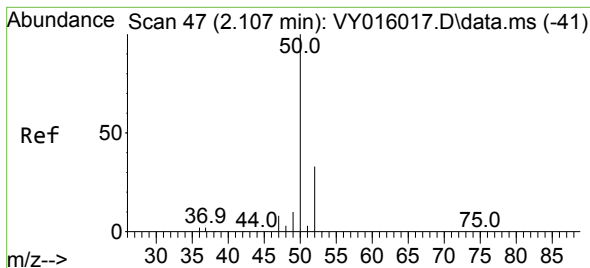
Tgt Ion:168 Resp: 201072  
Ion Ratio Lower Upper  
168 100  
99 52.6 43.4 65.0



#2  
Dichlorodifluoromethane  
Concen: 47.893 ug/l  
RT: 1.906 min Scan# 14  
Delta R.T. -0.000 min  
Lab File: VY016052.D  
Acq: 19 Oct 2023 21:03

Tgt Ion: 85 Resp: 79590  
Ion Ratio Lower Upper  
85 100  
87 31.8 15.6 46.8





#3

Chloromethane

Concen: 50.390 ug/l

RT: 2.113 min Scan# 41

Delta R.T. 0.006 min

Lab File: VY016052.D

Acq: 19 Oct 2023 21:03

Instrument :

MSVOA\_Y

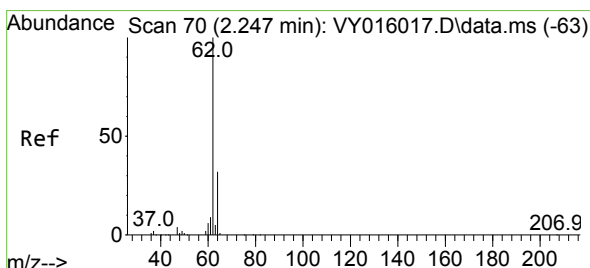
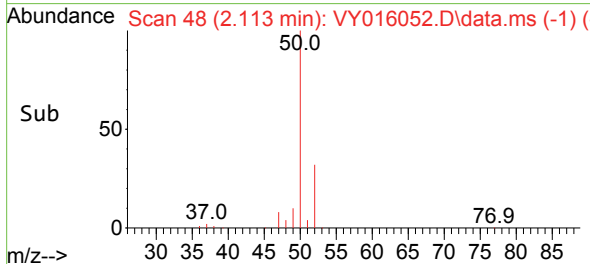
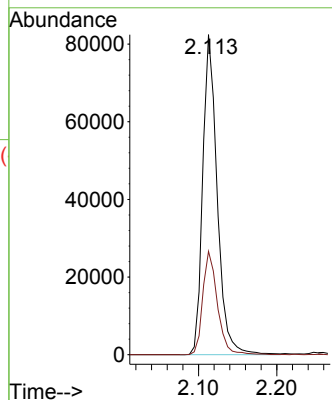
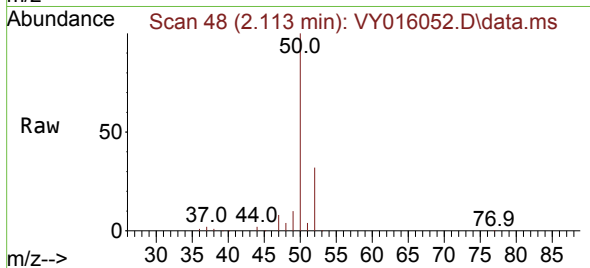
ClientSampleId :

Tgt Ion: 50 Resp: 105735

Ion Ratio Lower Upper

50 100

52 32.3 25.4 38.2



#4

Vinyl Chloride

Concen: 49.485 ug/l

RT: 2.253 min Scan# 71

Delta R.T. 0.006 min

Lab File: VY016052.D

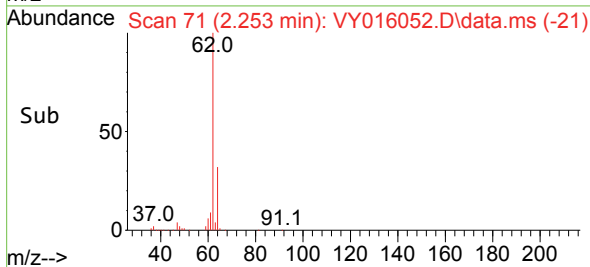
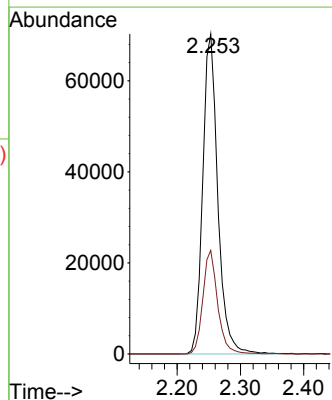
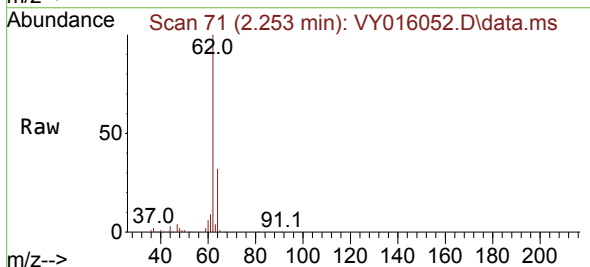
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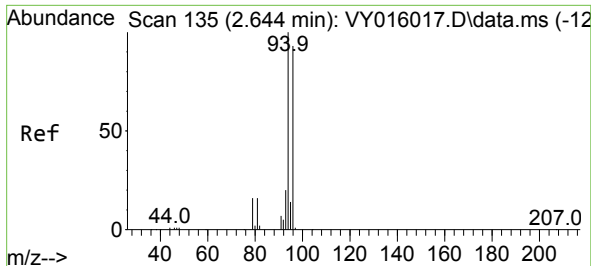
Tgt Ion: 62 Resp: 116536

Ion Ratio Lower Upper

62 100

64 32.3 24.3 36.5





#5

Bromomethane

Concen: 47.395 ug/l

RT: 2.655 min Scan# 11

Delta R.T. 0.011 min

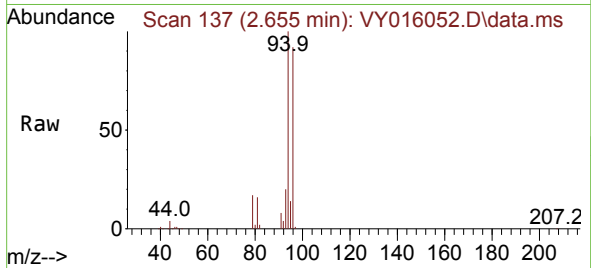
Lab File: VY016052.D

Acq: 19 Oct 2023 21:03

Instrument :

MSVOA\_Y

ClientSampleId :

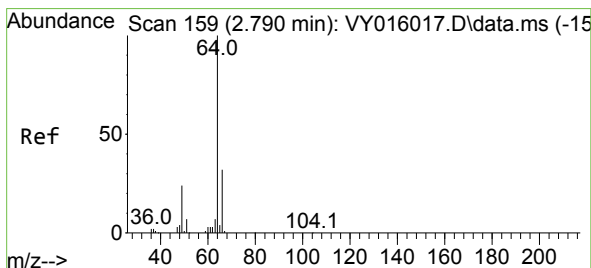
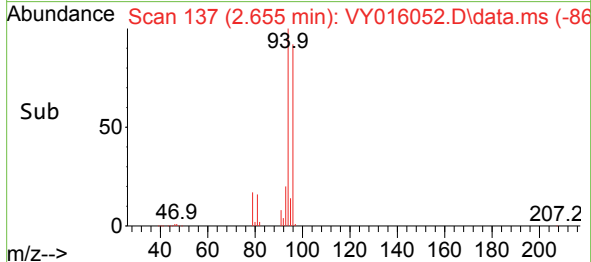
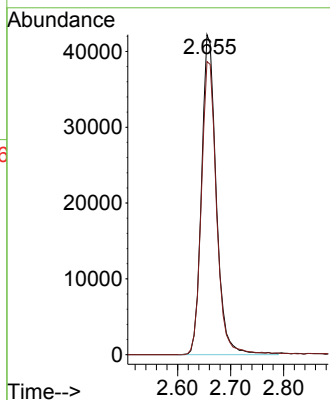


Tgt Ion: 94 Resp: 81419

Ion Ratio Lower Upper

94 100

96 91.6 75.8 113.6



#6

Chloroethane

Concen: 49.883 ug/l

RT: 2.796 min Scan# 160

Delta R.T. 0.006 min

Lab File: VY016052.D

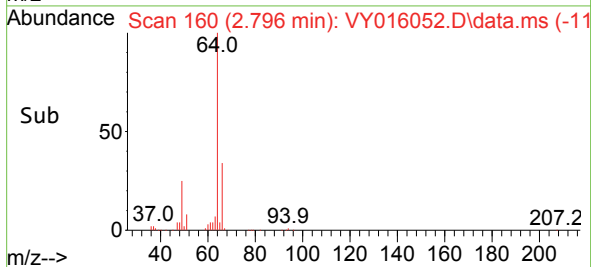
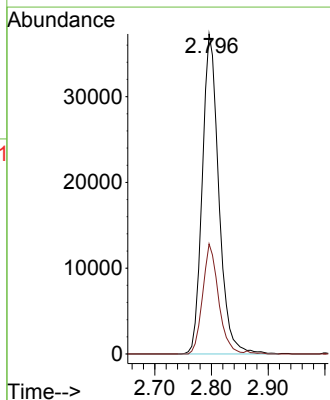
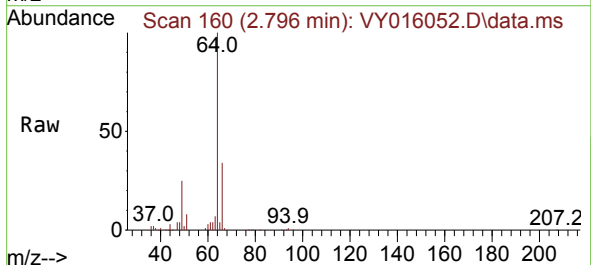
Acq: 19 Oct 2023 21:03

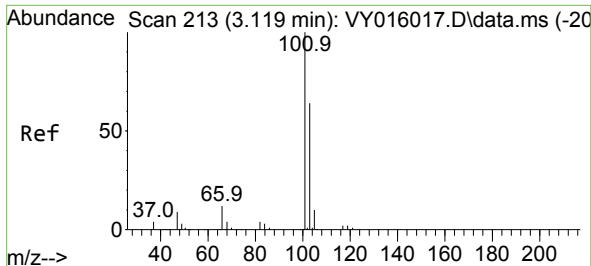
Tgt Ion: 64 Resp: 75539

Ion Ratio Lower Upper

64 100

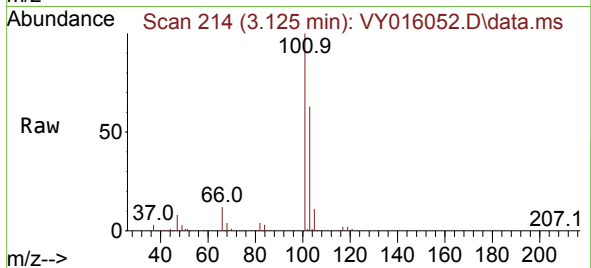
66 34.4 24.4 36.6



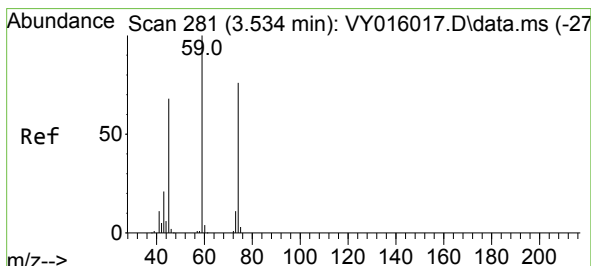
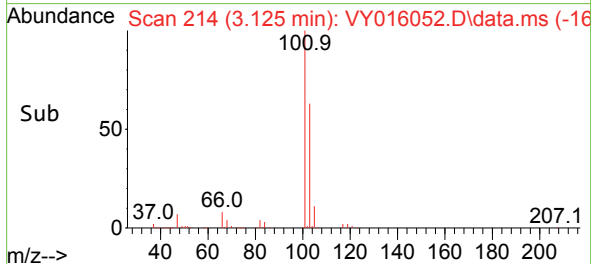
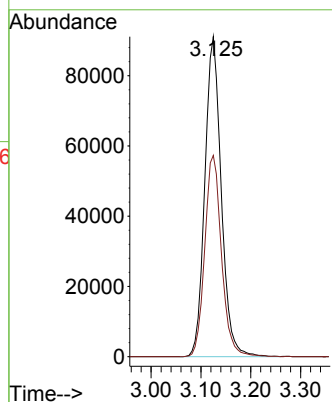


#7  
Trichlorofluoromethane  
Concen: 58.209 ug/l  
RT: 3.125 min Scan# 213  
Delta R.T. 0.006 min  
Lab File: VY016052.D  
Acq: 19 Oct 2023 21:03

Instrument :  
MSVOA\_Y  
ClientSampleId :

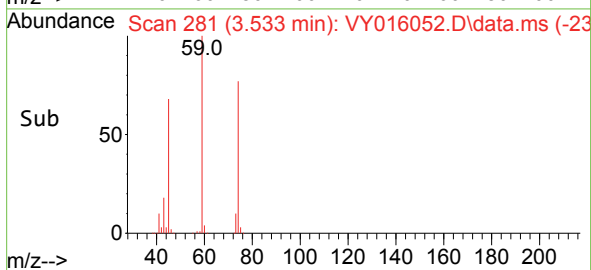
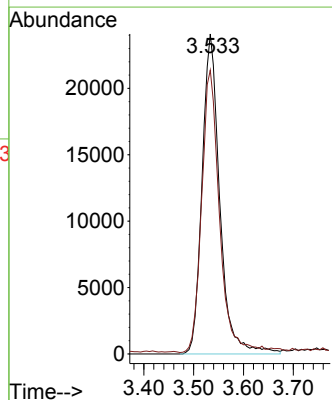
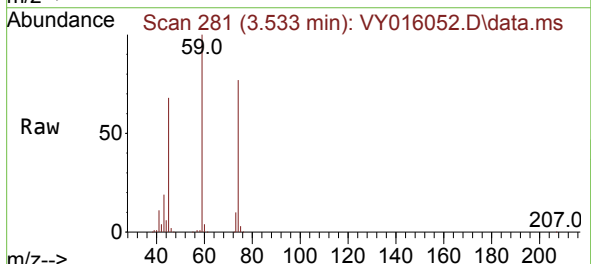


Tgt Ion:101 Resp: 208618  
Ion Ratio Lower Upper  
101 100  
103 62.9 51.4 77.0

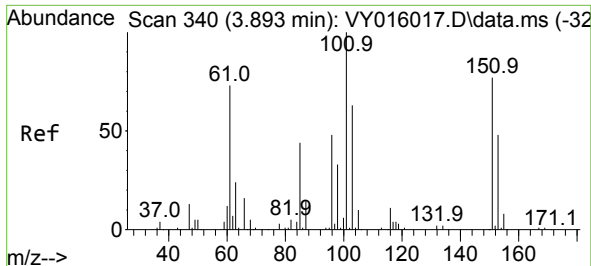


#8  
Diethyl Ether  
Concen: 46.864 ug/l  
RT: 3.533 min Scan# 281  
Delta R.T. -0.000 min  
Lab File: VY016052.D  
Acq: 19 Oct 2023 21:03

Tgt Ion: 74 Resp: 59338  
Ion Ratio Lower Upper  
74 100  
45 88.9 51.5 154.5



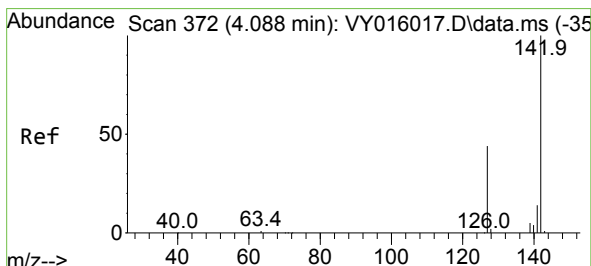
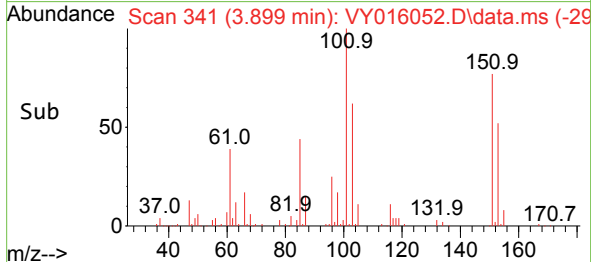
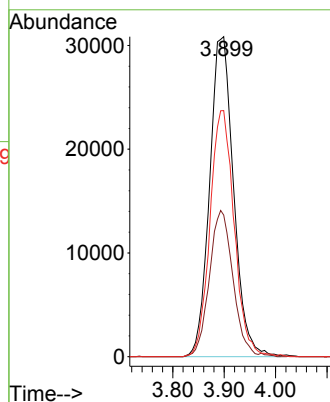
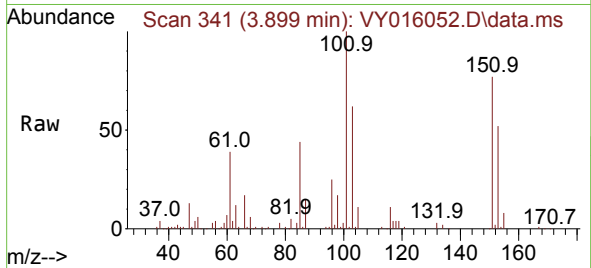




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 48.516 ug/l  
RT: 3.899 min Scan# 341  
Delta R.T. 0.006 min  
Lab File: VY016052.D  
Acq: 19 Oct 2023 21:03

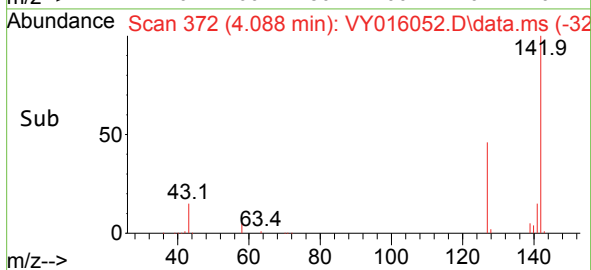
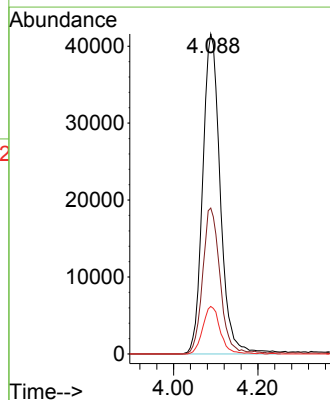
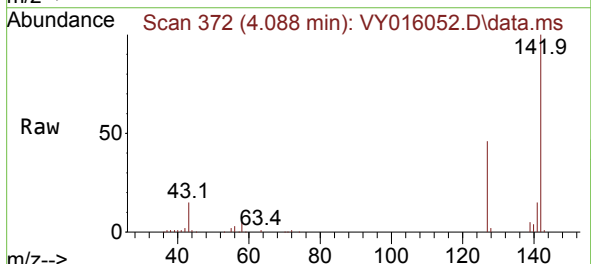
Instrument :  
MSVOA\_Y  
ClientSampleId :

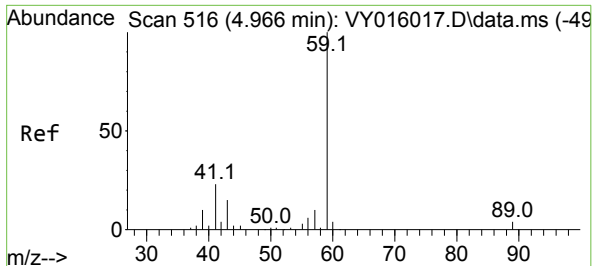
Tgt Ion:101 Resp: 100020  
Ion Ratio Lower Upper  
101 100  
85 45.1 36.6 55.0  
151 77.6 67.0 100.6



#10  
Methyl Iodide  
Concen: 44.880 ug/l  
RT: 4.088 min Scan# 372  
Delta R.T. -0.000 min  
Lab File: VY016052.D  
Acq: 19 Oct 2023 21:03

Tgt Ion:142 Resp: 120816  
Ion Ratio Lower Upper  
142 100  
127 45.0 37.6 56.4  
141 14.8 11.8 17.8

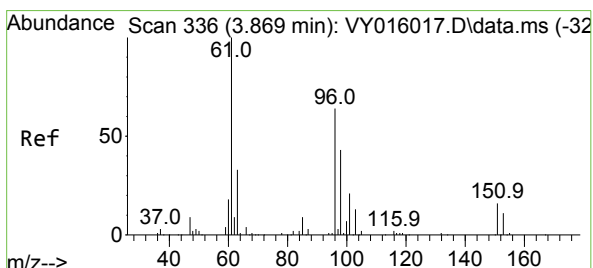
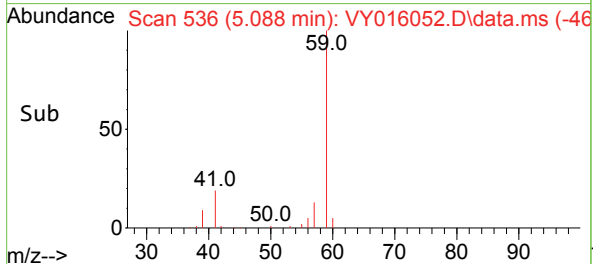
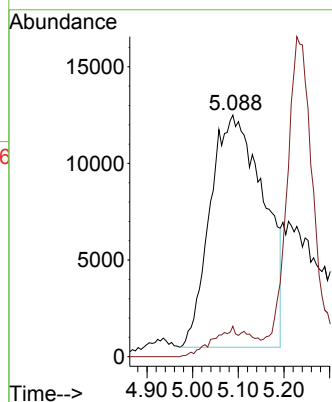
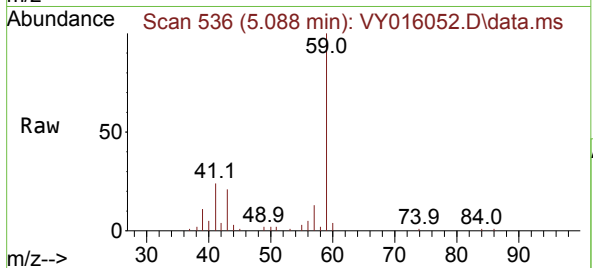




#11  
Tert butyl alcohol  
Concen: 277.583 ug/l  
RT: 5.088 min Scan# 516  
Delta R.T. 0.122 min  
Lab File: VY016052.D  
Acq: 19 Oct 2023 21:03

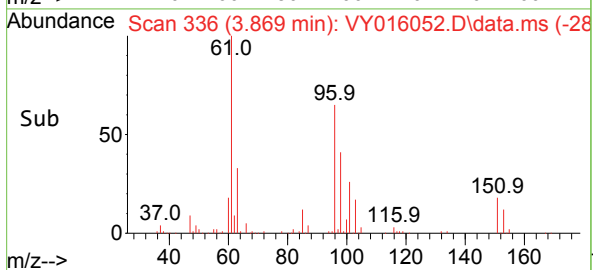
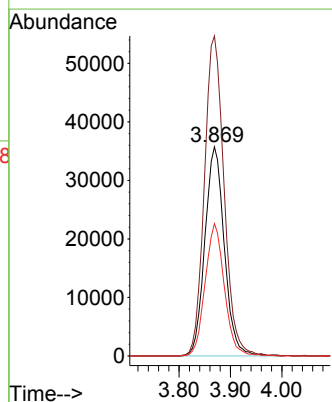
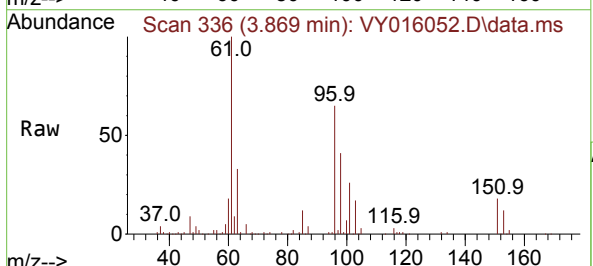
Instrument :  
MSVOA\_Y  
ClientSampleId :

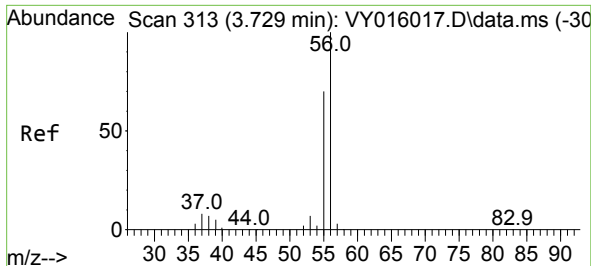
Tgt Ion: 59 Resp: 97925  
Ion Ratio Lower Upper  
59 100  
57 5.8 3.0 4.4#



#12  
1,1-Dichloroethene  
Concen: 48.819 ug/l  
RT: 3.869 min Scan# 336  
Delta R.T. -0.000 min  
Lab File: VY016052.D  
Acq: 19 Oct 2023 21:03

Tgt Ion: 96 Resp: 94171  
Ion Ratio Lower Upper  
96 100  
61 153.0 136.4 204.6  
98 63.3 49.4 74.2

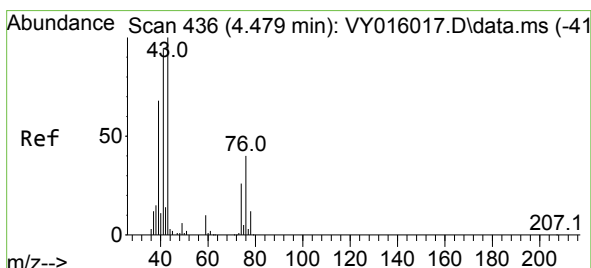
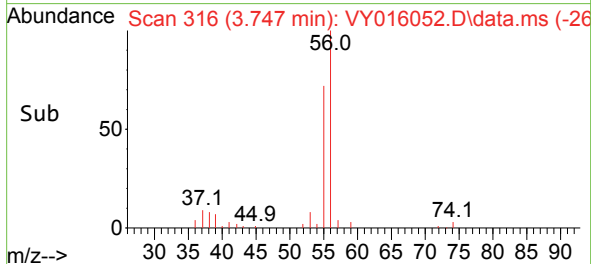
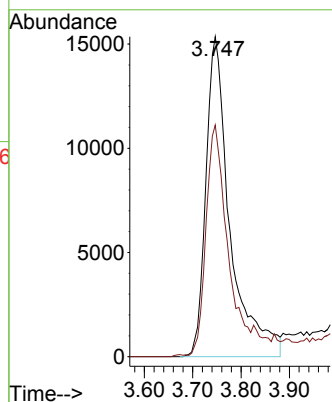
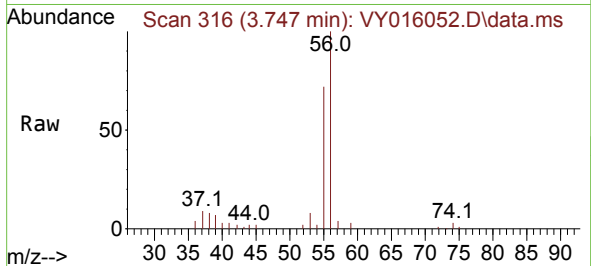




#13  
Acrolein  
Concen: 214.108 ug/l  
RT: 3.747 min Scan# 313  
Delta R.T. 0.018 min  
Lab File: VY016052.D  
Acq: 19 Oct 2023 21:03

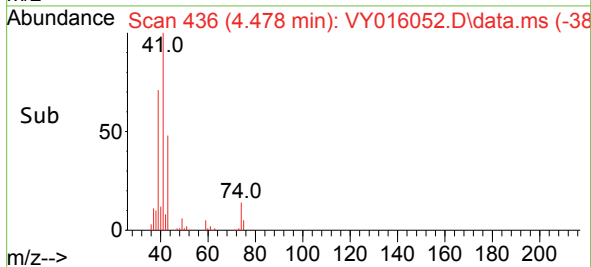
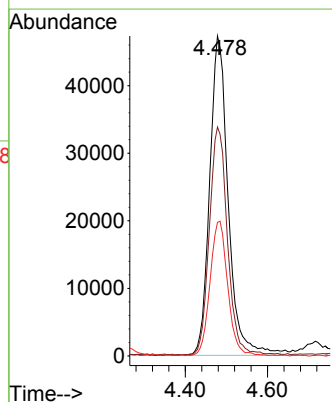
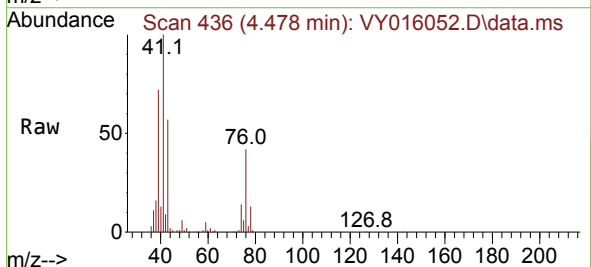
Instrument :  
MSVOA\_Y  
ClientSampleId :

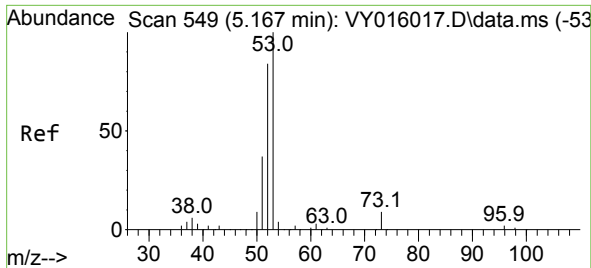
Tgt Ion: 56 Resp: 53081  
Ion Ratio Lower Upper  
56 100  
55 63.7 57.0 85.4



#14  
Allyl chloride  
Concen: 48.895 ug/l  
RT: 4.478 min Scan# 436  
Delta R.T. -0.000 min  
Lab File: VY016052.D  
Acq: 19 Oct 2023 21:03

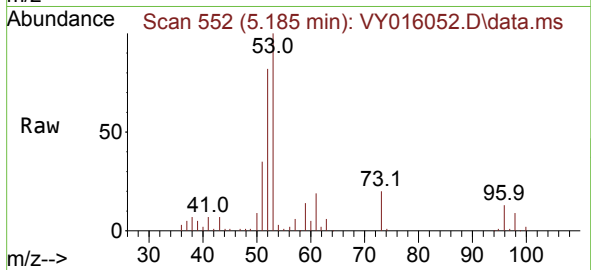
Tgt Ion: 41 Resp: 147481  
Ion Ratio Lower Upper  
41 100  
39 69.3 58.0 87.0  
76 40.0 27.4 41.2



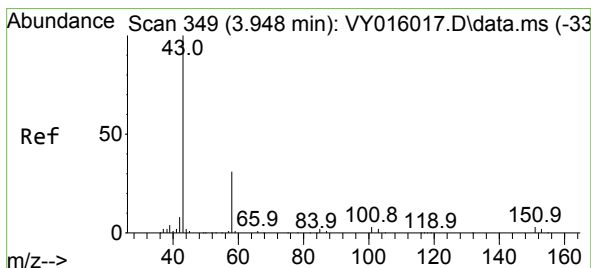
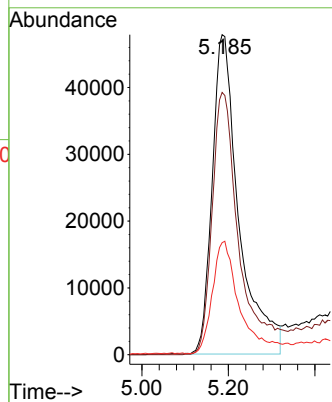
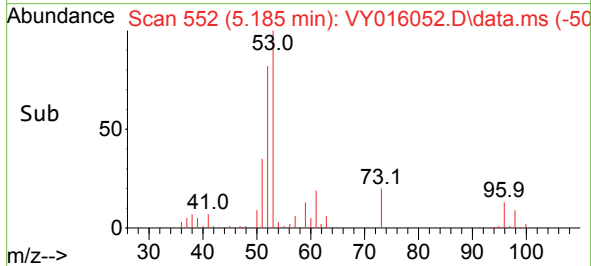


#15  
Acrylonitrile  
Concen: 271.747 ug/l  
RT: 5.185 min Scan# 51  
Delta R.T. 0.018 min  
Lab File: VY016052.D  
Acq: 19 Oct 2023 21:03

Instrument :  
MSVOA\_Y  
ClientSampleId :

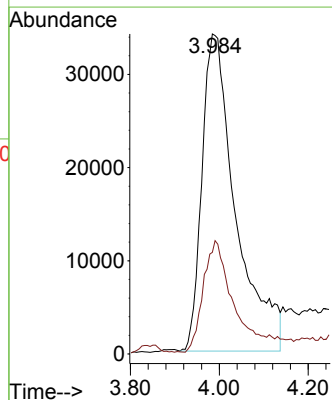
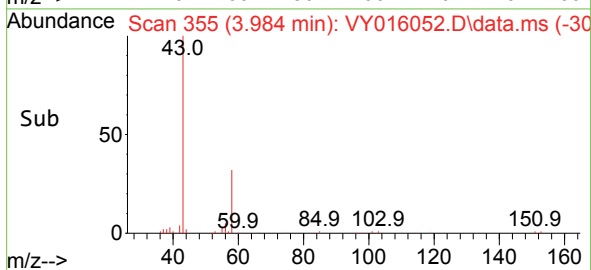
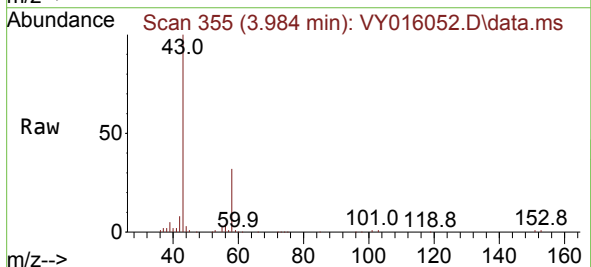


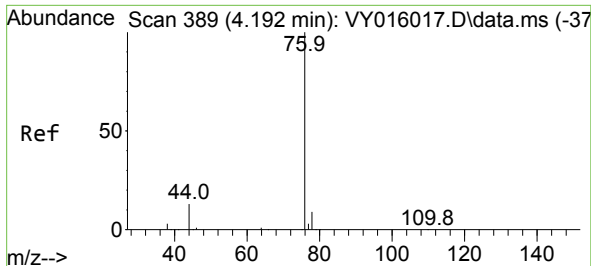
| Tgt Ion:  | 53   | Resp: | 205272 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 52        | 84.4 | 66.9  | 100.3  |
| 51        | 34.5 | 29.8  | 44.6   |



#16  
Acetone  
Concen: 212.338 ug/l  
RT: 3.984 min Scan# 355  
Delta R.T. 0.036 min  
Lab File: VY016052.D  
Acq: 19 Oct 2023 21:03

| Tgt Ion:  | 43   | Resp: | 179880 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 58        | 31.4 | 22.7  | 34.1   |

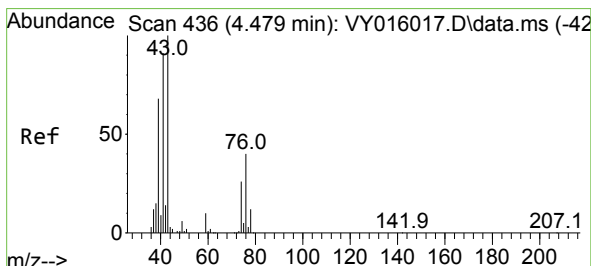
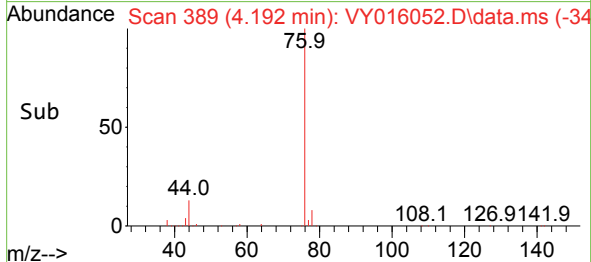
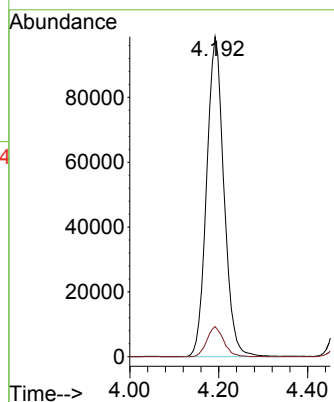
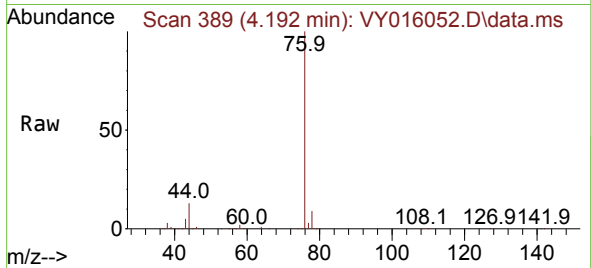




#17  
Carbon Disulfide  
Concen: 47.356 ug/l  
RT: 4.192 min Scan# 389  
Delta R.T. -0.000 min  
Lab File: VY016052.D  
Acq: 19 Oct 2023 21:03

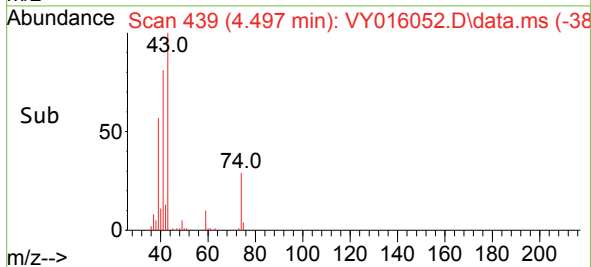
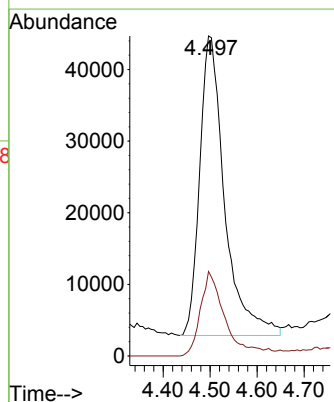
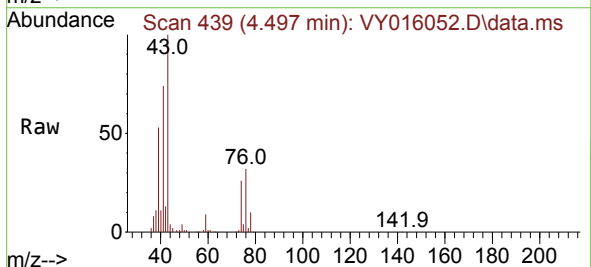
Instrument :  
MSVOA\_Y  
ClientSampleId :

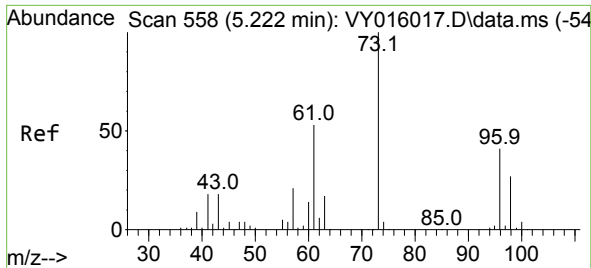
Tgt Ion: 76 Resp: 267611  
Ion Ratio Lower Upper  
76 100  
78 9.4 7.0 10.4



#18  
Methyl Acetate  
Concen: 52.845 ug/l  
RT: 4.497 min Scan# 439  
Delta R.T. 0.018 min  
Lab File: VY016052.D  
Acq: 19 Oct 2023 21:03

Tgt Ion: 43 Resp: 154081  
Ion Ratio Lower Upper  
43 100  
74 27.3 17.4 26.0#

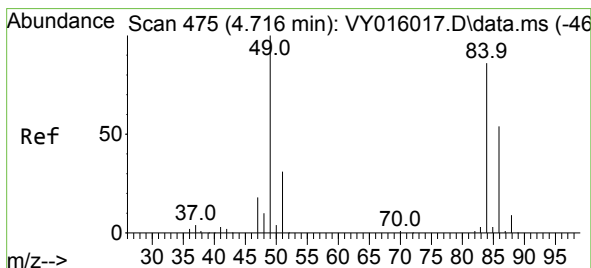
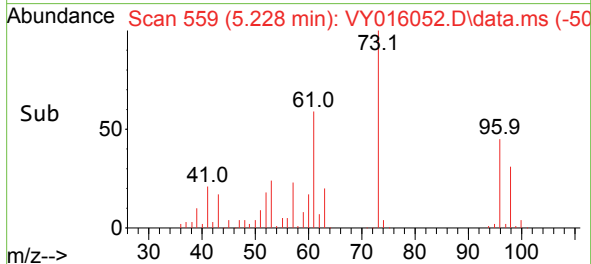
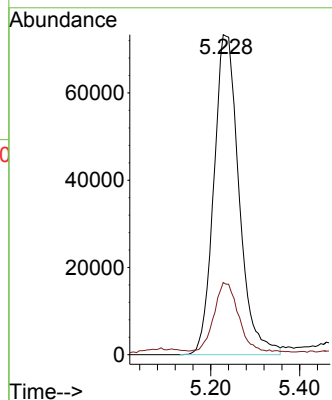
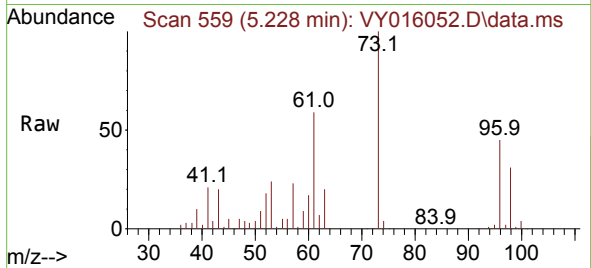




#19  
Methyl tert-butyl Ether  
Concen: 46.352 ug/l  
RT: 5.228 min Scan# 511  
Delta R.T. 0.006 min  
Lab File: VY016052.D  
Acq: 19 Oct 2023 21:03

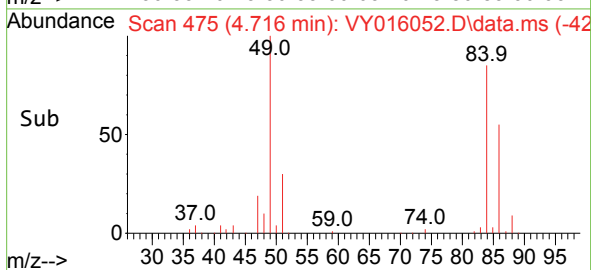
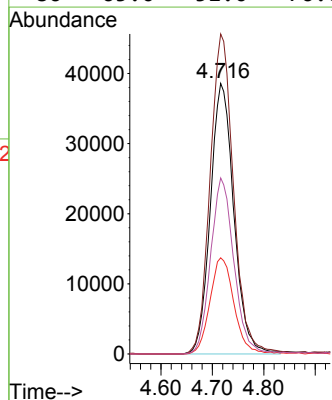
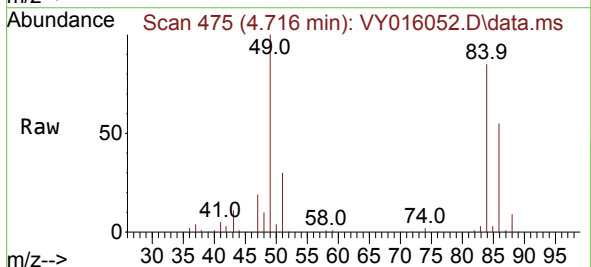
Instrument :  
MSVOA\_Y  
ClientSampleId :

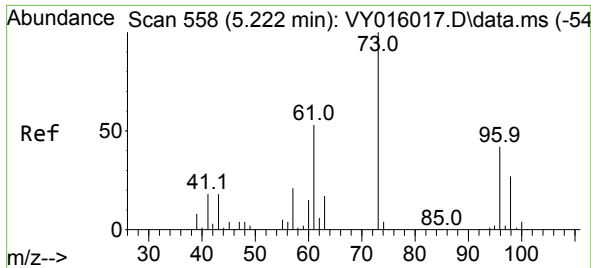
Tgt Ion: 73 Resp: 288446  
Ion Ratio Lower Upper  
73 100  
57 21.5 17.3 25.9



#20  
Methylene Chloride  
Concen: 48.709 ug/l  
RT: 4.716 min Scan# 475  
Delta R.T. -0.000 min  
Lab File: VY016052.D  
Acq: 19 Oct 2023 21:03

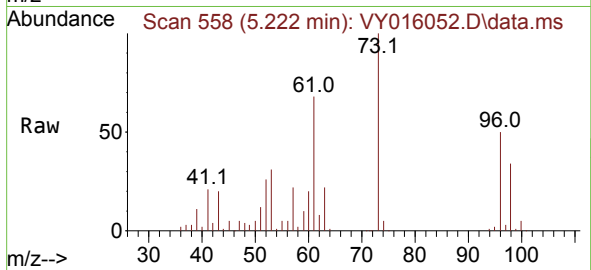
Tgt Ion: 84 Resp: 122584  
Ion Ratio Lower Upper  
84 100  
49 118.2 106.9 160.3  
51 35.5 33.2 49.8  
86 65.0 51.0 76.6



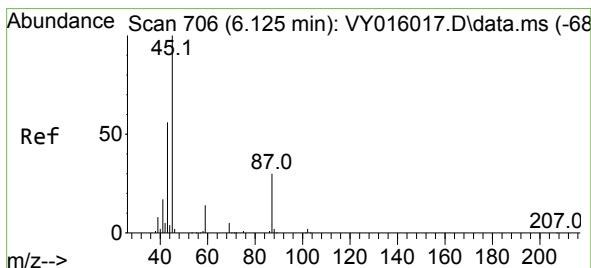
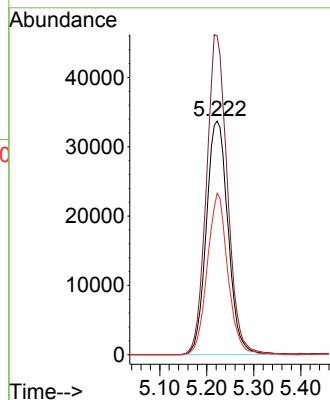
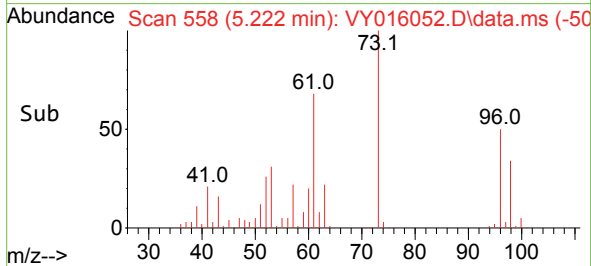


#21  
trans-1,2-Dichloroethene  
Concen: 48.198 ug/l  
RT: 5.222 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: VY016052.D  
Acq: 19 Oct 2023 21:03

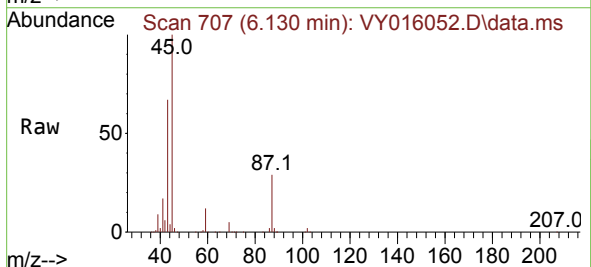
Instrument :  
MSVOA\_Y  
ClientSampleId :



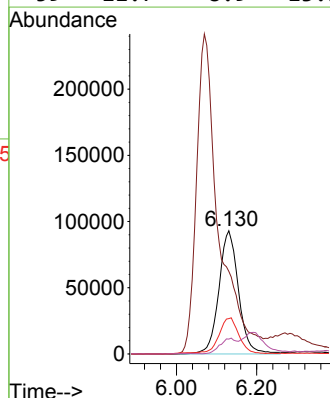
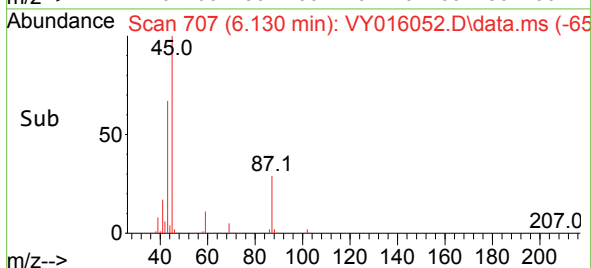
Tgt Ion: 96 Resp: 108269  
Ion Ratio Lower Upper  
96 100  
61 136.4 110.2 165.4  
98 69.1 51.8 77.6

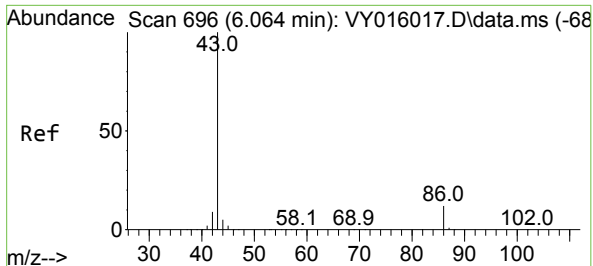


#22  
Diisopropyl ether  
Concen: 48.103 ug/l  
RT: 6.130 min Scan# 707  
Delta R.T. 0.006 min  
Lab File: VY016052.D  
Acq: 19 Oct 2023 21:03



Tgt Ion: 45 Resp: 315935  
Ion Ratio Lower Upper  
45 100  
43 66.2 52.2 78.4  
87 28.1 21.0 31.6  
59 11.7 8.9 13.3

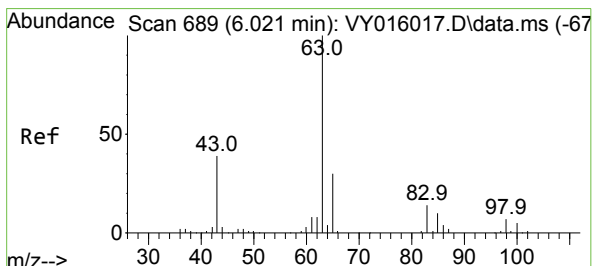
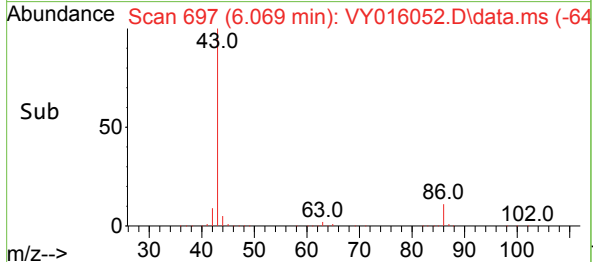
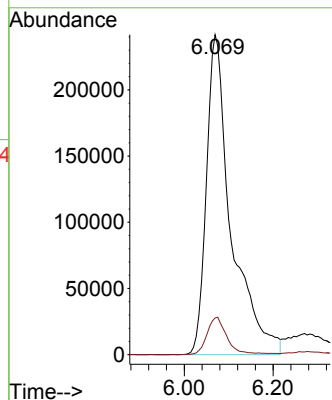
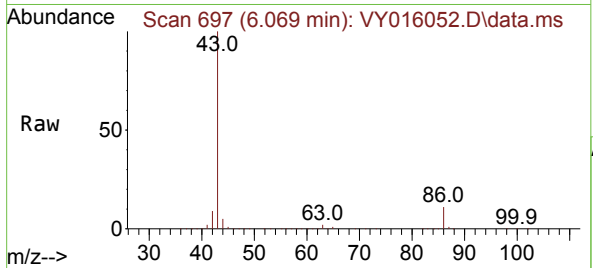




#23  
 Vinyl Acetate  
 Concen: 229.397 ug/l  
 RT: 6.069 min Scan# 696  
 Delta R.T. 0.006 min  
 Lab File: VY016052.D  
 Acq: 19 Oct 2023 21:03

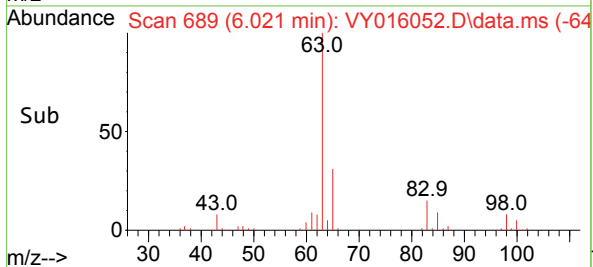
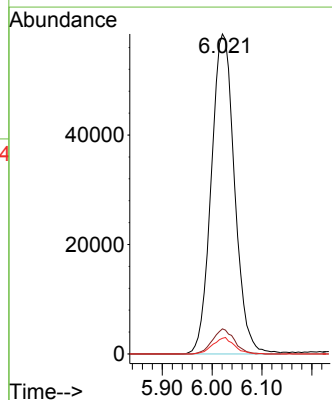
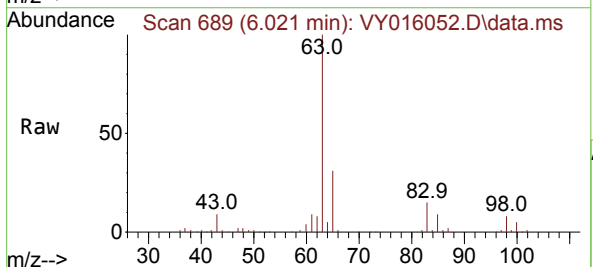
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Tgt Ion: 43 Resp: 934584  
 Ion Ratio Lower Upper  
 43 100  
 86 11.5 7.5 11.3#

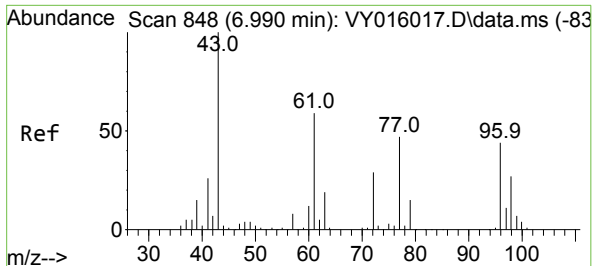


#24  
 1,1-Dichloroethane  
 Concen: 48.714 ug/l  
 RT: 6.021 min Scan# 689  
 Delta R.T. -0.000 min  
 Lab File: VY016052.D  
 Acq: 19 Oct 2023 21:03

Tgt Ion: 63 Resp: 189807  
 Ion Ratio Lower Upper  
 63 100  
 98 7.8 3.1 9.4  
 100 4.9 1.8 5.5







#25

2-Butanone

Concen: 261.866 ug/l

RT: 7.008 min Scan# 81

Delta R.T. 0.018 min

Lab File: VY016052.D

Acq: 19 Oct 2023 21:03

Instrument :

MSVOA\_Y

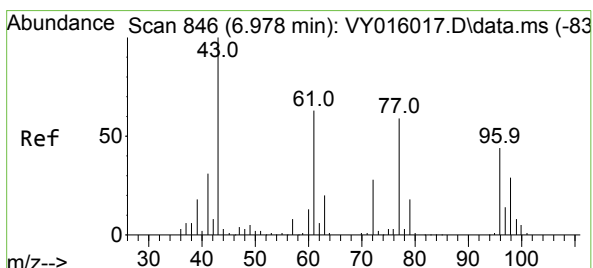
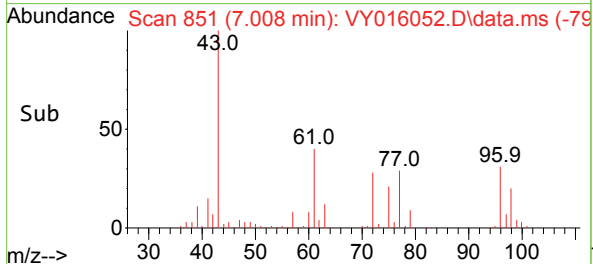
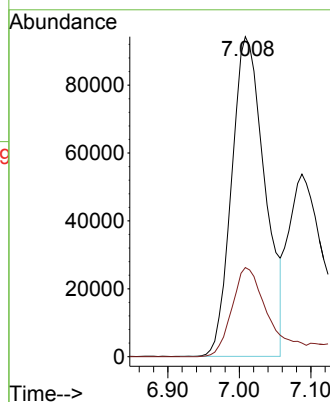
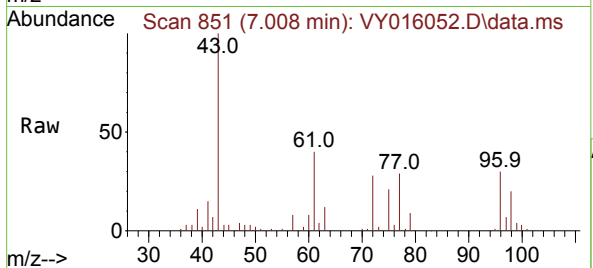
ClientSampleId :

Tgt Ion: 43 Resp: 303858

Ion Ratio Lower Upper

43 100

72 27.9 20.5 30.7



#26

2,2-Dichloropropane

Concen: 44.512 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.006 min

Lab File: VY016052.D

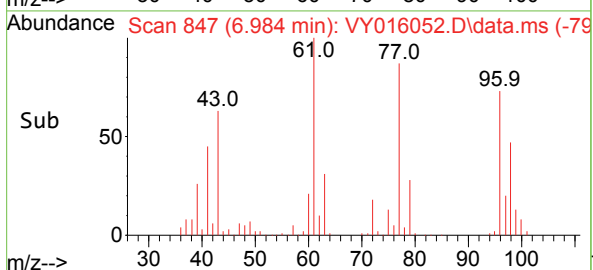
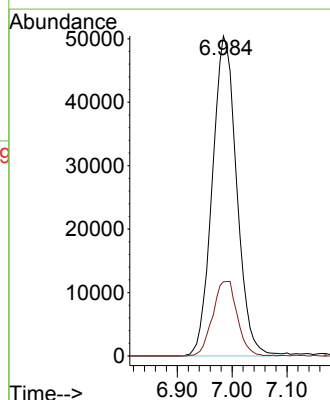
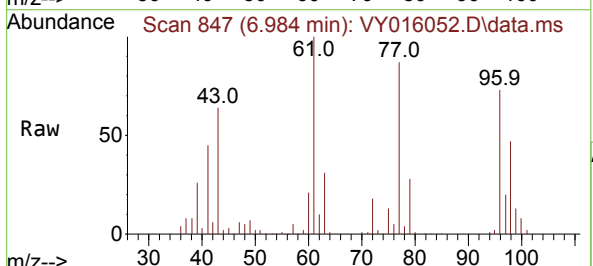
Acq: 19 Oct 2023 21:03

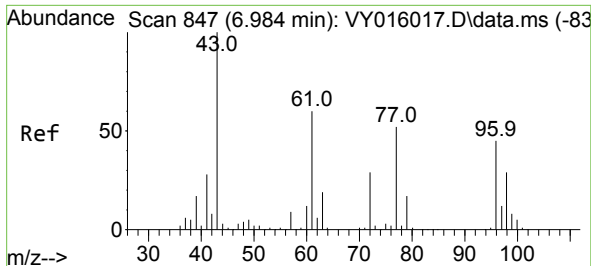
Tgt Ion: 77 Resp: 156046

Ion Ratio Lower Upper

77 100

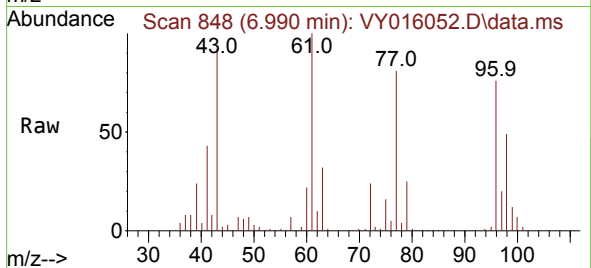
97 23.6 10.9 32.9





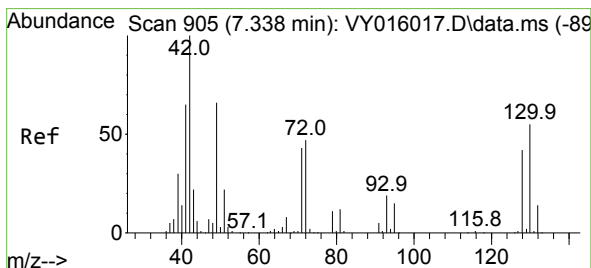
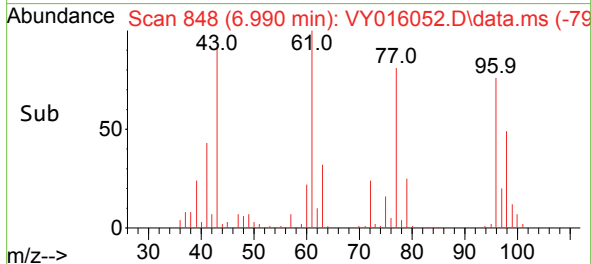
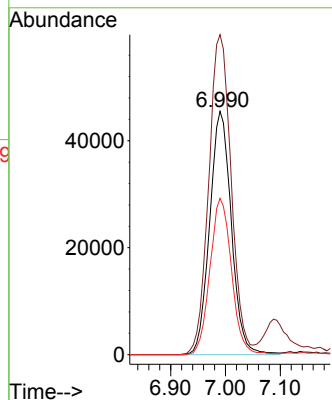
#27  
 cis-1,2-Dichloroethene  
 Concen: 48.286 ug/l  
 RT: 6.990 min Scan# 847  
 Delta R.T. 0.006 min  
 Lab File: VY016052.D  
 Acq: 19 Oct 2023 21:03

Instrument :  
 MSVOA\_Y  
 ClientSampleId :



Tgt Ion: 96 Resp: 124916  

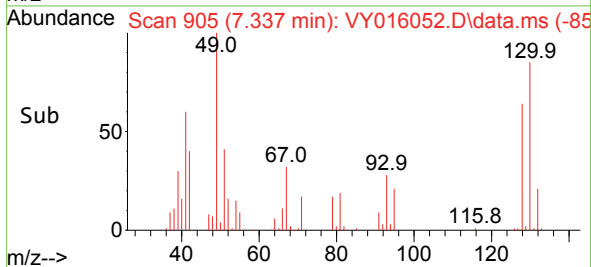
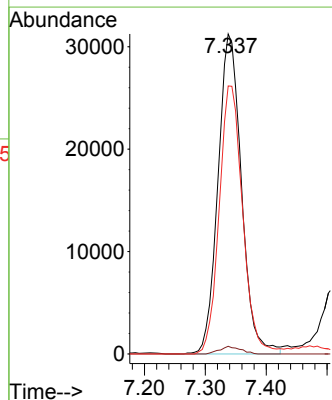
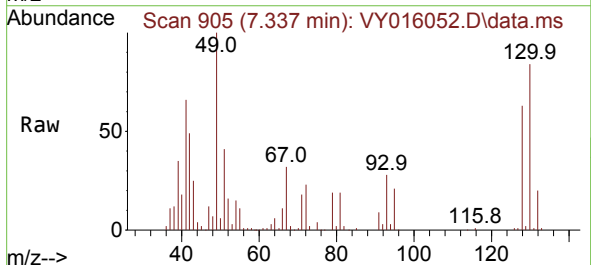
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 136.1 | 0.0   | 301.4 |
| 98  | 63.9  | 0.0   | 130.4 |

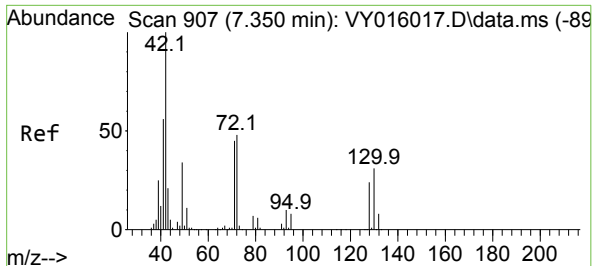


#28  
 Bromochloromethane  
 Concen: 50.196 ug/l  
 RT: 7.337 min Scan# 905  
 Delta R.T. -0.000 min  
 Lab File: VY016052.D  
 Acq: 19 Oct 2023 21:03

Tgt Ion: 49 Resp: 83646  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 49  | 100   |       |       |
| 129 | 2.1   | 0.0   | 4.6   |
| 130 | 83.4  | 60.7  | 91.1  |





#29

Tetrahydrofuran

Concen: 299.932 ug/l

RT: 7.368 min Scan# 910

Delta R.T. 0.018 min

Lab File: VY016052.D

Acq: 19 Oct 2023 21:03

Instrument :

MSVOA\_Y

ClientSampleId :

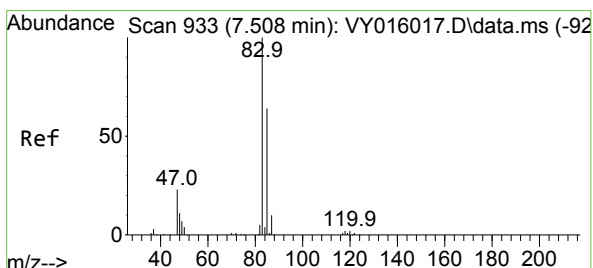
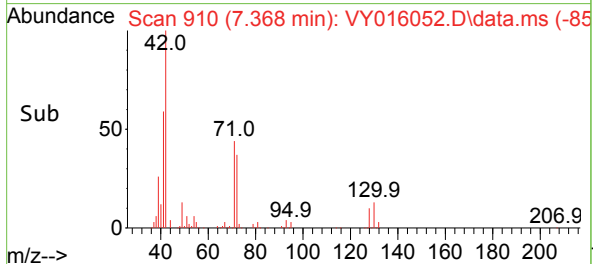
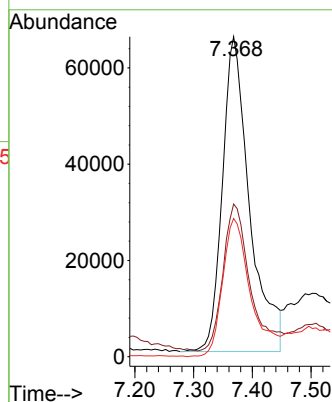
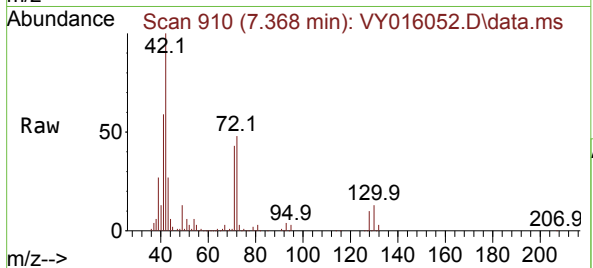
Tgt Ion: 42 Resp: 210661

Ion Ratio Lower Upper

42 100

72 46.8 32.8 49.2

71 45.5 31.0 46.4



#30

Chloroform

Concen: 48.371 ug/l

RT: 7.508 min Scan# 933

Delta R.T. -0.000 min

Lab File: VY016052.D

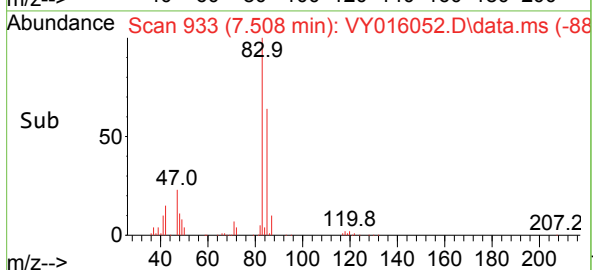
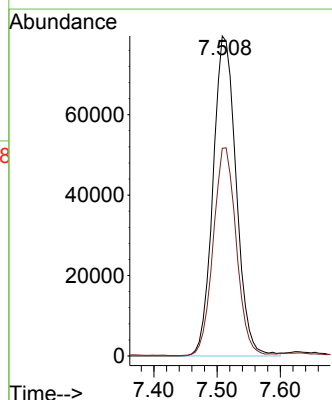
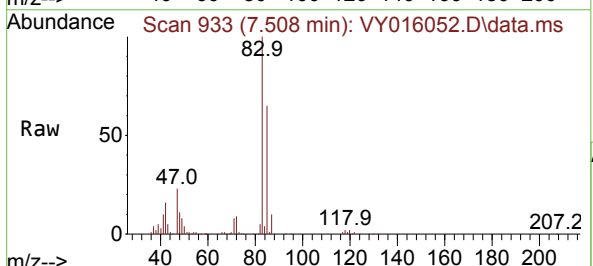
Acq: 19 Oct 2023 21:03

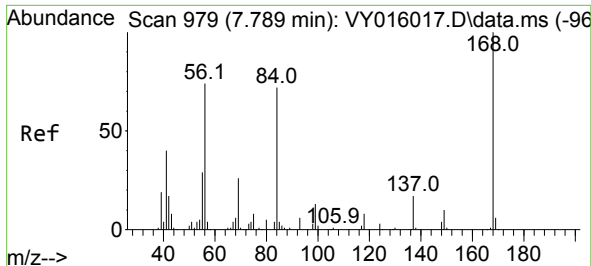
Tgt Ion: 83 Resp: 202081

Ion Ratio Lower Upper

83 100

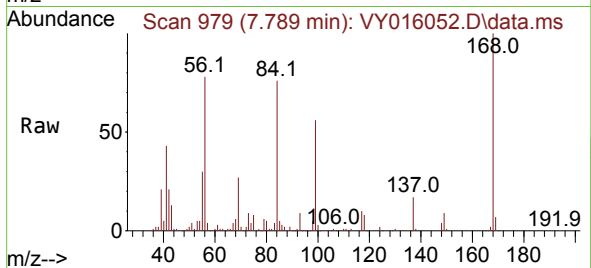
85 64.8 49.7 74.5



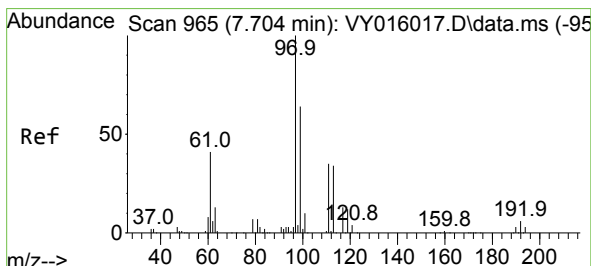
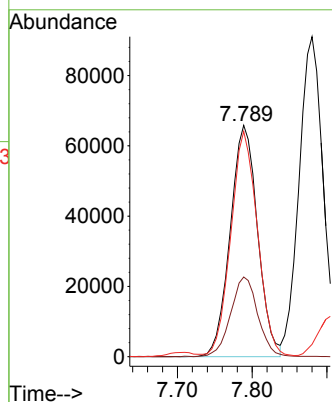
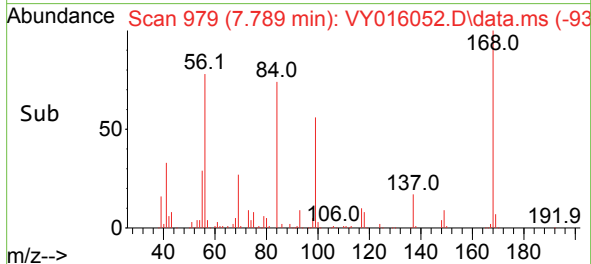


#31  
Cyclohexane  
Concen: 46.813 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY016052.D  
Acq: 19 Oct 2023 21:03

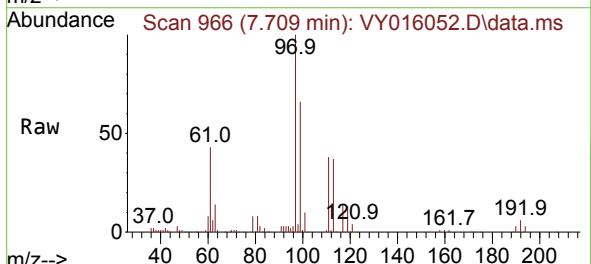
Instrument :  
MSVOA\_Y  
ClientSampleId :



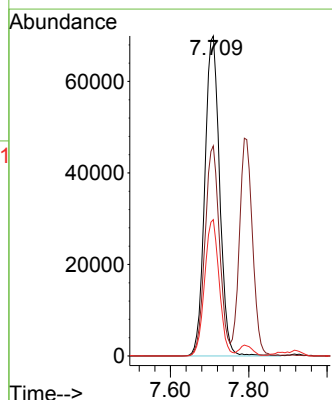
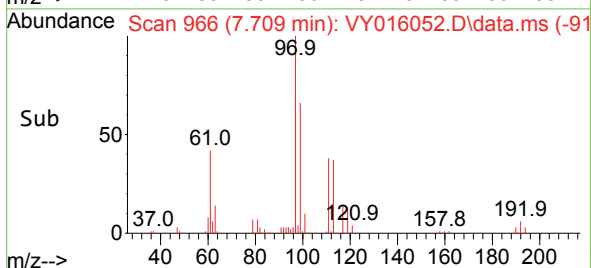
Tgt Ion: 56 Resp: 167448  
Ion Ratio Lower Upper  
56 100  
69 34.4 27.8 41.6  
84 95.6 66.4 99.6

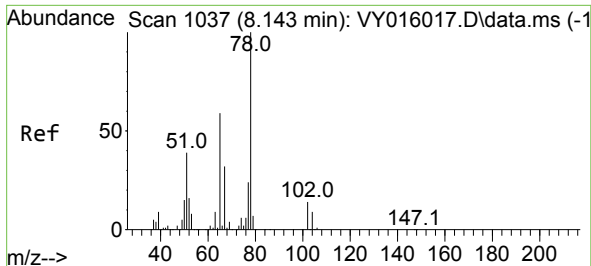


#32  
1,1,1-Trichloroethane  
Concen: 49.147 ug/l  
RT: 7.709 min Scan# 966  
Delta R.T. 0.006 min  
Lab File: VY016052.D  
Acq: 19 Oct 2023 21:03



Tgt Ion: 97 Resp: 183711  
Ion Ratio Lower Upper  
97 100  
99 64.1 50.8 76.2  
61 41.9 35.1 52.7

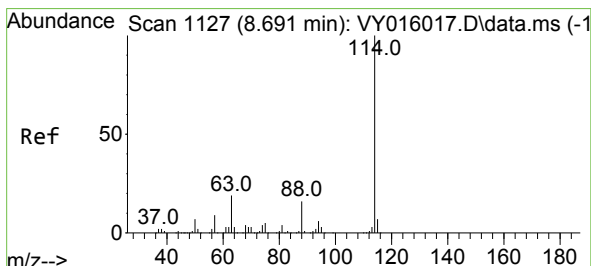
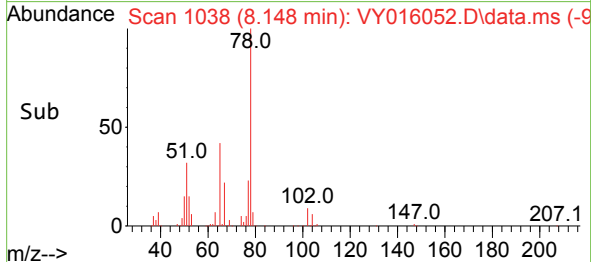
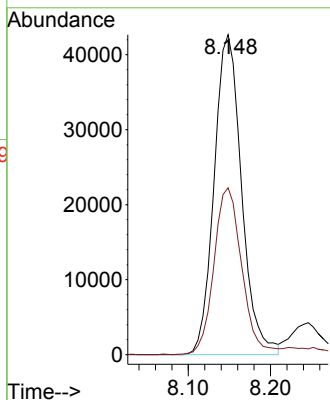
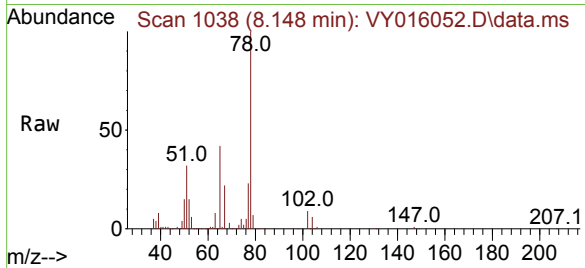




#33  
 1,2-Dichloroethane-d4  
 Concen: 43.365 ug/l  
 RT: 8.148 min Scan# 1037  
 Delta R.T. 0.006 min  
 Lab File: VY016052.D  
 Acq: 19 Oct 2023 21:03

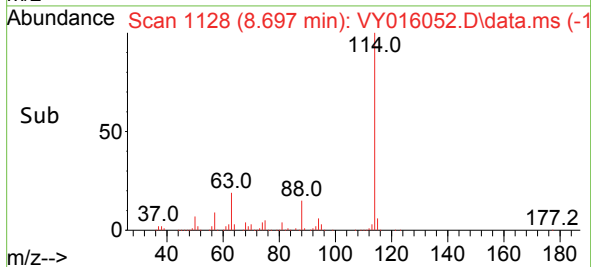
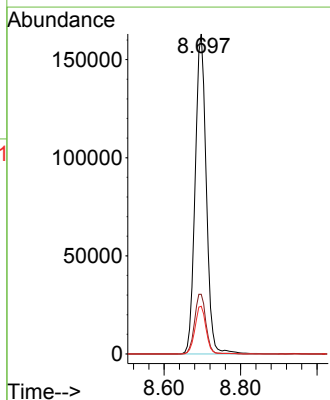
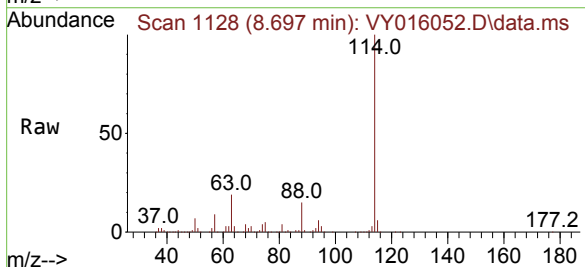
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

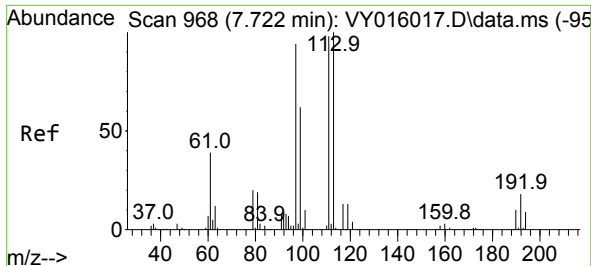
Tgt Ion: 65 Resp: 99104  
 Ion Ratio Lower Upper  
 65 100  
 67 52.9 0.0 101.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.697 min Scan# 1128  
 Delta R.T. 0.006 min  
 Lab File: VY016052.D  
 Acq: 19 Oct 2023 21:03

Tgt Ion: 114 Resp: 327903  
 Ion Ratio Lower Upper  
 114 100  
 63 18.6 0.0 42.4  
 88 14.9 0.0 30.6

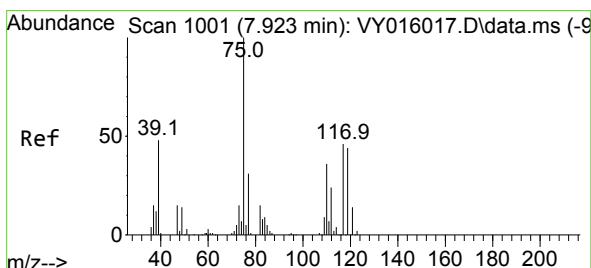
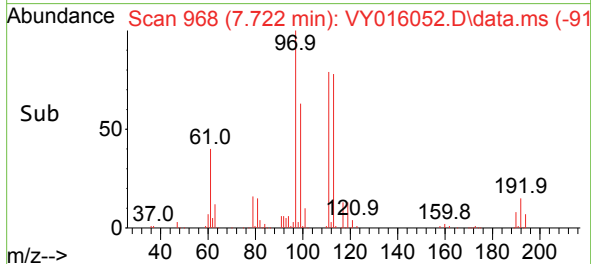
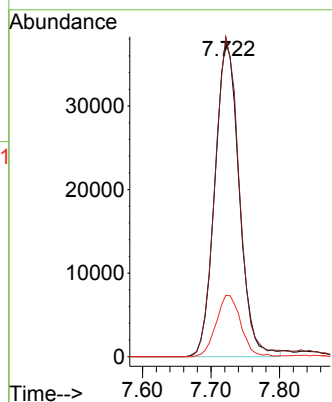
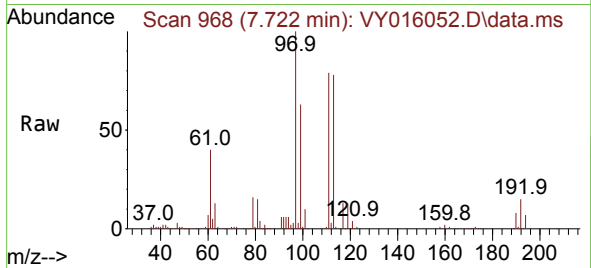




#35  
Dibromofluoromethane  
Concen: 43.024 ug/l  
RT: 7.722 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY016052.D  
Acq: 19 Oct 2023 21:03

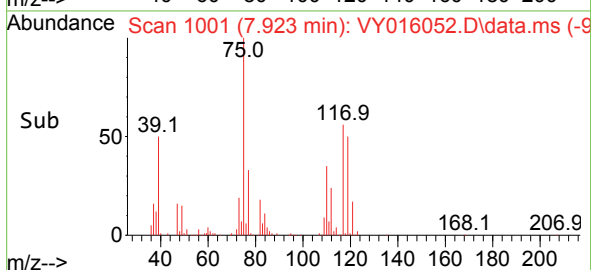
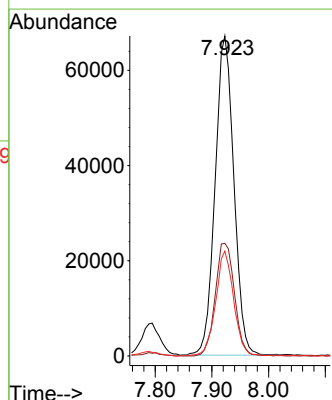
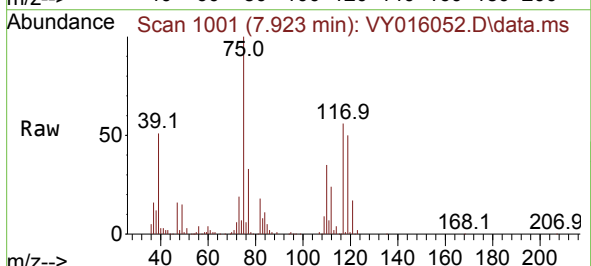
Instrument :  
MSVOA\_Y  
ClientSampleId :

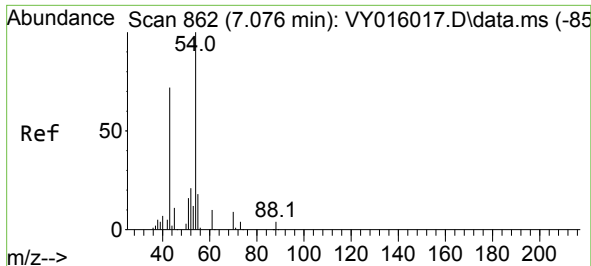
Tgt Ion:113 Resp: 92858  
Ion Ratio Lower Upper  
113 100  
111 101.8 81.3 121.9  
192 19.8 16.9 25.3



#36  
1,1-Dichloropropene  
Concen: 47.336 ug/l  
RT: 7.923 min Scan# 1001  
Delta R.T. -0.000 min  
Lab File: VY016052.D  
Acq: 19 Oct 2023 21:03

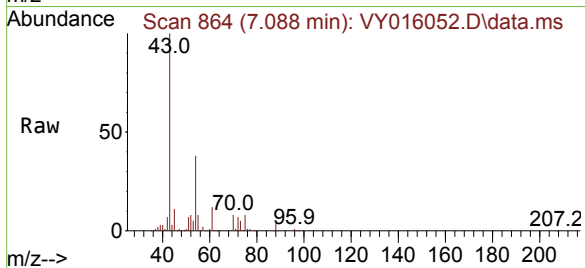
Tgt Ion: 75 Resp: 153706  
Ion Ratio Lower Upper  
75 100  
110 36.3 17.8 53.5  
77 31.7 24.4 36.6



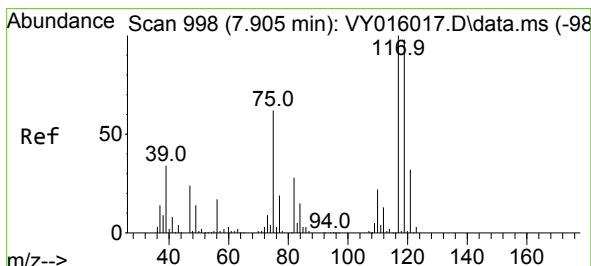
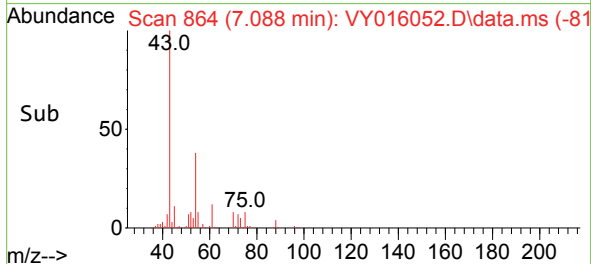
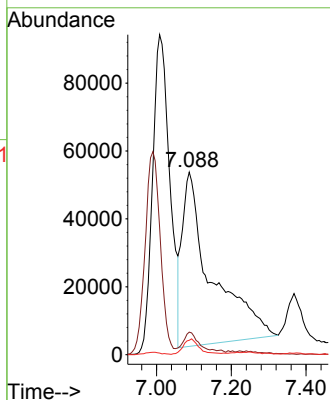


#37  
Ethyl Acetate  
Concen: 119.971 ug/l  
RT: 7.088 min Scan# 864  
Delta R.T. 0.012 min  
Lab File: VY016052.D  
Acq: 19 Oct 2023 21:03

Instrument :  
MSVOA\_Y  
ClientSampleId :

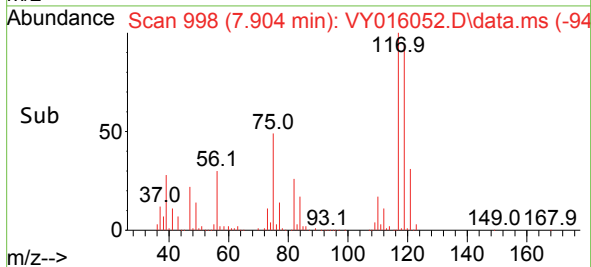
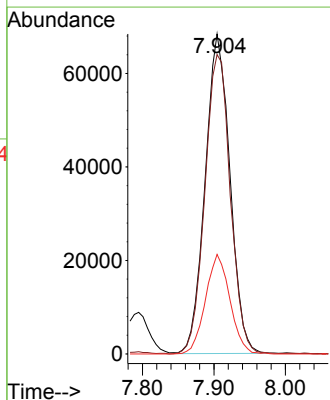
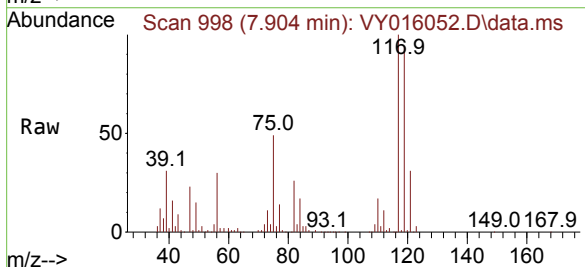


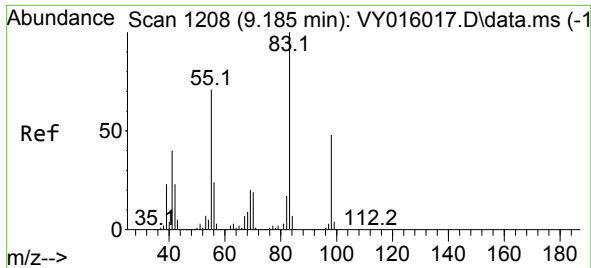
Tgt Ion: 43 Resp: 280808  
Ion Ratio Lower Upper  
43 100  
61 6.7 10.1 15.1#  
70 4.7 7.1 10.7#



#38  
Carbon Tetrachloride  
Concen: 47.748 ug/l  
RT: 7.904 min Scan# 998  
Delta R.T. -0.000 min  
Lab File: VY016052.D  
Acq: 19 Oct 2023 21:03

Tgt Ion: 117 Resp: 164789  
Ion Ratio Lower Upper  
117 100  
119 93.6 76.4 114.6  
121 31.1 25.8 38.6





#39

Methylcyclohexane

Concen: 47.826 ug/l

RT: 9.185 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY016052.D

Acq: 19 Oct 2023 21:03

Instrument :

MSVOA\_Y

ClientSampleId :

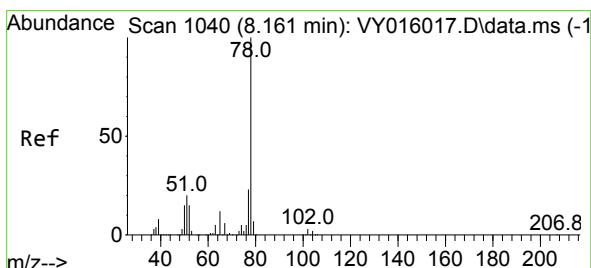
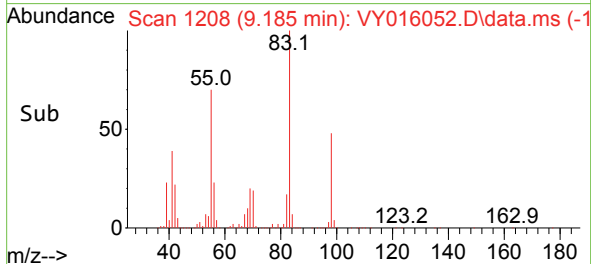
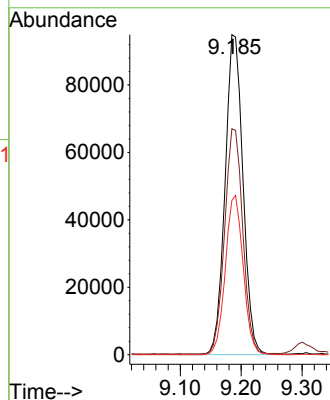
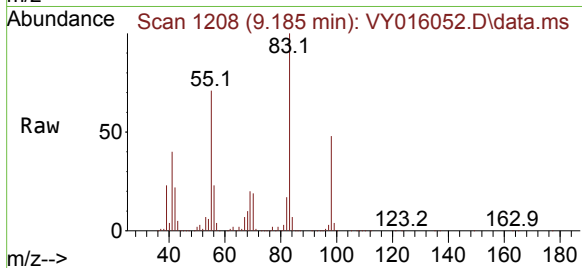
Tgt Ion: 83 Resp: 194079

Ion Ratio Lower Upper

83 100

55 70.3 63.0 94.4

98 48.2 37.4 56.2



#40

Benzene

Concen: 47.893 ug/l

RT: 8.167 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VY016052.D

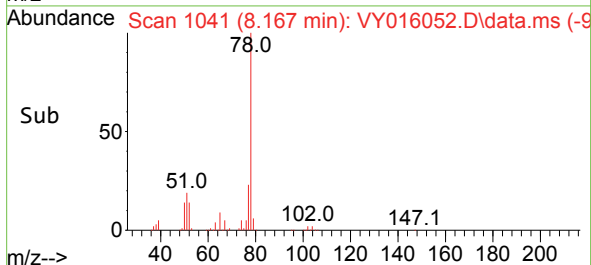
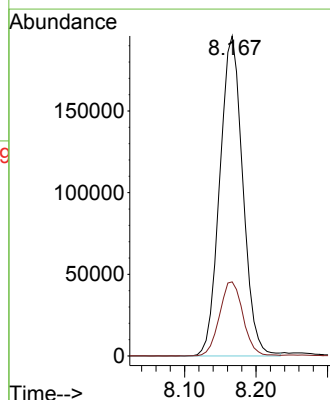
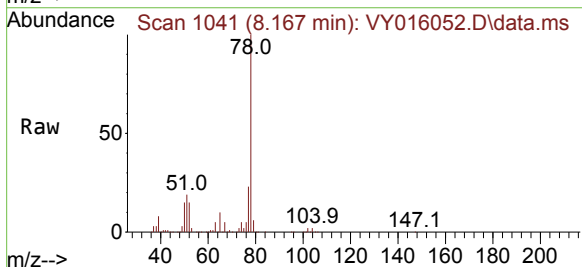
Acq: 19 Oct 2023 21:03

Tgt Ion: 78 Resp: 438307

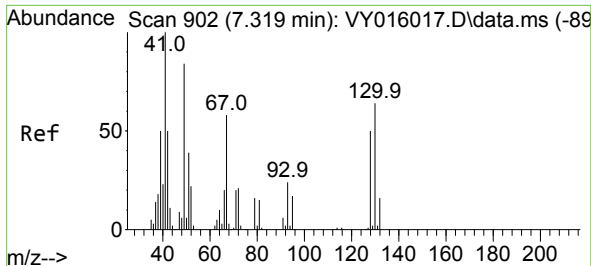
Ion Ratio Lower Upper

78 100

77 23.1 19.0 28.6

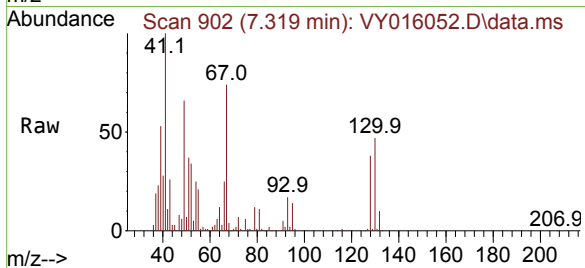




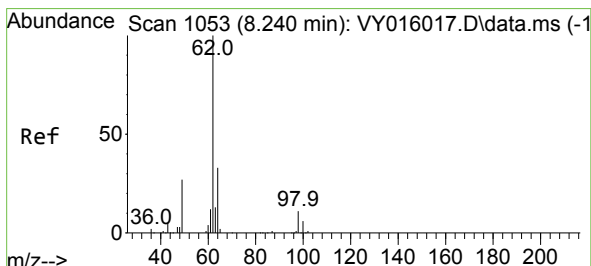
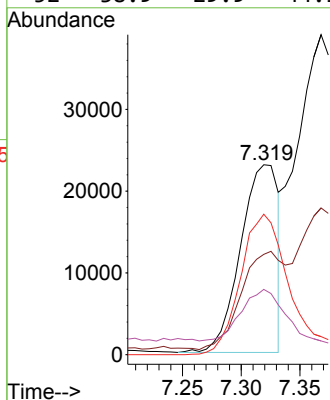
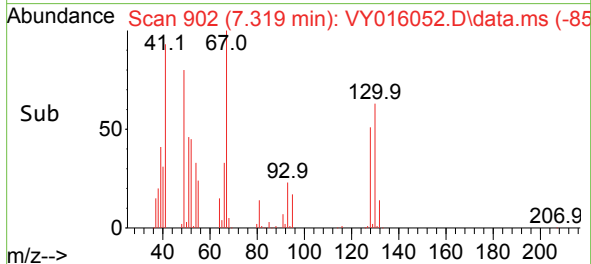


#41  
Methacrylonitrile  
Concen: 42.096 ug/l  
RT: 7.319 min Scan# 90  
Delta R.T. -0.000 min  
Lab File: VY016052.D  
Acq: 19 Oct 2023 21:03

Instrument :  
MSVOA\_Y  
ClientSampleId :

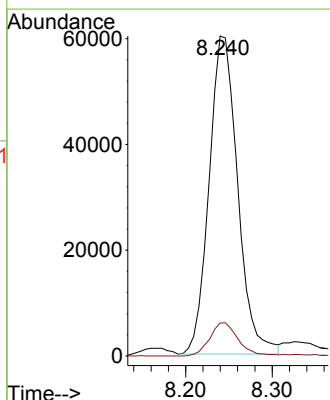
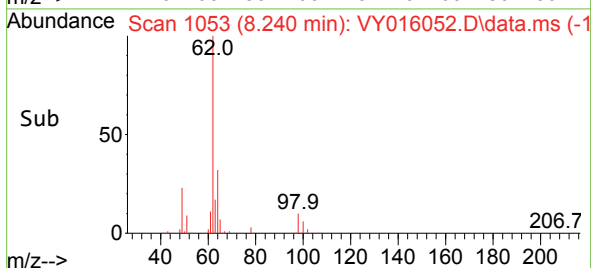
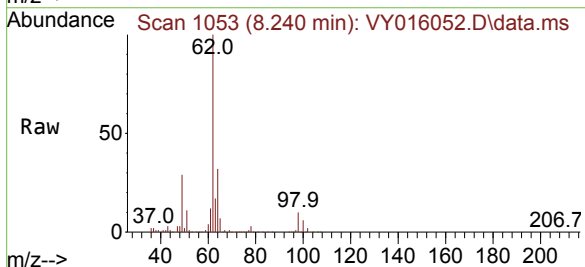


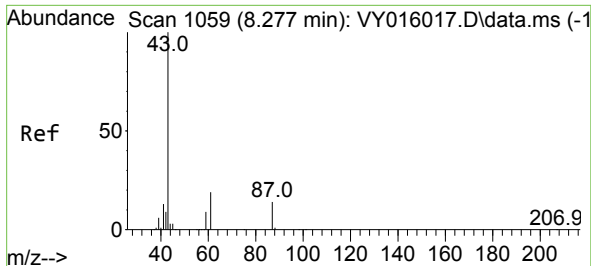
Tgt Ion: 41 Resp: 51113  
Ion Ratio Lower Upper  
41 100  
39 59.5 52.1 78.1  
67 101.4 66.2 99.2#  
52 38.9 29.9 44.9



#42  
1,2-Dichloroethane  
Concen: 46.815 ug/l  
RT: 8.240 min Scan# 1053  
Delta R.T. -0.000 min  
Lab File: VY016052.D  
Acq: 19 Oct 2023 21:03

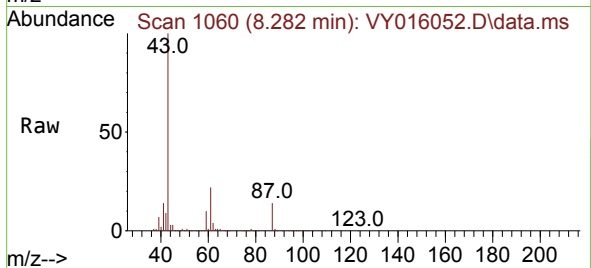
Tgt Ion: 62 Resp: 138009  
Ion Ratio Lower Upper  
62 100  
98 10.4 0.0 15.8



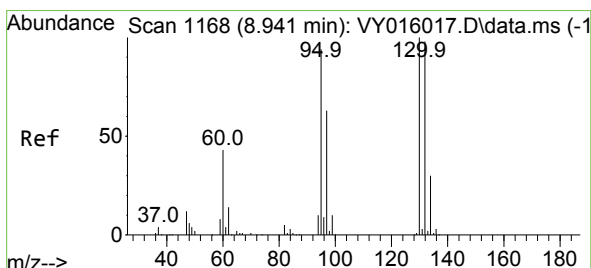
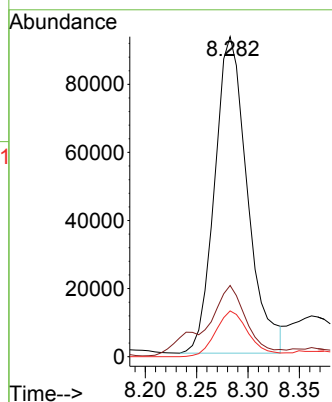
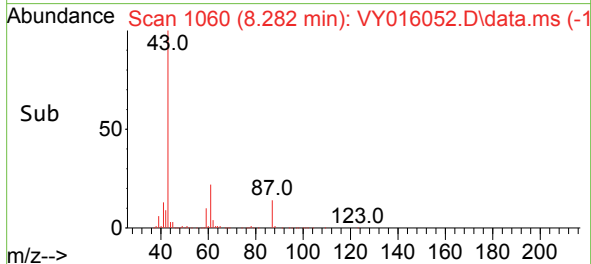


#43  
Isopropyl Acetate  
Concen: 50.284 ug/l  
RT: 8.282 min Scan# 1060  
Delta R.T. 0.006 min  
Lab File: VY016052.D  
Acq: 19 Oct 2023 21:03

Instrument :  
MSVOA\_Y  
ClientSampleId :

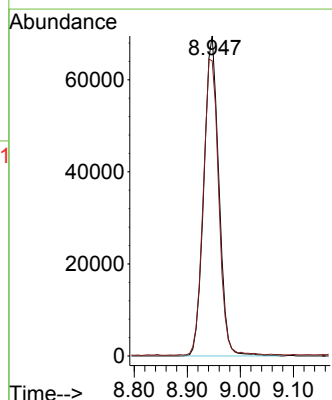
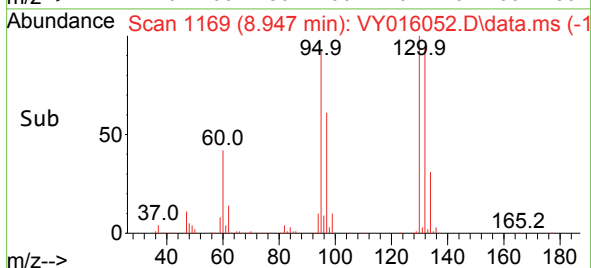
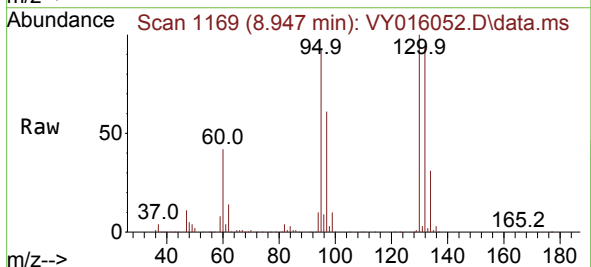


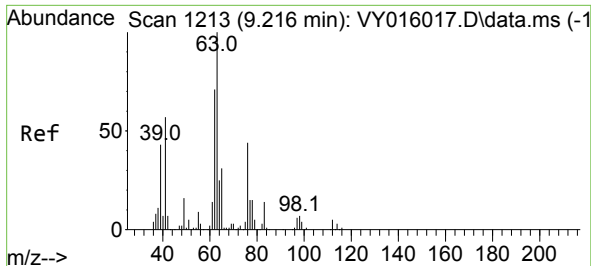
Tgt Ion: 43 Resp: 205776  
Ion Ratio Lower Upper  
43 100  
61 28.3 21.1 31.7  
87 14.7 9.8 14.8



#44  
Trichloroethene  
Concen: 52.906 ug/l  
RT: 8.947 min Scan# 1169  
Delta R.T. 0.006 min  
Lab File: VY016052.D  
Acq: 19 Oct 2023 21:03

Tgt Ion:130 Resp: 135760  
Ion Ratio Lower Upper  
130 100  
95 91.9 0.0 196.0





#45

1,2-Dichloropropane

Concen: 49.300 ug/l

RT: 9.221 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY016052.D

Acq: 19 Oct 2023 21:03

Instrument :

MSVOA\_Y

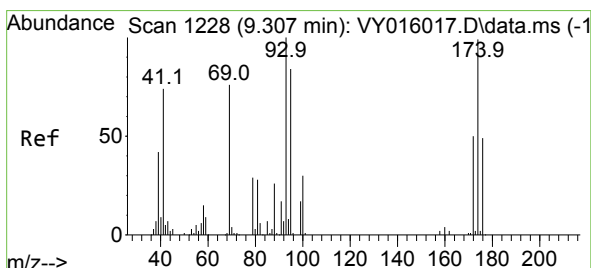
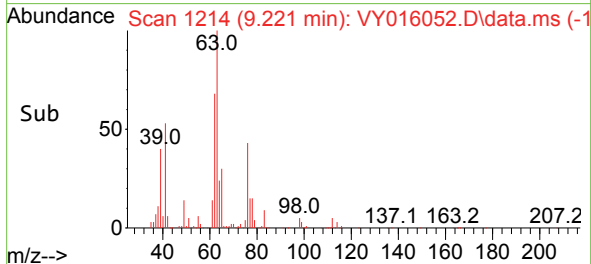
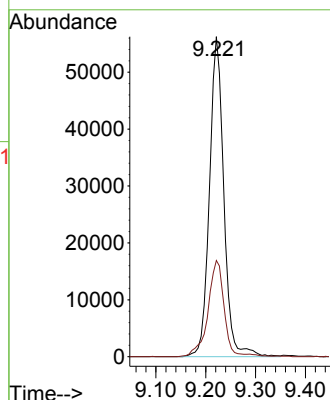
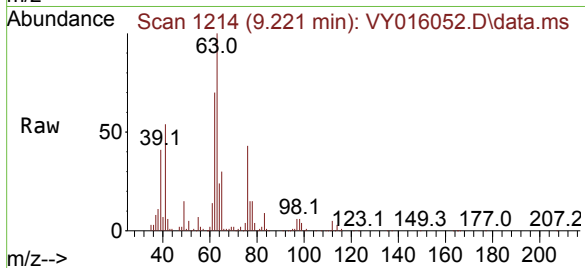
ClientSampleId :

Tgt Ion: 63 Resp: 112915

Ion Ratio Lower Upper

63 100

65 30.0 23.8 35.6



#46

Dibromomethane

Concen: 52.699 ug/l

RT: 9.313 min Scan# 1229

Delta R.T. 0.006 min

Lab File: VY016052.D

Acq: 19 Oct 2023 21:03

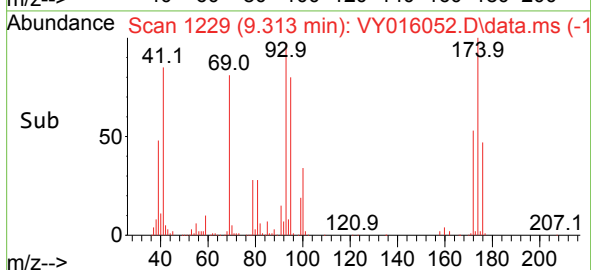
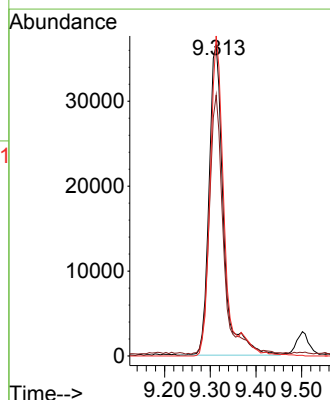
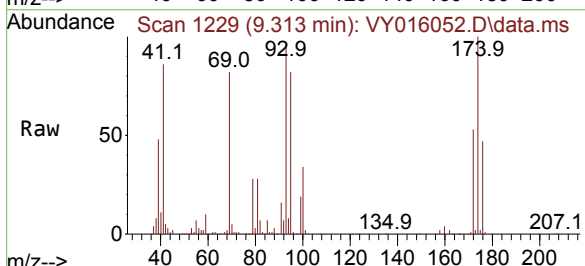
Tgt Ion: 93 Resp: 80130

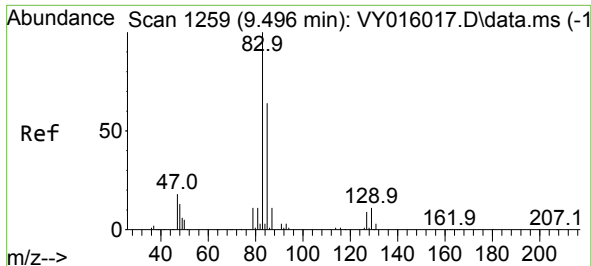
Ion Ratio Lower Upper

93 100

95 82.1 66.6 100.0

174 93.8 84.8 127.2

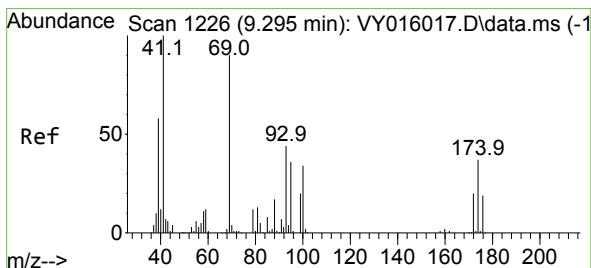
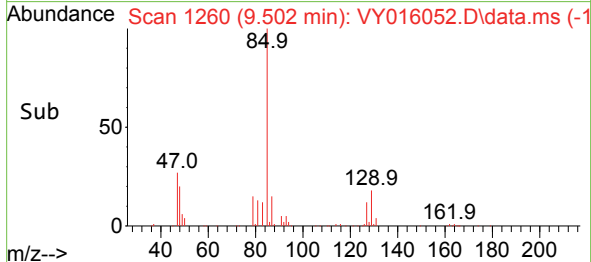
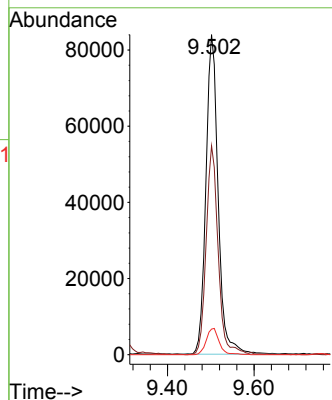
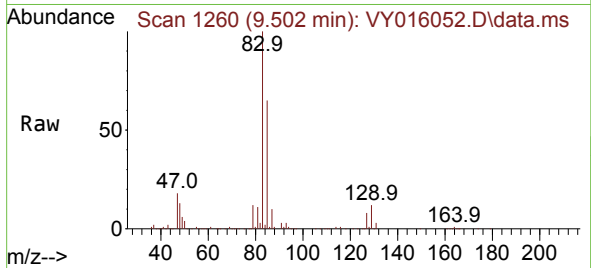




#47  
Bromodichloromethane  
Concen: 49.455 ug/l  
RT: 9.502 min Scan# 1260  
Delta R.T. 0.006 min  
Lab File: VY016052.D  
Acq: 19 Oct 2023 21:03

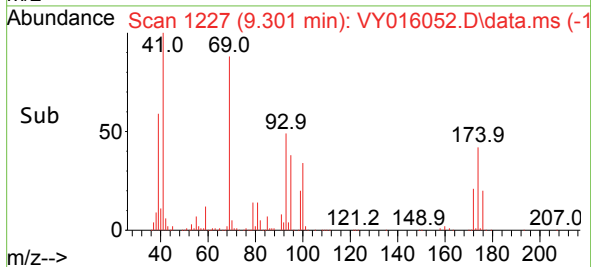
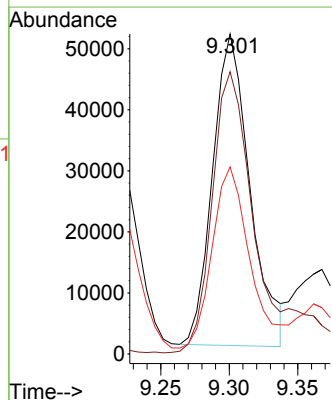
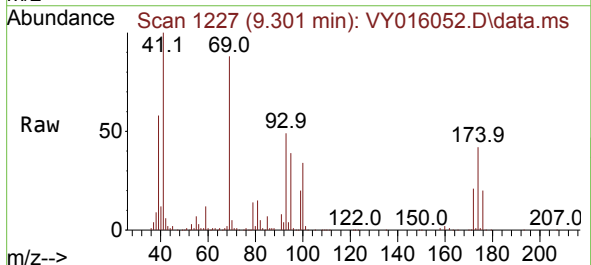
Instrument :  
MSVOA\_Y  
ClientSampleId :

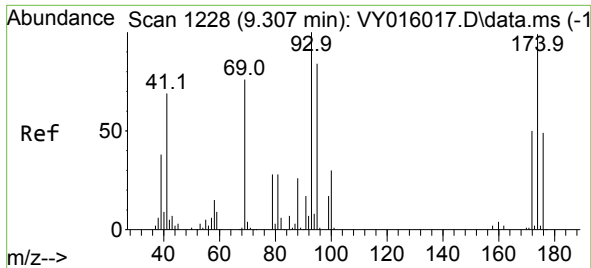
Tgt Ion: 83 Resp: 164814  
Ion Ratio Lower Upper  
83 100  
85 65.3 50.1 75.1  
127 8.0 7.1 10.7



#48  
Methyl methacrylate  
Concen: 52.071 ug/l  
RT: 9.301 min Scan# 1227  
Delta R.T. 0.006 min  
Lab File: VY016052.D  
Acq: 19 Oct 2023 21:03

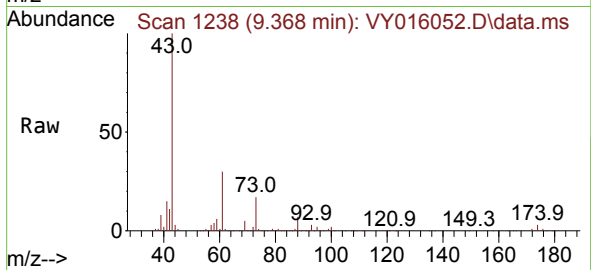
Tgt Ion: 41 Resp: 96995  
Ion Ratio Lower Upper  
41 100  
69 112.7 64.5 96.7#  
39 59.6 50.8 76.2



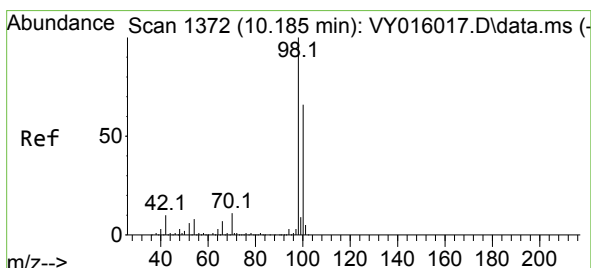
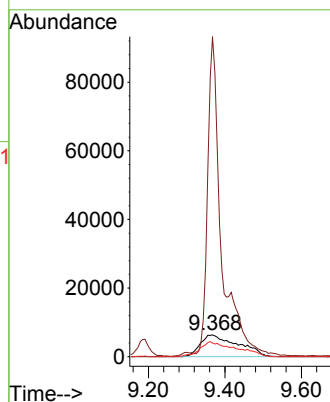
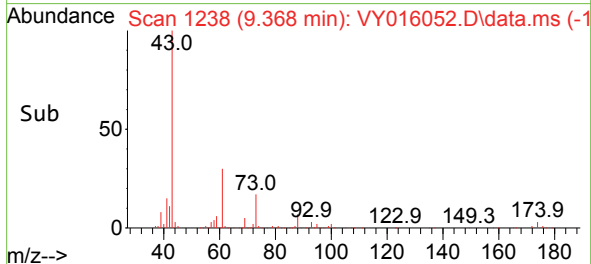


#49  
1,4-Dioxane  
Concen: 1796.846 ug/l  
RT: 9.368 min Scan# 1228  
Delta R.T. 0.061 min  
Lab File: VY016052.D  
Acq: 19 Oct 2023 21:03

Instrument :  
MSVOA\_Y  
ClientSampleId :

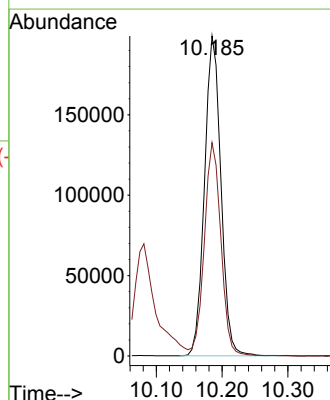
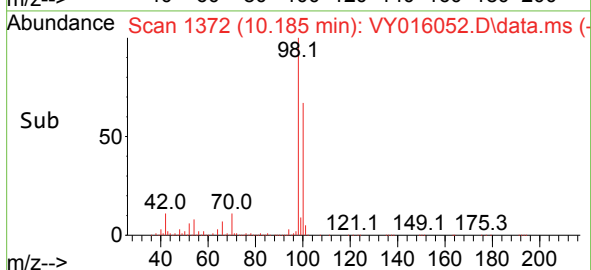
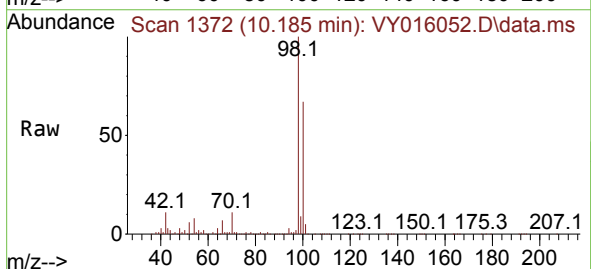


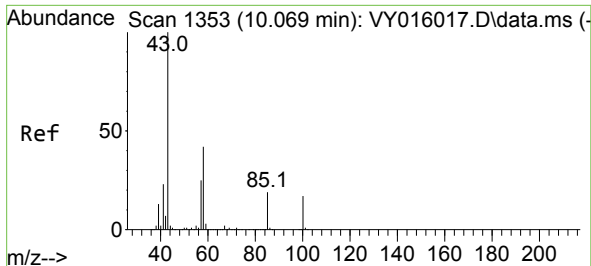
Tgt Ion: 88 Resp: 43505  
Ion Ratio Lower Upper  
88 100  
43 535.3 0.0 0.0#  
58 65.7 30.9 46.3#



#50  
Toluene-d8  
Concen: 44.075 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. -0.000 min  
Lab File: VY016052.D  
Acq: 19 Oct 2023 21:03

Tgt Ion: 98 Resp: 345483  
Ion Ratio Lower Upper  
98 100  
100 66.9 50.1 75.1





#51

4-Methyl-2-Pentanone

Concen: 384.541 ug/l

RT: 10.081 min Scan# 1355

Delta R.T. 0.012 min

Lab File: VY016052.D

Acq: 19 Oct 2023 21:03

Instrument :

MSVOA\_Y

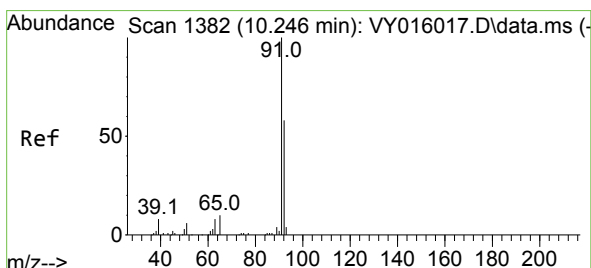
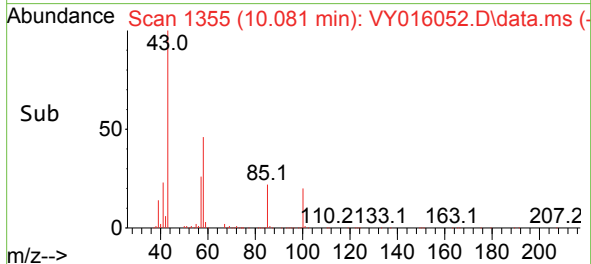
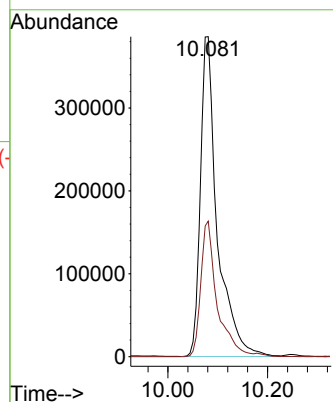
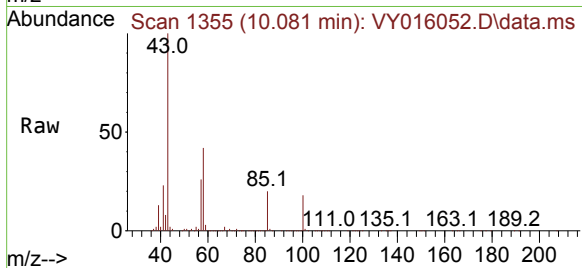
ClientSampleId :

Tgt Ion: 43 Resp: 904934

Ion Ratio Lower Upper

43 100

58 41.5 29.0 43.6



#52

Toluene

Concen: 48.736 ug/l

RT: 10.252 min Scan# 1383

Delta R.T. 0.006 min

Lab File: VY016052.D

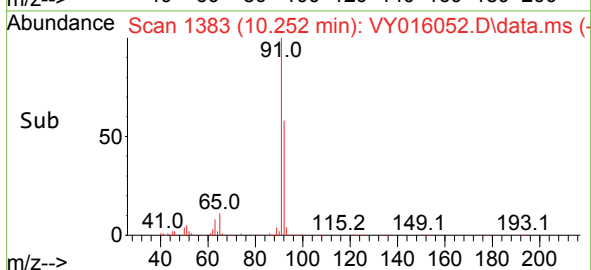
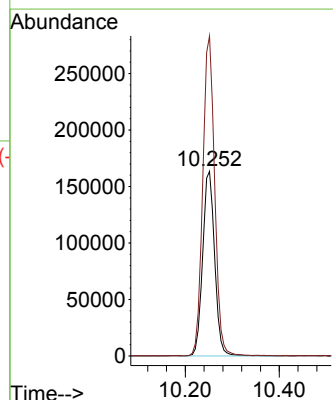
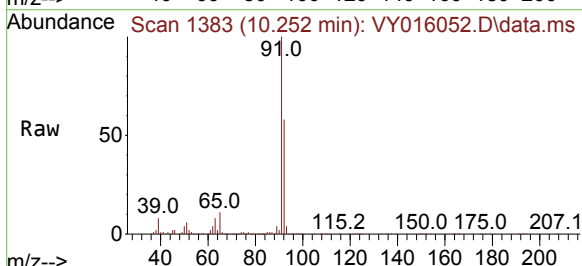
Acq: 19 Oct 2023 21:03

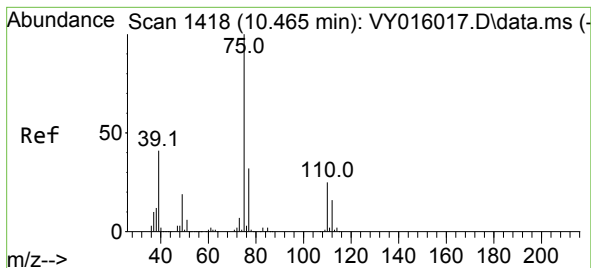
Tgt Ion: 92 Resp: 289295

Ion Ratio Lower Upper

92 100

91 172.1 143.8 215.6





#53

t-1,3-Dichloropropene

Concen: 50.127 ug/l

RT: 10.471 min Scan# 1418

Delta R.T. 0.006 min

Lab File: VY016052.D

Acq: 19 Oct 2023 21:03

Instrument :

MSVOA\_Y

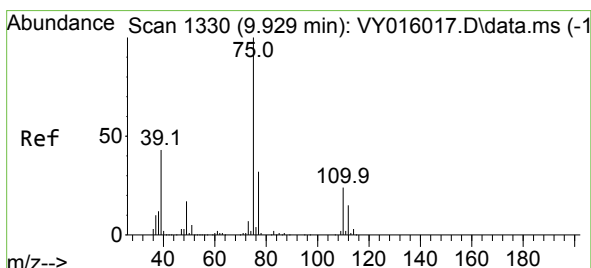
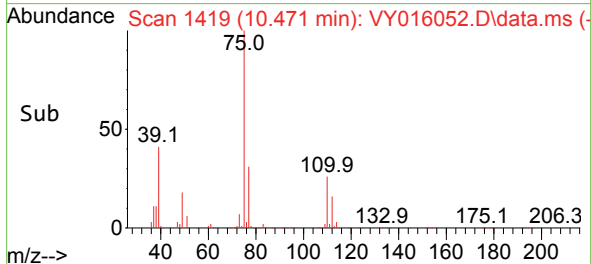
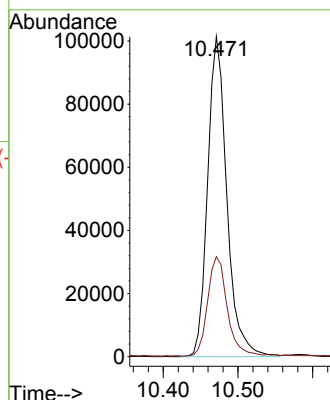
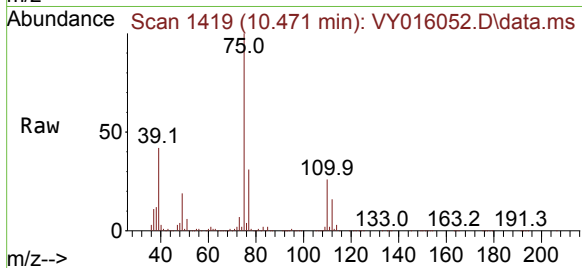
ClientSampleId :

Tgt Ion: 75 Resp: 180967

Ion Ratio Lower Upper

75 100

77 31.0 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 48.478 ug/l

RT: 9.935 min Scan# 1331

Delta R.T. 0.006 min

Lab File: VY016052.D

Acq: 19 Oct 2023 21:03

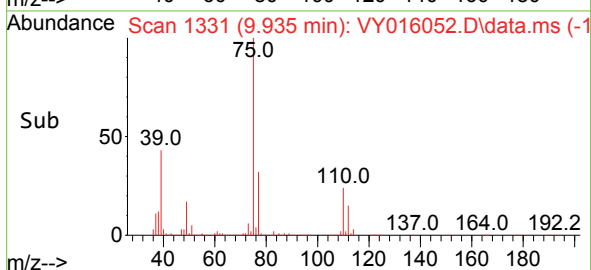
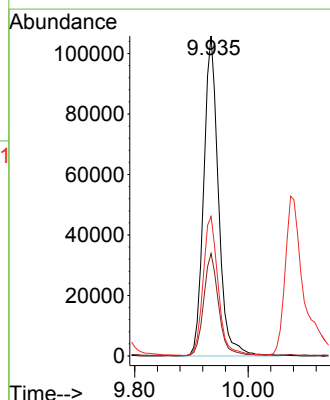
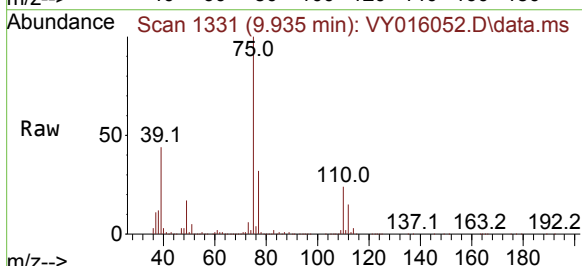
Tgt Ion: 75 Resp: 190773

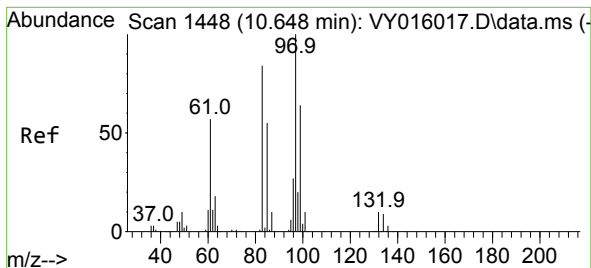
Ion Ratio Lower Upper

75 100

77 31.8 24.2 36.4

39 43.3 42.2 63.4





#55

1,1,2-Trichloroethane

Concen: 53.419 ug/l

RT: 10.654 min Scan# 1449

Delta R.T. 0.006 min

Lab File: VY016052.D

Acq: 19 Oct 2023 21:03

Instrument :

MSVOA\_Y

ClientSampleId :

Tgt Ion: 97 Resp: 111589

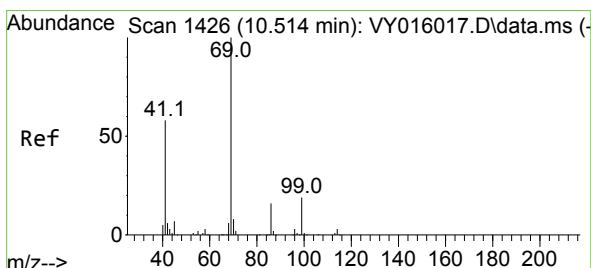
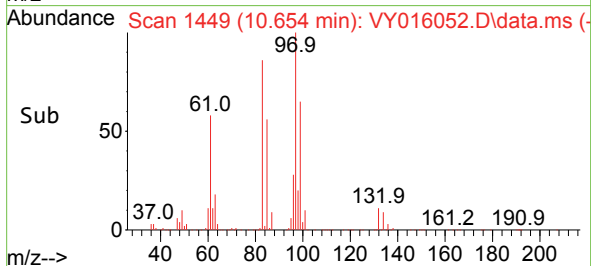
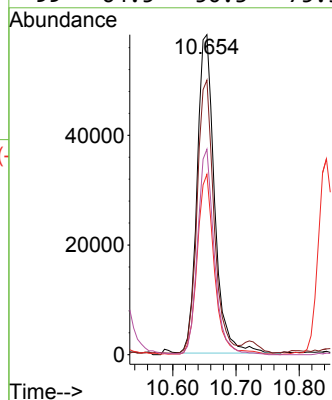
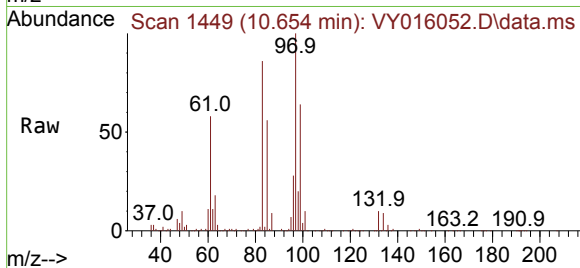
Ion Ratio Lower Upper

97 100

83 85.6 72.0 108.0

85 56.6 45.4 68.0

99 64.5 50.3 75.5



#56

Ethyl methacrylate

Concen: 58.595 ug/l

RT: 10.514 min Scan# 1426

Delta R.T. -0.000 min

Lab File: VY016052.D

Acq: 19 Oct 2023 21:03

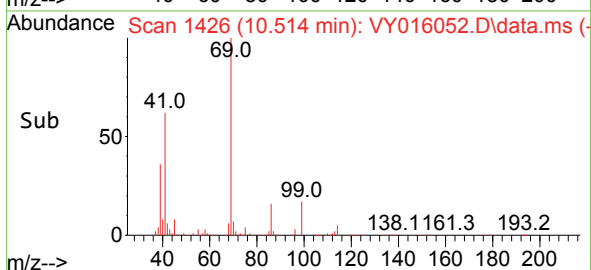
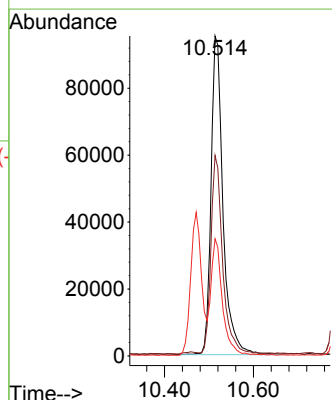
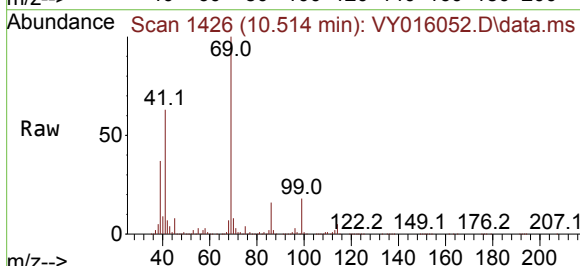
Tgt Ion: 69 Resp: 178883

Ion Ratio Lower Upper

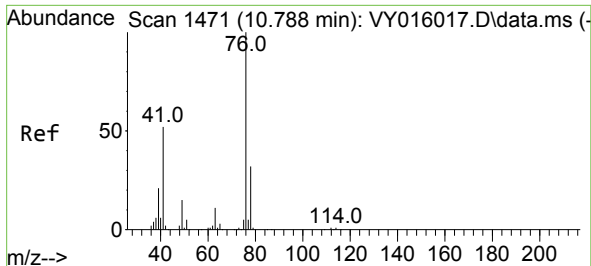
69 100

41 60.4 57.6 86.4

39 34.7 34.1 51.1







#57

1,3-Dichloropropane

Concen: 52.531 ug/l

RT: 10.794 min Scan# 1471

Delta R.T. 0.006 min

Lab File: VY016052.D

Acq: 19 Oct 2023 21:03

Instrument :

MSVOA\_Y

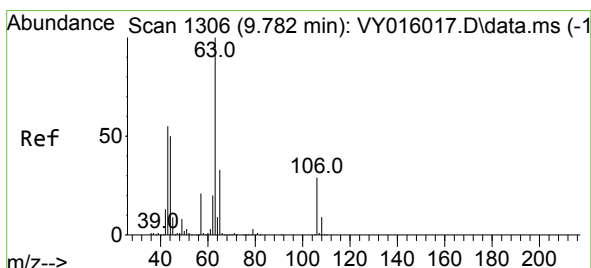
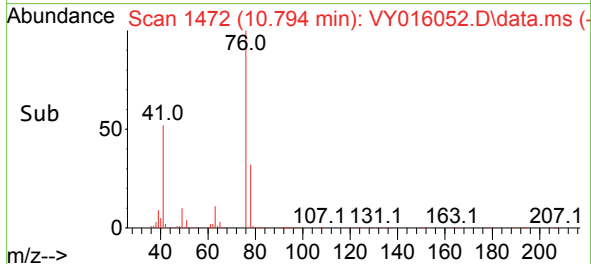
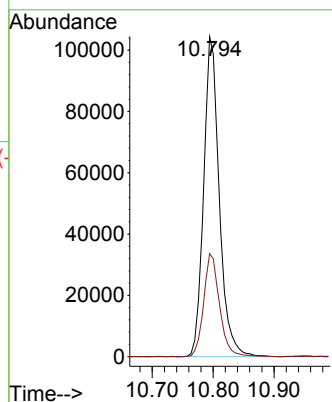
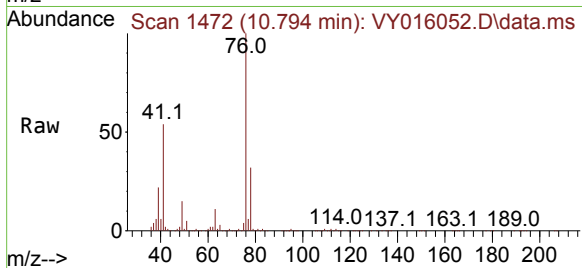
ClientSampleId :

Tgt Ion: 76 Resp: 186158

Ion Ratio Lower Upper

76 100

78 32.8 25.3 37.9



#58

2-Chloroethyl Vinyl ether

Concen: 288.055 ug/l

RT: 9.788 min Scan# 1307

Delta R.T. 0.006 min

Lab File: VY016052.D

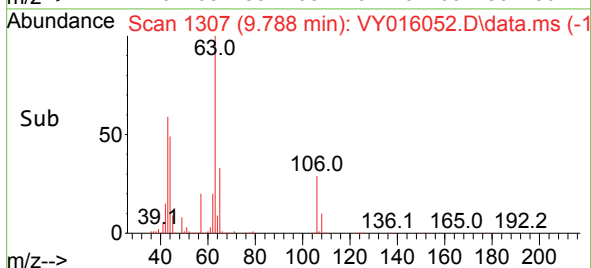
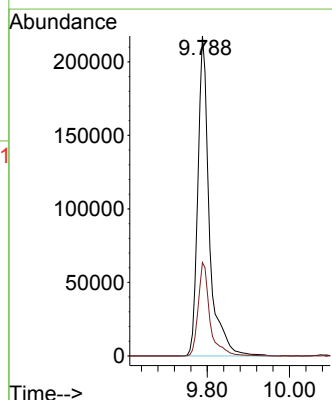
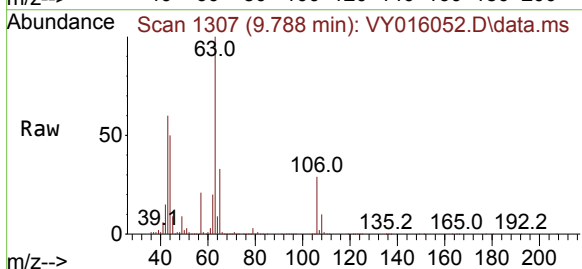
Acq: 19 Oct 2023 21:03

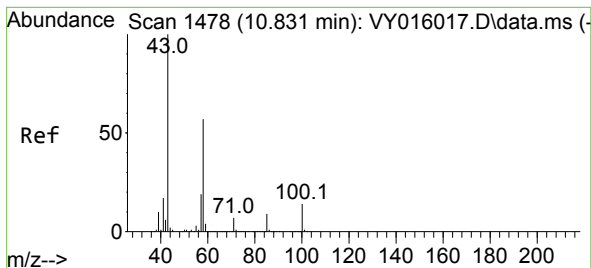
Tgt Ion: 63 Resp: 422392

Ion Ratio Lower Upper

63 100

106 29.8 21.2 31.8

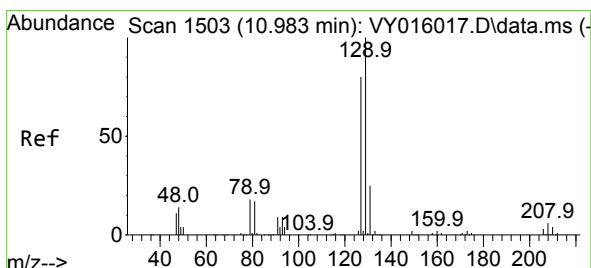
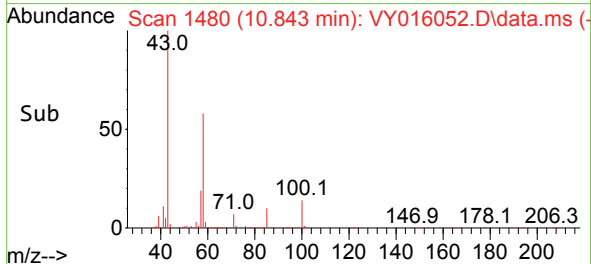
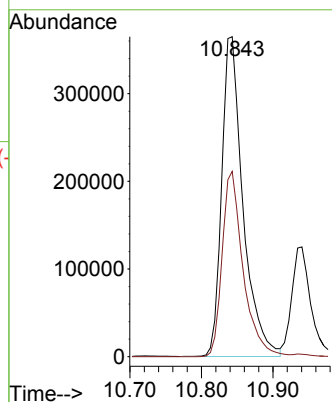
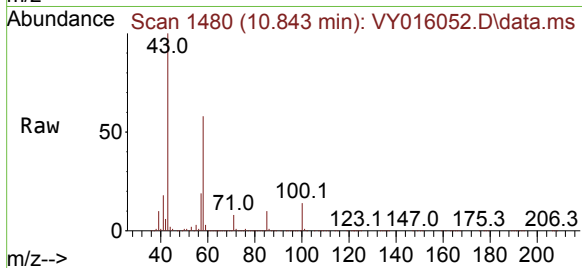




#59  
2-Hexanone  
Concen: 420.829 ug/l  
RT: 10.843 min Scan# 1478  
Delta R.T. 0.012 min  
Lab File: VY016052.D  
Acq: 19 Oct 2023 21:03

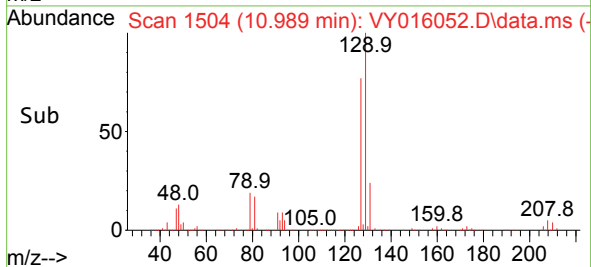
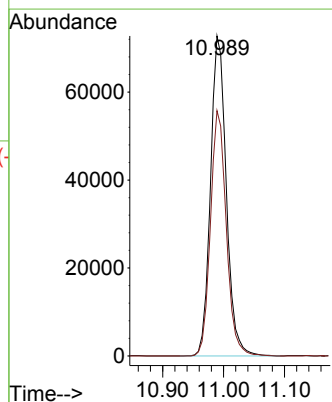
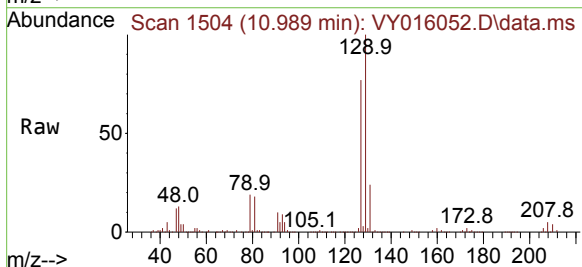
Instrument :  
MSVOA\_Y  
ClientSampleId :

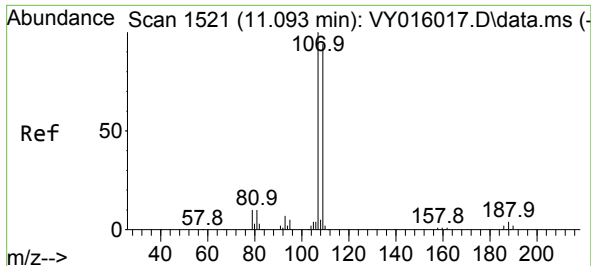
Tgt Ion: 43 Resp: 753465  
Ion Ratio Lower Upper  
43 100  
58 57.1 25.1 75.3



#60  
Dibromochloromethane  
Concen: 51.913 ug/l  
RT: 10.989 min Scan# 1504  
Delta R.T. 0.006 min  
Lab File: VY016052.D  
Acq: 19 Oct 2023 21:03

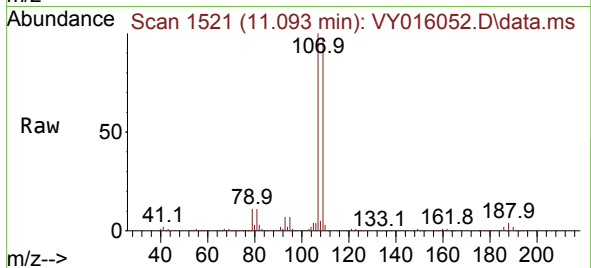
Tgt Ion: 129 Resp: 131150  
Ion Ratio Lower Upper  
129 100  
127 76.8 38.5 115.5



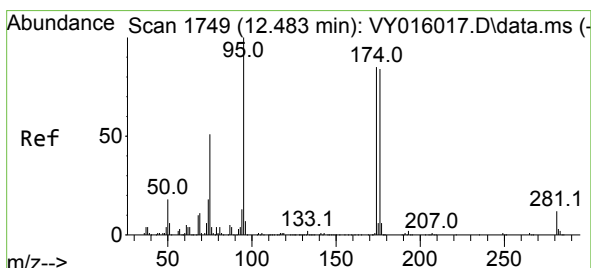
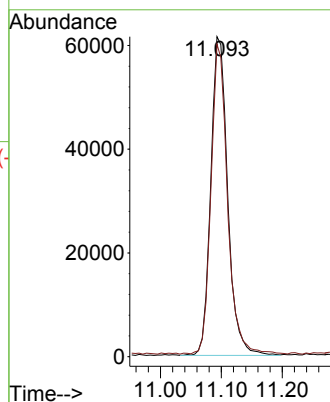
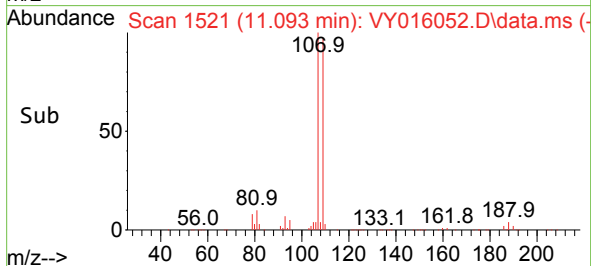


#61  
1,2-Dibromoethane  
Concen: 55.837 ug/l  
RT: 11.093 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY016052.D  
Acq: 19 Oct 2023 21:03

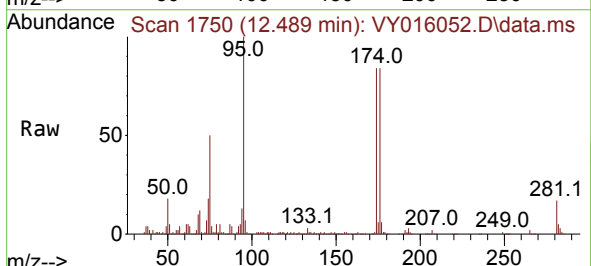
Instrument :  
MSVOA\_Y  
ClientSampleId :



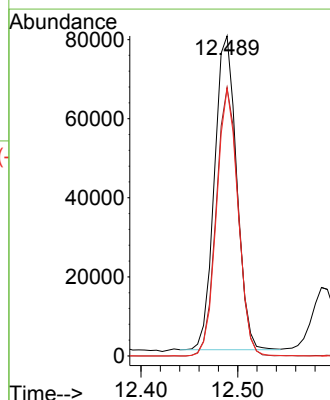
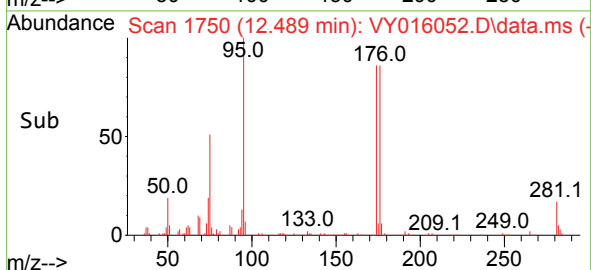
Tgt Ion:107 Resp: 118705  
Ion Ratio Lower Upper  
107 100  
109 94.7 75.6 113.4

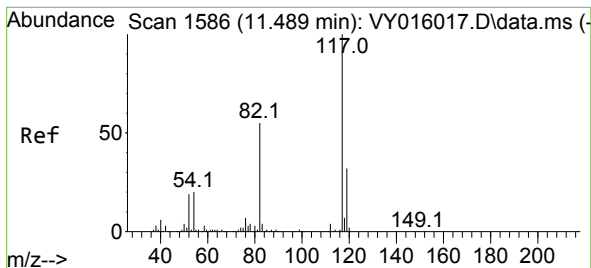


#62  
4-Bromofluorobenzene  
Concen: 45.153 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. 0.006 min  
Lab File: VY016052.D  
Acq: 19 Oct 2023 21:03



Tgt Ion: 95 Resp: 126289  
Ion Ratio Lower Upper  
95 100  
174 84.7 0.0 178.2  
176 82.5 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.495 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY016052.D

Acq: 19 Oct 2023 21:03

Instrument :

MSVOA\_Y

ClientSampleId :

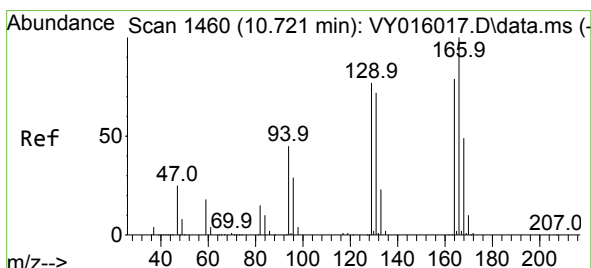
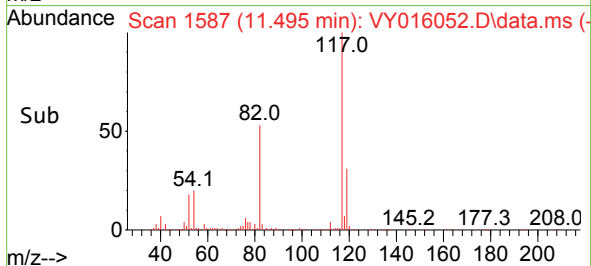
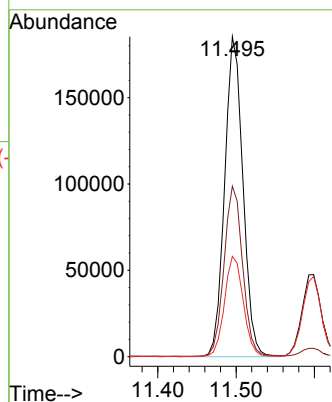
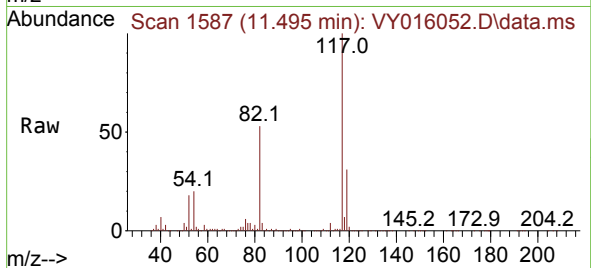
Tgt Ion:117 Resp: 300767

Ion Ratio Lower Upper

117 100

82 53.1 43.4 65.0

119 31.3 26.3 39.5



#64

Tetrachloroethene

Concen: 55.650 ug/l

RT: 10.727 min Scan# 1461

Delta R.T. 0.006 min

Lab File: VY016052.D

Acq: 19 Oct 2023 21:03

Tgt Ion:164 Resp: 129787

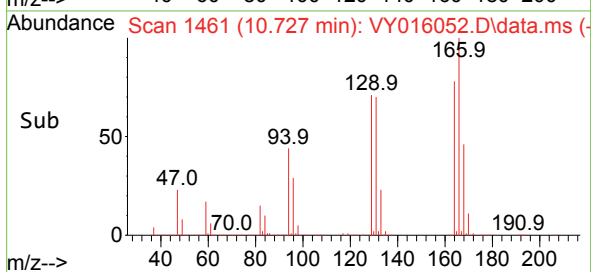
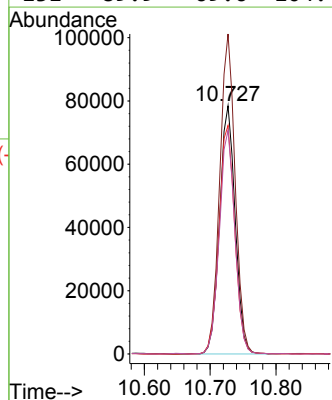
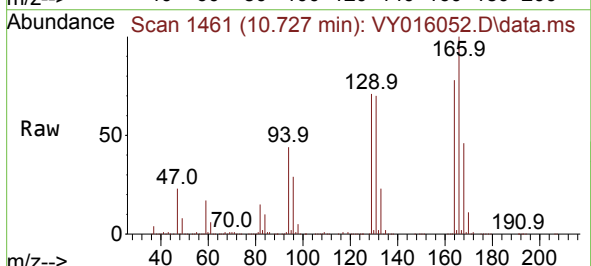
Ion Ratio Lower Upper

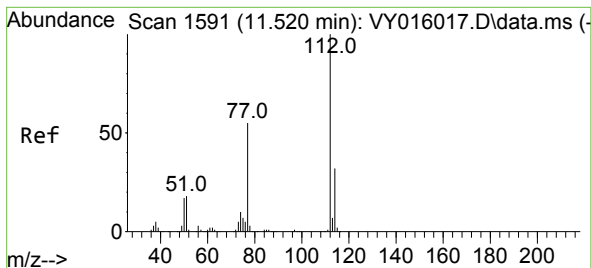
164 100

166 128.8 103.0 154.6

129 92.0 77.2 115.8

131 89.9 69.6 104.4





#65

Chlorobenzene

Concen: 48.589 ug/l

RT: 11.520 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY016052.D

Acq: 19 Oct 2023 21:03

Instrument :

MSVOA\_Y

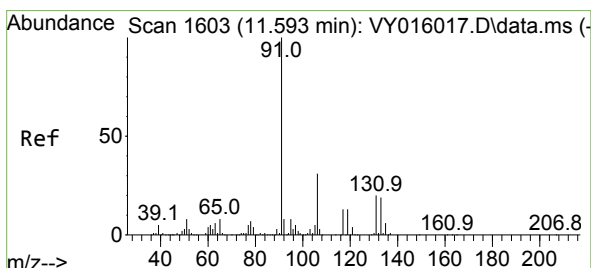
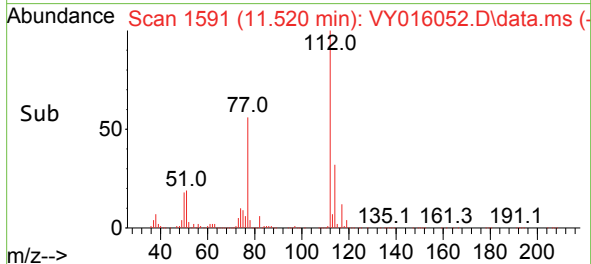
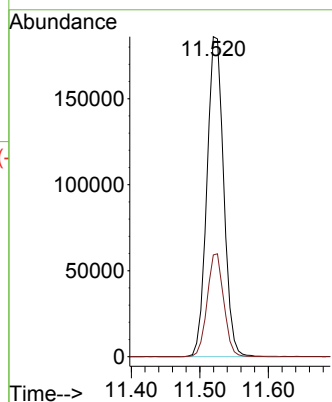
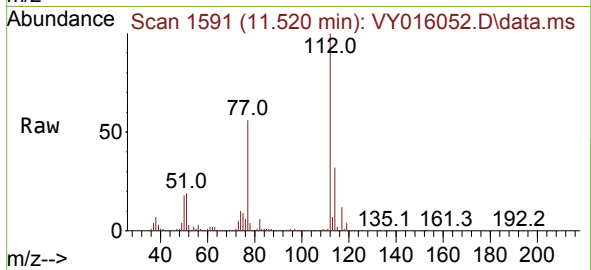
ClientSampleId :

Tgt Ion:112 Resp: 316494

Ion Ratio Lower Upper

112 100

114 31.8 25.5 38.3



#66

1,1,1,2-Tetrachloroethane

Concen: 49.215 ug/l

RT: 11.599 min Scan# 1604

Delta R.T. 0.006 min

Lab File: VY016052.D

Acq: 19 Oct 2023 21:03

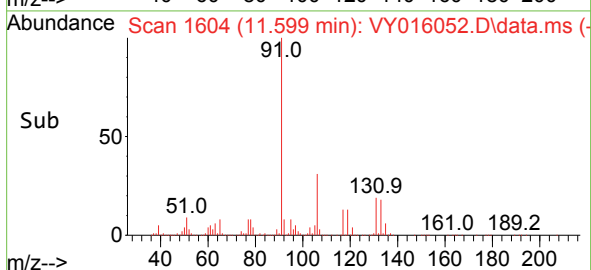
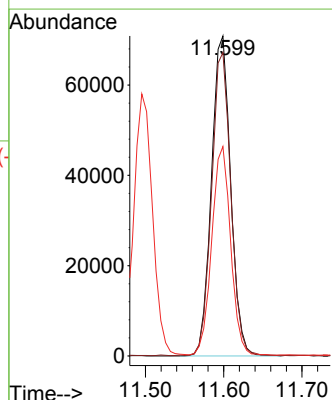
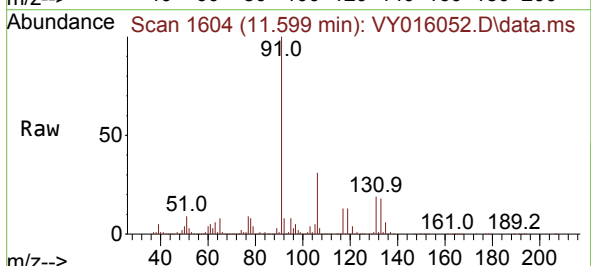
Tgt Ion:131 Resp: 120830

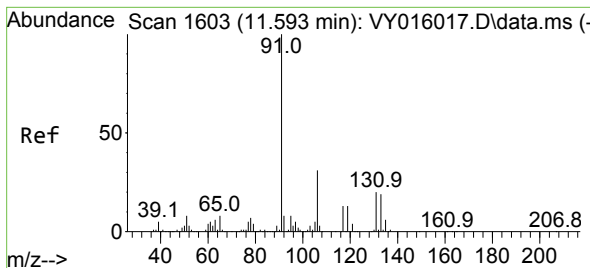
Ion Ratio Lower Upper

131 100

133 94.6 47.5 142.6

119 64.1 31.6 94.7





#67

Ethyl Benzene

Concen: 48.858 ug/l

RT: 11.599 min Scan# 1604

Delta R.T. 0.006 min

Lab File: VY016052.D

Acq: 19 Oct 2023 21:03

Instrument :

MSVOA\_Y

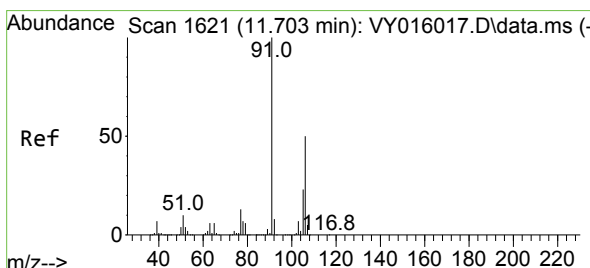
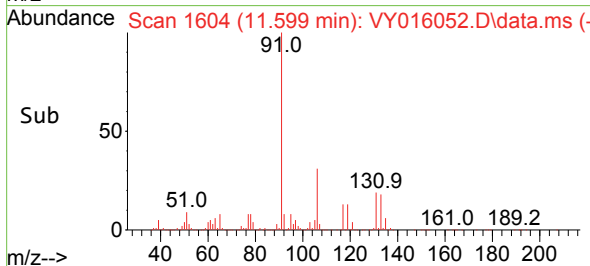
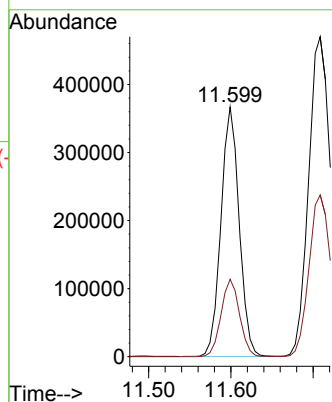
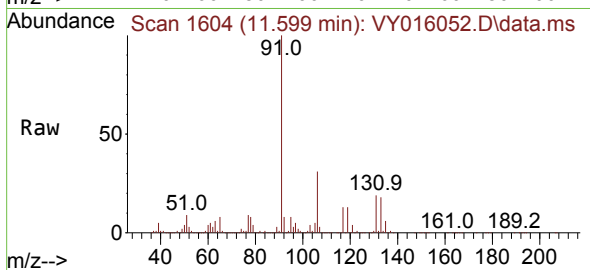
ClientSampleId :

Tgt Ion: 91 Resp: 563145

Ion Ratio Lower Upper

91 100

106 31.0 24.6 36.8



#68

m/p-Xylenes

Concen: 97.134 ug/l

RT: 11.709 min Scan# 1622

Delta R.T. 0.006 min

Lab File: VY016052.D

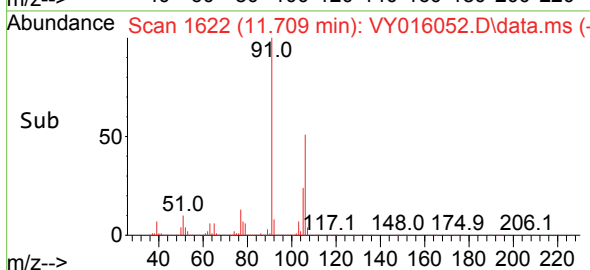
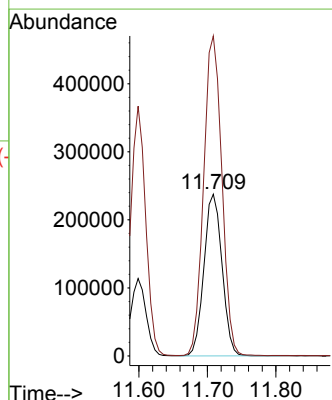
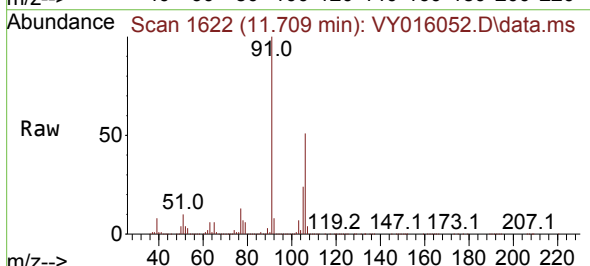
Acq: 19 Oct 2023 21:03

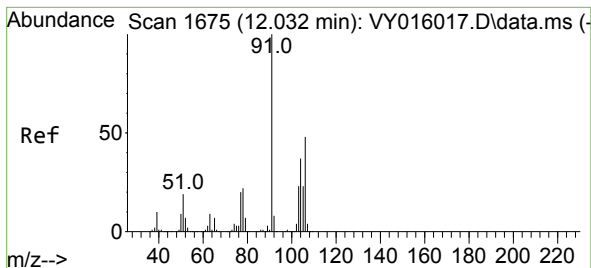
Tgt Ion:106 Resp: 436579

Ion Ratio Lower Upper

106 100

91 198.6 166.1 249.1





#69

o-Xylene

Concen: 49.554 ug/l

RT: 12.038 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY016052.D

Acq: 19 Oct 2023 21:03

Instrument :

MSVOA\_Y

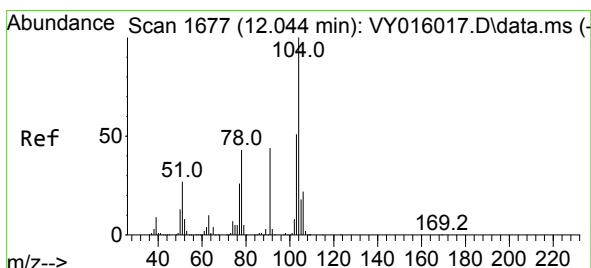
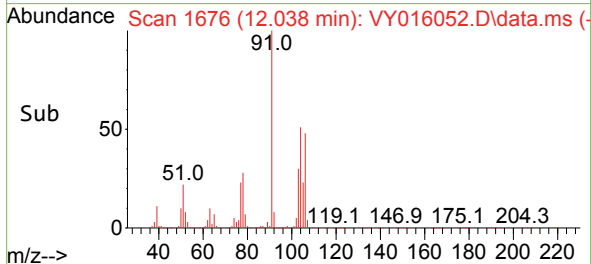
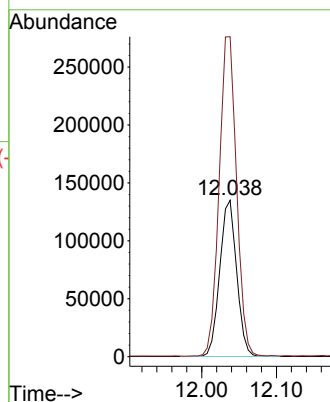
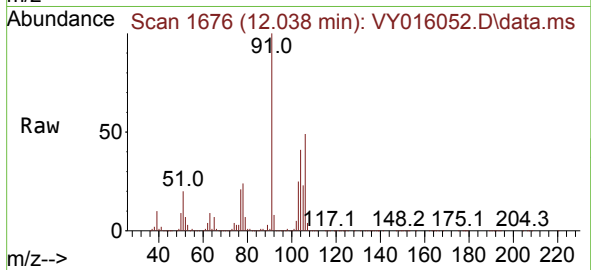
ClientSampleId :

Tgt Ion:106 Resp: 211886

Ion Ratio Lower Upper

106 100

91 210.3 108.1 324.3



#70

Styrene

Concen: 49.814 ug/l

RT: 12.050 min Scan# 1678

Delta R.T. 0.006 min

Lab File: VY016052.D

Acq: 19 Oct 2023 21:03

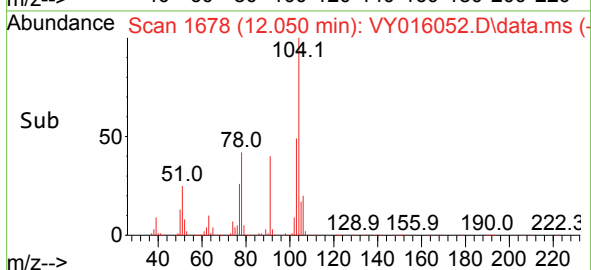
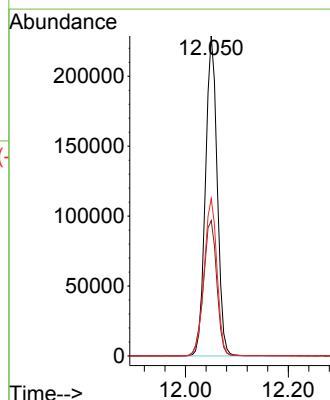
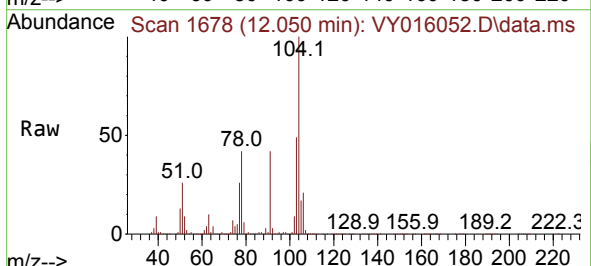
Tgt Ion:104 Resp: 363026

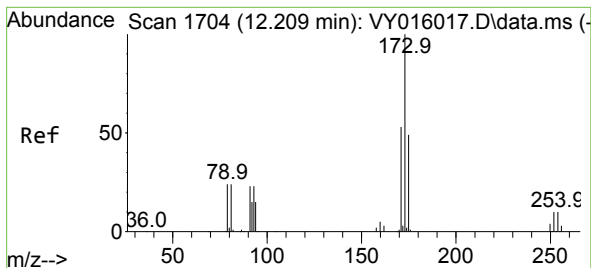
Ion Ratio Lower Upper

104 100

78 47.8 41.5 62.3

103 53.7 44.6 67.0





#71

Bromoform

Concen: 57.463 ug/l

RT: 12.215 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY016052.D

Acq: 19 Oct 2023 21:03

Instrument :

MSVOA\_Y

ClientSampleId :

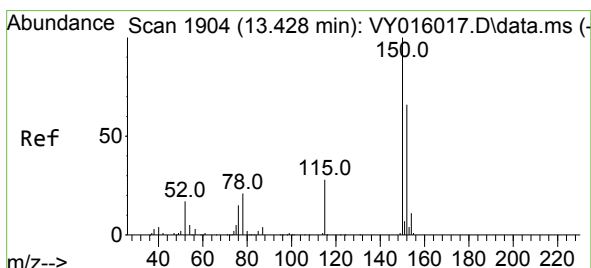
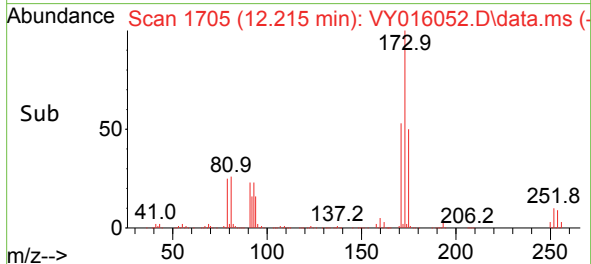
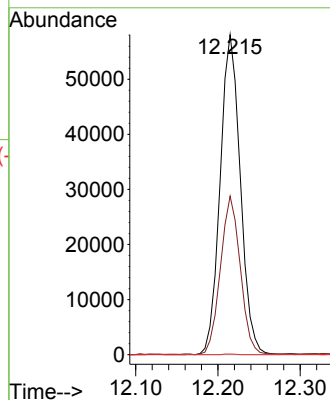
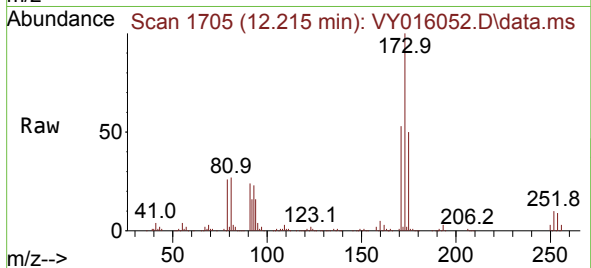
Tgt Ion:173 Resp: 99270

Ion Ratio Lower Upper

173 100

175 48.9 24.6 73.8

254 0.1 0.2 0.2#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. 0.006 min

Lab File: VY016052.D

Acq: 19 Oct 2023 21:03

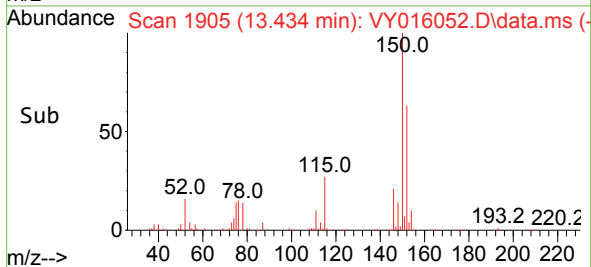
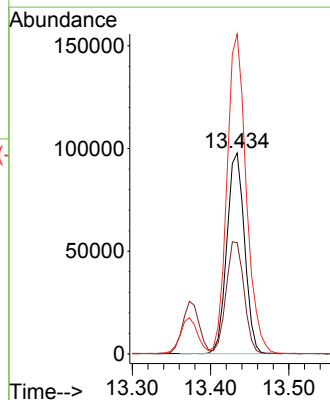
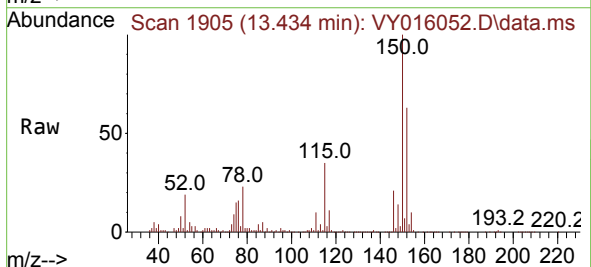
Tgt Ion:152 Resp: 153529

Ion Ratio Lower Upper

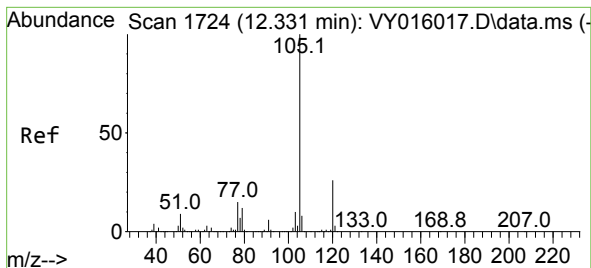
152 100

115 56.4 28.8 86.5

150 172.9 0.0 348.8







#73

Isopropylbenzene

Concen: 48.040 ug/l

RT: 12.337 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY016052.D

Acq: 19 Oct 2023 21:03

Instrument :

MSVOA\_Y

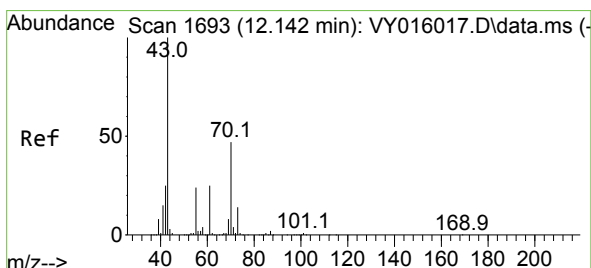
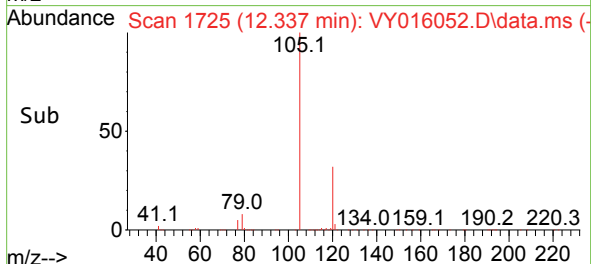
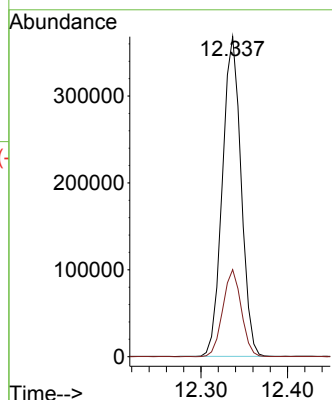
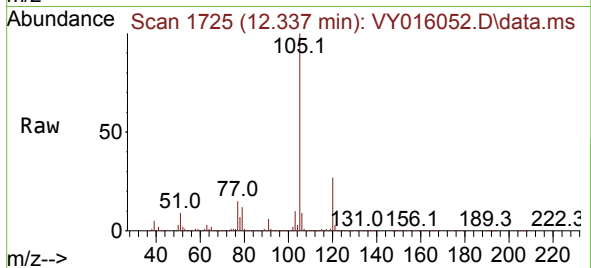
ClientSampleId :

Tgt Ion:105 Resp: 551711

Ion Ratio Lower Upper

105 100

120 26.9 13.3 39.9



#74

N-ethyl acetate

Concen: 60.363 ug/l

RT: 12.148 min Scan# 1694

Delta R.T. 0.006 min

Lab File: VY016052.D

Acq: 19 Oct 2023 21:03

Tgt Ion: 43 Resp: 218963

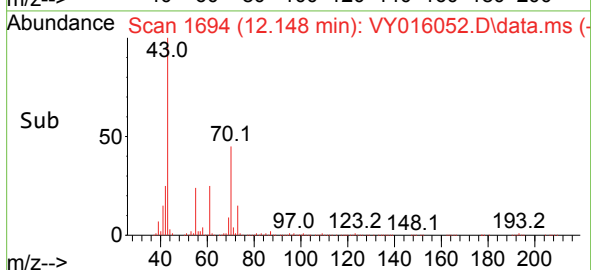
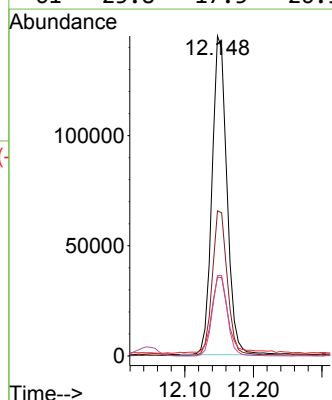
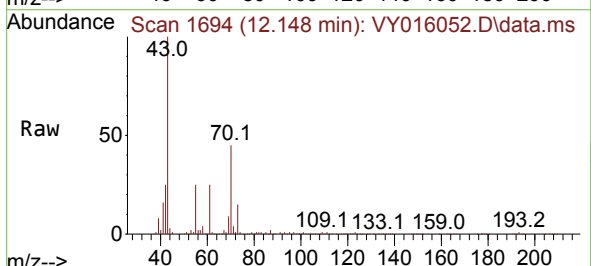
Ion Ratio Lower Upper

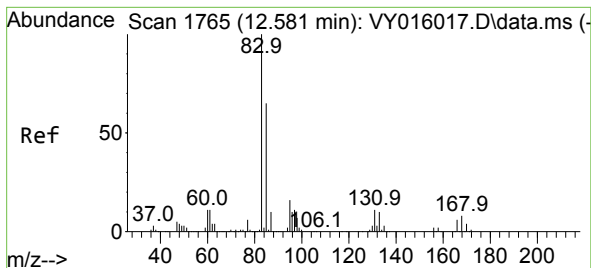
43 100

70 45.9 29.7 44.5#

55 28.3 18.3 27.5#

61 25.8 17.5 26.3





#75

1,1,2,2-Tetrachloroethane

Concen: 55.471 ug/l

RT: 12.587 min Scan# 1765

Delta R.T. 0.006 min

Lab File: VY016052.D

Acq: 19 Oct 2023 21:03

Instrument :

MSVOA\_Y

ClientSampleId :

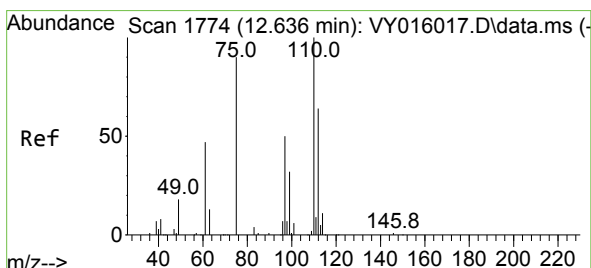
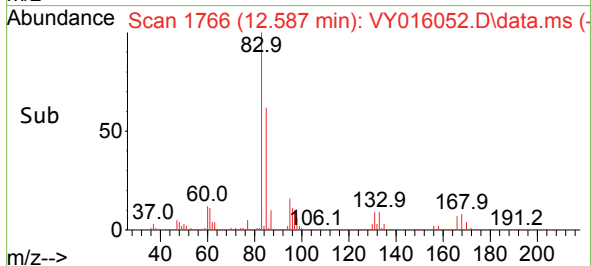
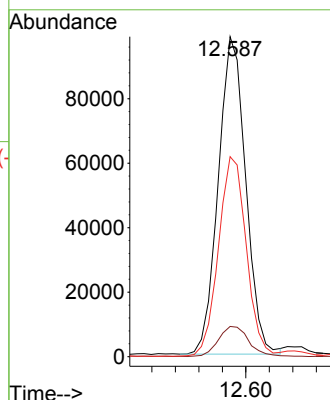
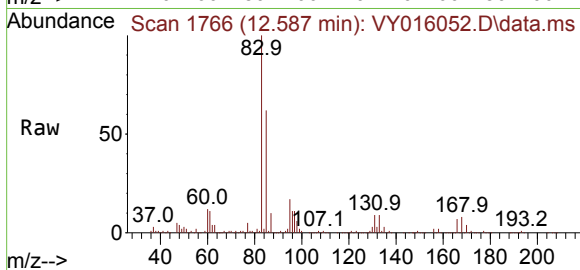
Tgt Ion: 83 Resp: 159557

Ion Ratio Lower Upper

83 100

131 10.5 5.4 16.2

85 64.0 31.8 95.4



#76

1,2,3-Trichloropropane

Concen: 104.934 ug/l

RT: 12.635 min Scan# 1774

Delta R.T. -0.000 min

Lab File: VY016052.D

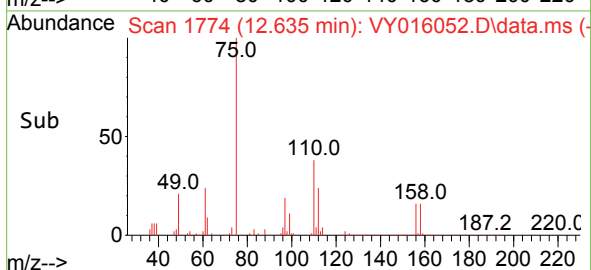
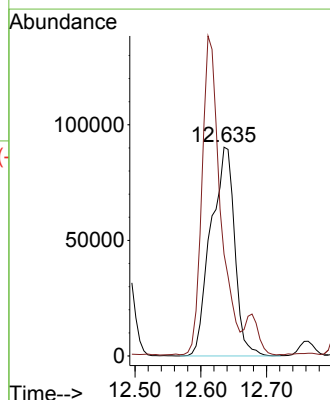
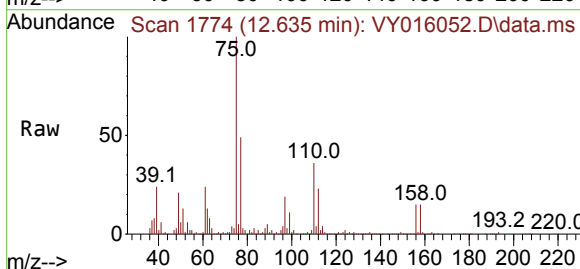
Acq: 19 Oct 2023 21:03

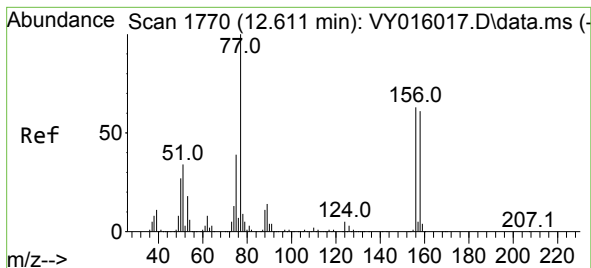
Tgt Ion: 75 Resp: 228107

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 49.036 ug/l

RT: 12.617 min Scan# 1770

Delta R.T. 0.006 min

Lab File: VY016052.D

Acq: 19 Oct 2023 21:03

Instrument :

MSVOA\_Y

ClientSampleId :

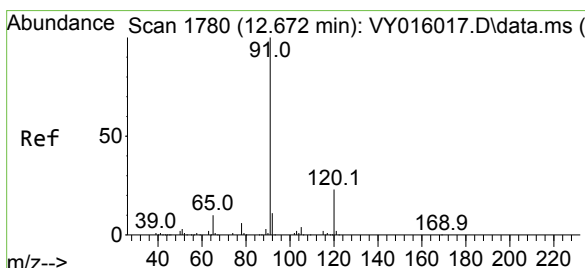
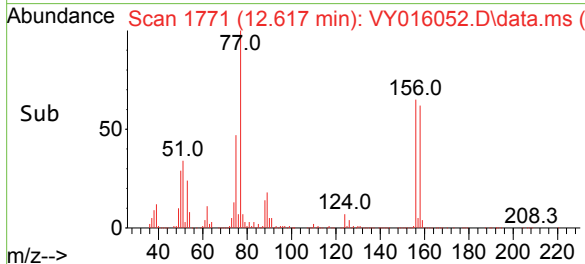
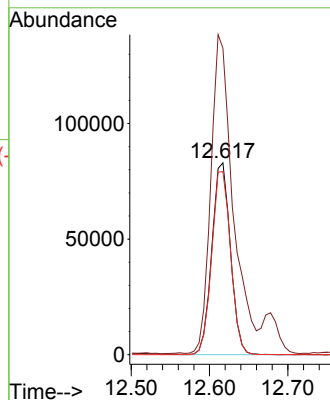
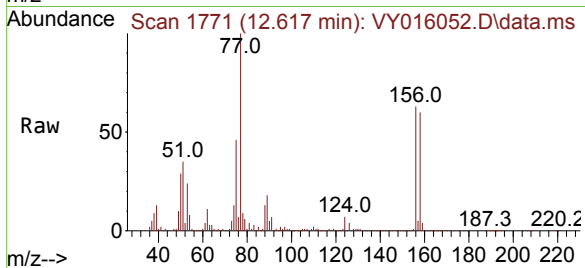
Tgt Ion:156 Resp: 136690

Ion Ratio Lower Upper

156 100

77 197.3 92.8 278.6

158 97.1 48.4 145.3



#78

n-propylbenzene

Concen: 47.735 ug/l

RT: 12.678 min Scan# 1781

Delta R.T. 0.006 min

Lab File: VY016052.D

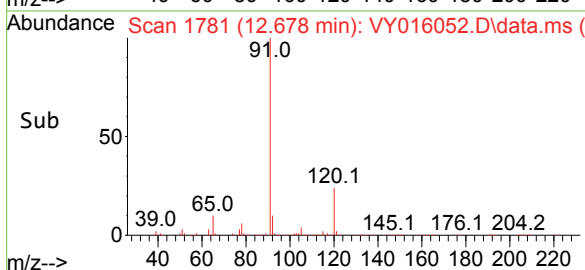
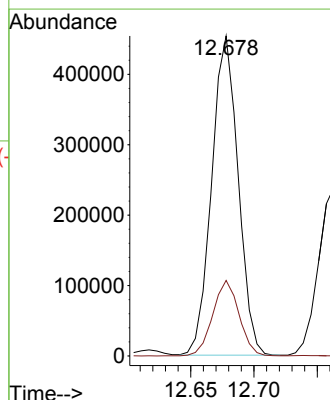
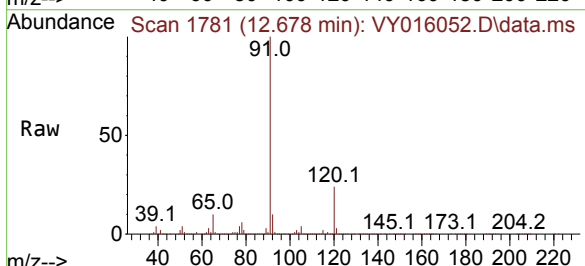
Acq: 19 Oct 2023 21:03

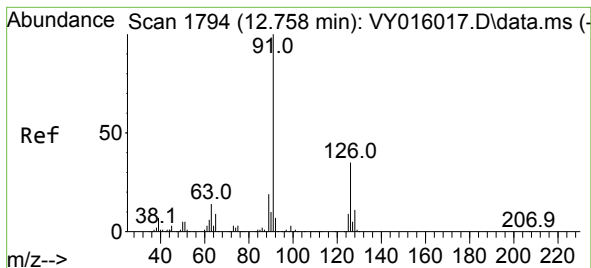
Tgt Ion: 91 Resp: 660305

Ion Ratio Lower Upper

91 100

120 23.4 11.5 34.4





#79

2-Chlorotoluene

Concen: 48.065 ug/l

RT: 12.763 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY016052.D

Acq: 19 Oct 2023 21:03

Instrument :

MSVOA\_Y

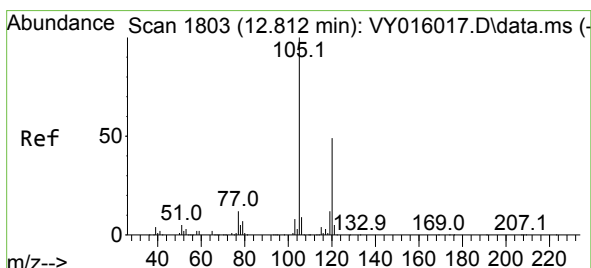
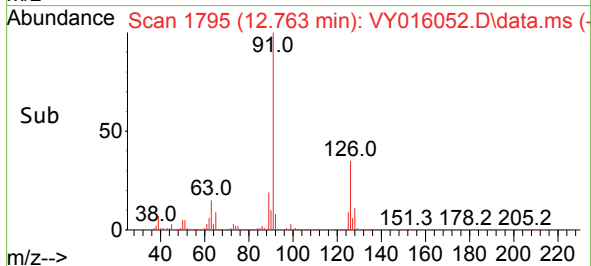
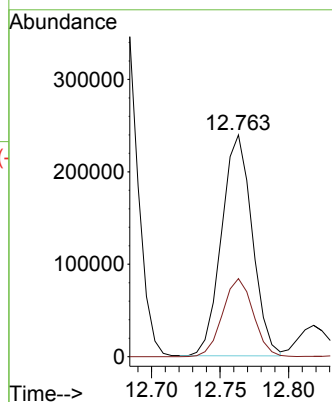
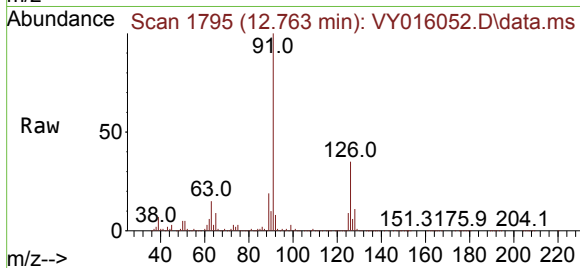
ClientSampleId :

Tgt Ion: 91 Resp: 373192

Ion Ratio Lower Upper

91 100

126 35.4 17.3 51.7



#80

1,3,5-Trimethylbenzene

Concen: 48.056 ug/l

RT: 12.818 min Scan# 1804

Delta R.T. 0.006 min

Lab File: VY016052.D

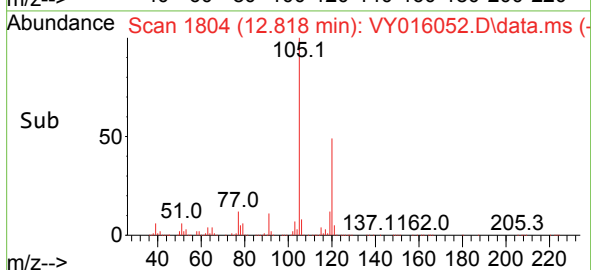
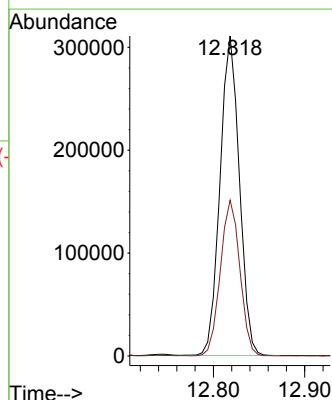
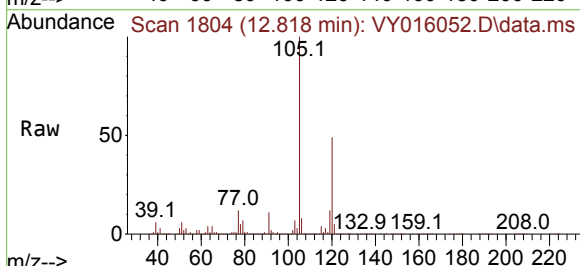
Acq: 19 Oct 2023 21:03

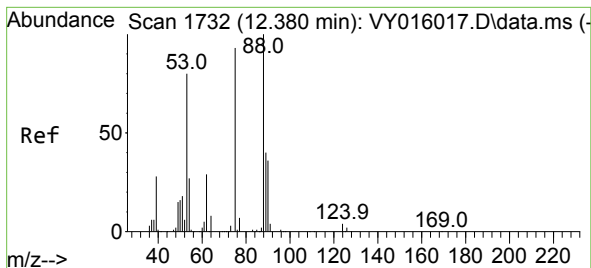
Tgt Ion:105 Resp: 457140

Ion Ratio Lower Upper

105 100

120 49.2 23.9 71.7

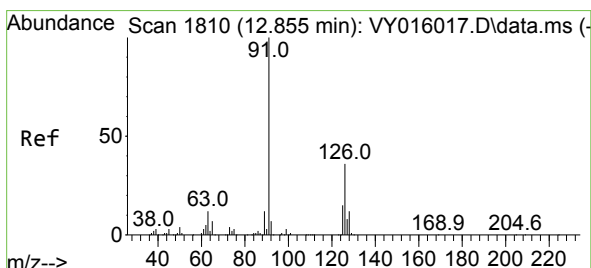
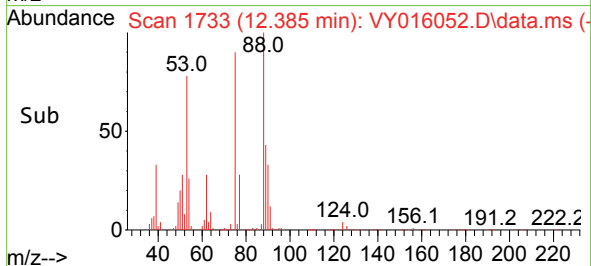
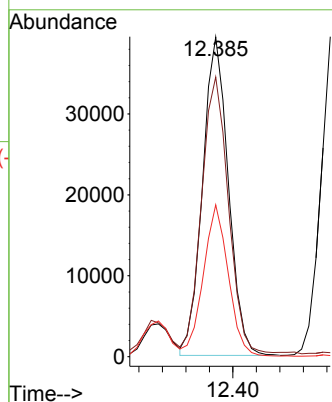
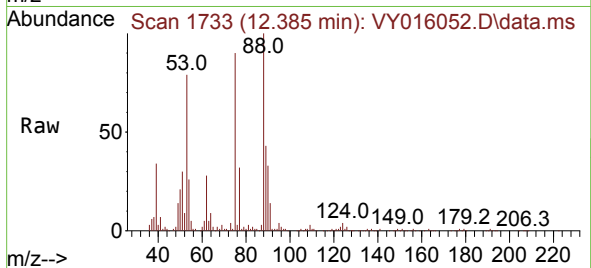




#81  
trans-1,4-Dichloro-2-butene  
Concen: 60.166 ug/l  
RT: 12.385 min Scan# 1733  
Delta R.T. 0.006 min  
Lab File: VY016052.D  
Acq: 19 Oct 2023 21:03

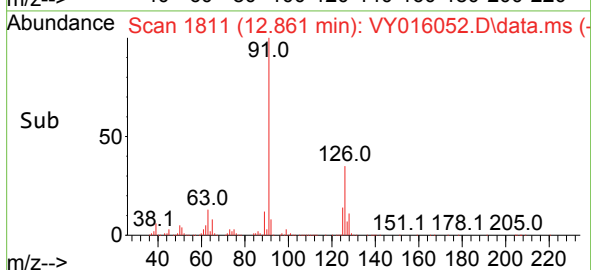
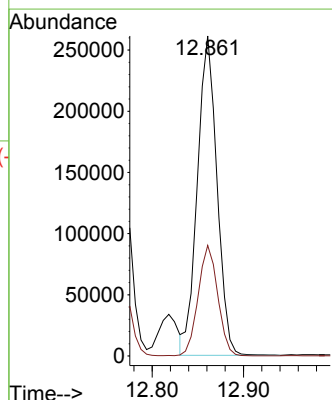
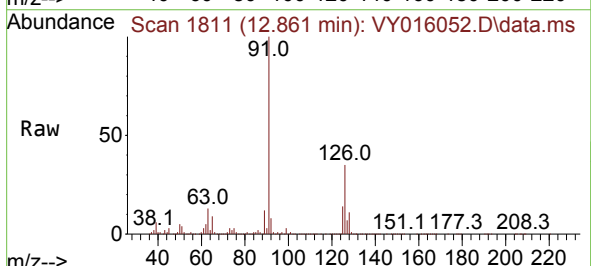
Instrument :  
MSVOA\_Y  
ClientSampleId :

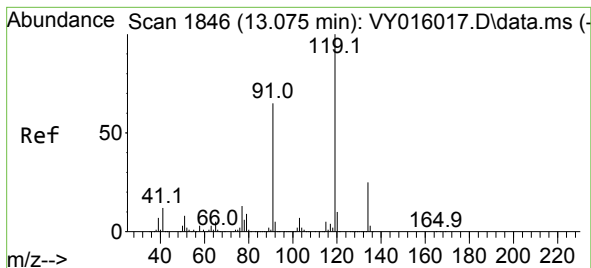
Tgt Ion: 75 Resp: 59915  
Ion Ratio Lower Upper  
75 100  
53 90.8 77.8 116.8  
89 46.5 37.4 56.0



#82  
4-Chlorotoluene  
Concen: 48.045 ug/l  
RT: 12.861 min Scan# 1811  
Delta R.T. 0.006 min  
Lab File: VY016052.D  
Acq: 19 Oct 2023 21:03

Tgt Ion: 91 Resp: 389325  
Ion Ratio Lower Upper  
91 100  
126 34.5 17.2 51.6





#83

tert-Butylbenzene

Concen: 48.053 ug/l

RT: 13.080 min Scan# 1847

Delta R.T. 0.006 min

Lab File: VY016052.D

Acq: 19 Oct 2023 21:03

Instrument :

MSVOA\_Y

ClientSampleId :

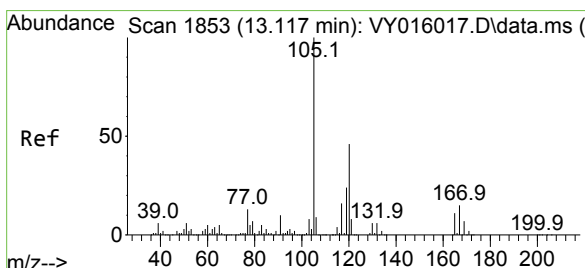
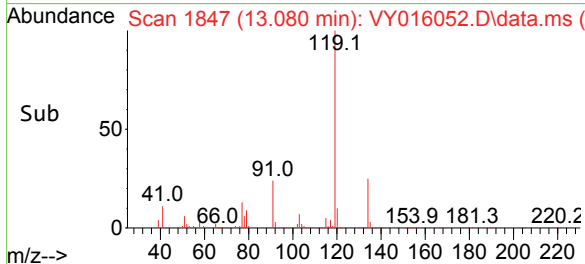
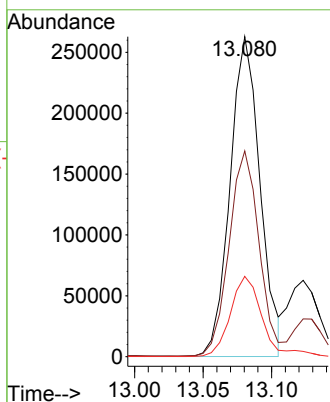
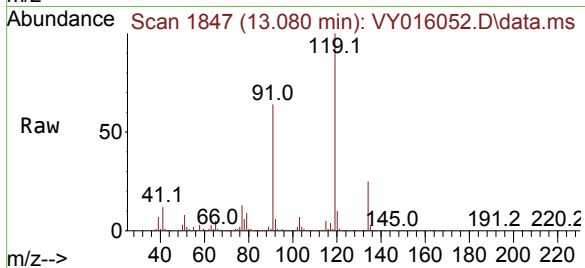
Tgt Ion:119 Resp: 400823

Ion Ratio Lower Upper

119 100

91 63.7 32.9 98.6

134 26.6 13.0 38.9



#84

1,2,4-Trimethylbenzene

Concen: 48.426 ug/l

RT: 13.129 min Scan# 1855

Delta R.T. 0.012 min

Lab File: VY016052.D

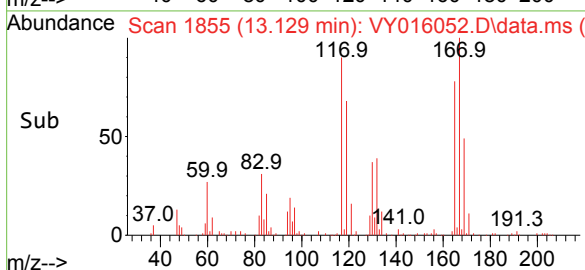
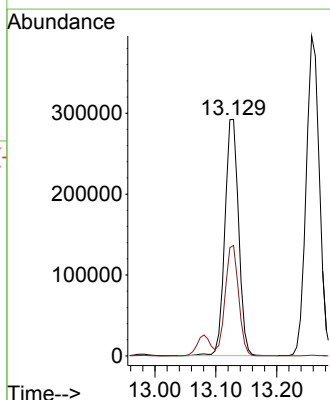
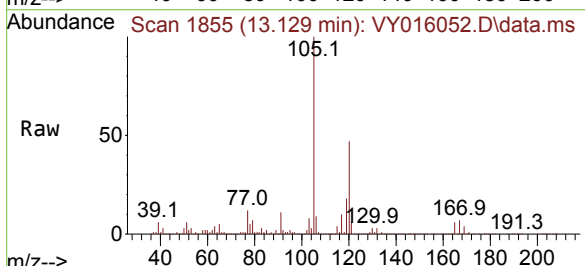
Acq: 19 Oct 2023 21:03

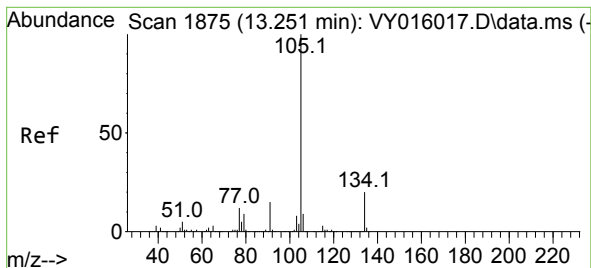
Tgt Ion:105 Resp: 457450

Ion Ratio Lower Upper

105 100

120 45.5 22.2 66.6





#85

sec-Butylbenzene

Concen: 47.782 ug/l

RT: 13.257 min Scan# 1875

Delta R.T. 0.006 min

Lab File: VY016052.D

Acq: 19 Oct 2023 21:03

Instrument :

MSVOA\_Y

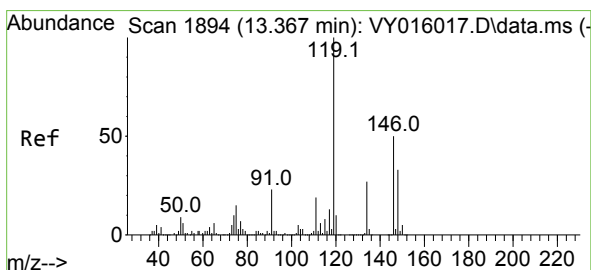
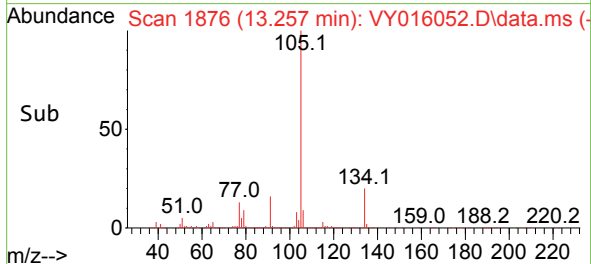
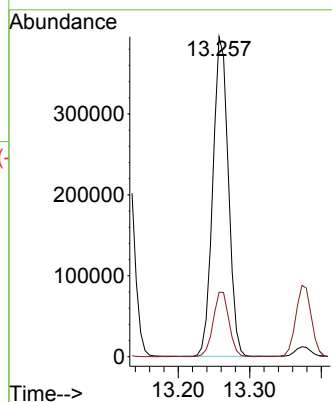
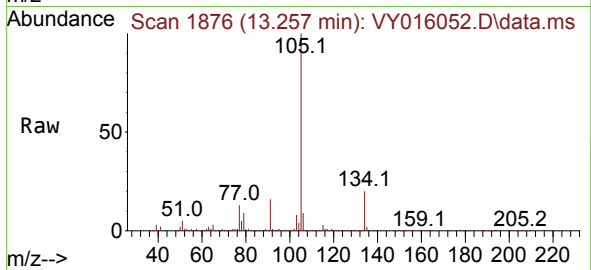
ClientSampleId :

Tgt Ion:105 Resp: 595259

Ion Ratio Lower Upper

105 100

134 20.6 10.2 30.6



#86

p-Isopropyltoluene

Concen: 47.510 ug/l

RT: 13.373 min Scan# 1895

Delta R.T. 0.006 min

Lab File: VY016052.D

Acq: 19 Oct 2023 21:03

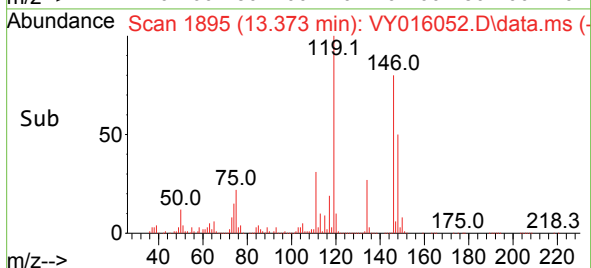
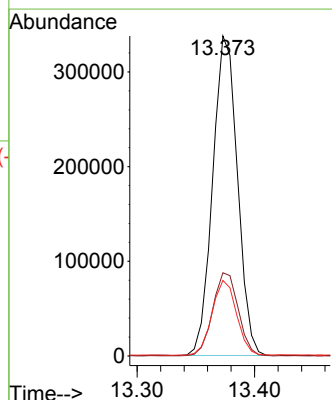
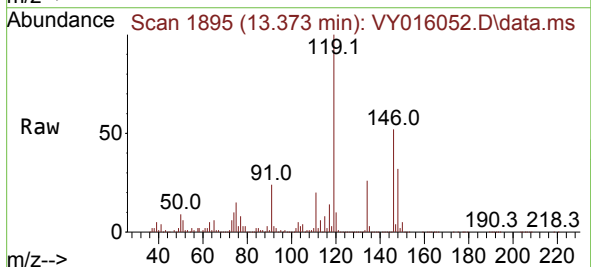
Tgt Ion:119 Resp: 494615

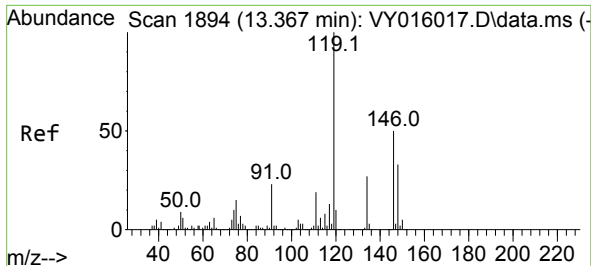
Ion Ratio Lower Upper

119 100

134 26.8 13.3 39.8

91 23.4 12.4 37.4

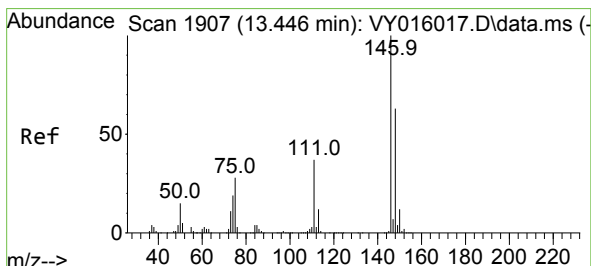
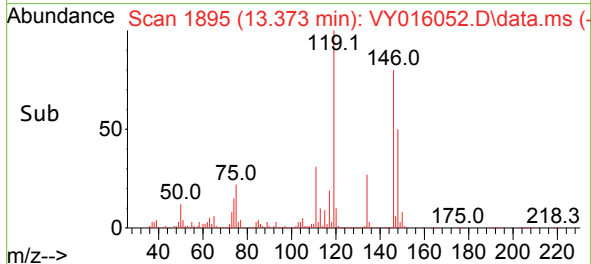
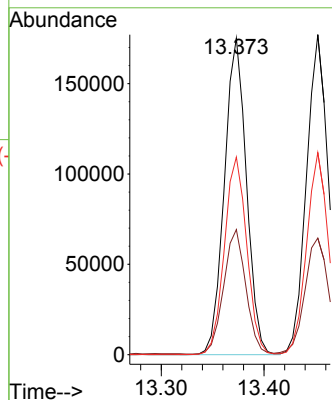
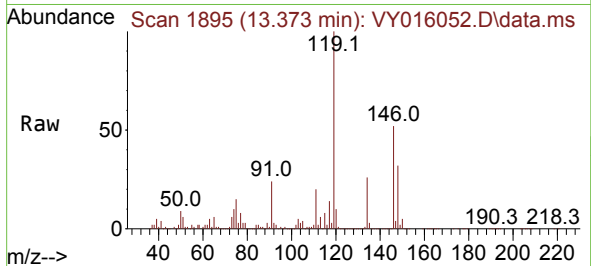




#87  
1,3-Dichlorobenzene  
Concen: 48.202 ug/l  
RT: 13.373 min Scan# 1895  
Delta R.T. 0.006 min  
Lab File: VY016052.D  
Acq: 19 Oct 2023 21:03

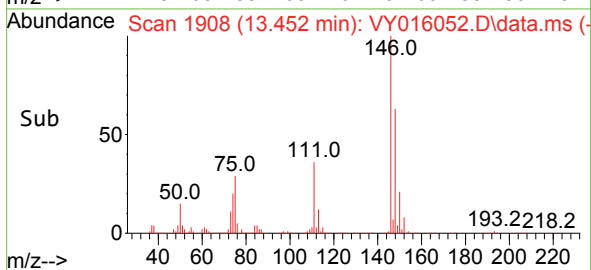
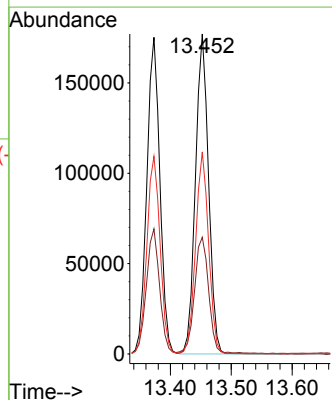
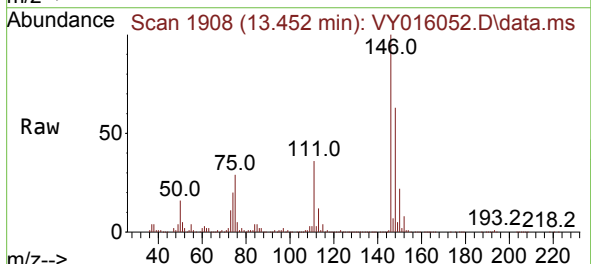
Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion:146 Resp: 261427  
Ion Ratio Lower Upper  
146 100  
111 39.4 19.4 58.2  
148 63.1 31.9 95.5

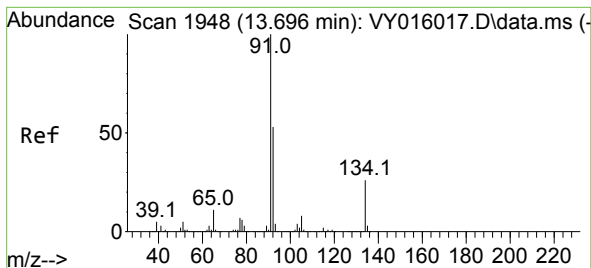


#88  
1,4-Dichlorobenzene  
Concen: 48.241 ug/l  
RT: 13.452 min Scan# 1908  
Delta R.T. 0.006 min  
Lab File: VY016052.D  
Acq: 19 Oct 2023 21:03

Tgt Ion:146 Resp: 263432  
Ion Ratio Lower Upper  
146 100  
111 38.5 18.9 56.7  
148 62.8 32.1 96.5







#89

n-Butylbenzene

Concen: 47.818 ug/l

RT: 13.702 min Scan# 1949

Delta R.T. 0.006 min

Lab File: VY016052.D

Acq: 19 Oct 2023 21:03

Instrument :

MSVOA\_Y

ClientSampleId :

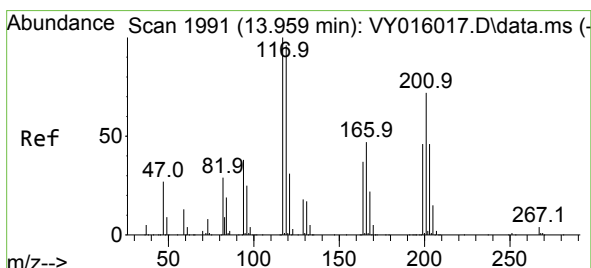
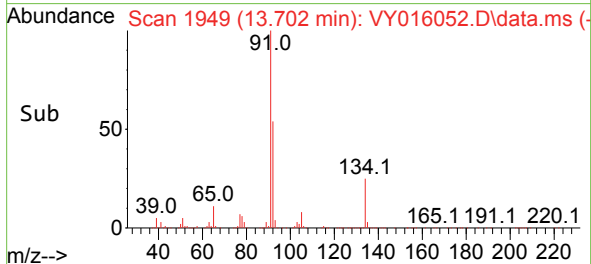
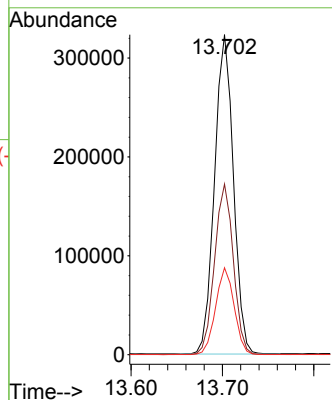
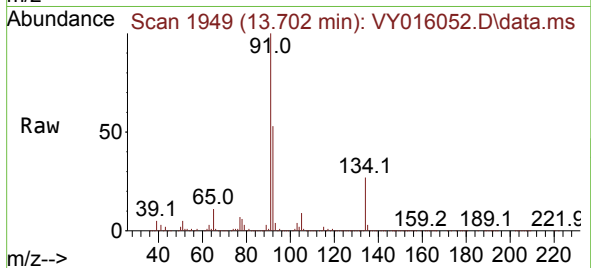
Tgt Ion: 91 Resp: 463443

Ion Ratio Lower Upper

91 100

92 53.0 25.4 76.0

134 26.8 12.6 37.6



#90

Hexachloroethane

Concen: 47.170 ug/l

RT: 13.964 min Scan# 1992

Delta R.T. 0.006 min

Lab File: VY016052.D

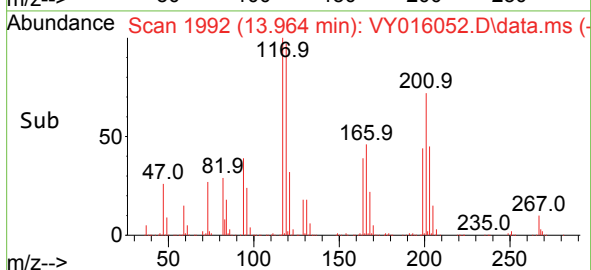
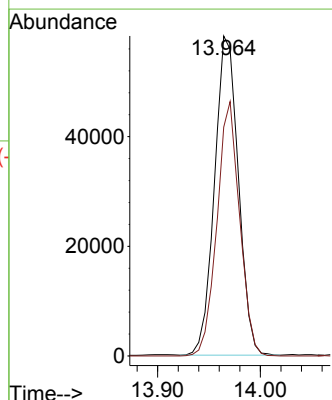
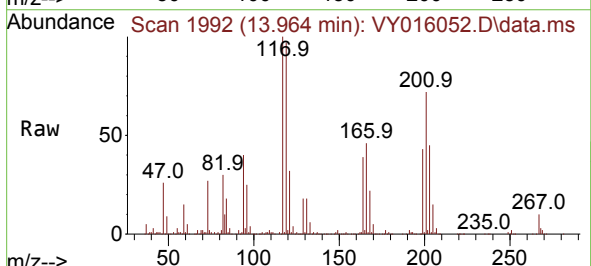
Acq: 19 Oct 2023 21:03

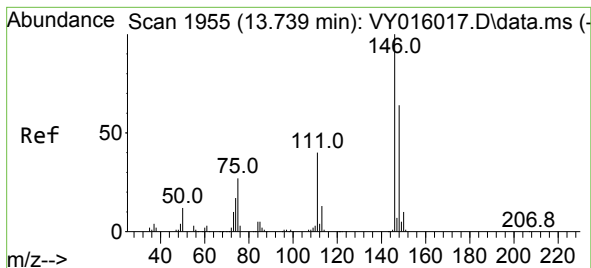
Tgt Ion: 117 Resp: 93613

Ion Ratio Lower Upper

117 100

201 75.8 41.6 124.8





#91

1,2-Dichlorobenzene

Concen: 49.541 ug/l

RT: 13.745 min Scan# 1955

Delta R.T. 0.006 min

Lab File: VY016052.D

Acq: 19 Oct 2023 21:03

Instrument :

MSVOA\_Y

ClientSampleId :

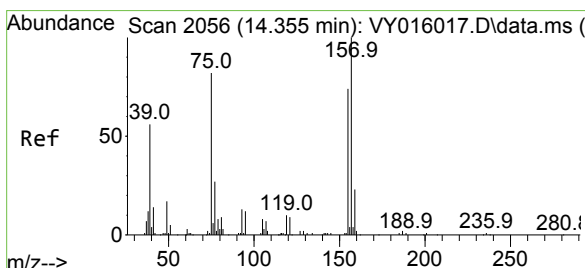
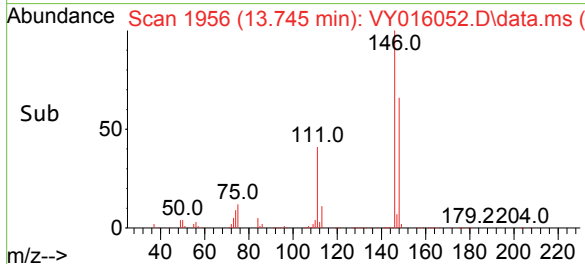
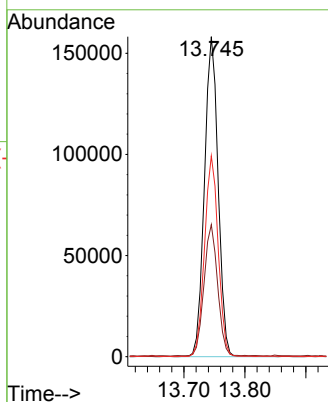
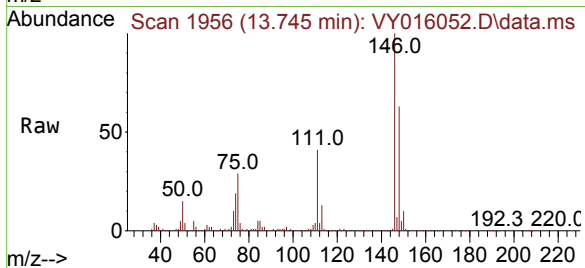
Tgt Ion:146 Resp: 246696

Ion Ratio Lower Upper

146 100

111 41.1 19.7 59.0

148 62.4 32.0 96.2



#92

1,2-Dibromo-3-Chloropropane

Concen: 80.102 ug/l

RT: 14.361 min Scan# 2057

Delta R.T. 0.006 min

Lab File: VY016052.D

Acq: 19 Oct 2023 21:03

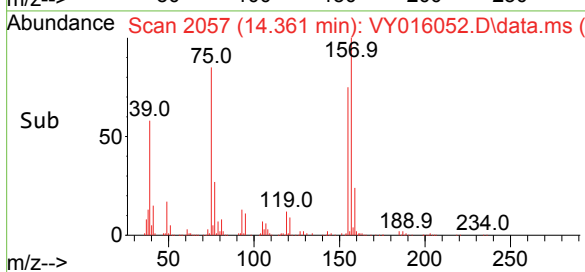
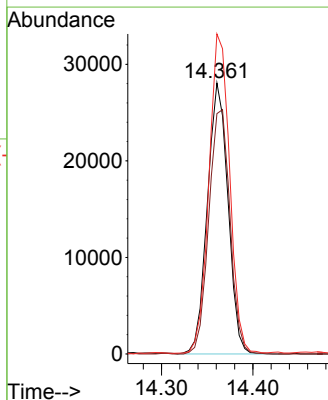
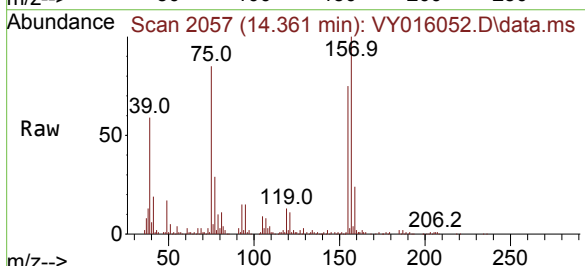
Tgt Ion: 75 Resp: 43859

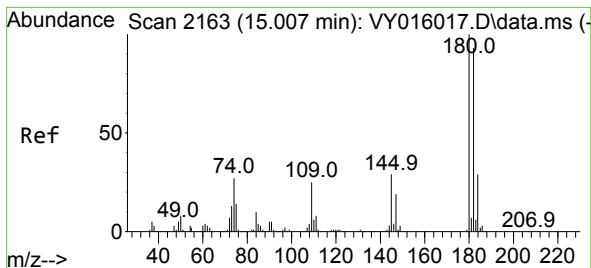
Ion Ratio Lower Upper

75 100

155 92.7 41.5 124.6

157 118.5 51.8 155.5





#93

1,2,4-Trichlorobenzene

Concen: 48.561 ug/l

RT: 15.013 min Scan# 2163

Delta R.T. 0.006 min

Lab File: VY016052.D

Acq: 19 Oct 2023 21:03

Instrument :

MSVOA\_Y

ClientSampleId :

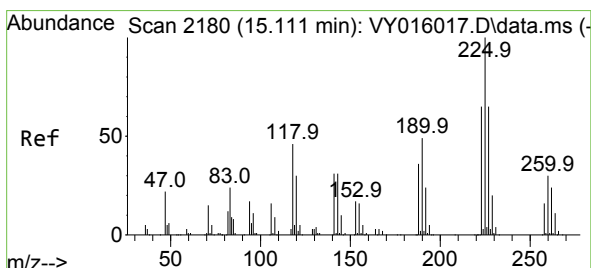
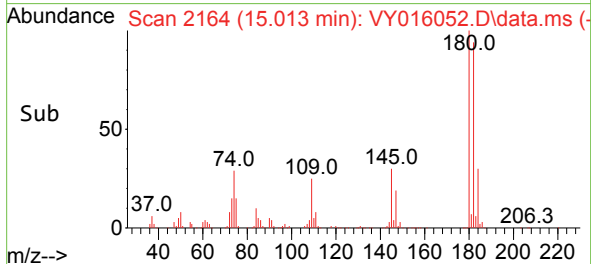
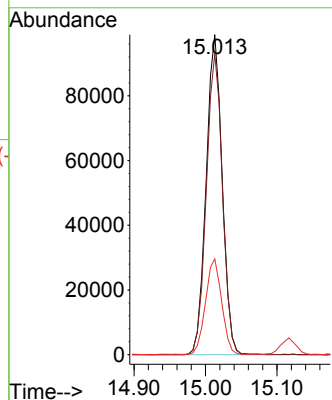
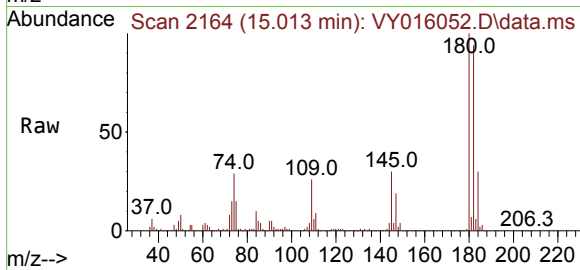
Tgt Ion:180 Resp: 154049

Ion Ratio Lower Upper

180 100

182 94.5 47.0 141.2

145 30.1 14.5 43.5



#94

Hexachlorobutadiene

Concen: 44.459 ug/l

RT: 15.117 min Scan# 2181

Delta R.T. 0.006 min

Lab File: VY016052.D

Acq: 19 Oct 2023 21:03

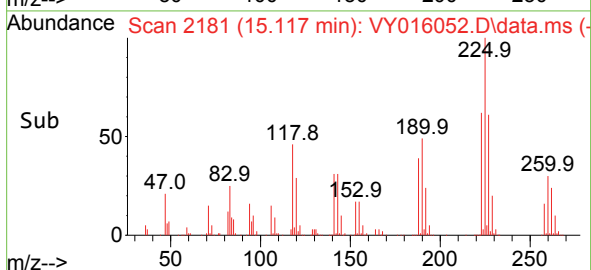
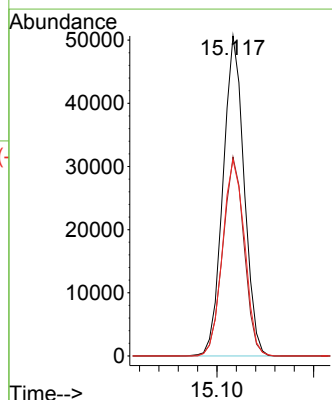
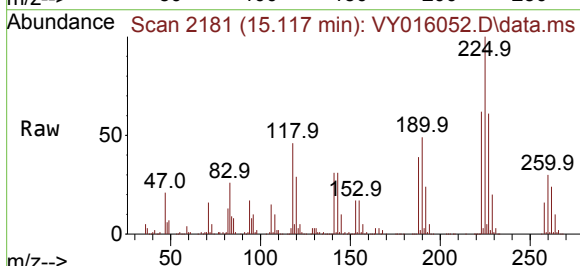
Tgt Ion:225 Resp: 76604

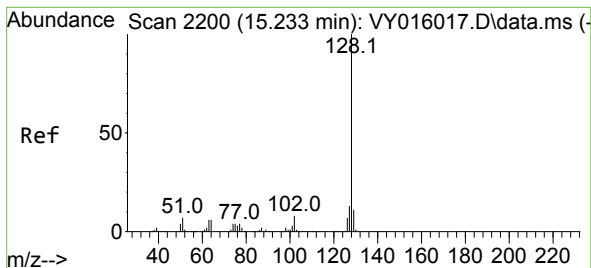
Ion Ratio Lower Upper

225 100

223 62.6 31.9 95.9

227 64.2 33.0 98.9





#95

Naphthalene

Concen: 66.285 ug/l

RT: 15.245 min Scan# 21

Delta R.T. 0.012 min

Lab File: VY016052.D

Acq: 19 Oct 2023 21:03

Instrument :

MSVOA\_Y

ClientSampleId :

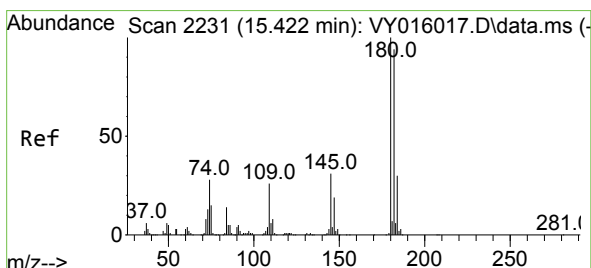
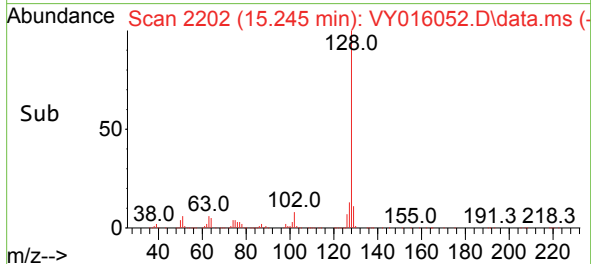
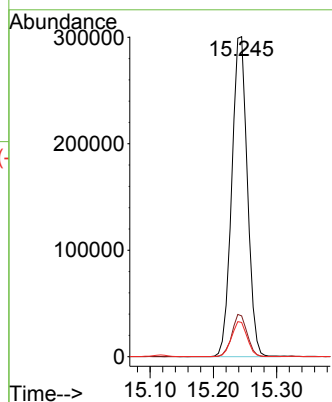
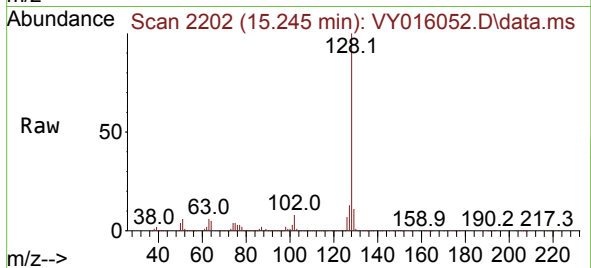
Tgt Ion:128 Resp: 516099

Ion Ratio Lower Upper

128 100

127 12.9 10.8 16.2

129 10.9 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 49.887 ug/l

RT: 15.428 min Scan# 2232

Delta R.T. 0.006 min

Lab File: VY016052.D

Acq: 19 Oct 2023 21:03

Tgt Ion:180 Resp: 144551

Ion Ratio Lower Upper

180 100

182 96.0 47.3 141.8

145 32.9 15.4 46.2

