

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY102623\  
 Data File : VY016093.D  
 Acq On : 26 Oct 2023 21:26  
 Operator : SY/MD  
 Sample : VSTDC0050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDC0050EC

Quant Time: Oct 27 08:56:18 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y102623S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 26 13:59:06 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.795  | 168  | 178765   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.697  | 114  | 295225   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.496 | 117  | 275036   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 138425   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 8.149  | 65    | 98591    | 55.464   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 110.920% |      |
| 35) Dibromofluoromethane    | 7.728  | 113   | 99098    | 53.172   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 106.340% |      |
| 50) Toluene-d8              | 10.185 | 98    | 372802   | 54.001   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | = 108.000% |      |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 131849   | 55.677   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | = 111.360% |      |

|                              |       |     |        |         |        |     |
|------------------------------|-------|-----|--------|---------|--------|-----|
| Target Compounds             |       |     |        |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.912 | 85  | 62833  | 50.929  | ug/l   | 99  |
| 3) Chloromethane             | 2.119 | 50  | 80332  | 53.137  | ug/l   | 97  |
| 4) Vinyl Chloride            | 2.260 | 62  | 88496  | 51.240  | ug/l   | 97  |
| 5) Bromomethane              | 2.656 | 94  | 66924  | 52.133  | ug/l   | 100 |
| 6) Chloroethane              | 2.802 | 64  | 60943  | 51.516  | ug/l   | 95  |
| 7) Trichlorofluoromethane    | 3.131 | 101 | 136302 | 49.316  | ug/l   | 99  |
| 8) Diethyl Ether             | 3.540 | 74  | 49864  | 53.828  | ug/l   | 88  |
| 9) 1,1,2-Trichlorotrifluo... | 3.906 | 101 | 80519  | 48.293  | ug/l   | 95  |
| 10) Methyl Iodide            | 4.101 | 142 | 108120 | 50.751  | ug/l   | 97  |
| 11) Tert butyl alcohol       | 4.966 | 59  | 41751  | 212.559 | ug/l # | 80  |
| 12) 1,1-Dichloroethene       | 3.881 | 96  | 75196  | 49.226  | ug/l   | 89  |
| 13) Acrolein                 | 3.741 | 56  | 52368  | 236.535 | ug/l   | 96  |
| 14) Allyl chloride           | 4.491 | 41  | 123237 | 51.609  | ug/l   | 91  |
| 15) Acrylonitrile            | 5.174 | 53  | 130649 | 287.494 | ug/l   | 97  |
| 16) Acetone                  | 3.954 | 43  | 91217  | 189.324 | ug/l   | 90  |
| 17) Carbon Disulfide         | 4.204 | 76  | 208920 | 49.443  | ug/l   | 100 |
| 18) Methyl Acetate           | 4.491 | 43  | 106550 | 62.549  | ug/l # | 91  |
| 19) Methyl tert-butyl Ether  | 5.229 | 73  | 240641 | 55.240  | ug/l   | 99  |
| 20) Methylene Chloride       | 4.723 | 84  | 116279 | 63.574  | ug/l   | 92  |
| 21) trans-1,2-Dichloroethene | 5.229 | 96  | 89720  | 50.669  | ug/l   | 97  |
| 22) Diisopropyl ether        | 6.131 | 45  | 283866 | 54.365  | ug/l   | 89  |
| 23) Vinyl Acetate            | 6.070 | 43  | 733576 | 262.216 | ug/l # | 94  |
| 24) 1,1-Dichloroethane       | 6.027 | 63  | 163240 | 51.892  | ug/l   | 98  |
| 25) 2-Butanone               | 6.990 | 43  | 164783 | 253.408 | ug/l   | 95  |
| 26) 2,2-Dichloropropane      | 6.990 | 77  | 134915 | 46.135  | ug/l   | 96  |
| 27) cis-1,2-Dichloroethene   | 6.997 | 96  | 108995 | 52.414  | ug/l   | 91  |
| 28) Bromochloromethane       | 7.344 | 49  | 72590  | 56.405  | ug/l   | 93  |
| 29) Tetrahydrofuran          | 7.356 | 42  | 110757 | 296.856 | ug/l   | 91  |
| 30) Chloroform               | 7.515 | 83  | 176101 | 52.993  | ug/l   | 96  |
| 31) Cyclohexane              | 7.795 | 56  | 130277 | 46.586  | ug/l   | 90  |
| 32) 1,1,1-Trichloroethane    | 7.710 | 97  | 152341 | 51.109  | ug/l   | 97  |
| 36) 1,1-Dichloropropene      | 7.923 | 75  | 125045 | 48.133  | ug/l   | 99  |
| 37) Ethyl Acetate            | 7.082 | 43  | 72814  | 54.682  | ug/l # | 94  |
| 38) Carbon Tetrachloride     | 7.905 | 117 | 133617 | 48.636  | ug/l   | 98  |
| 39) Methylcyclohexane        | 9.191 | 83  | 151690 | 47.929  | ug/l   | 91  |
| 40) Benzene                  | 8.167 | 78  | 373465 | 50.775  | ug/l   | 99  |

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 Sample : VSTDC0050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDC0050EC

Quant Time: Oct 27 08:56:18 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y102623S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 26 13:59:06 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.314  | 41   | 42509    | 60.979   | ug/l # | 86       |
| 42) 1,2-Dichloroethane        | 8.246  | 62   | 111600   | 52.510   | ug/l   | 93       |
| 43) Isopropyl Acetate         | 8.277  | 43   | 137649   | 55.287   | ug/l   | 93       |
| 44) Trichloroethene           | 8.947  | 130  | 103528   | 50.407   | ug/l   | 100      |
| 45) 1,2-Dichloropropane       | 9.222  | 63   | 96885    | 52.045   | ug/l   | 98       |
| 46) Dibromomethane            | 9.313  | 93   | 59169    | 54.208   | ug/l   | 97       |
| 47) Bromodichloromethane      | 9.502  | 83   | 139340   | 52.784   | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.301  | 41   | 62470    | 54.463   | ug/l   | 87       |
| 49) 1,4-Dioxane               | 9.301  | 88   | 15637    | 1145.026 | ug/l # | 55       |
| 51) 4-Methyl-2-Pentanone      | 10.075 | 43   | 381489   | 290.383  | ug/l   | 92       |
| 52) Toluene                   | 10.252 | 92   | 241079   | 51.042   | ug/l   | 95       |
| 53) t-1,3-Dichloropropene     | 10.471 | 75   | 145186   | 53.784   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 9.935  | 75   | 161909   | 53.037   | ug/l # | 88       |
| 55) 1,1,2-Trichloroethane     | 10.648 | 97   | 85537    | 55.154   | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.514 | 69   | 114887   | 57.642   | ug/l # | 84       |
| 57) 1,3-Dichloropropane       | 10.795 | 76   | 142111   | 54.817   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.789  | 63   | 286378   | 288.620  | ug/l   | 94       |
| 59) 2-Hexanone                | 10.837 | 43   | 272859   | 281.953  | ug/l   | 88       |
| 60) Dibromochloromethane      | 10.990 | 129  | 102802   | 54.131   | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.093 | 107  | 82816    | 55.767   | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.728 | 164  | 99437    | 54.634   | ug/l   | 98       |
| 65) Chlorobenzene             | 11.520 | 112  | 267849   | 49.557   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.593 | 131  | 103463   | 51.258   | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.599 | 91   | 472596   | 49.228   | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.709 | 106  | 365500   | 98.380   | ug/l   | 95       |
| 69) o-Xylene                  | 12.032 | 106  | 178473   | 50.179   | ug/l   | 97       |
| 70) Styrene                   | 12.050 | 104  | 307351   | 51.840   | ug/l   | 95       |
| 71) Bromoform                 | 12.215 | 173  | 66308    | 53.930   | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.331 | 105  | 467475   | 47.986   | ug/l   | 100      |
| 74) N-amyl acetate            | 12.148 | 43   | 127679   | 53.750   | ug/l # | 88       |
| 75) 1,1,2,2-Tetrachloroethane | 12.587 | 83   | 104977   | 52.715   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.636 | 75   | 129114   | 90.741   | ug/l # | 100      |
| 77) Bromobenzene              | 12.611 | 156  | 113493   | 49.918   | ug/l   | 99       |
| 78) n-propylbenzene           | 12.678 | 91   | 565069   | 47.905   | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.764 | 91   | 320963   | 48.585   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.819 | 105  | 393986   | 48.711   | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.386 | 75   | 34104    | 52.440   | ug/l   | 91       |
| 82) 4-Chlorotoluene           | 12.861 | 91   | 330435   | 48.232   | ug/l   | 98       |
| 83) tert-Butylbenzene         | 13.081 | 119  | 351158   | 48.844   | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 13.123 | 105  | 390383   | 48.870   | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.258 | 105  | 510930   | 47.715   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.373 | 119  | 426532   | 47.737   | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.367 | 146  | 223814   | 48.752   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.453 | 146  | 223148   | 49.181   | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.703 | 91   | 404101   | 48.483   | ug/l   | 97       |
| 90) Hexachloroethane          | 13.965 | 117  | 83162    | 47.806   | ug/l   | 91       |
| 91) 1,2-Dichlorobenzene       | 13.745 | 146  | 205005   | 50.435   | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.361 | 75   | 17180    | 54.952   | ug/l   | 87       |
| 93) 1,2,4-Trichlorobenzene    | 15.007 | 180  | 128558   | 51.123   | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.117 | 225  | 70843    | 48.539   | ug/l   | 97       |
| 95) Naphthalene               | 15.239 | 128  | 281125   | 57.322   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.428 | 180  | 113330   | 52.259   | ug/l   | 99       |

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Data File : VY016093.D  
Acq On : 26 Oct 2023 21:26  
Operator : SY/MD  
Sample : VSTDCCC050  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 24 Sample Multiplier: 1

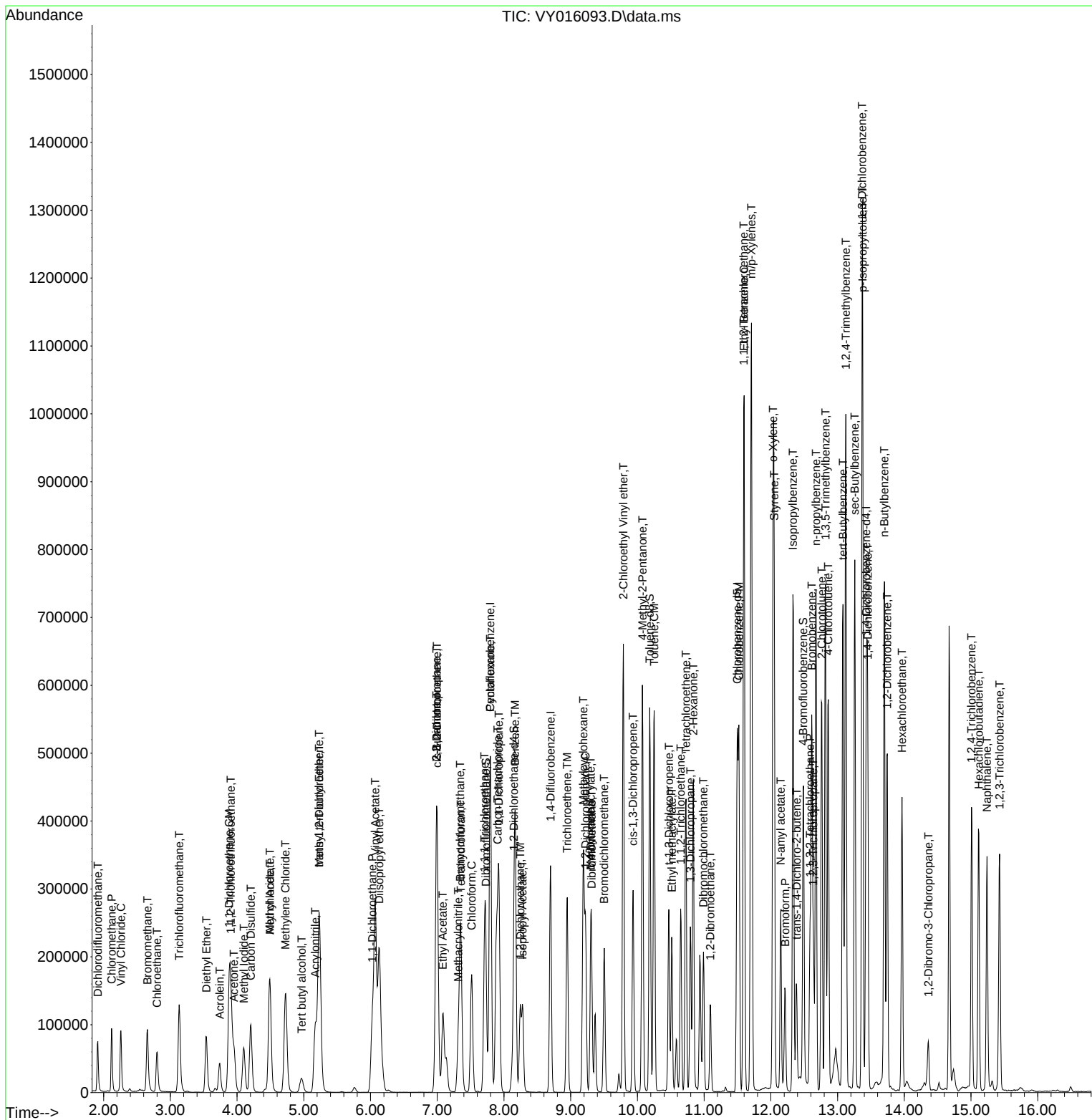
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

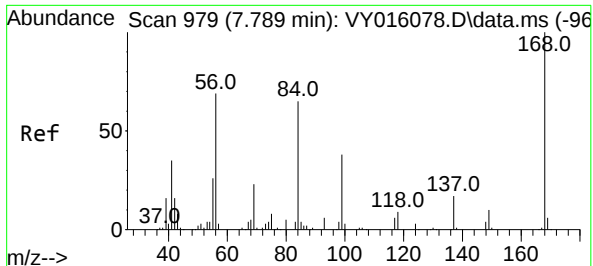
Quant Time: Oct 27 08:56:18 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y102623S.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 26 13:59:06 2023  
Response via : Initial Calibration

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

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y102623S.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 26 13:59:06 2023  
Response via : Initial Calibration

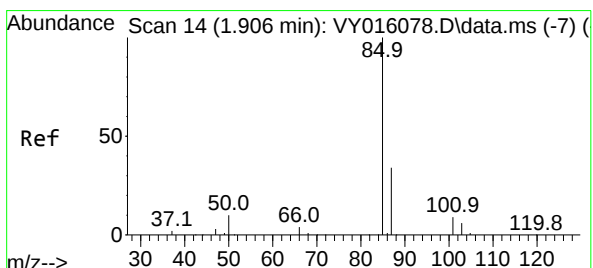
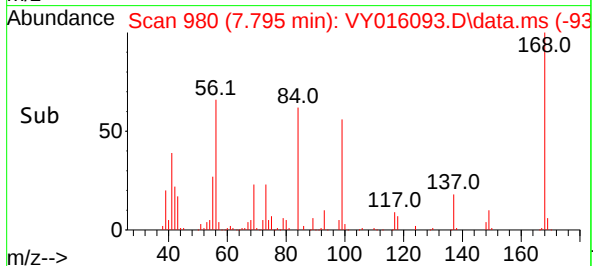
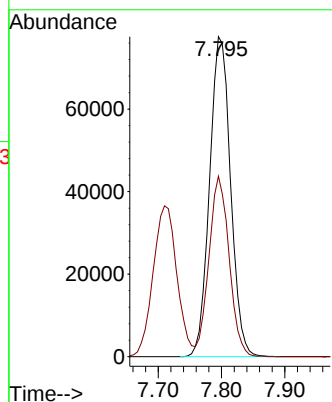
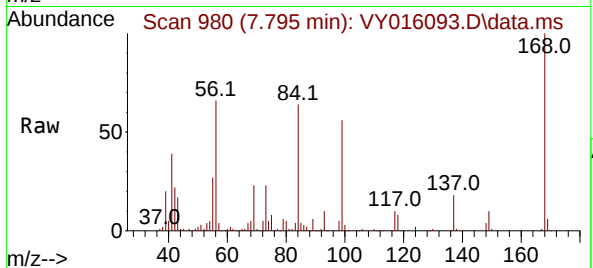




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY016093.D  
Acq: 26 Oct 2023 21:26

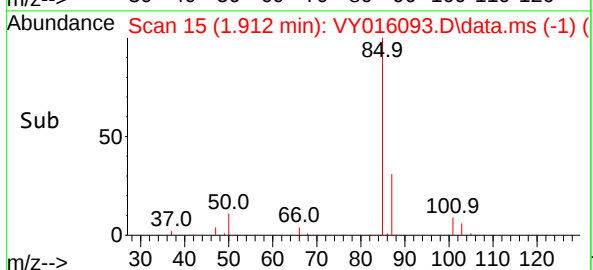
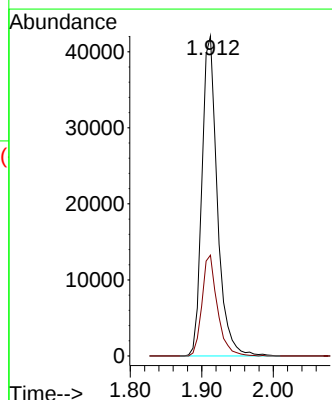
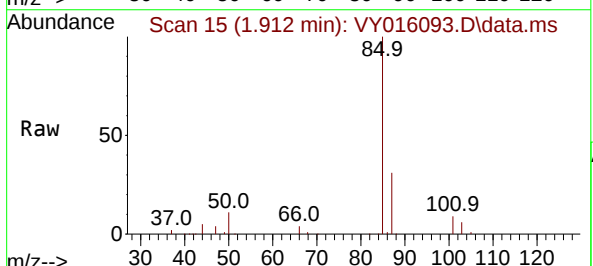
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

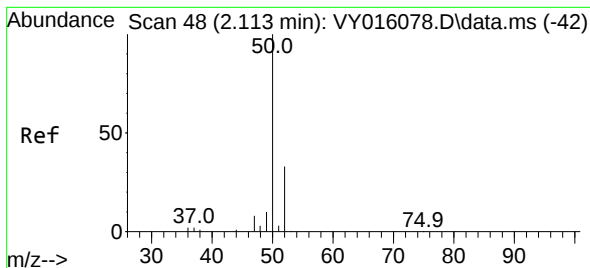
Tgt Ion:168 Resp: 178765  
Ion Ratio Lower Upper  
168 100  
99 56.4 43.4 65.0



#2  
Dichlorodifluoromethane  
Concen: 50.929 ug/l  
RT: 1.912 min Scan# 15  
Delta R.T. 0.006 min  
Lab File: VY016093.D  
Acq: 26 Oct 2023 21:26

Tgt Ion: 85 Resp: 62833  
Ion Ratio Lower Upper  
85 100  
87 31.5 15.6 46.8





#3

Chloromethane

Concen: 53.137 ug/l

RT: 2.119 min Scan# 49

Delta R.T. 0.000 min

Lab File: VY016093.D

Acq: 26 Oct 2023 21:26

Instrument :

MSVOA\_Y

ClientSampleId :

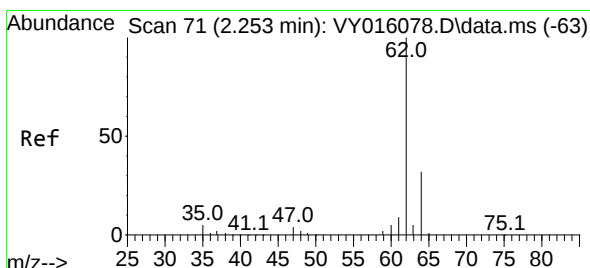
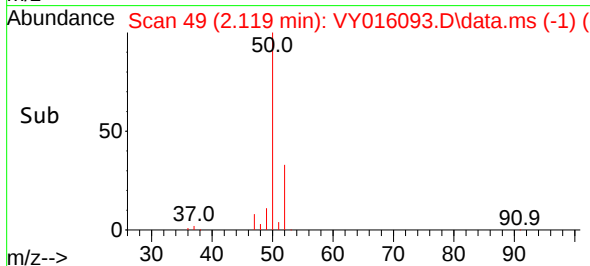
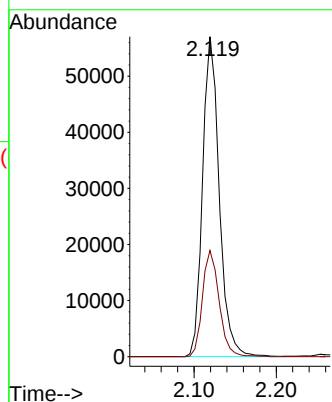
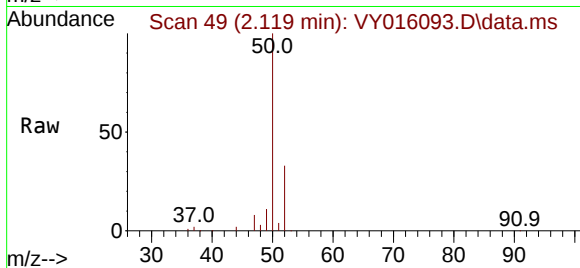
VSTDCCC050EC

Tgt Ion: 50 Resp: 80332

Ion Ratio Lower Upper

50 100

52 33.2 25.4 38.2



#4

Vinyl Chloride

Concen: 51.240 ug/l

RT: 2.260 min Scan# 72

Delta R.T. 0.000 min

Lab File: VY016093.D

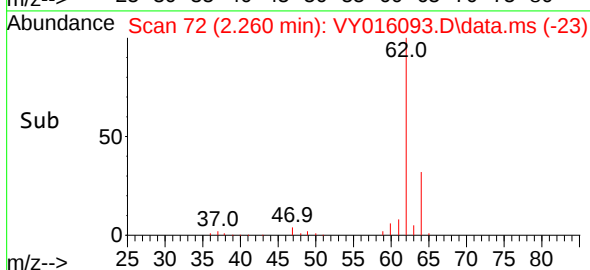
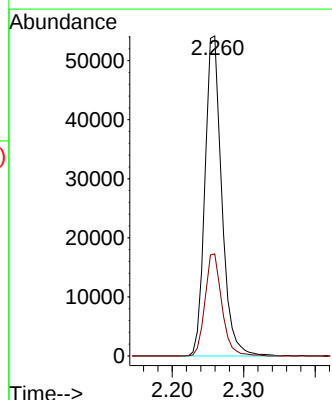
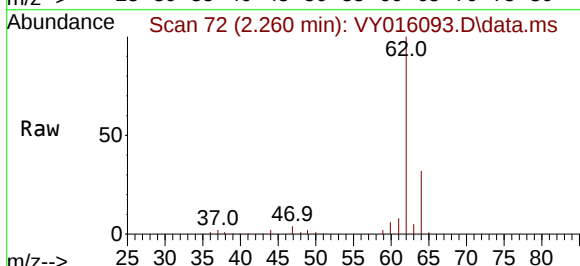
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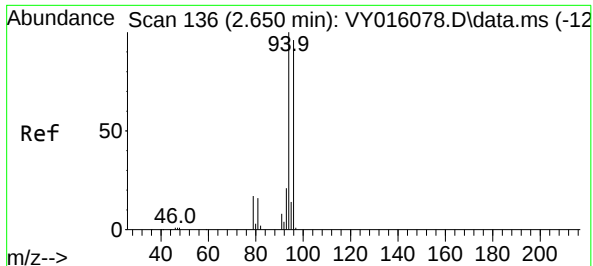
Tgt Ion: 62 Resp: 88496

Ion Ratio Lower Upper

62 100

64 31.9 24.3 36.5

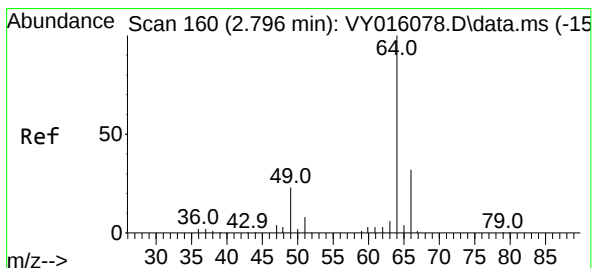
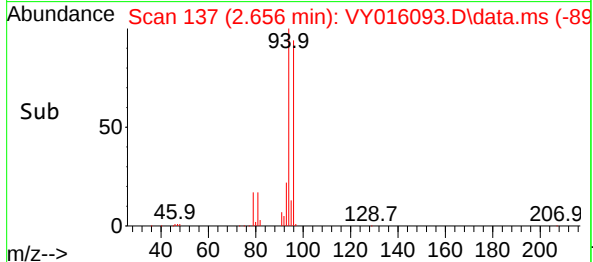
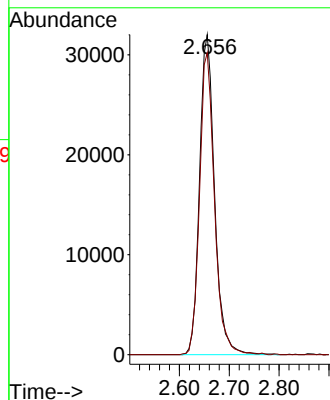
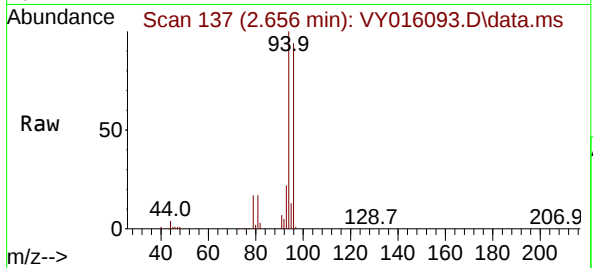




#5  
Bromomethane  
Concen: 52.133 ug/l  
RT: 2.656 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY016093.D  
Acq: 26 Oct 2023 21:26

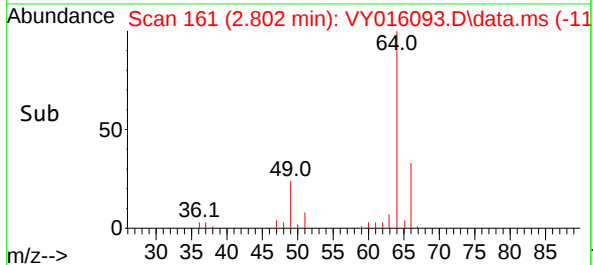
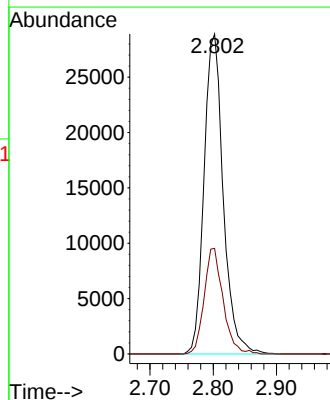
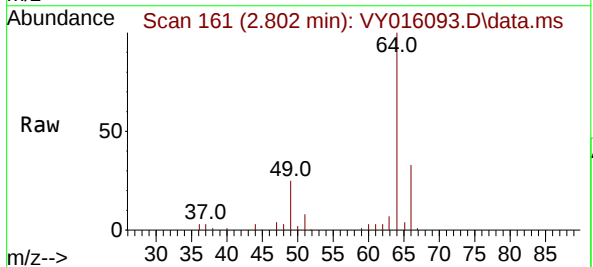
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

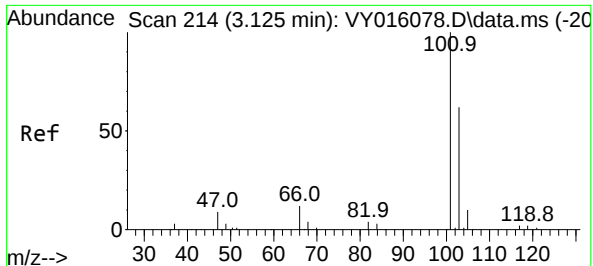
Tgt Ion: 94 Resp: 66924  
Ion Ratio Lower Upper  
94 100  
96 94.3 75.8 113.6



#6  
Chloroethane  
Concen: 51.516 ug/l  
RT: 2.802 min Scan# 161  
Delta R.T. 0.000 min  
Lab File: VY016093.D  
Acq: 26 Oct 2023 21:26

Tgt Ion: 64 Resp: 60943  
Ion Ratio Lower Upper  
64 100  
66 33.0 24.4 36.6

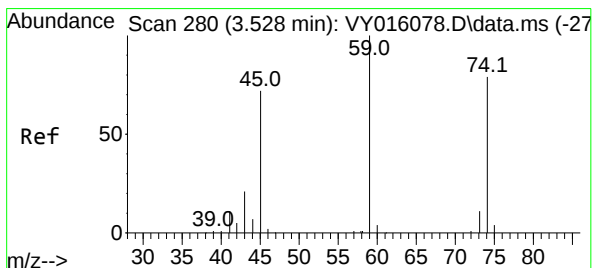
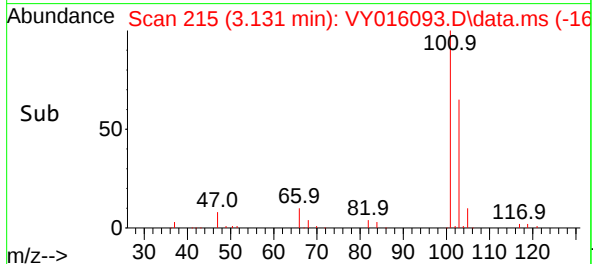
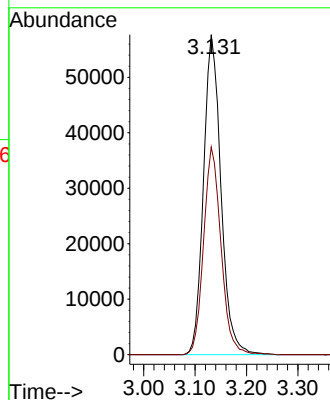
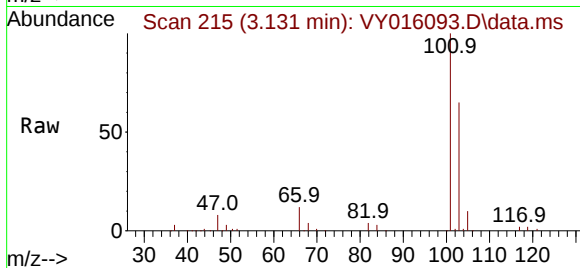




#7  
Trichlorofluoromethane  
Concen: 49.316 ug/l  
RT: 3.131 min Scan# 214  
Delta R.T. 0.000 min  
Lab File: VY016093.D  
Acq: 26 Oct 2023 21:26

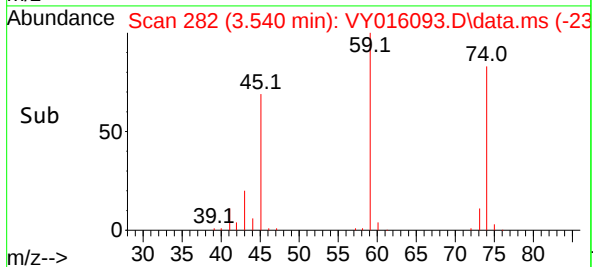
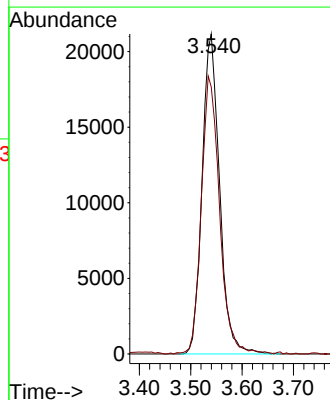
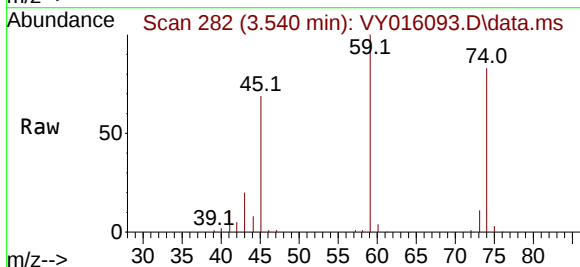
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

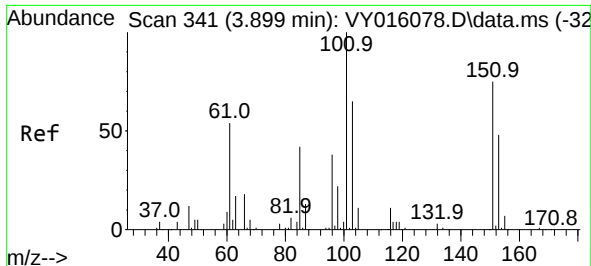
Tgt Ion:101 Resp: 136302  
Ion Ratio Lower Upper  
101 100  
103 64.9 51.4 77.0



#8  
Diethyl Ether  
Concen: 53.828 ug/l  
RT: 3.540 min Scan# 282  
Delta R.T. 0.006 min  
Lab File: VY016093.D  
Acq: 26 Oct 2023 21:26

Tgt Ion: 74 Resp: 49864  
Ion Ratio Lower Upper  
74 100  
45 91.0 51.5 154.5

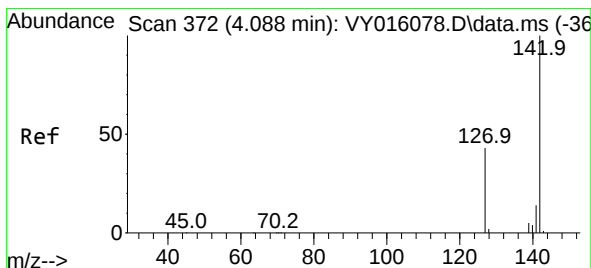
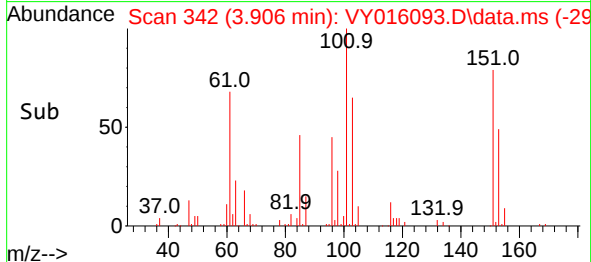
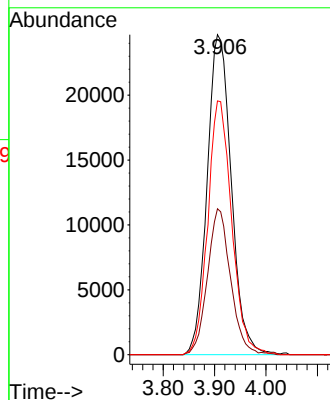
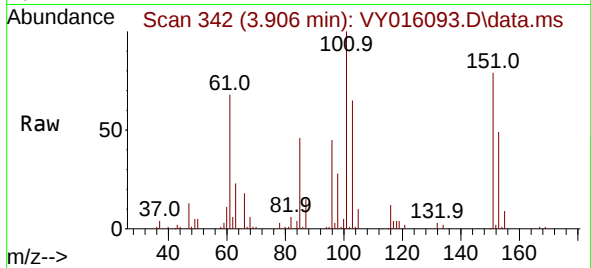




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 48.293 ug/l  
RT: 3.906 min Scan# 341  
Delta R.T. 0.000 min  
Lab File: VY016093.D  
Acq: 26 Oct 2023 21:26

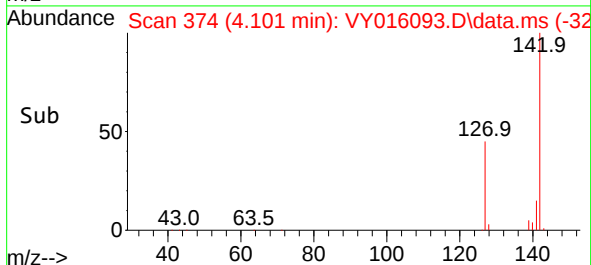
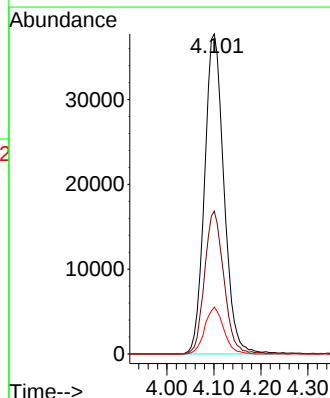
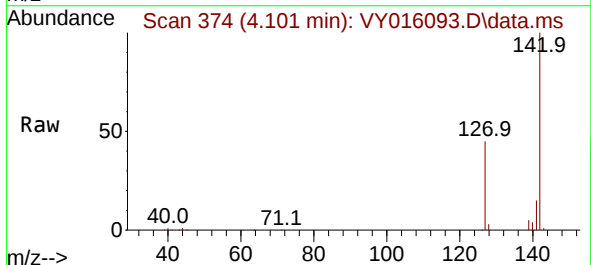
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

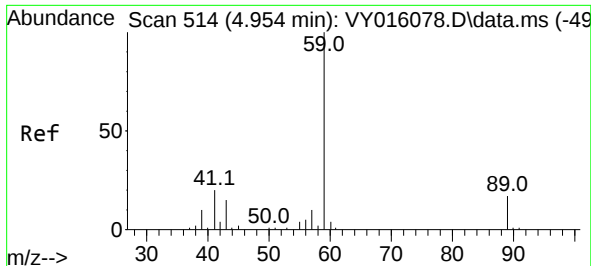
Tgt Ion:101 Resp: 80519  
Ion Ratio Lower Upper  
101 100  
85 43.6 36.6 55.0  
151 78.4 67.0 100.6



#10  
Methyl Iodide  
Concen: 50.751 ug/l  
RT: 4.101 min Scan# 374  
Delta R.T. 0.000 min  
Lab File: VY016093.D  
Acq: 26 Oct 2023 21:26

Tgt Ion:142 Resp: 108120  
Ion Ratio Lower Upper  
142 100  
127 44.4 37.6 56.4  
141 14.3 11.8 17.8

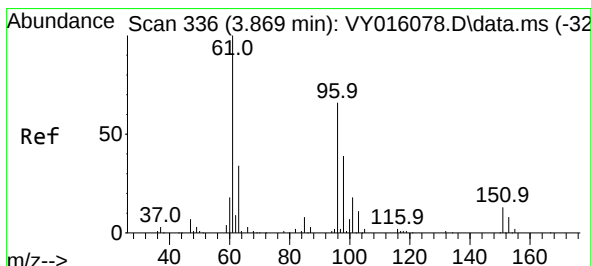
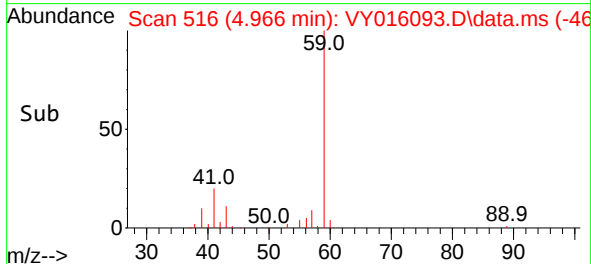
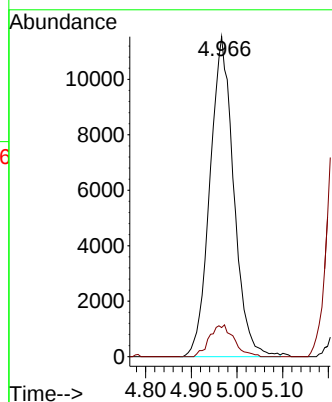
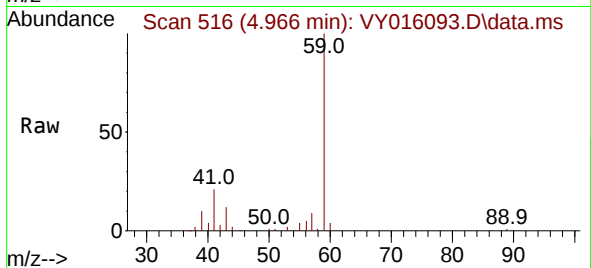




#11  
Tert butyl alcohol  
Concen: 212.559 ug/l  
RT: 4.966 min Scan# 514  
Delta R.T. -0.006 min  
Lab File: VY016093.D  
Acq: 26 Oct 2023 21:26

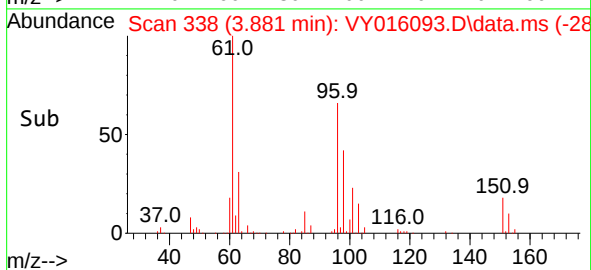
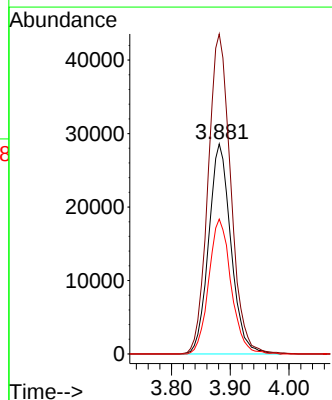
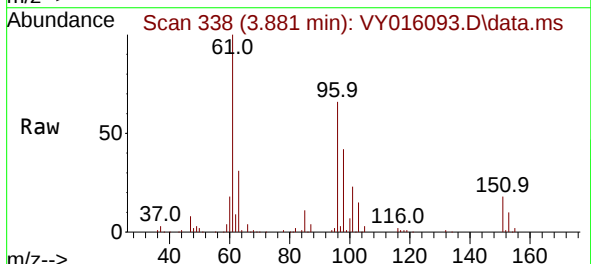
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

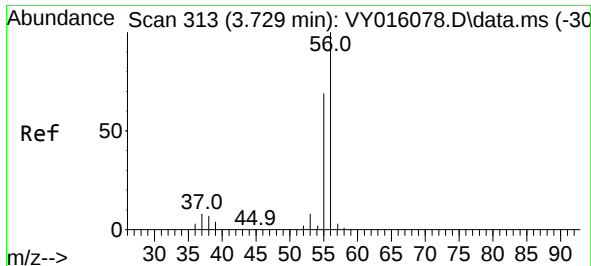
Tgt Ion: 59 Resp: 41751  
Ion Ratio Lower Upper  
59 100  
57 10.3 3.0 4.4#



#12  
1,1-Dichloroethene  
Concen: 49.226 ug/l  
RT: 3.881 min Scan# 338  
Delta R.T. 0.000 min  
Lab File: VY016093.D  
Acq: 26 Oct 2023 21:26

Tgt Ion: 96 Resp: 75196  
Ion Ratio Lower Upper  
96 100  
61 152.3 136.4 204.6  
98 64.2 49.4 74.2

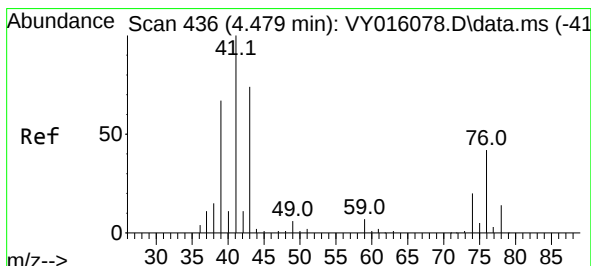
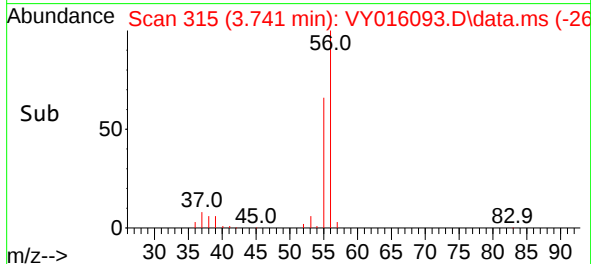
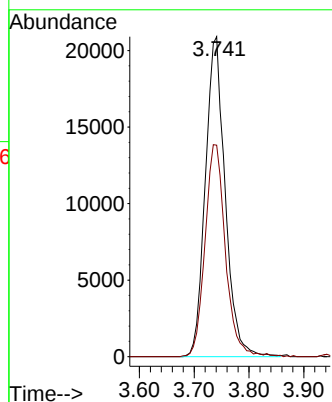
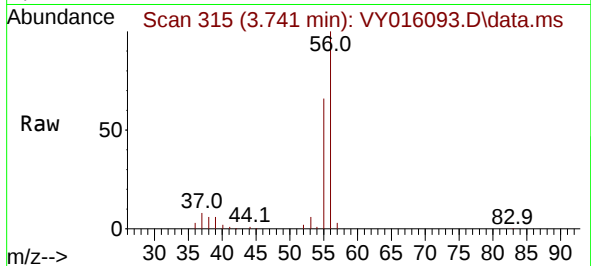




#13  
Acrolein  
Concen: 236.535 ug/l  
RT: 3.741 min Scan# 313  
Delta R.T. 0.000 min  
Lab File: VY016093.D  
Acq: 26 Oct 2023 21:26

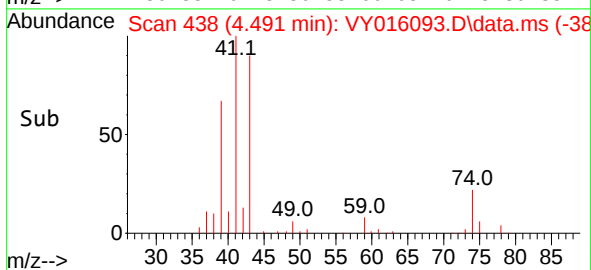
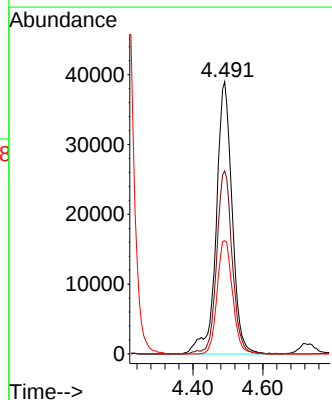
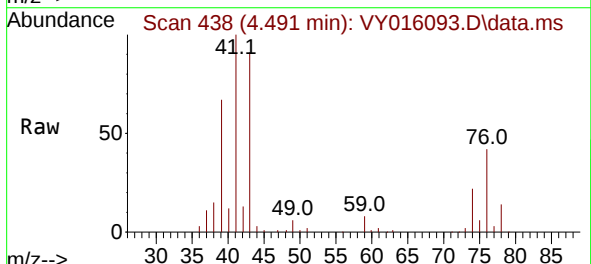
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

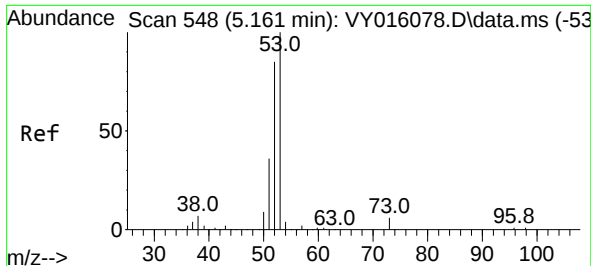
Tgt Ion: 56 Resp: 52368  
Ion Ratio Lower Upper  
56 100  
55 68.0 57.0 85.4



#14  
Allyl chloride  
Concen: 51.609 ug/l  
RT: 4.491 min Scan# 438  
Delta R.T. 0.006 min  
Lab File: VY016093.D  
Acq: 26 Oct 2023 21:26

Tgt Ion: 41 Resp: 123237  
Ion Ratio Lower Upper  
41 100  
39 65.7 58.0 87.0  
76 40.3 27.4 41.2

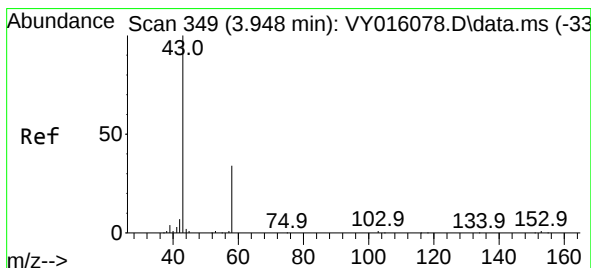
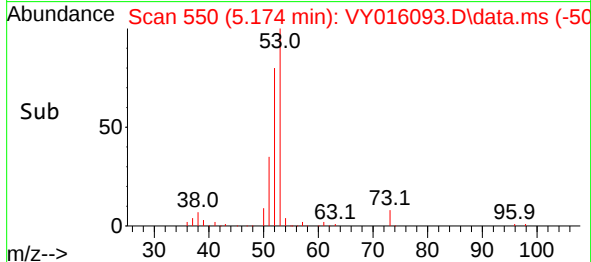
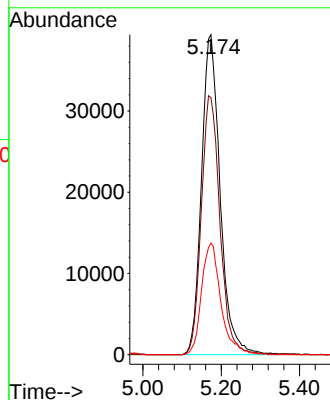
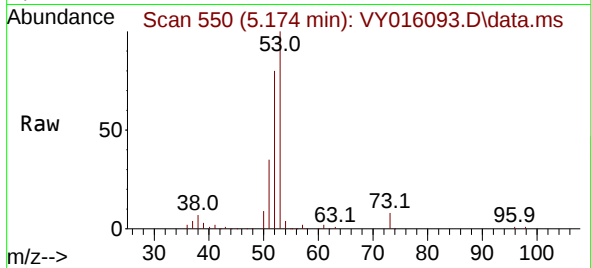




#15  
Acrylonitrile  
Concen: 287.494 ug/l  
RT: 5.174 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VY016093.D  
Acq: 26 Oct 2023 21:26

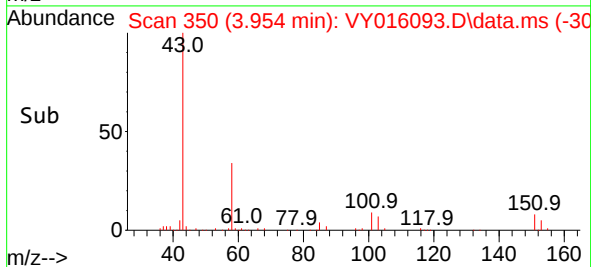
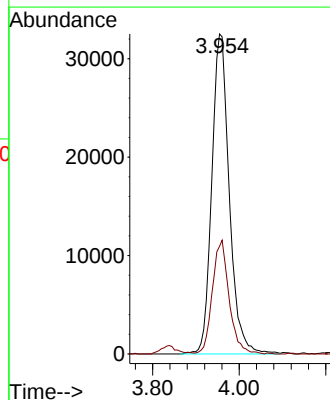
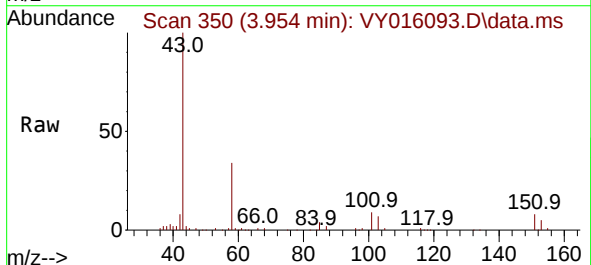
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

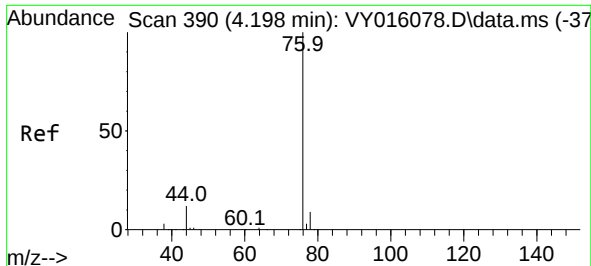
Tgt Ion: 53 Resp: 130649  
Ion Ratio Lower Upper  
53 100  
52 80.7 66.9 100.3  
51 36.1 29.8 44.6



#16  
Acetone  
Concen: 189.324 ug/l  
RT: 3.954 min Scan# 350  
Delta R.T. 0.000 min  
Lab File: VY016093.D  
Acq: 26 Oct 2023 21:26

Tgt Ion: 43 Resp: 91217  
Ion Ratio Lower Upper  
43 100  
58 33.6 22.7 34.1





#17

Carbon Disulfide

Concen: 49.443 ug/l

RT: 4.204 min Scan# 391

Delta R.T. 0.000 min

Lab File: VY016093.D

Acq: 26 Oct 2023 21:26

Instrument :

MSVOA\_Y

ClientSampleId :

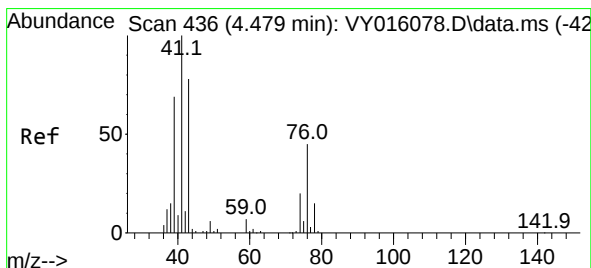
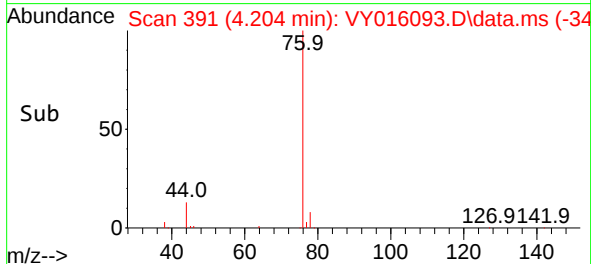
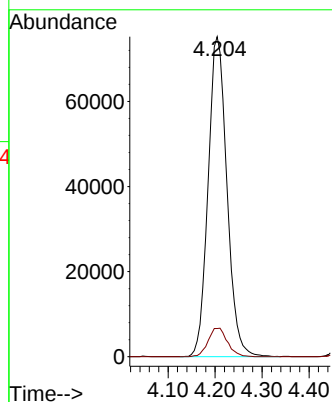
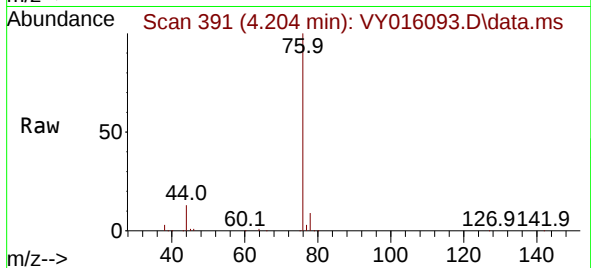
VSTDCCC050EC

Tgt Ion: 76 Resp: 208920

Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.4



#18

Methyl Acetate

Concen: 62.549 ug/l

RT: 4.491 min Scan# 438

Delta R.T. 0.006 min

Lab File: VY016093.D

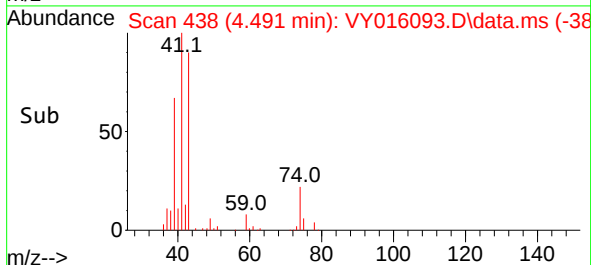
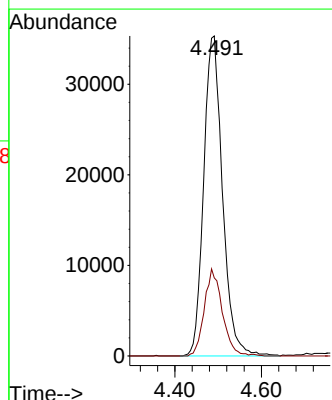
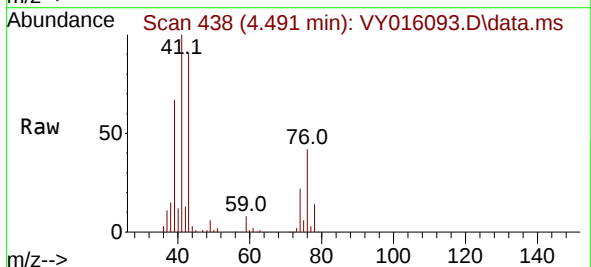
Acq: 26 Oct 2023 21:26

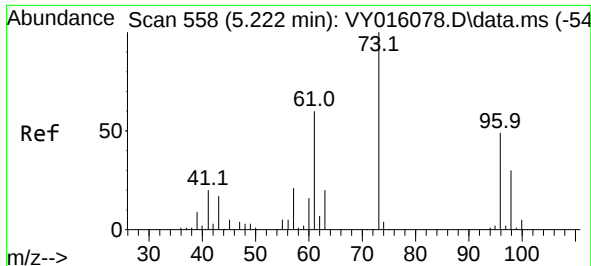
Tgt Ion: 43 Resp: 106550

Ion Ratio Lower Upper

43 100

74 26.1 17.4 26.0#





#19

Methyl tert-butyl Ether

Concen: 55.240 ug/l

RT: 5.229 min Scan# 51

Delta R.T. 0.000 min

Lab File: VY016093.D

Acq: 26 Oct 2023 21:26

Instrument :

MSVOA\_Y

ClientSampleId :

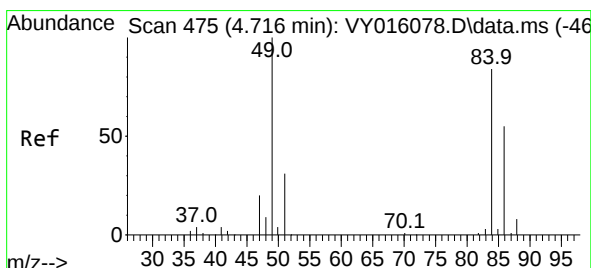
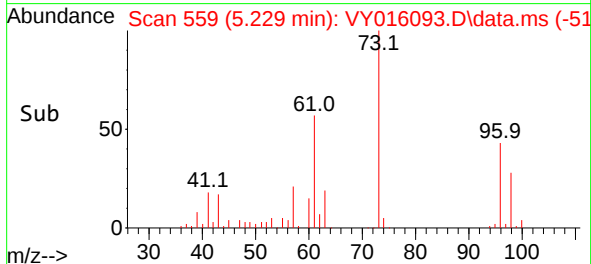
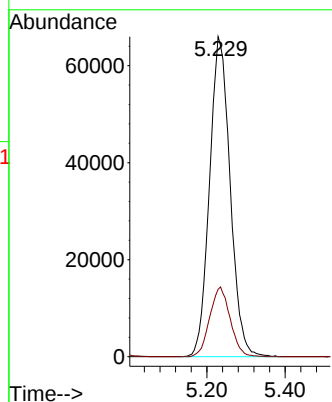
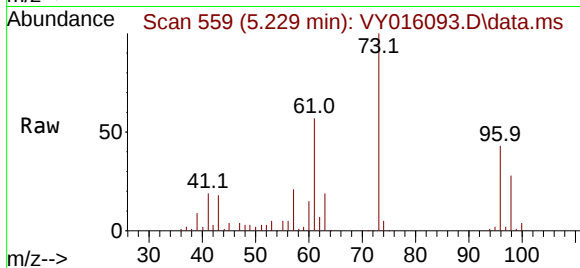
VSTDCCC050EC

Tgt Ion: 73 Resp: 240641

Ion Ratio Lower Upper

73 100

57 21.1 17.3 25.9



#20

Methylene Chloride

Concen: 63.574 ug/l

RT: 4.723 min Scan# 476

Delta R.T. 0.001 min

Lab File: VY016093.D

Acq: 26 Oct 2023 21:26

Tgt Ion: 84 Resp: 116279

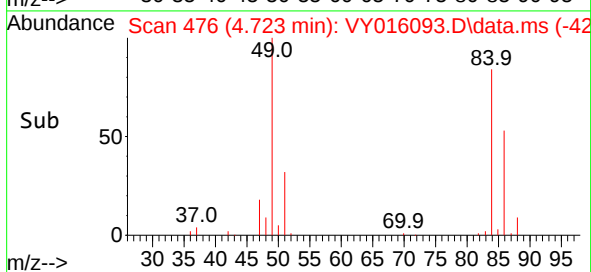
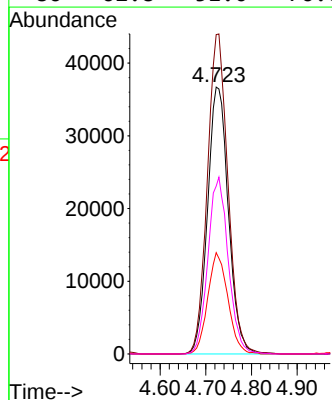
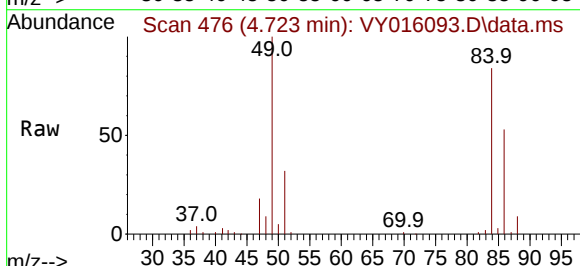
Ion Ratio Lower Upper

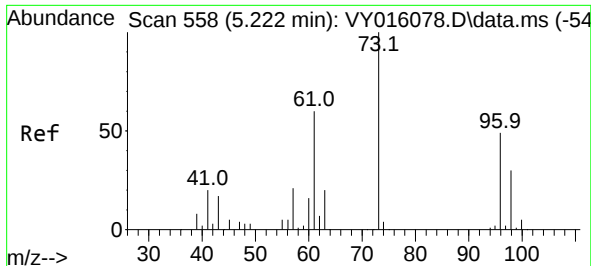
84 100

49 119.6 106.9 160.3

51 37.9 33.2 49.8

86 62.8 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 50.669 ug/l

RT: 5.229 min Scan# 51

Delta R.T. -0.006 min

Lab File: VY016093.D

Acq: 26 Oct 2023 21:26

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

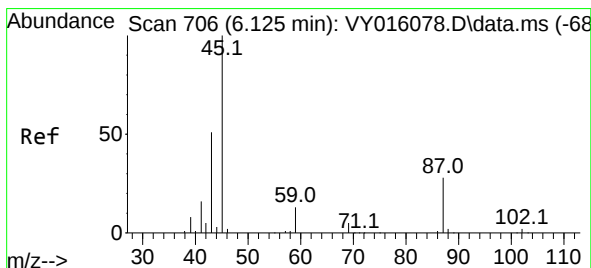
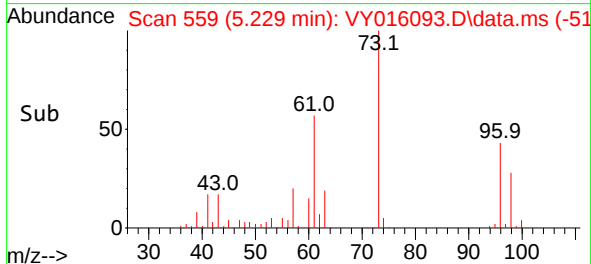
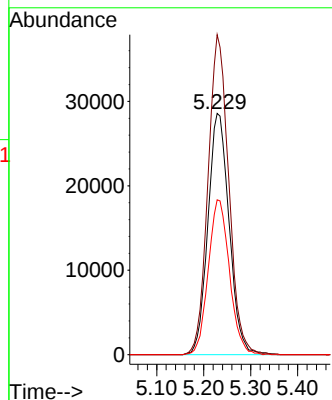
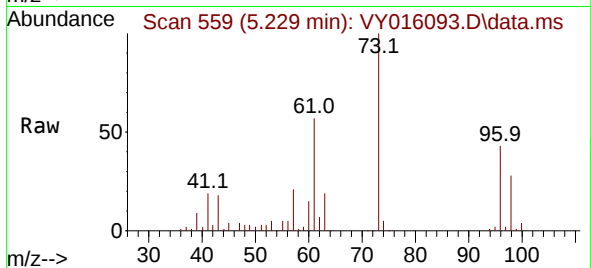
Tgt Ion: 96 Resp: 89720

Ion Ratio Lower Upper

96 100

61 132.6 110.2 165.4

98 64.2 51.8 77.6



#22

Diisopropyl ether

Concen: 54.365 ug/l

RT: 6.131 min Scan# 707

Delta R.T. 0.000 min

Lab File: VY016093.D

Acq: 26 Oct 2023 21:26

Tgt Ion: 45 Resp: 283866

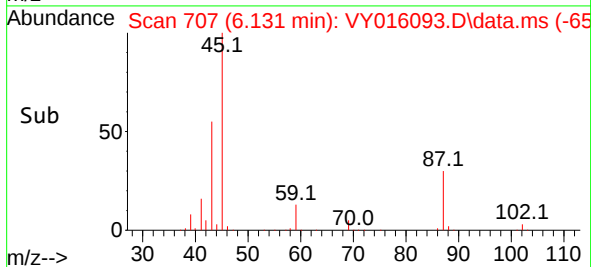
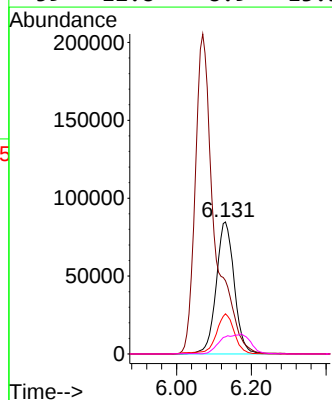
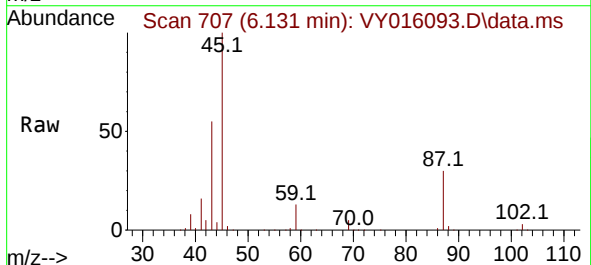
Ion Ratio Lower Upper

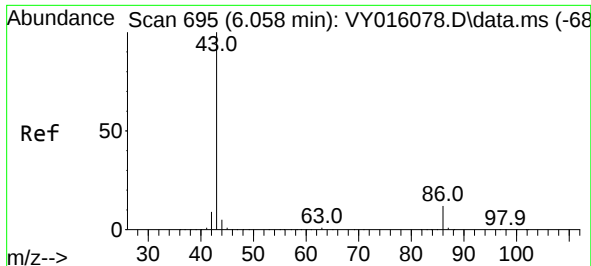
45 100

43 54.9 52.2 78.4

87 30.5 21.0 31.6

59 12.8 8.9 13.3

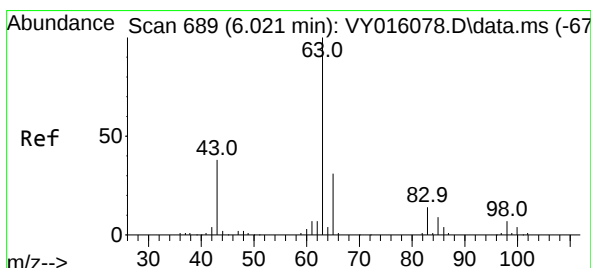
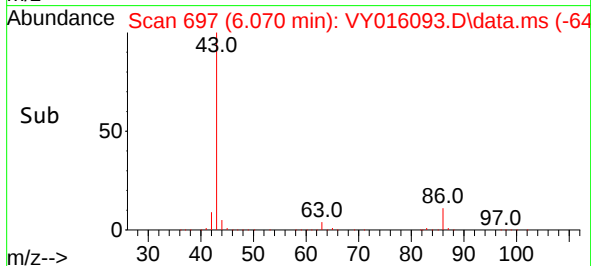
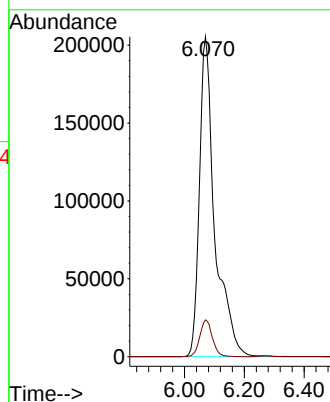
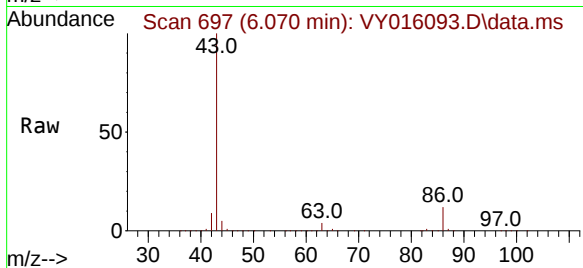




#23  
 Vinyl Acetate  
 Concen: 262.216 ug/l  
 RT: 6.070 min Scan# 695  
 Delta R.T. 0.000 min  
 Lab File: VY016093.D  
 Acq: 26 Oct 2023 21:26

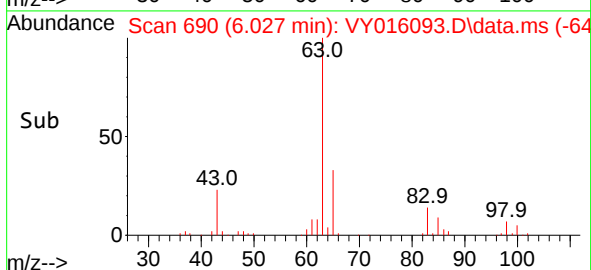
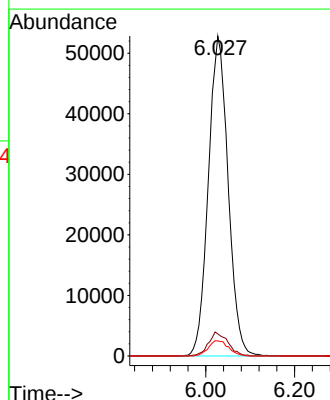
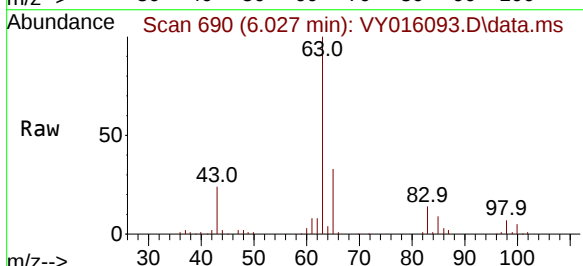
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

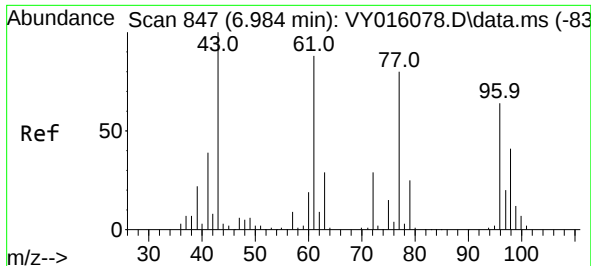
Tgt Ion: 43 Resp: 733576  
 Ion Ratio Lower Upper  
 43 100  
 86 11.5 7.5 11.3#



#24  
 1,1-Dichloroethane  
 Concen: 51.892 ug/l  
 RT: 6.027 min Scan# 690  
 Delta R.T. 0.000 min  
 Lab File: VY016093.D  
 Acq: 26 Oct 2023 21:26

Tgt Ion: 63 Resp: 163240  
 Ion Ratio Lower Upper  
 63 100  
 98 6.9 3.1 9.4  
 100 4.7 1.8 5.5





#25

2-Butanone

Concen: 253.408 ug/l

RT: 6.990 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY016093.D

Acq: 26 Oct 2023 21:26

Instrument :

MSVOA\_Y

ClientSampleId :

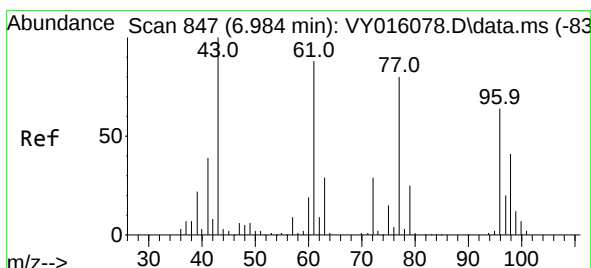
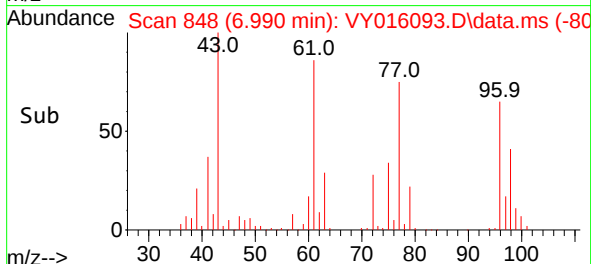
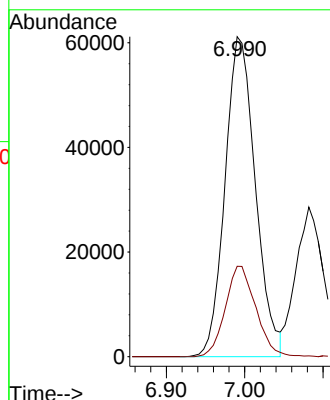
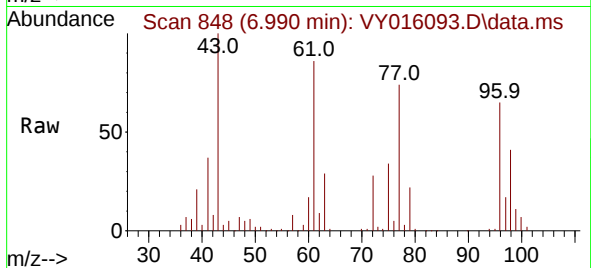
VSTDCCC050EC

Tgt Ion: 43 Resp: 164783

Ion Ratio Lower Upper

43 100

72 28.3 20.5 30.7



#26

2,2-Dichloropropane

Concen: 46.135 ug/l

RT: 6.990 min Scan# 848

Delta R.T. 0.000 min

Lab File: VY016093.D

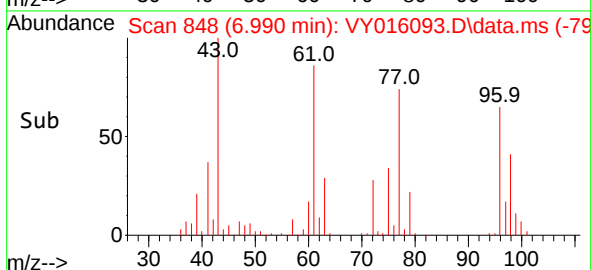
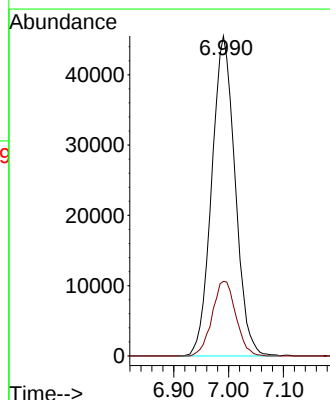
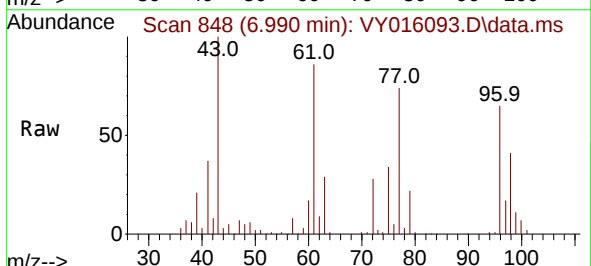
Acq: 26 Oct 2023 21:26

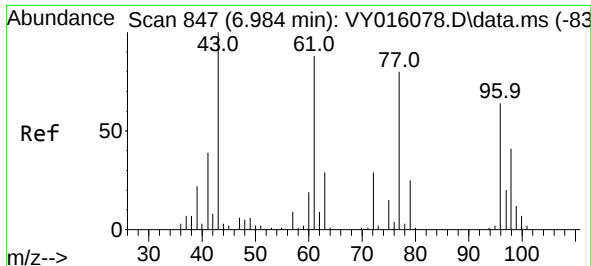
Tgt Ion: 77 Resp: 134915

Ion Ratio Lower Upper

77 100

97 23.6 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 52.414 ug/l

RT: 6.997 min Scan# 84

Delta R.T. 0.006 min

Lab File: VY016093.D

Acq: 26 Oct 2023 21:26

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

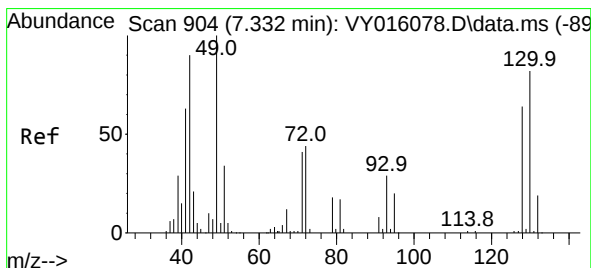
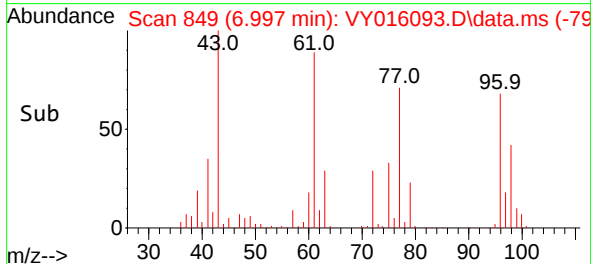
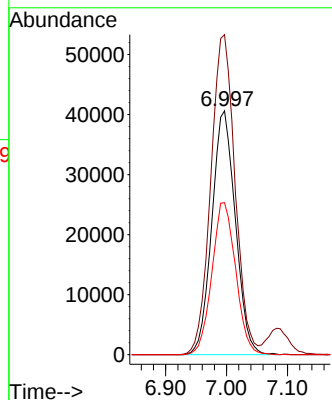
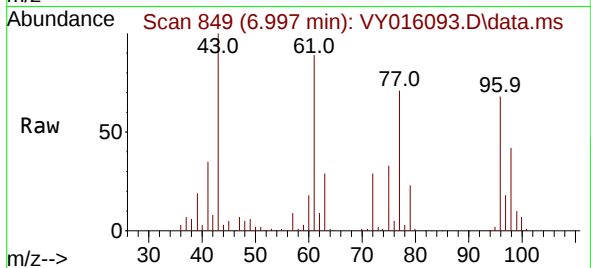
Tgt Ion: 96 Resp: 108995

Ion Ratio Lower Upper

96 100

61 135.2 0.0 301.4

98 63.0 0.0 130.4



#28

Bromochloromethane

Concen: 56.405 ug/l

RT: 7.344 min Scan# 906

Delta R.T. 0.006 min

Lab File: VY016093.D

Acq: 26 Oct 2023 21:26

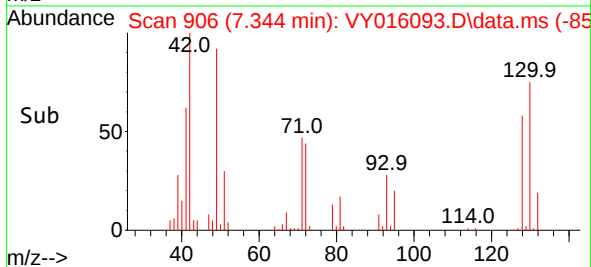
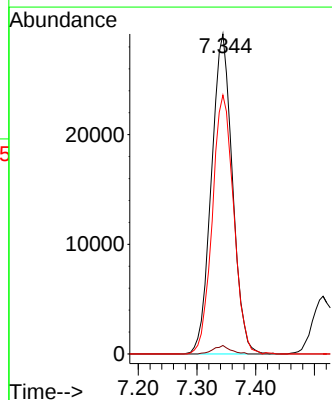
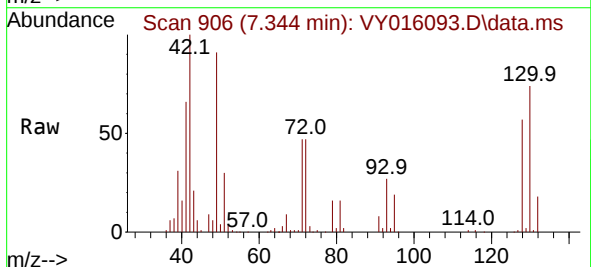
Tgt Ion: 49 Resp: 72590

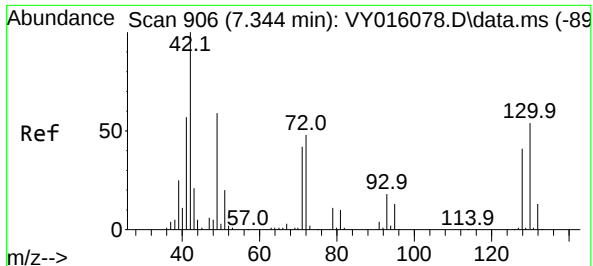
Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.6

130 81.9 60.7 91.1





#29

Tetrahydrofuran

Concen: 296.856 ug/l

RT: 7.356 min Scan# 906

Delta R.T. 0.000 min

Lab File: VY016093.D

Acq: 26 Oct 2023 21:26

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

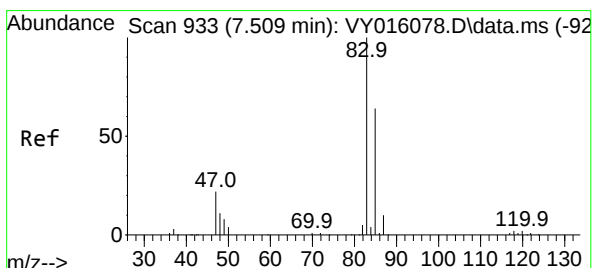
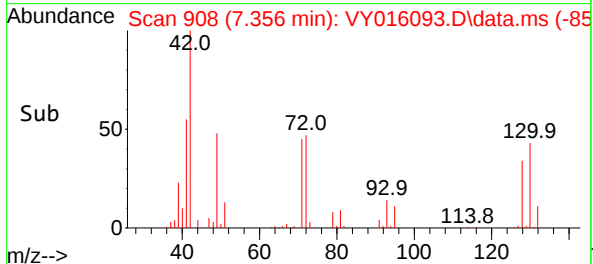
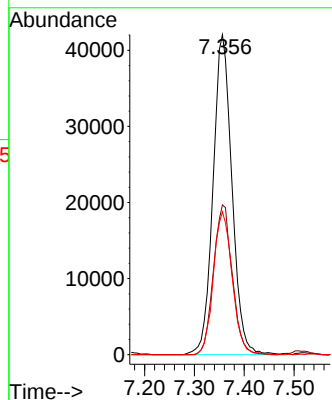
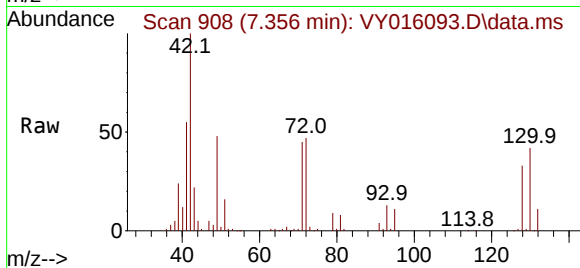
Tgt Ion: 42 Resp: 110757

Ion Ratio Lower Upper

42 100

72 46.6 32.8 49.2

71 44.4 31.0 46.4



#30

Chloroform

Concen: 52.993 ug/l

RT: 7.515 min Scan# 934

Delta R.T. 0.000 min

Lab File: VY016093.D

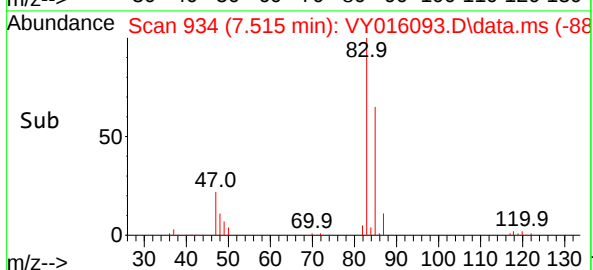
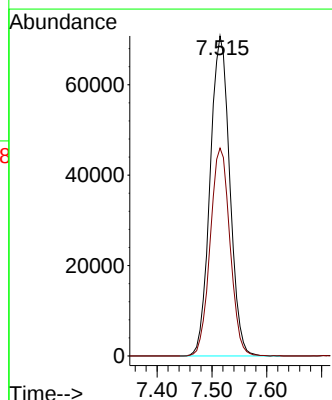
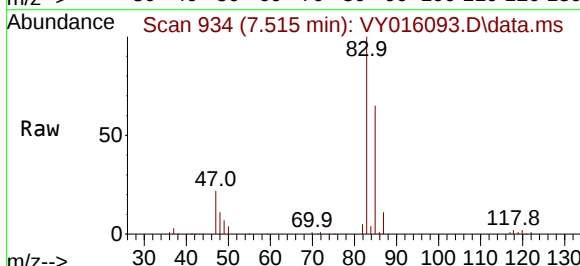
Acq: 26 Oct 2023 21:26

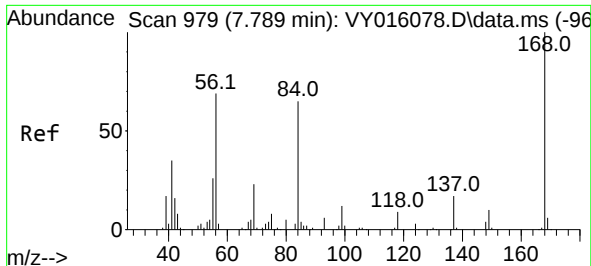
Tgt Ion: 83 Resp: 176101

Ion Ratio Lower Upper

83 100

85 65.0 49.7 74.5

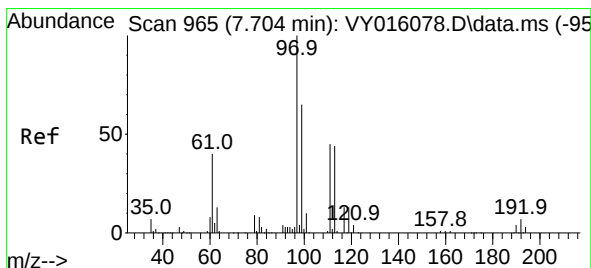
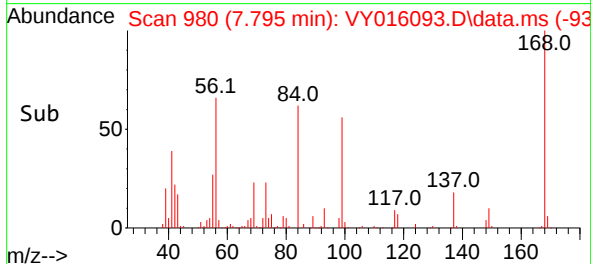
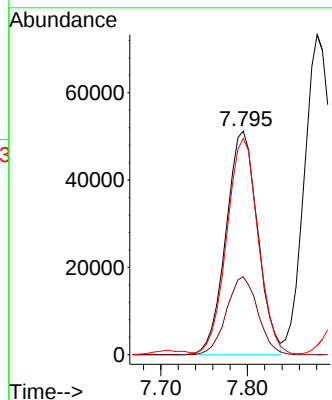
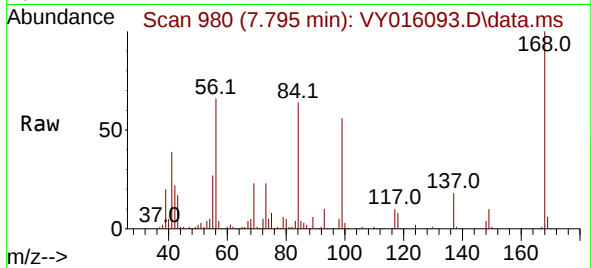




#31  
Cyclohexane  
Concen: 46.586 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY016093.D  
Acq: 26 Oct 2023 21:26

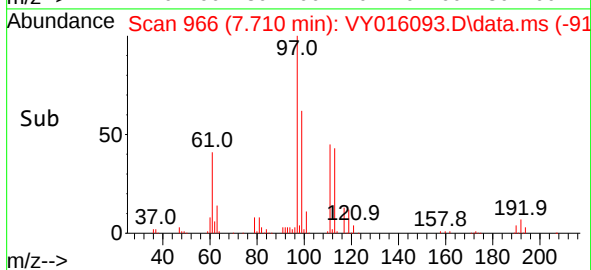
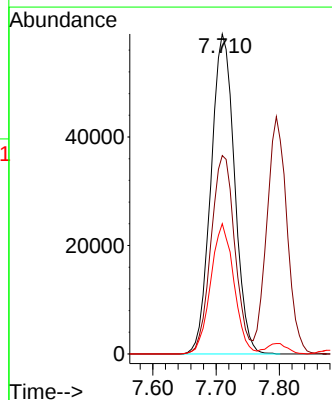
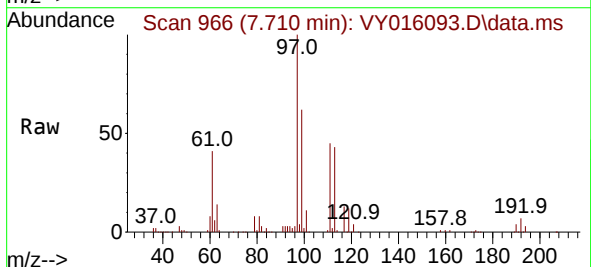
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

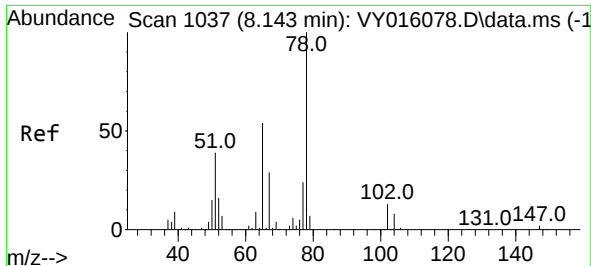
Tgt Ion: 56 Resp: 130277  
Ion Ratio Lower Upper  
56 100  
69 34.9 27.8 41.6  
84 95.2 66.4 99.6



#32  
1,1,1-Trichloroethane  
Concen: 51.109 ug/l  
RT: 7.710 min Scan# 966  
Delta R.T. 0.000 min  
Lab File: VY016093.D  
Acq: 26 Oct 2023 21:26

Tgt Ion: 97 Resp: 152341  
Ion Ratio Lower Upper  
97 100  
99 63.2 50.8 76.2  
61 40.3 35.1 52.7





#33

1,2-Dichloroethane-d4

Concen: 55.464 ug/l

RT: 8.149 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY016093.D

Acq: 26 Oct 2023 21:26

Instrument :

MSVOA\_Y

ClientSampleId :

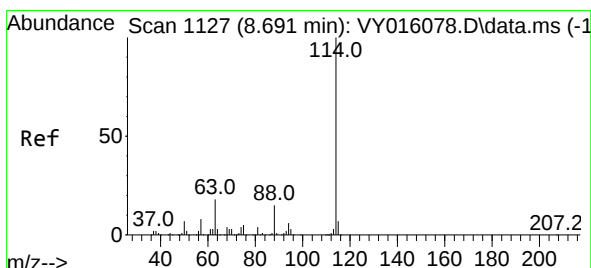
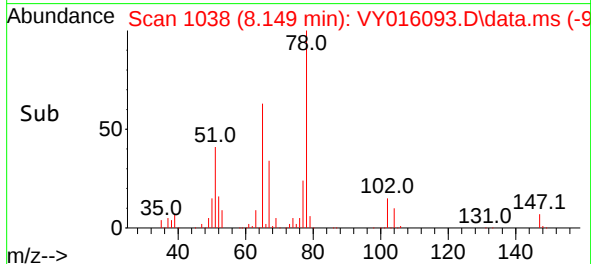
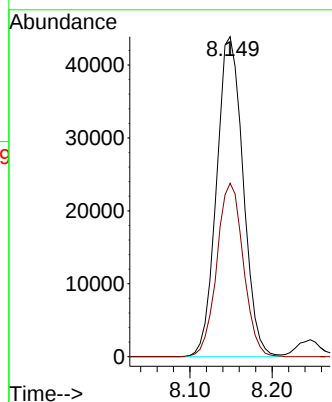
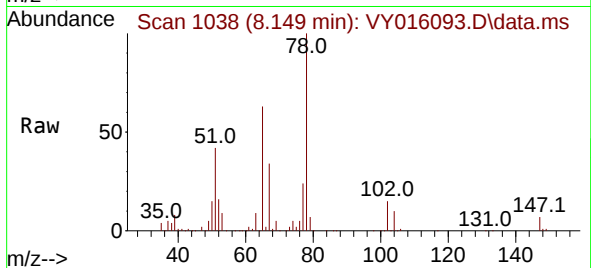
VSTDCCC050EC

Tgt Ion: 65 Resp: 98591

Ion Ratio Lower Upper

65 100

67 54.1 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.000 min

Lab File: VY016093.D

Acq: 26 Oct 2023 21:26

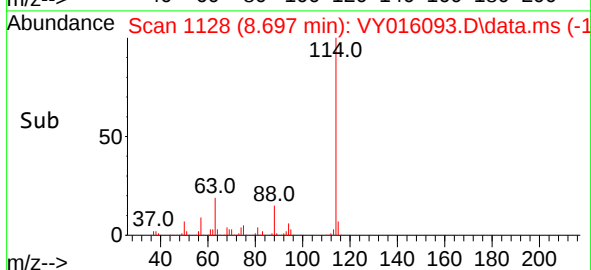
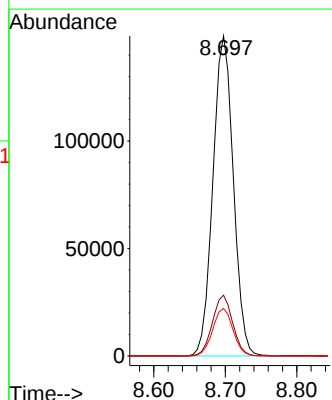
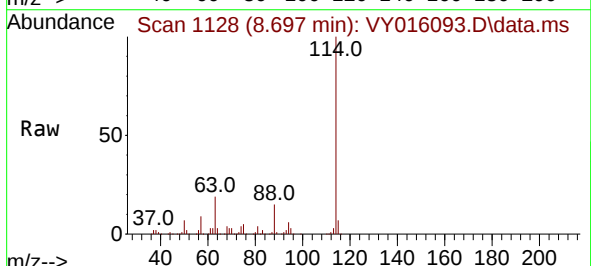
Tgt Ion: 114 Resp: 295225

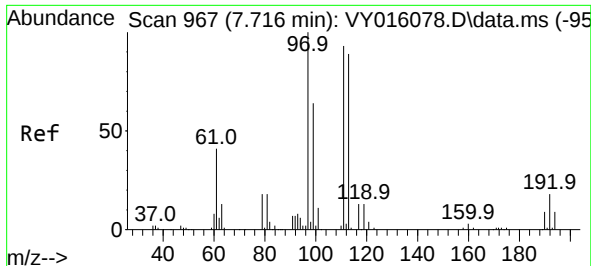
Ion Ratio Lower Upper

114 100

63 19.0 0.0 42.4

88 14.8 0.0 30.6

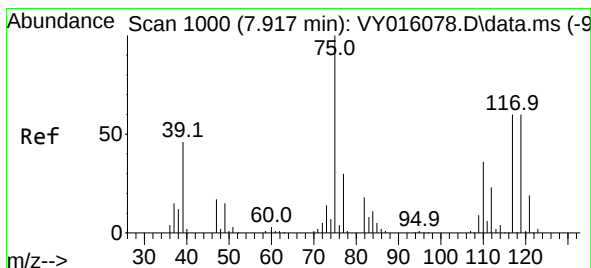
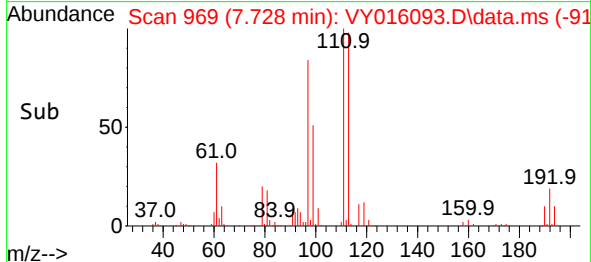
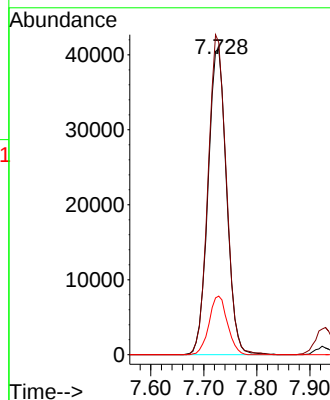
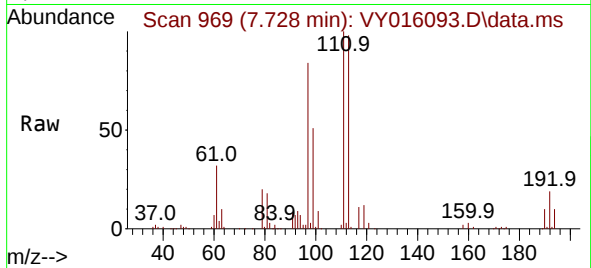




#35  
Dibromofluoromethane  
Concen: 53.172 ug/l  
RT: 7.728 min Scan# 90  
Delta R.T. 0.006 min  
Lab File: VY016093.D  
Acq: 26 Oct 2023 21:26

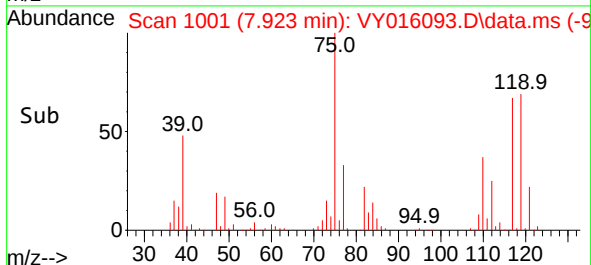
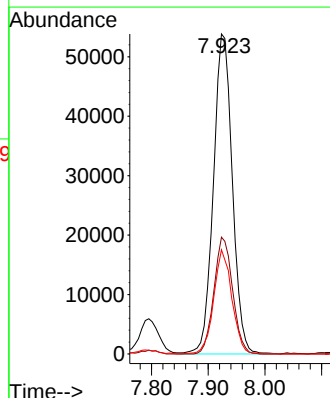
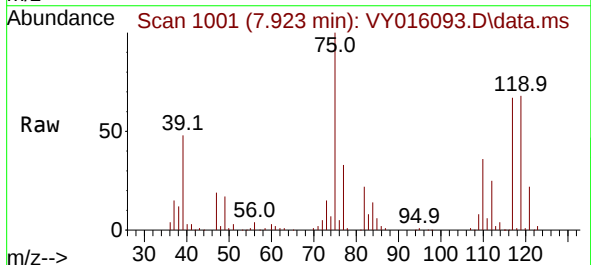
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

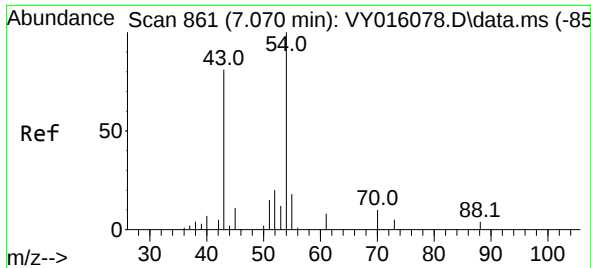
Tgt Ion:113 Resp: 99098  
Ion Ratio Lower Upper  
113 100  
111 102.6 81.3 121.9  
192 19.0 16.9 25.3



#36  
1,1-Dichloropropene  
Concen: 48.133 ug/l  
RT: 7.923 min Scan# 1001  
Delta R.T. 0.000 min  
Lab File: VY016093.D  
Acq: 26 Oct 2023 21:26

Tgt Ion: 75 Resp: 125045  
Ion Ratio Lower Upper  
75 100  
110 35.9 17.8 53.5  
77 31.2 24.4 36.6





#37

Ethyl Acetate

Concen: 54.682 ug/l

RT: 7.082 min Scan# 861

Delta R.T. 0.000 min

Lab File: VY016093.D

Acq: 26 Oct 2023 21:26

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDC0050EC

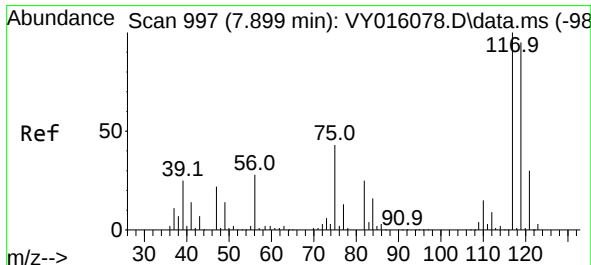
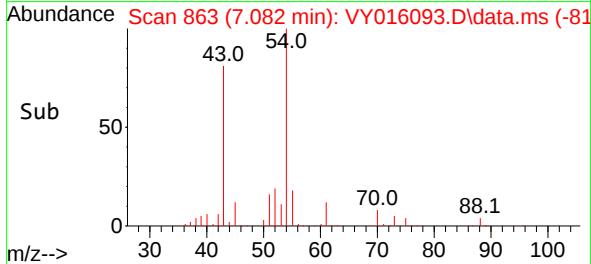
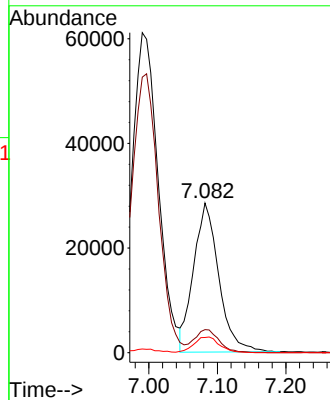
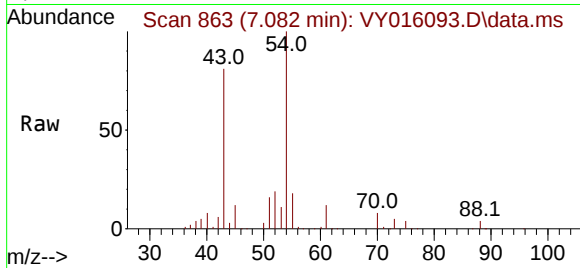
Tgt Ion: 43 Resp: 72814

Ion Ratio Lower Upper

43 100

61 15.4 10.1 15.1#

70 10.7 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 48.636 ug/l

RT: 7.905 min Scan# 998

Delta R.T. -0.006 min

Lab File: VY016093.D

Acq: 26 Oct 2023 21:26

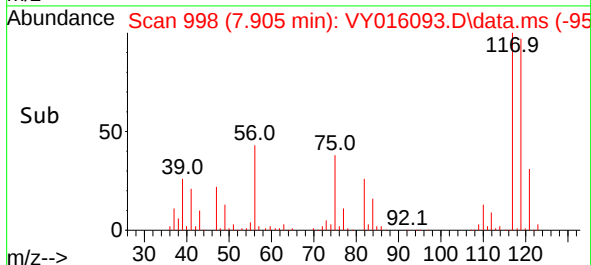
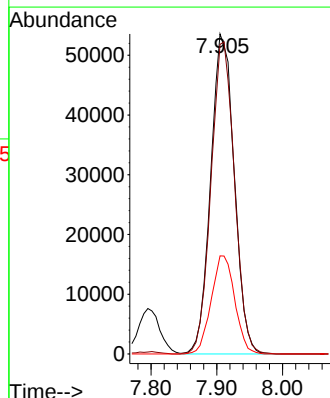
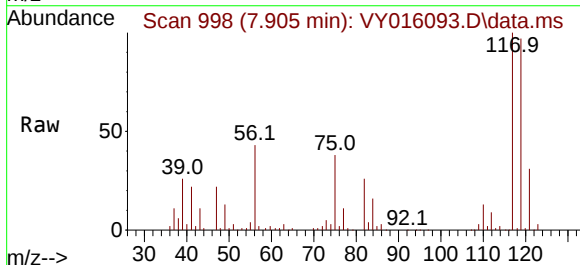
Tgt Ion: 117 Resp: 133617

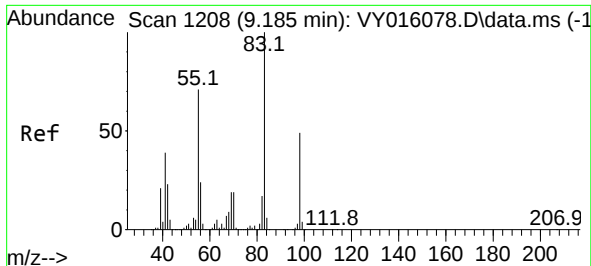
Ion Ratio Lower Upper

117 100

119 96.7 76.4 114.6

121 30.6 25.8 38.6





#39

Methylcyclohexane

Concen: 47.929 ug/l

RT: 9.191 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY016093.D

Acq: 26 Oct 2023 21:26

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

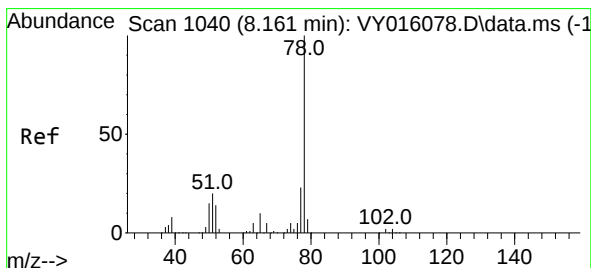
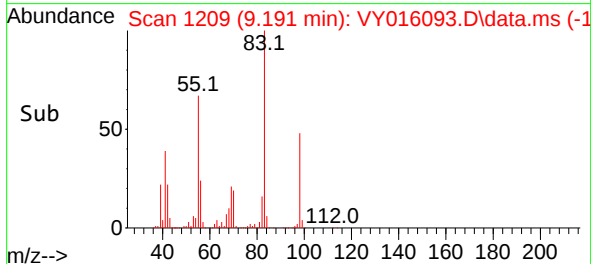
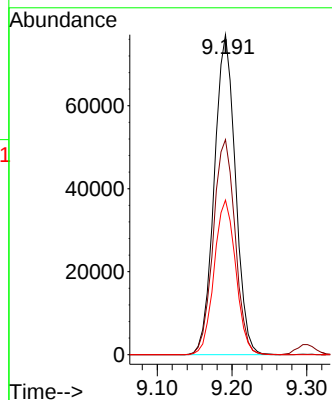
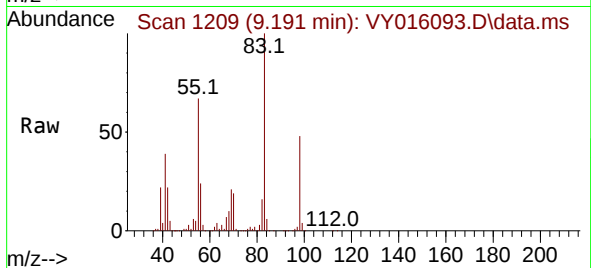
Tgt Ion: 83 Resp: 151690

Ion Ratio Lower Upper

83 100

55 67.2 63.0 94.4

98 48.3 37.4 56.2



#40

Benzene

Concen: 50.775 ug/l

RT: 8.167 min Scan# 1041

Delta R.T. 0.000 min

Lab File: VY016093.D

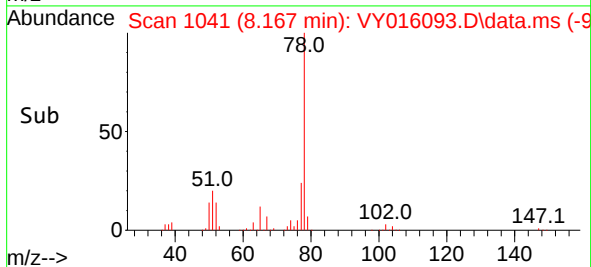
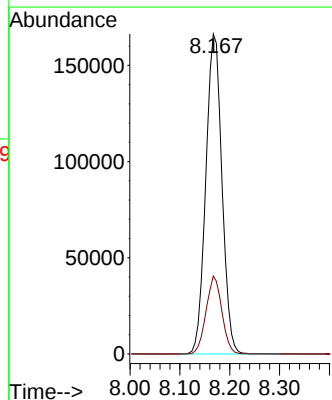
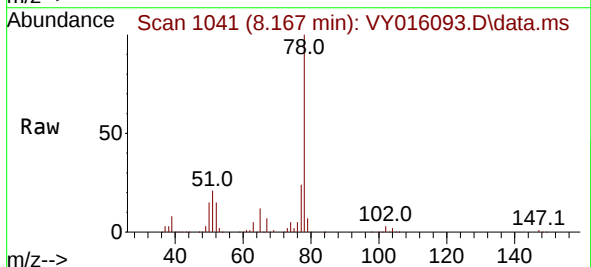
Acq: 26 Oct 2023 21:26

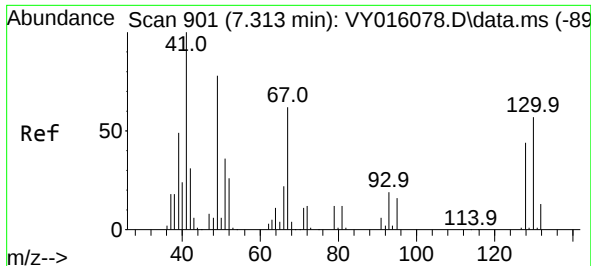
Tgt Ion: 78 Resp: 373465

Ion Ratio Lower Upper

78 100

77 24.4 19.0 28.6

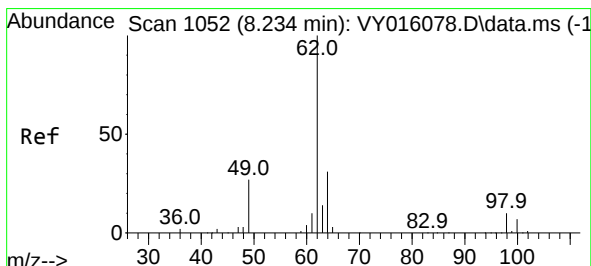
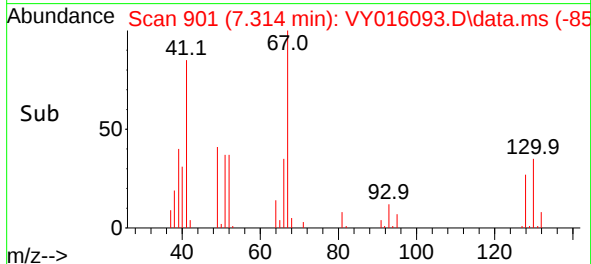
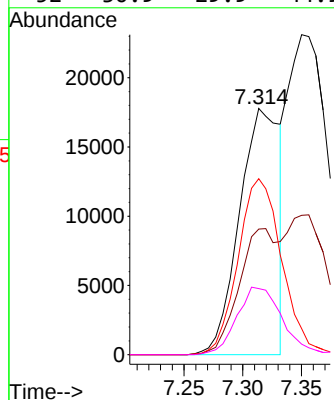
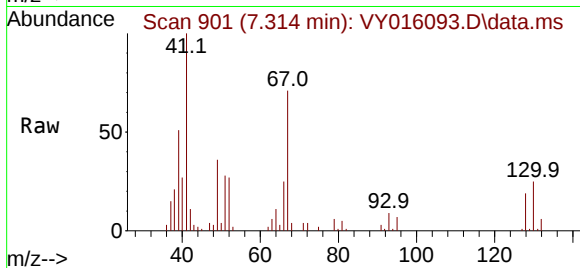




#41  
Methacrylonitrile  
Concen: 60.979 ug/l  
RT: 7.314 min Scan# 901  
Delta R.T. -0.006 min  
Lab File: VY016093.D  
Acq: 26 Oct 2023 21:26

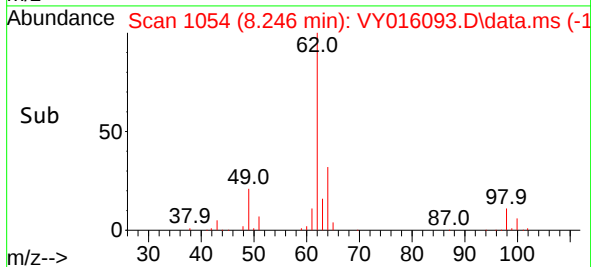
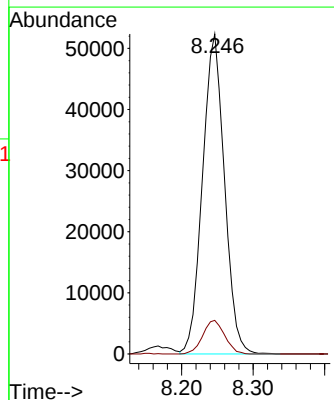
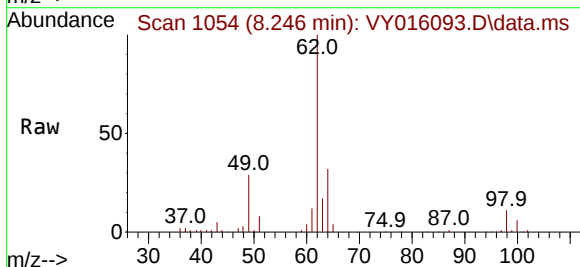
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

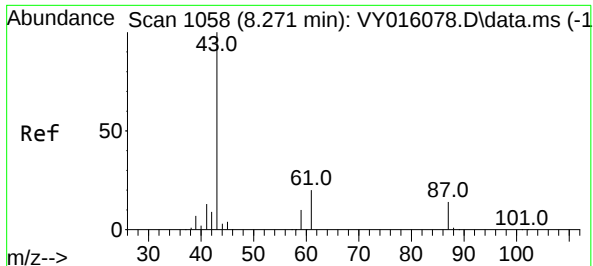
Tgt Ion: 41 Resp: 42509  
Ion Ratio Lower Upper  
41 100  
39 43.9 52.1 78.1#  
67 77.8 66.2 99.2  
52 30.9 29.9 44.9



#42  
1,2-Dichloroethane  
Concen: 52.510 ug/l  
RT: 8.246 min Scan# 1054  
Delta R.T. 0.006 min  
Lab File: VY016093.D  
Acq: 26 Oct 2023 21:26

Tgt Ion: 62 Resp: 111600  
Ion Ratio Lower Upper  
62 100  
98 10.5 0.0 15.8

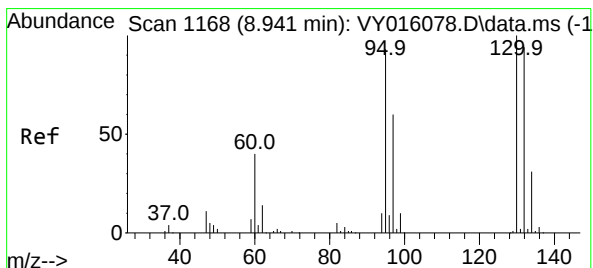
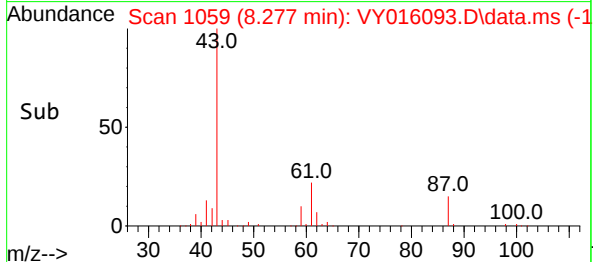
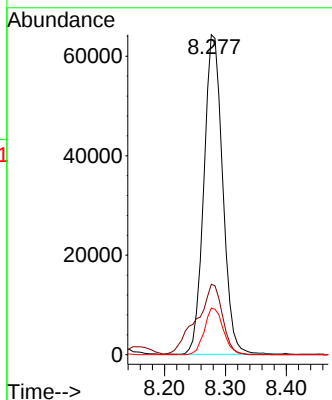
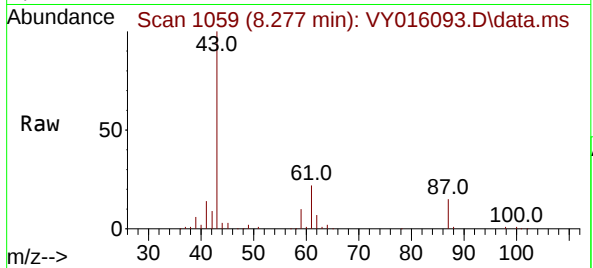




#43  
Isopropyl Acetate  
Concen: 55.287 ug/l  
RT: 8.277 min Scan# 1058  
Delta R.T. 0.000 min  
Lab File: VY016093.D  
Acq: 26 Oct 2023 21:26

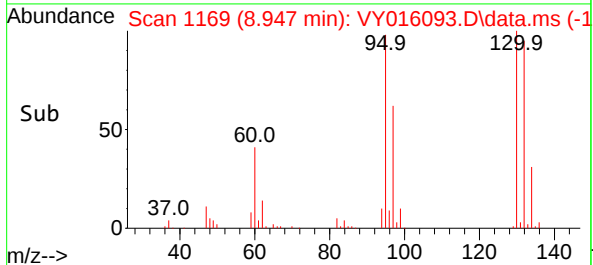
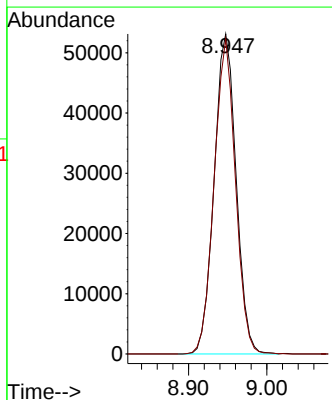
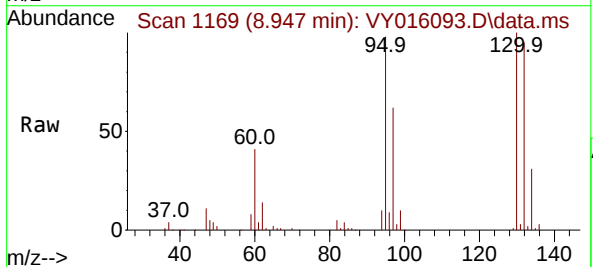
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

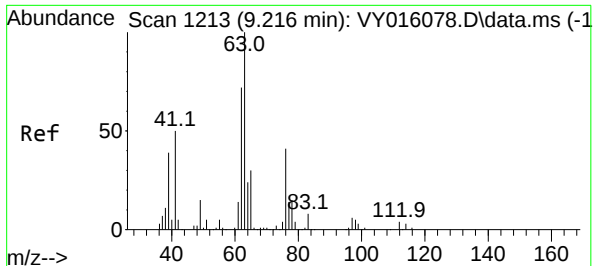
Tgt Ion: 43 Resp: 137649  
Ion Ratio Lower Upper  
43 100  
61 30.5 21.1 31.7  
87 14.7 9.8 14.8



#44  
Trichloroethene  
Concen: 50.407 ug/l  
RT: 8.947 min Scan# 1169  
Delta R.T. 0.000 min  
Lab File: VY016093.D  
Acq: 26 Oct 2023 21:26

Tgt Ion: 130 Resp: 103528  
Ion Ratio Lower Upper  
130 100  
95 98.4 0.0 196.0





#45

1,2-Dichloropropane

Concen: 52.045 ug/l

RT: 9.222 min Scan# 1214

Delta R.T. 0.000 min

Lab File: VY016093.D

Acq: 26 Oct 2023 21:26

Instrument :

MSVOA\_Y

ClientSampleId :

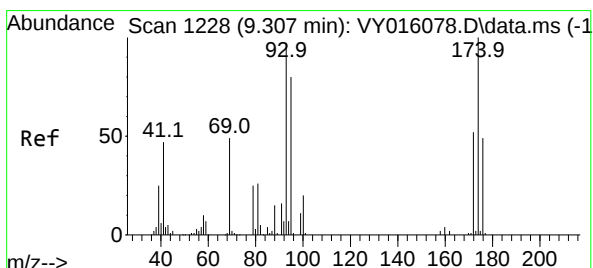
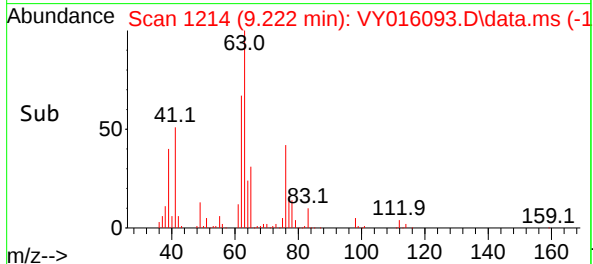
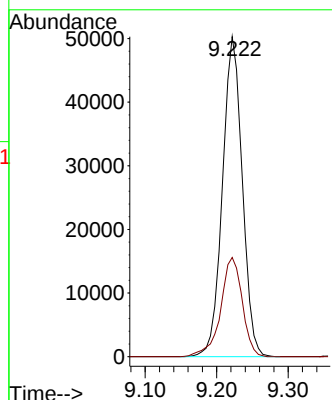
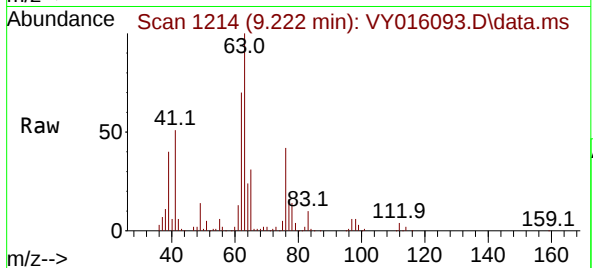
VSTDCCC050EC

Tgt Ion: 63 Resp: 96885

Ion Ratio Lower Upper

63 100

65 31.0 23.8 35.6



#46

Dibromomethane

Concen: 54.208 ug/l

RT: 9.313 min Scan# 1229

Delta R.T. 0.000 min

Lab File: VY016093.D

Acq: 26 Oct 2023 21:26

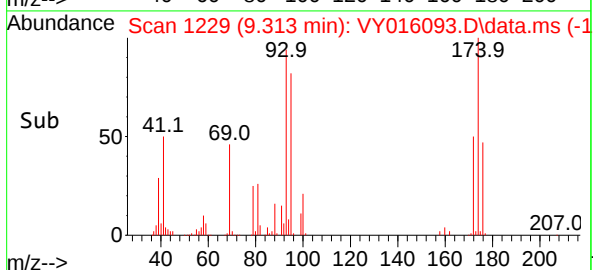
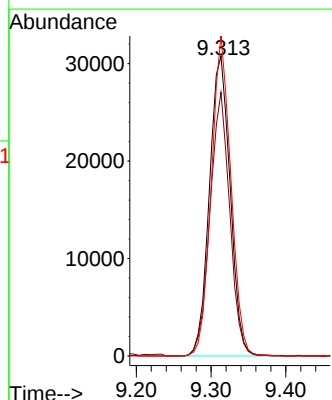
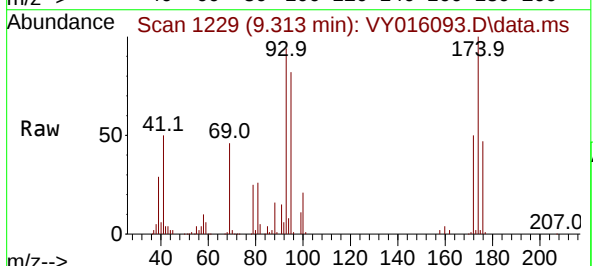
Tgt Ion: 93 Resp: 59169

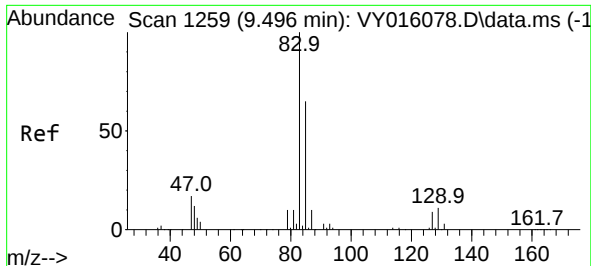
Ion Ratio Lower Upper

93 100

95 83.6 66.6 100.0

174 100.8 84.8 127.2

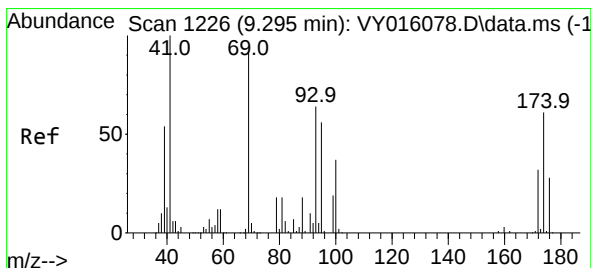
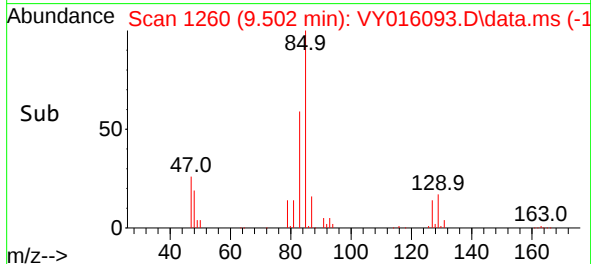
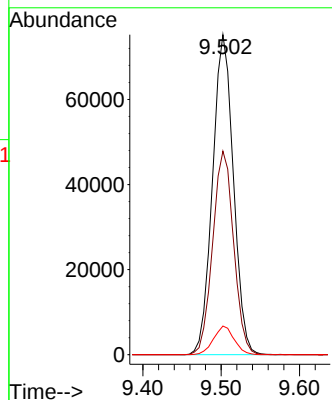
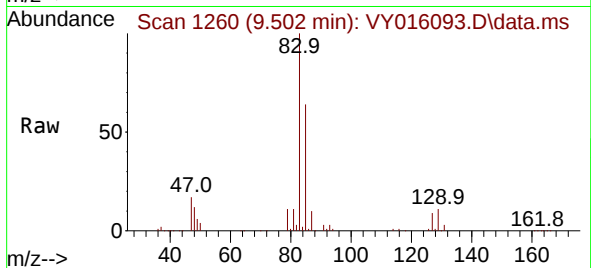




#47  
Bromodichloromethane  
Concen: 52.784 ug/l  
RT: 9.502 min Scan# 1260  
Delta R.T. 0.000 min  
Lab File: VY016093.D  
Acq: 26 Oct 2023 21:26

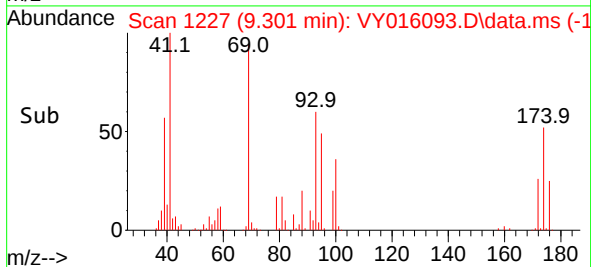
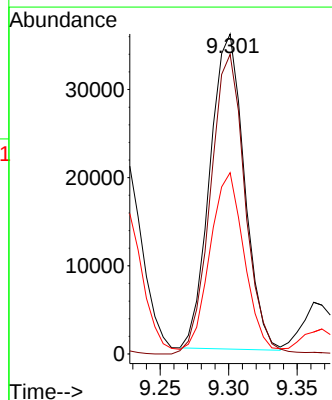
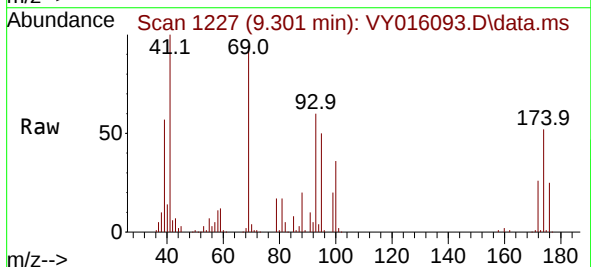
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

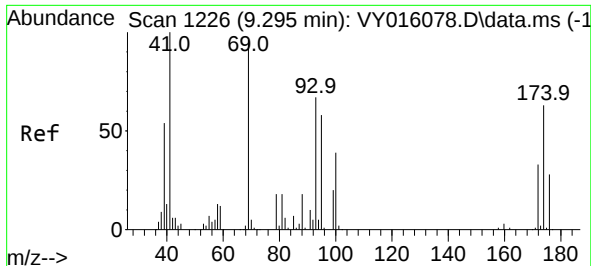
Tgt Ion: 83 Resp: 139340  
Ion Ratio Lower Upper  
83 100  
85 63.6 50.1 75.1  
127 9.0 7.1 10.7



#48  
Methyl methacrylate  
Concen: 54.463 ug/l  
RT: 9.301 min Scan# 1227  
Delta R.T. 0.000 min  
Lab File: VY016093.D  
Acq: 26 Oct 2023 21:26

Tgt Ion: 41 Resp: 62470  
Ion Ratio Lower Upper  
41 100  
69 95.7 64.5 96.7  
39 57.7 50.8 76.2





#49

1,4-Dioxane

Concen: 1145.026 ug/l

RT: 9.301 min Scan# 11

Delta R.T. -0.012 min

Lab File: VY016093.D

Acq: 26 Oct 2023 21:26

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

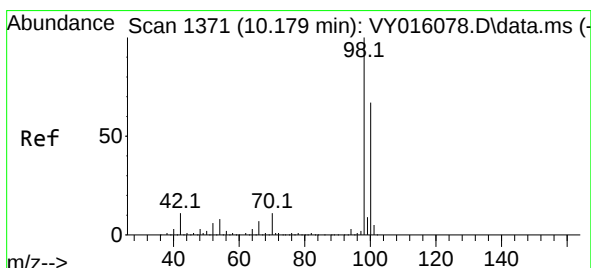
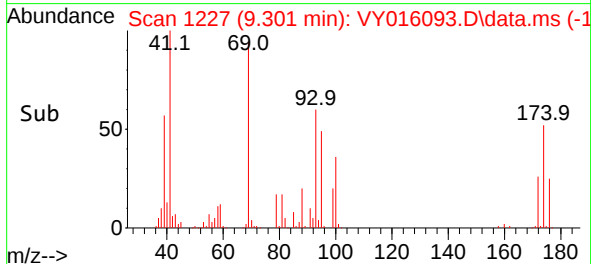
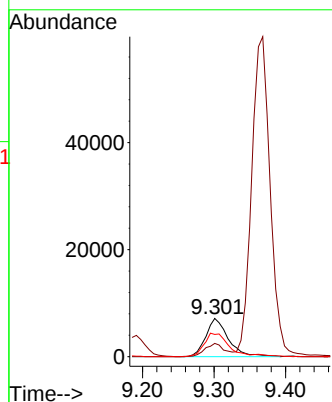
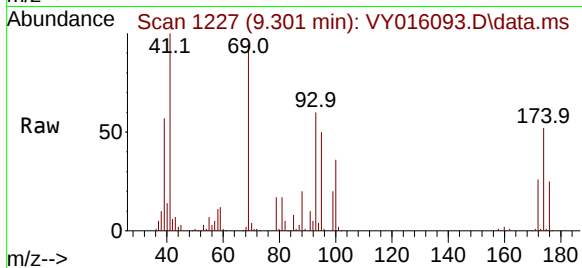
Tgt Ion: 88 Resp: 15637

Ion Ratio Lower Upper

88 100

43 30.2 0.0 0.0#

58 65.8 30.9 46.3#



#50

Toluene-d8

Concen: 54.001 ug/l

RT: 10.185 min Scan# 1372

Delta R.T. 0.000 min

Lab File: VY016093.D

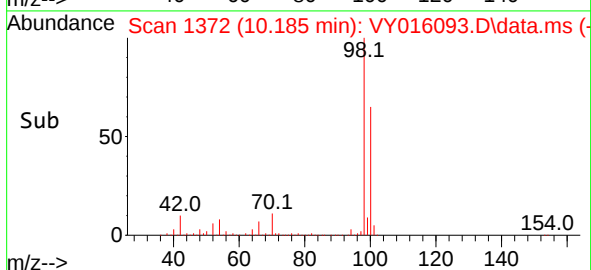
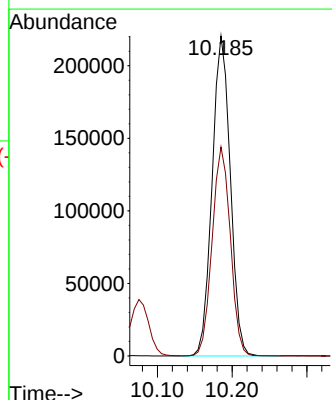
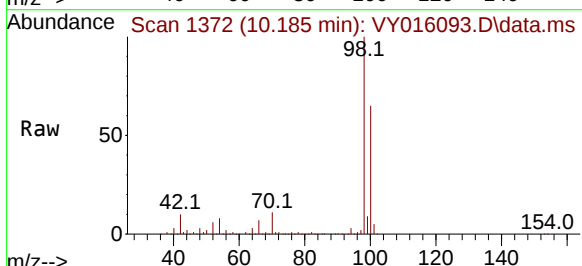
Acq: 26 Oct 2023 21:26

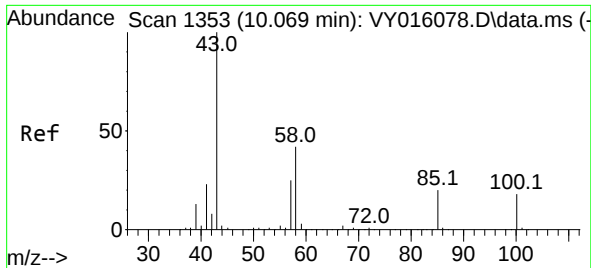
Tgt Ion: 98 Resp: 372802

Ion Ratio Lower Upper

98 100

100 65.4 50.1 75.1

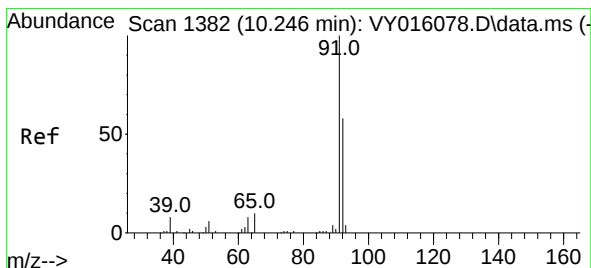
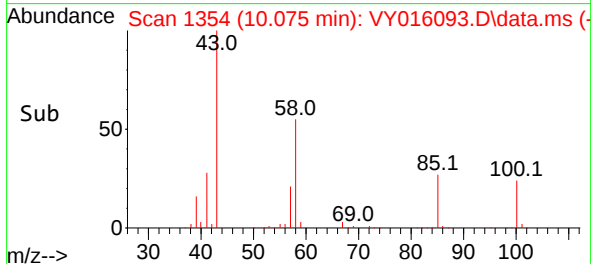
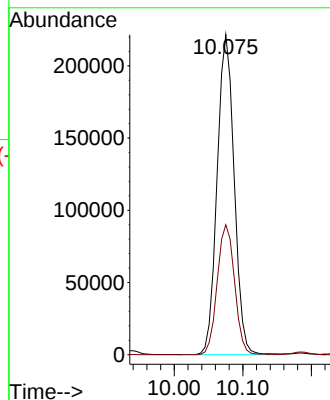
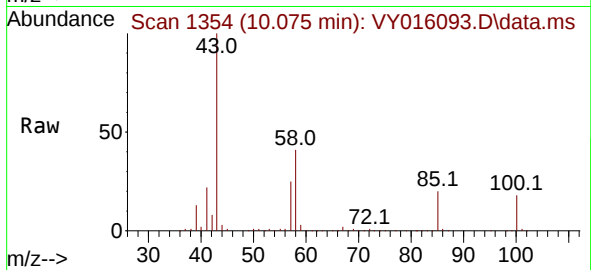




#51  
4-Methyl-2-Pentanone  
Concen: 290.383 ug/l  
RT: 10.075 min Scan# 1354  
Delta R.T. 0.000 min  
Lab File: VY016093.D  
Acq: 26 Oct 2023 21:26

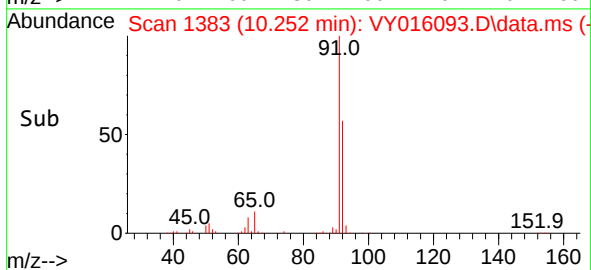
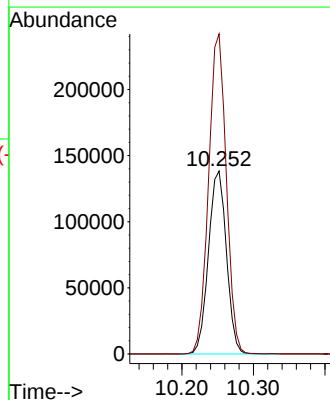
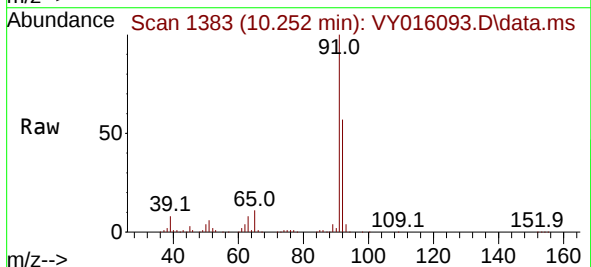
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

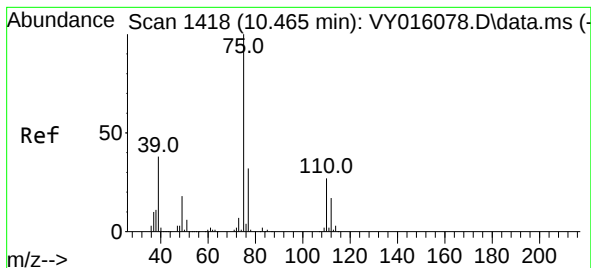
Tgt Ion: 43 Resp: 381489  
Ion Ratio Lower Upper  
43 100  
58 41.3 29.0 43.6



#52  
Toluene  
Concen: 51.042 ug/l  
RT: 10.252 min Scan# 1383  
Delta R.T. 0.006 min  
Lab File: VY016093.D  
Acq: 26 Oct 2023 21:26

Tgt Ion: 92 Resp: 241079  
Ion Ratio Lower Upper  
92 100  
91 172.8 143.8 215.6

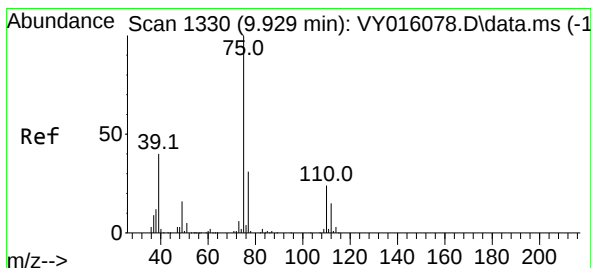
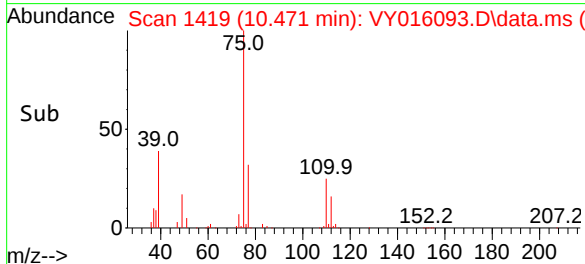
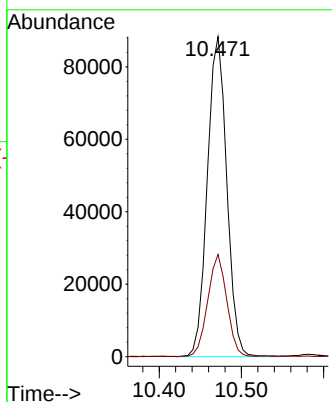
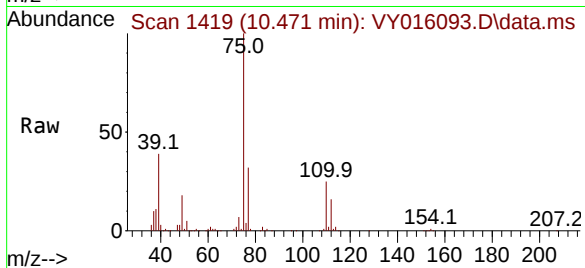




#53  
 t-1,3-Dichloropropene  
 Concen: 53.784 ug/l  
 RT: 10.471 min Scan# 1418  
 Delta R.T. 0.000 min  
 Lab File: VY016093.D  
 Acq: 26 Oct 2023 21:26

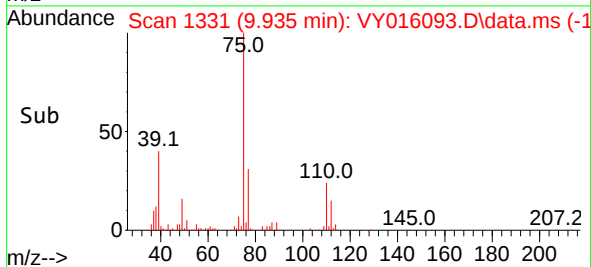
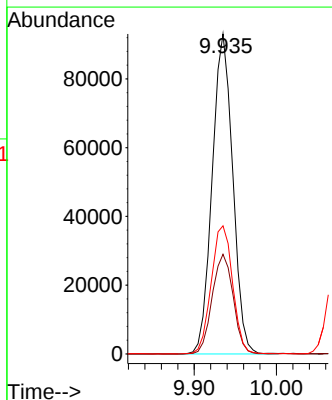
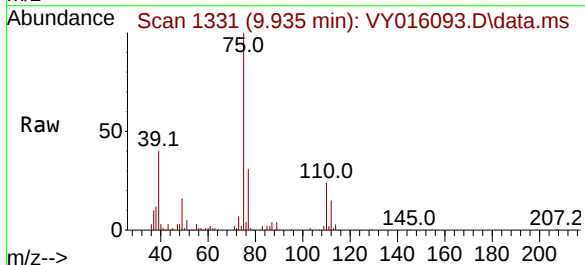
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

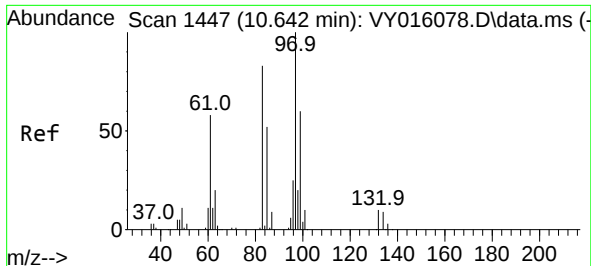
Tgt Ion: 75 Resp: 145186  
 Ion Ratio Lower Upper  
 75 100  
 77 31.8 25.0 37.4



#54  
 cis-1,3-Dichloropropene  
 Concen: 53.037 ug/l  
 RT: 9.935 min Scan# 1331  
 Delta R.T. 0.000 min  
 Lab File: VY016093.D  
 Acq: 26 Oct 2023 21:26

Tgt Ion: 75 Resp: 161909  
 Ion Ratio Lower Upper  
 75 100  
 77 31.1 24.2 36.4  
 39 40.1 42.2 63.4#

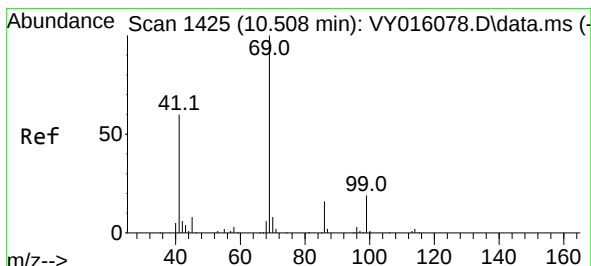
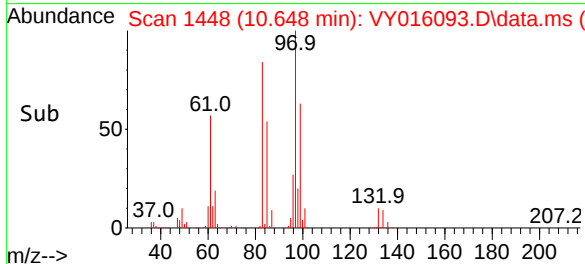
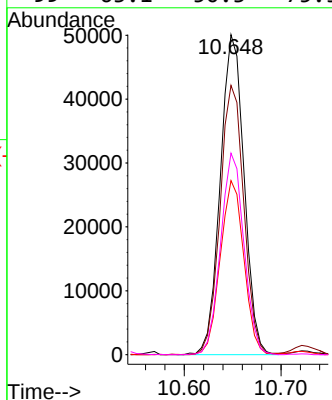
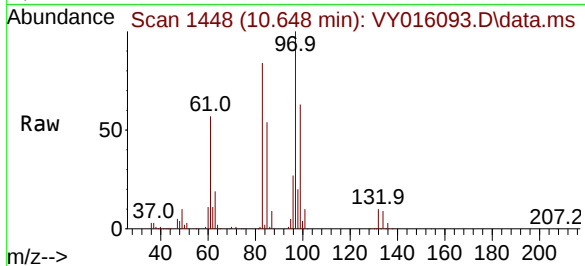




#55  
1,1,2-Trichloroethane  
Concen: 55.154 ug/l  
RT: 10.648 min Scan# 1447  
Delta R.T. 0.000 min  
Lab File: VY016093.D  
Acq: 26 Oct 2023 21:26

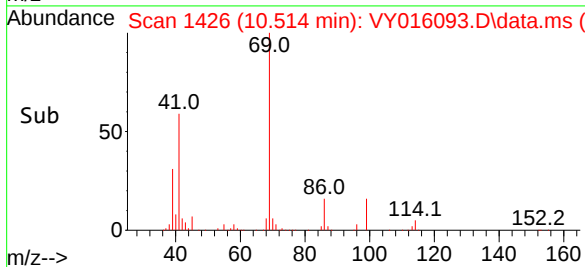
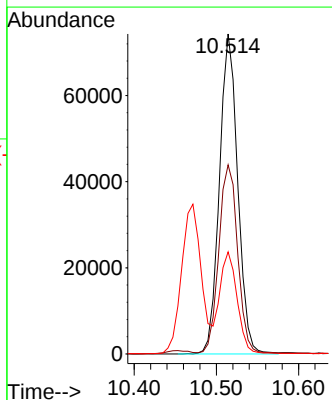
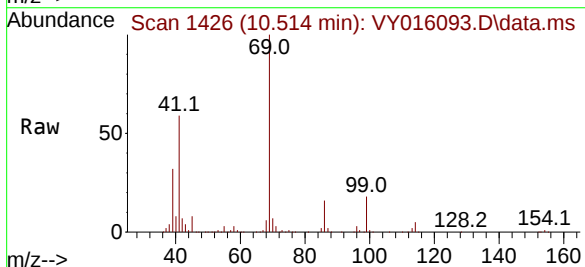
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

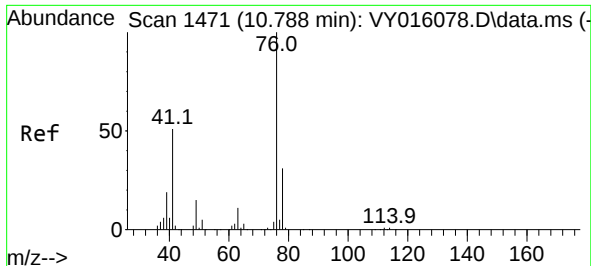
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 85537 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 84.3  | 72.0  | 108.0 |
| 85       | 54.4  | 45.4  | 68.0  |
| 99       | 63.1  | 50.3  | 75.5  |



#56  
Ethyl methacrylate  
Concen: 57.642 ug/l  
RT: 10.514 min Scan# 1426  
Delta R.T. 0.000 min  
Lab File: VY016093.D  
Acq: 26 Oct 2023 21:26

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 114887 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 60.6  | 57.6  | 86.4   |
| 39       | 29.8  | 34.1  | 51.1#  |





#57

1,3-Dichloropropane

Concen: 54.817 ug/l

RT: 10.795 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VY016093.D

Acq: 26 Oct 2023 21:26

Instrument :

MSVOA\_Y

ClientSampleId :

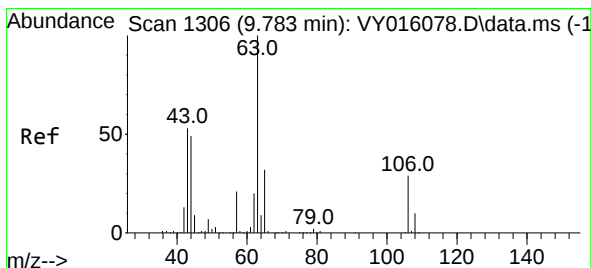
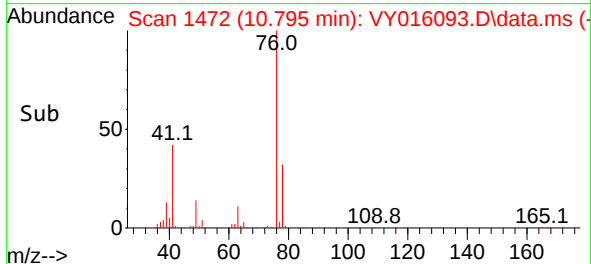
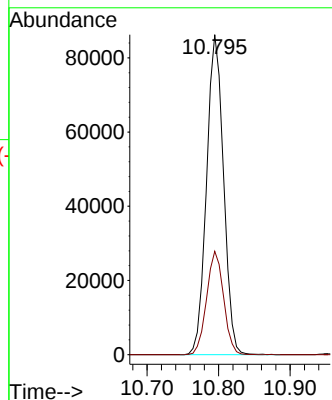
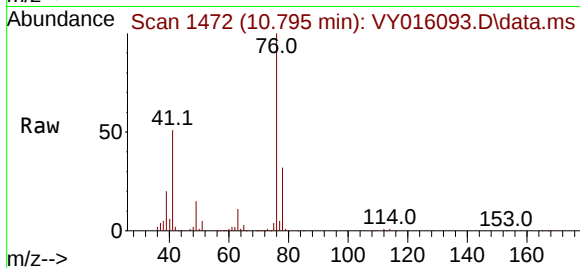
VSTDCCC050EC

Tgt Ion: 76 Resp: 142111

Ion Ratio Lower Upper

76 100

78 32.3 25.3 37.9



#58

2-Chloroethyl Vinyl ether

Concen: 288.620 ug/l

RT: 9.789 min Scan# 1307

Delta R.T. 0.000 min

Lab File: VY016093.D

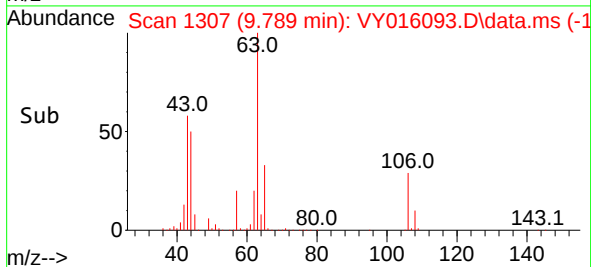
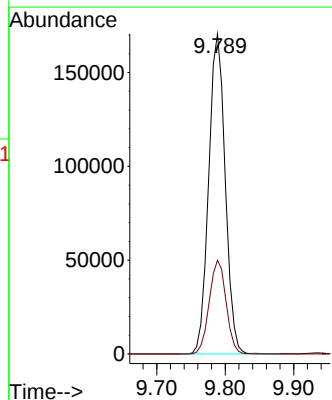
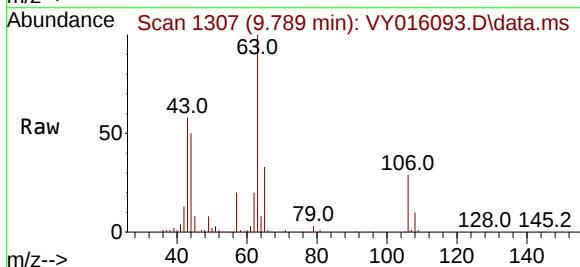
Acq: 26 Oct 2023 21:26

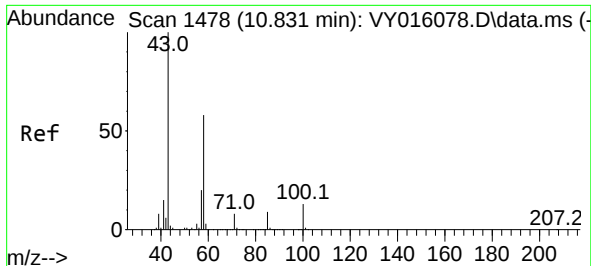
Tgt Ion: 63 Resp: 286378

Ion Ratio Lower Upper

63 100

106 29.8 21.2 31.8

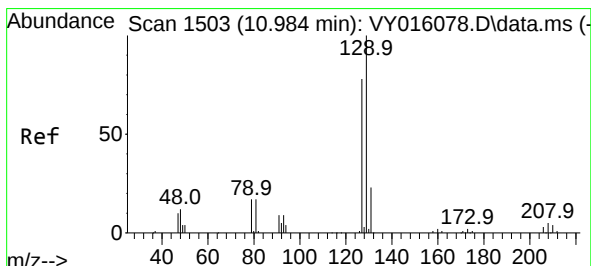
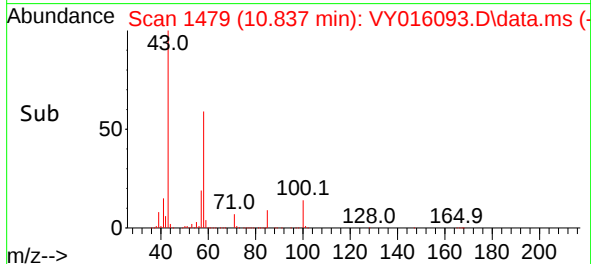
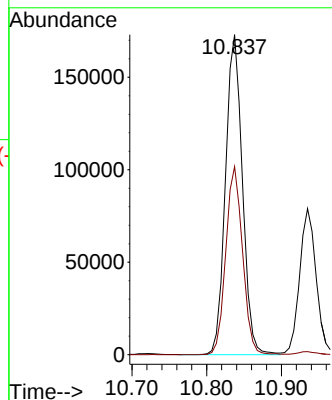
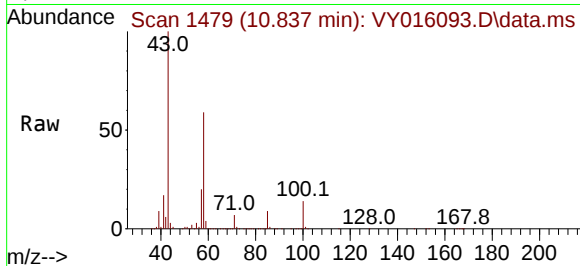




#59  
2-Hexanone  
Concen: 281.953 ug/l  
RT: 10.837 min Scan# 1478  
Delta R.T. 0.000 min  
Lab File: VY016093.D  
Acq: 26 Oct 2023 21:26

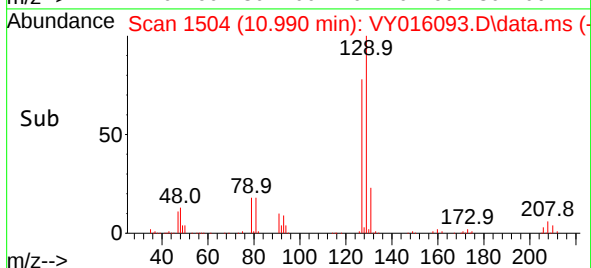
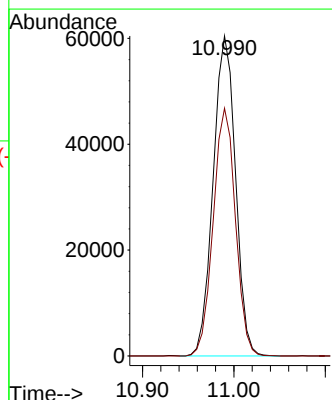
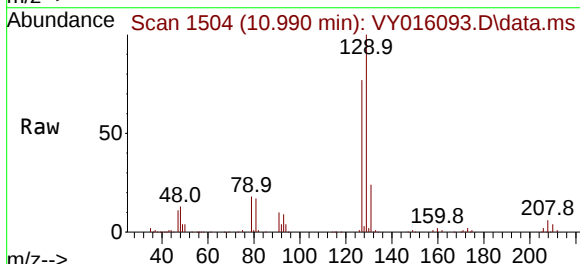
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

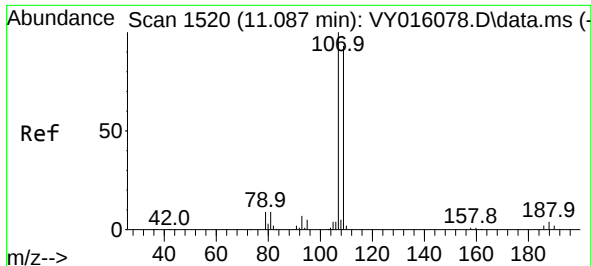
Tgt Ion: 43 Resp: 272859  
Ion Ratio Lower Upper  
43 100  
58 58.3 25.1 75.3



#60  
Dibromochloromethane  
Concen: 54.131 ug/l  
RT: 10.990 min Scan# 1504  
Delta R.T. 0.000 min  
Lab File: VY016093.D  
Acq: 26 Oct 2023 21:26

Tgt Ion: 129 Resp: 102802  
Ion Ratio Lower Upper  
129 100  
127 76.9 38.5 115.5

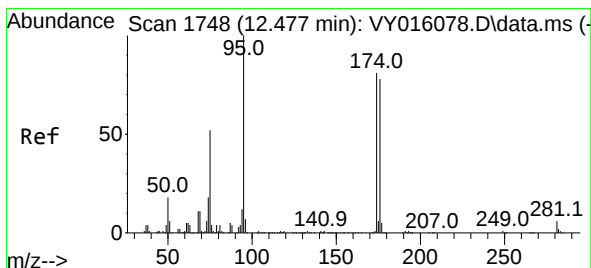
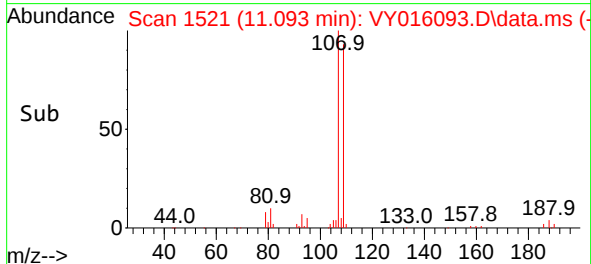
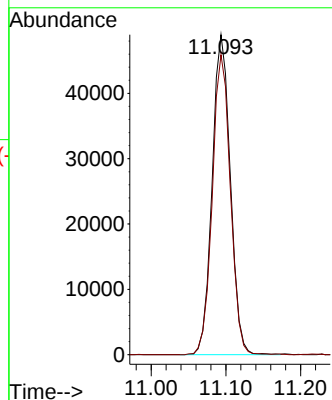
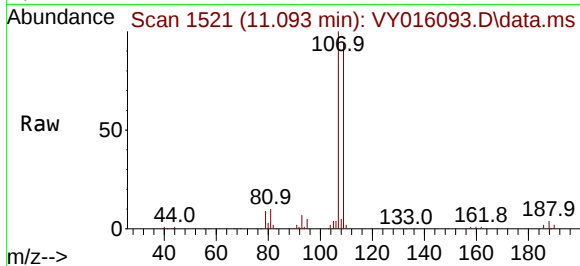




#61  
1,2-Dibromoethane  
Concen: 55.767 ug/l  
RT: 11.093 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY016093.D  
Acq: 26 Oct 2023 21:26

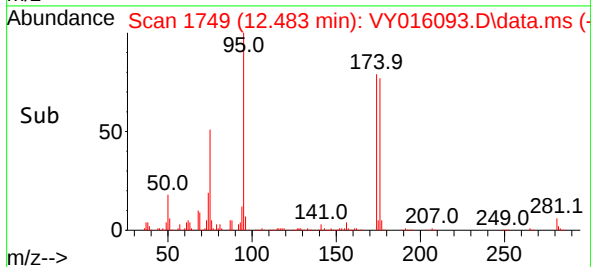
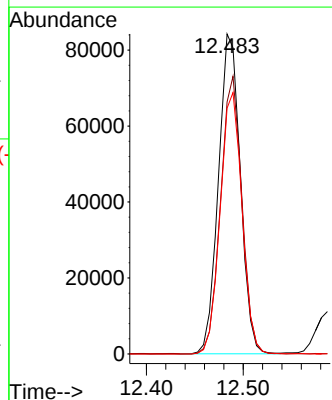
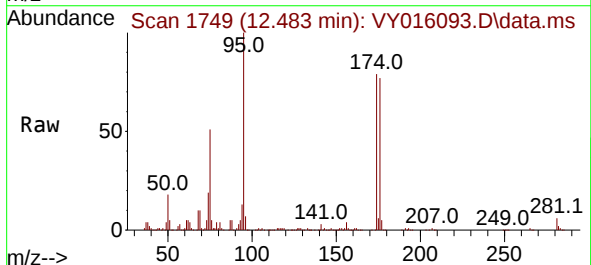
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

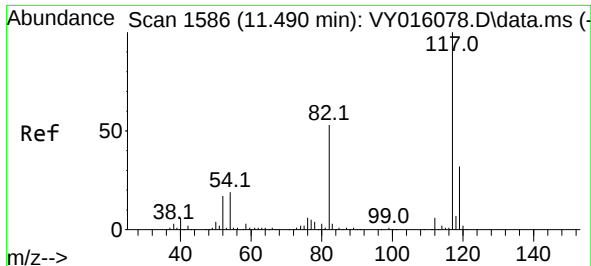
Tgt Ion:107 Resp: 82816  
Ion Ratio Lower Upper  
107 100  
109 93.3 75.6 113.4



#62  
4-Bromofluorobenzene  
Concen: 55.677 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY016093.D  
Acq: 26 Oct 2023 21:26

Tgt Ion: 95 Resp: 131849  
Ion Ratio Lower Upper  
95 100  
174 84.8 0.0 178.2  
176 81.6 0.0 173.8

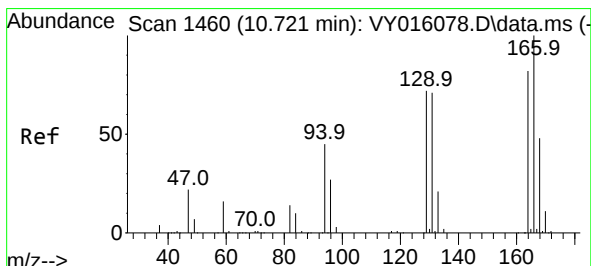
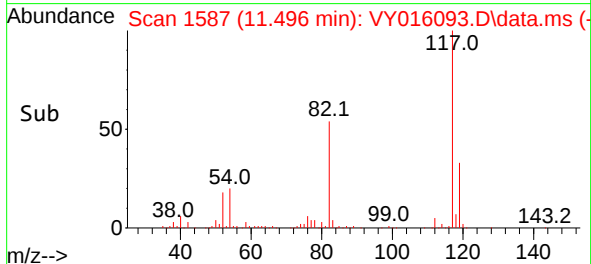
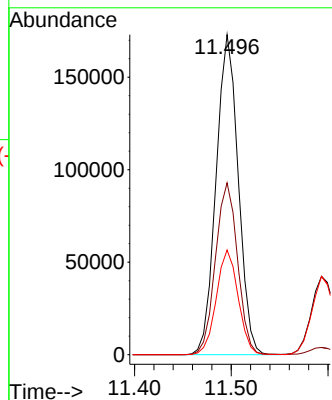
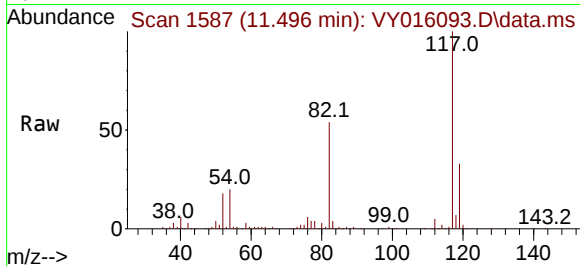




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY016093.D  
Acq: 26 Oct 2023 21:26

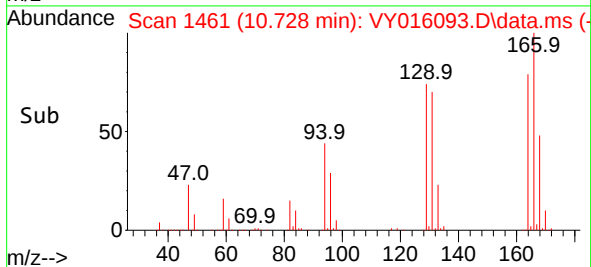
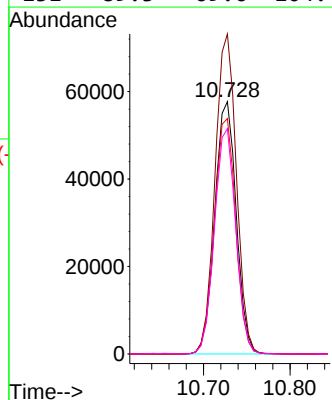
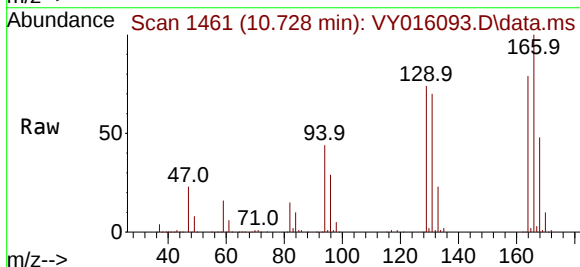
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

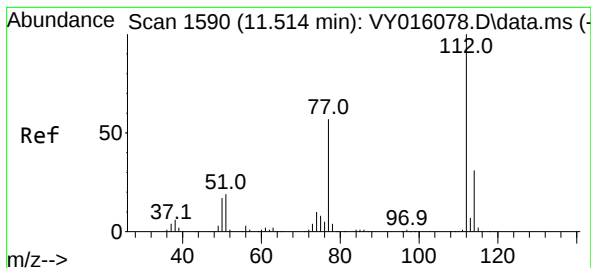
Tgt Ion:117 Resp: 275036  
Ion Ratio Lower Upper  
117 100  
82 53.7 43.4 65.0  
119 32.7 26.3 39.5



#64  
Tetrachloroethene  
Concen: 54.634 ug/l  
RT: 10.728 min Scan# 1461  
Delta R.T. 0.000 min  
Lab File: VY016093.D  
Acq: 26 Oct 2023 21:26

Tgt Ion:164 Resp: 99437  
Ion Ratio Lower Upper  
164 100  
166 126.8 103.0 154.6  
129 93.3 77.2 115.8  
131 89.3 69.6 104.4





#65

Chlorobenzene

Concen: 49.557 ug/l

RT: 11.520 min Scan# 1591

Delta R.T. 0.000 min

Lab File: VY016093.D

Acq: 26 Oct 2023 21:26

Instrument :

MSVOA\_Y

ClientSampleId :

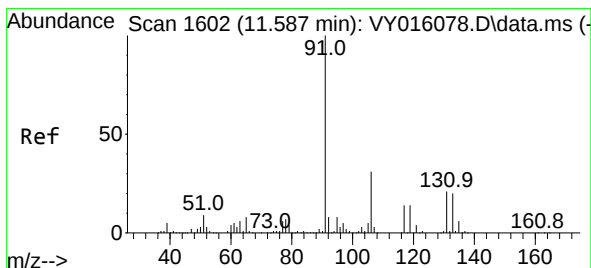
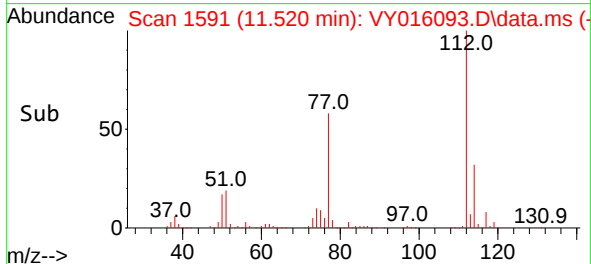
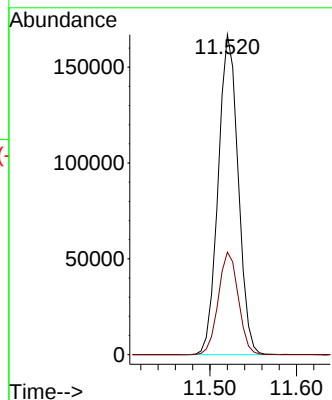
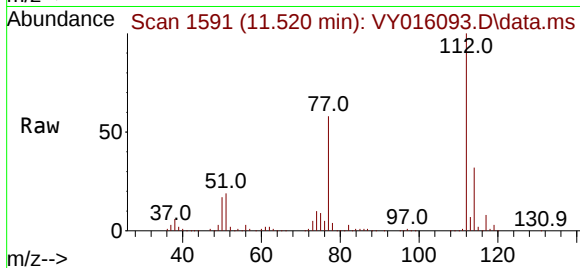
VSTDCCC050EC

Tgt Ion:112 Resp: 267849

Ion Ratio Lower Upper

112 100

114 32.1 25.5 38.3



#66

1,1,1,2-Tetrachloroethane

Concen: 51.258 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. 0.000 min

Lab File: VY016093.D

Acq: 26 Oct 2023 21:26

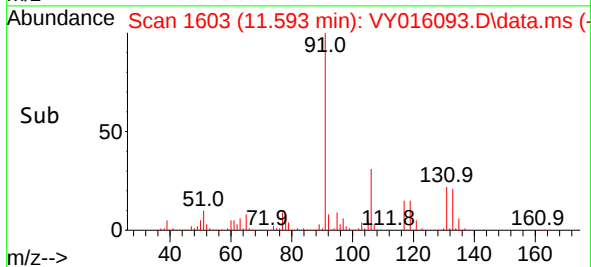
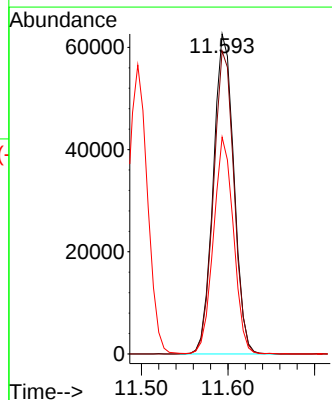
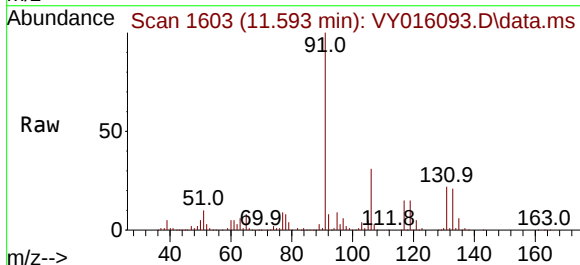
Tgt Ion:131 Resp: 103463

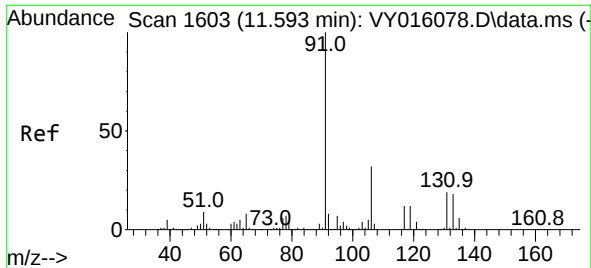
Ion Ratio Lower Upper

131 100

133 94.4 47.5 142.6

119 65.9 31.6 94.7

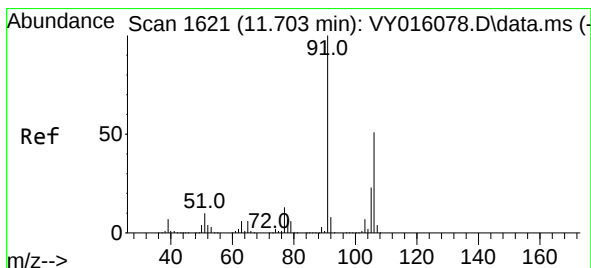
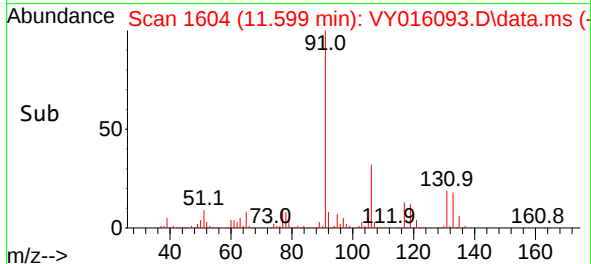
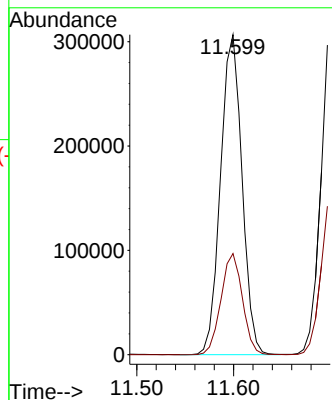
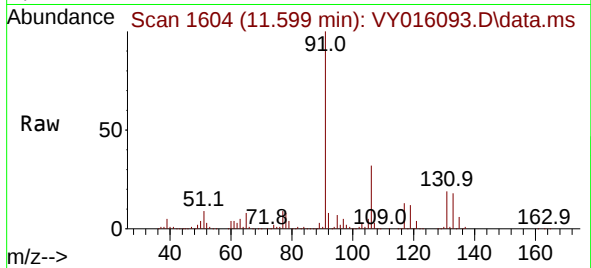




#67  
Ethyl Benzene  
Concen: 49.228 ug/l  
RT: 11.599 min Scan# 1604  
Delta R.T. 0.000 min  
Lab File: VY016093.D  
Acq: 26 Oct 2023 21:26

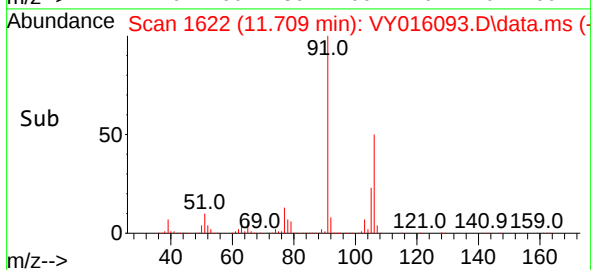
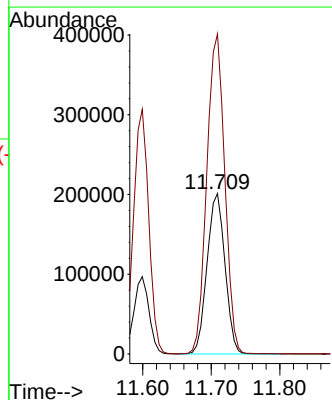
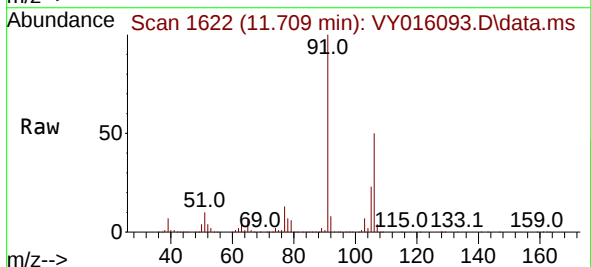
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

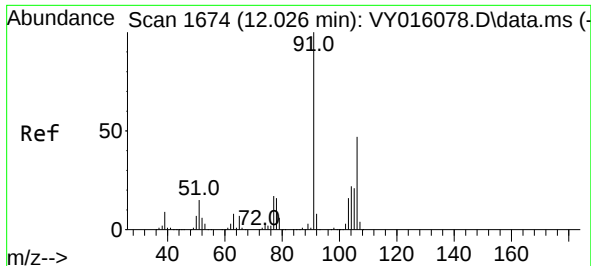
Tgt Ion: 91 Resp: 472596  
Ion Ratio Lower Upper  
91 100  
106 31.6 24.6 36.8



#68  
m/p-Xylenes  
Concen: 98.380 ug/l  
RT: 11.709 min Scan# 1622  
Delta R.T. 0.000 min  
Lab File: VY016093.D  
Acq: 26 Oct 2023 21:26

Tgt Ion:106 Resp: 365500  
Ion Ratio Lower Upper  
106 100  
91 200.2 166.1 249.1





#69

o-Xylene

Concen: 50.179 ug/l

RT: 12.032 min Scan# 1675

Delta R.T. 0.000 min

Lab File: VY016093.D

Acq: 26 Oct 2023 21:26

Instrument :

MSVOA\_Y

ClientSampleId :

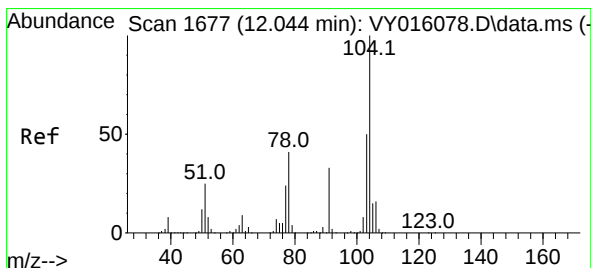
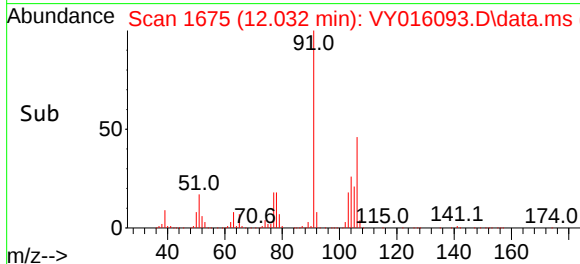
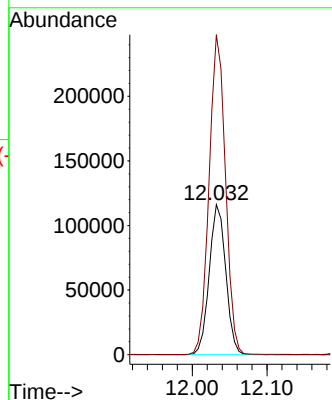
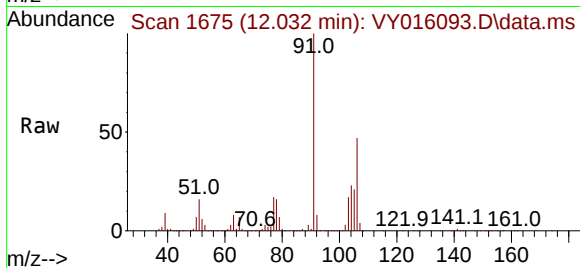
VSTDCCC050EC

Tgt Ion:106 Resp: 178473

Ion Ratio Lower Upper

106 100

91 211.4 108.1 324.3



#70

Styrene

Concen: 51.840 ug/l

RT: 12.050 min Scan# 1678

Delta R.T. 0.000 min

Lab File: VY016093.D

Acq: 26 Oct 2023 21:26

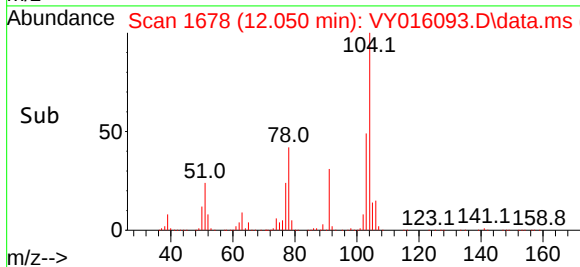
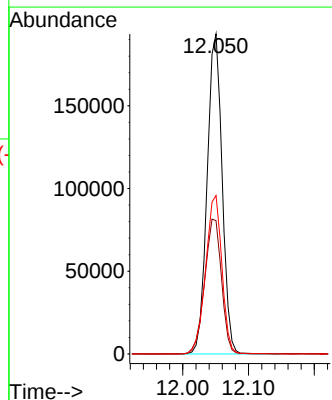
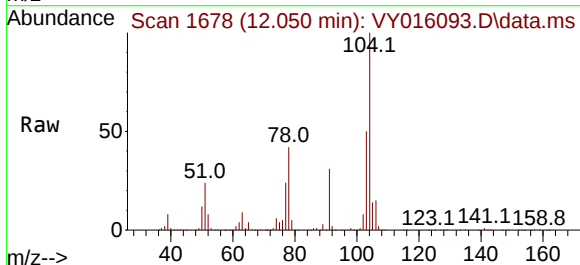
Tgt Ion:104 Resp: 307351

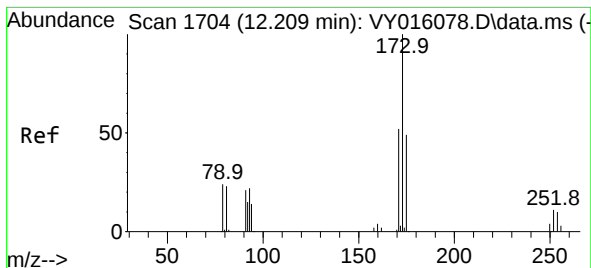
Ion Ratio Lower Upper

104 100

78 47.2 41.5 62.3

103 53.7 44.6 67.0





#71

Bromoform

Concen: 53.930 ug/l

RT: 12.215 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY016093.D

Acq: 26 Oct 2023 21:26

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

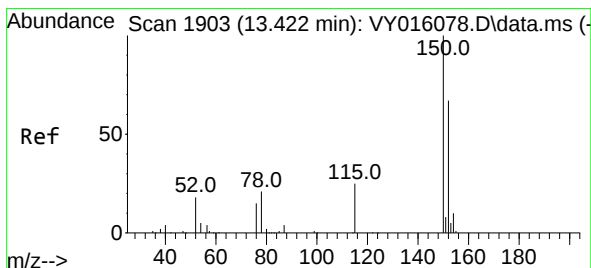
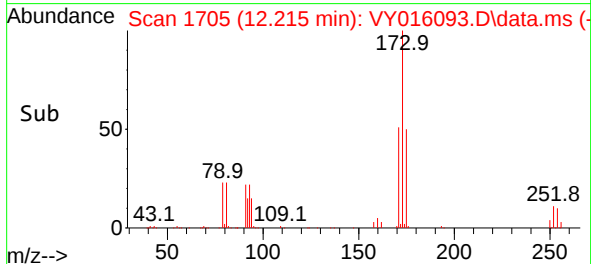
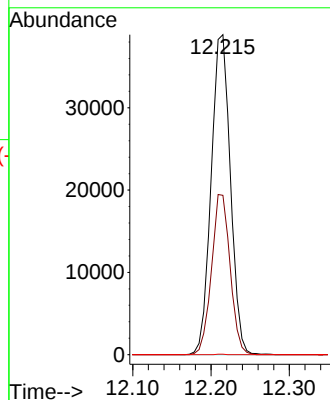
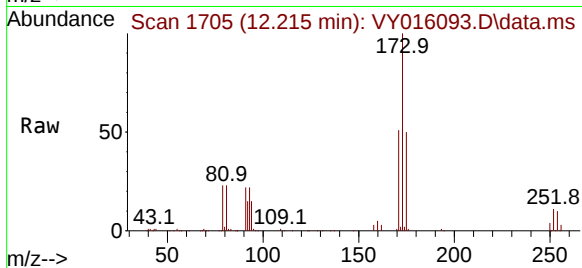
Tgt Ion:173 Resp: 66308

Ion Ratio Lower Upper

173 100

175 48.4 24.6 73.8

254 0.1 0.2 0.2#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY016093.D

Acq: 26 Oct 2023 21:26

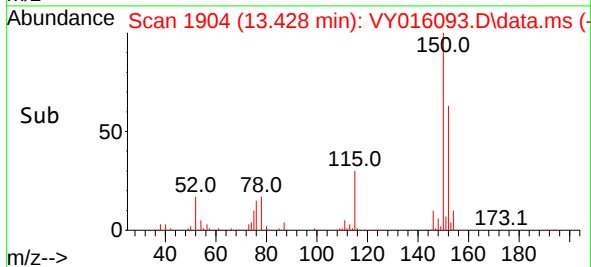
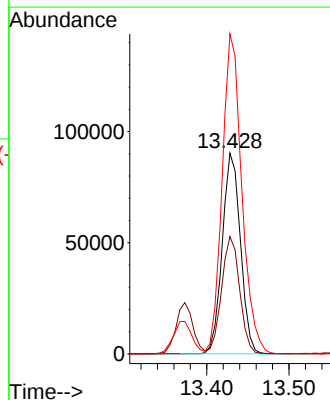
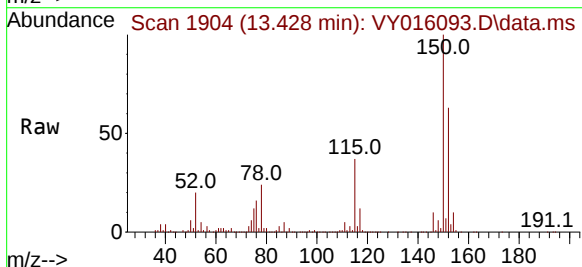
Tgt Ion:152 Resp: 138425

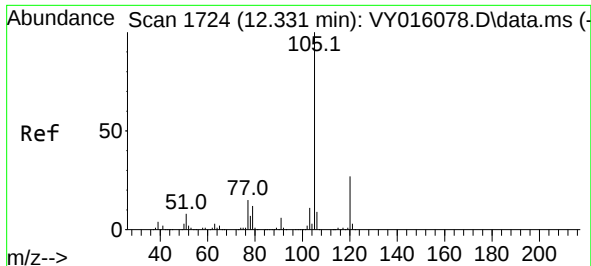
Ion Ratio Lower Upper

152 100

115 57.9 28.8 86.5

150 172.8 0.0 348.8

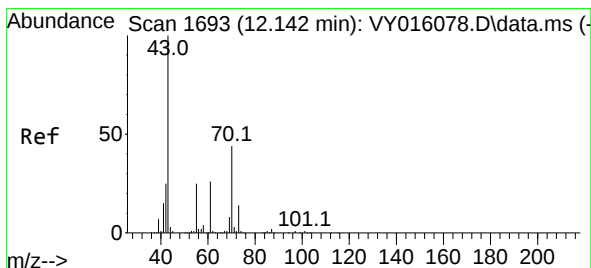
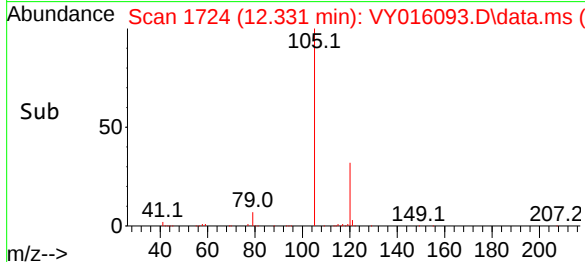
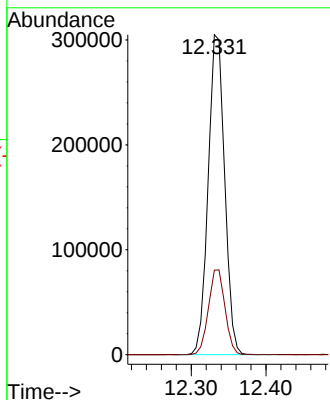
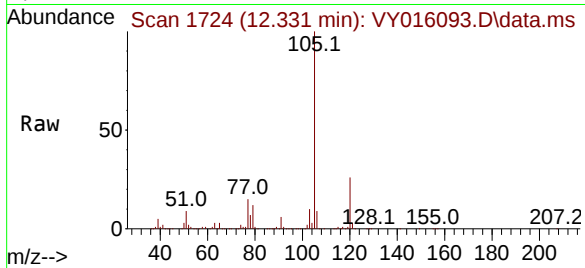




#73  
Isopropylbenzene  
Concen: 47.986 ug/l  
RT: 12.331 min Scan# 1724  
Delta R.T. 0.000 min  
Lab File: VY016093.D  
Acq: 26 Oct 2023 21:26

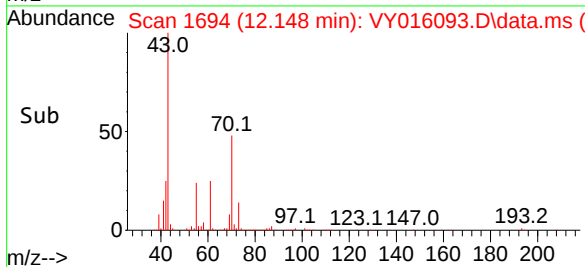
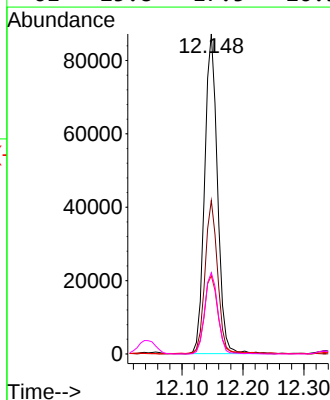
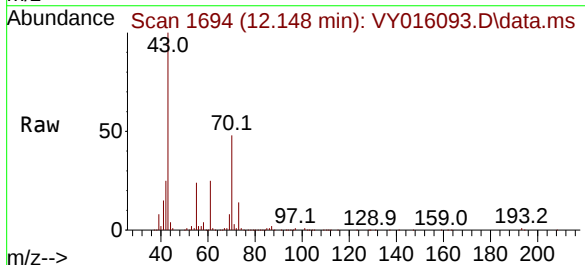
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

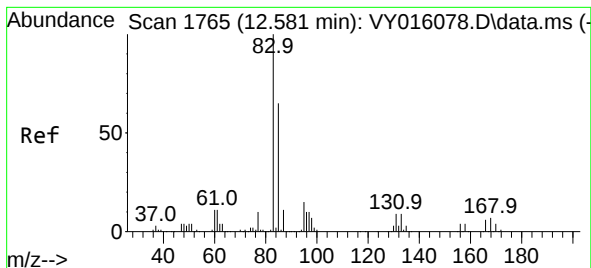
Tgt Ion:105 Resp: 467475  
Ion Ratio Lower Upper  
105 100  
120 26.6 13.3 39.9



#74  
N-ethyl acetate  
Concen: 53.750 ug/l  
RT: 12.148 min Scan# 1694  
Delta R.T. 0.000 min  
Lab File: VY016093.D  
Acq: 26 Oct 2023 21:26

Tgt Ion: 43 Resp: 127679  
Ion Ratio Lower Upper  
43 100  
70 47.0 29.7 44.5#  
55 26.8 18.3 27.5  
61 25.8 17.5 26.3





#75

1,1,2,2-Tetrachloroethane

Concen: 52.715 ug/l

RT: 12.587 min Scan# 1766

Delta R.T. 0.000 min

Lab File: VY016093.D

Acq: 26 Oct 2023 21:26

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

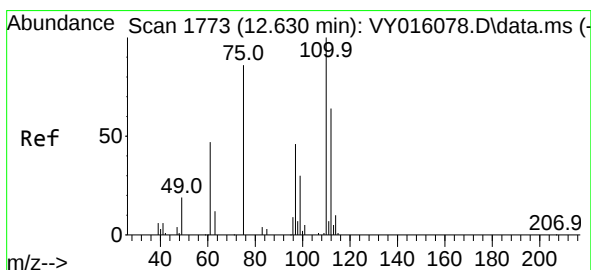
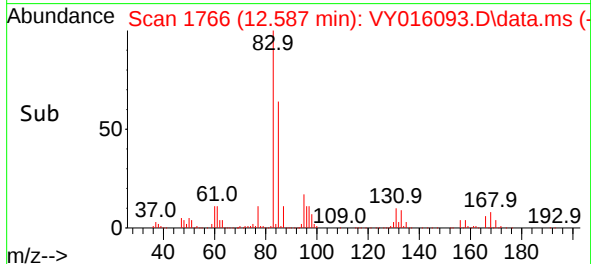
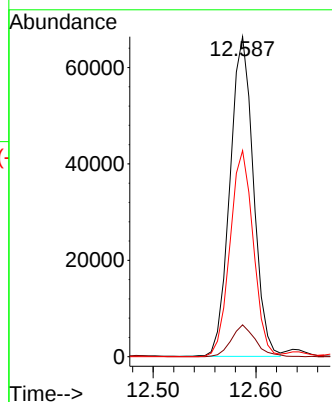
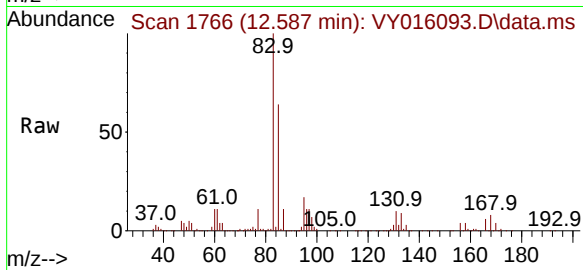
Tgt Ion: 83 Resp: 104977

Ion Ratio Lower Upper

83 100

131 10.3 5.4 16.2

85 64.2 31.8 95.4



#76

1,2,3-Trichloropropane

Concen: 90.741 ug/l

RT: 12.636 min Scan# 1774

Delta R.T. 0.000 min

Lab File: VY016093.D

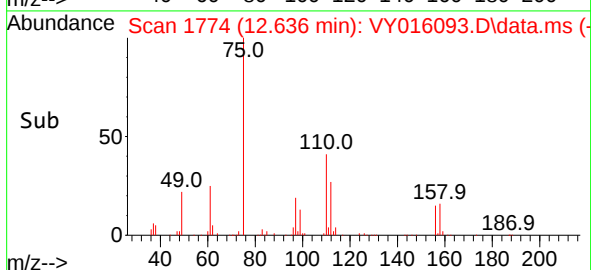
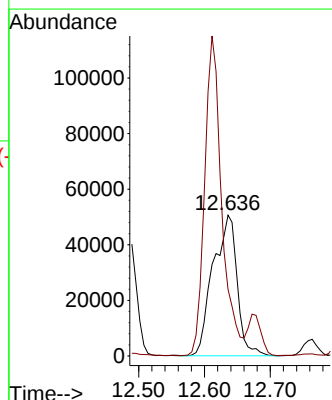
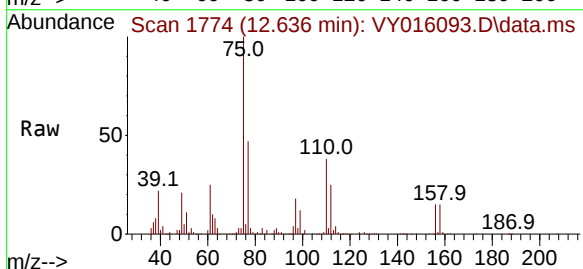
Acq: 26 Oct 2023 21:26

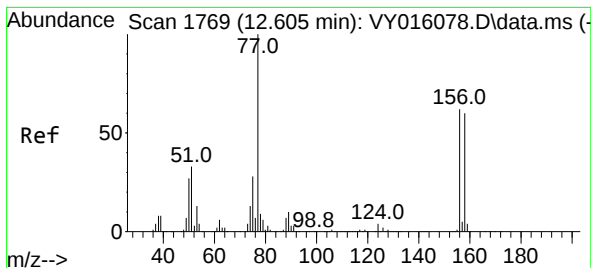
Tgt Ion: 75 Resp: 129114

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 49.918 ug/l

RT: 12.611 min Scan# 1770

Delta R.T. 0.000 min

Lab File: VY016093.D

Acq: 26 Oct 2023 21:26

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

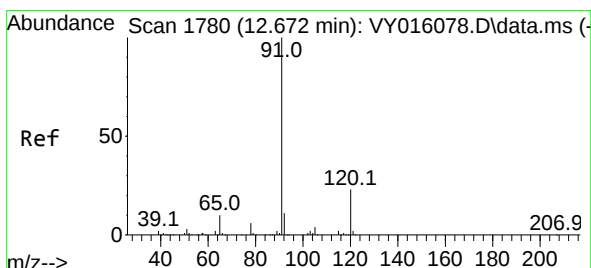
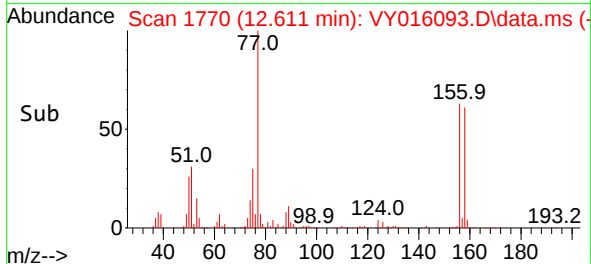
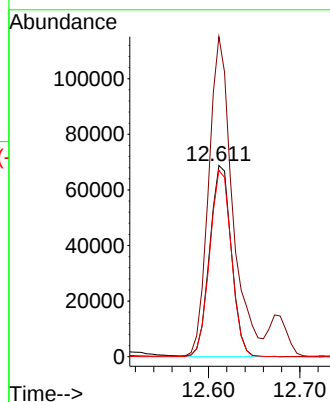
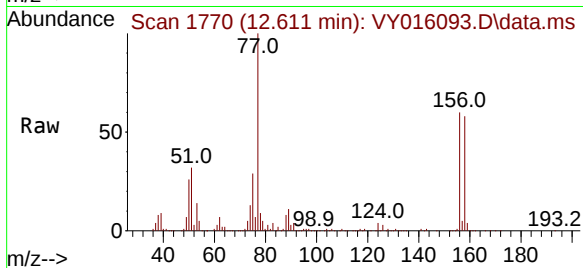
Tgt Ion:156 Resp: 113493

Ion Ratio Lower Upper

156 100

77 183.6 92.8 278.6

158 97.2 48.4 145.3



#78

n-propylbenzene

Concen: 47.905 ug/l

RT: 12.678 min Scan# 1781

Delta R.T. 0.006 min

Lab File: VY016093.D

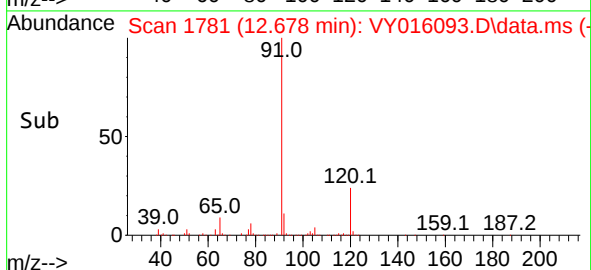
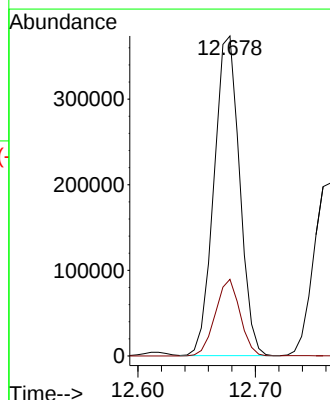
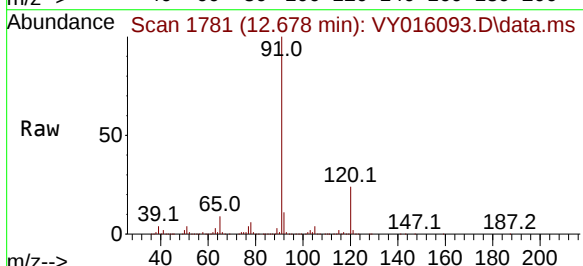
Acq: 26 Oct 2023 21:26

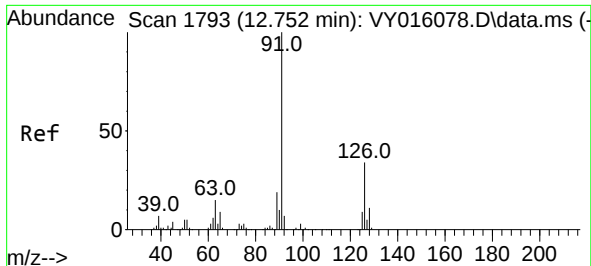
Tgt Ion: 91 Resp: 565069

Ion Ratio Lower Upper

91 100

120 23.2 11.5 34.4

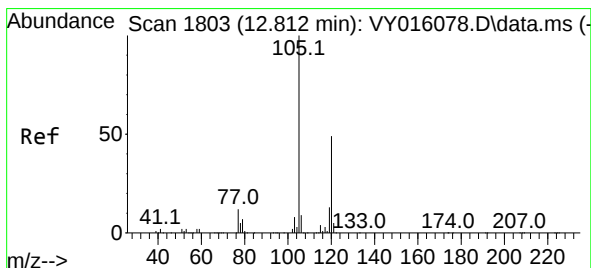
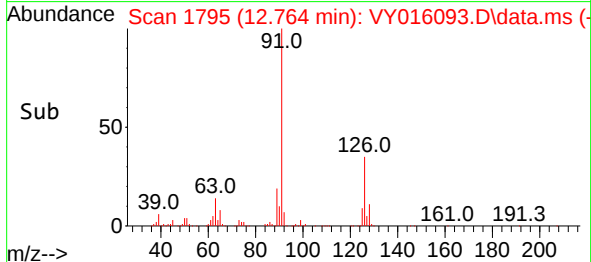
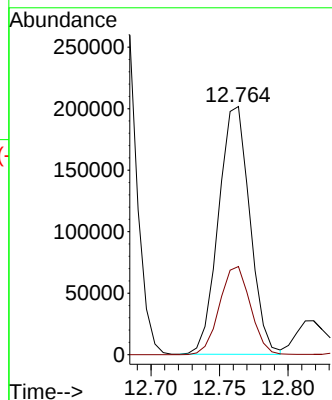
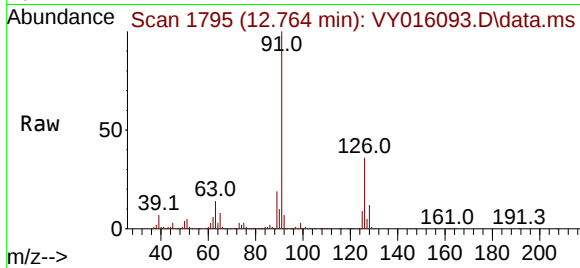




#79  
2-Chlorotoluene  
Concen: 48.585 ug/l  
RT: 12.764 min Scan# 1795  
Delta R.T. 0.006 min  
Lab File: VY016093.D  
Acq: 26 Oct 2023 21:26

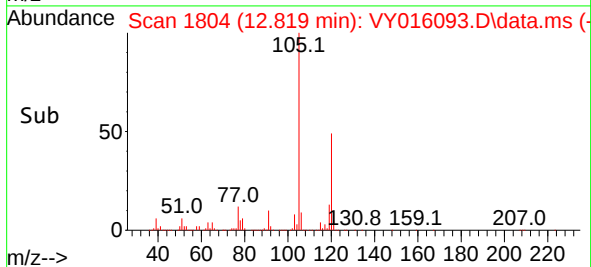
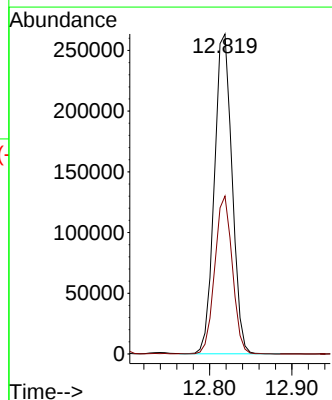
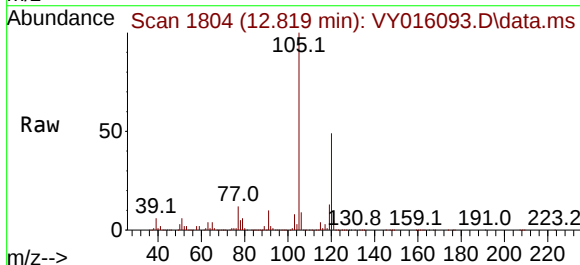
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

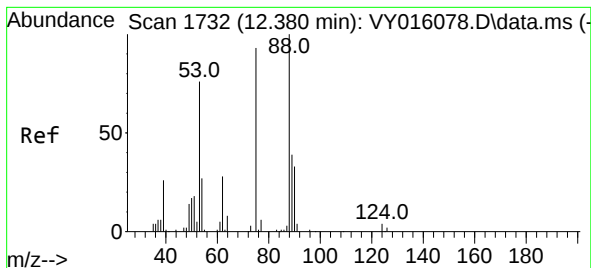
Tgt Ion: 91 Resp: 320963  
Ion Ratio Lower Upper  
91 100  
126 35.2 17.3 51.7



#80  
1,3,5-Trimethylbenzene  
Concen: 48.711 ug/l  
RT: 12.819 min Scan# 1804  
Delta R.T. 0.006 min  
Lab File: VY016093.D  
Acq: 26 Oct 2023 21:26

Tgt Ion: 105 Resp: 393986  
Ion Ratio Lower Upper  
105 100  
120 48.9 23.9 71.7

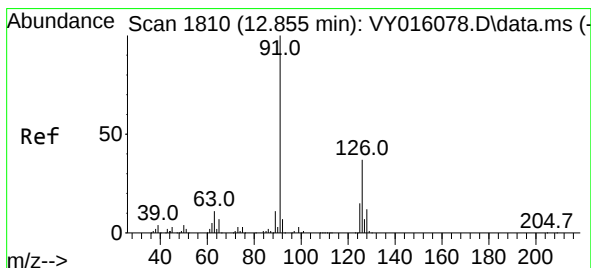
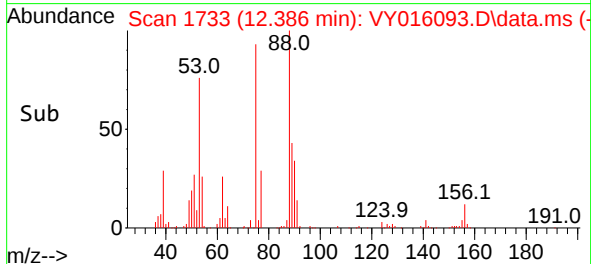
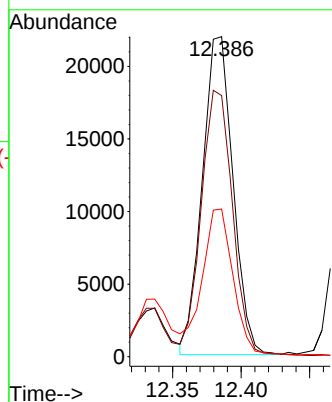
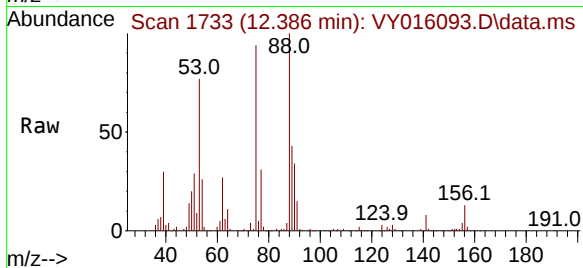




#81  
trans-1,4-Dichloro-2-butene  
Concen: 52.440 ug/l  
RT: 12.386 min Scan# 1732  
Delta R.T. 0.006 min  
Lab File: VY016093.D  
Acq: 26 Oct 2023 21:26

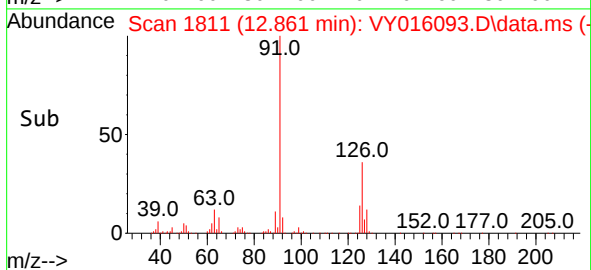
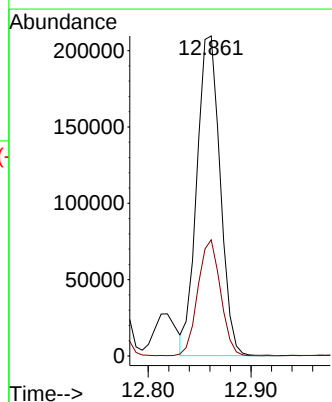
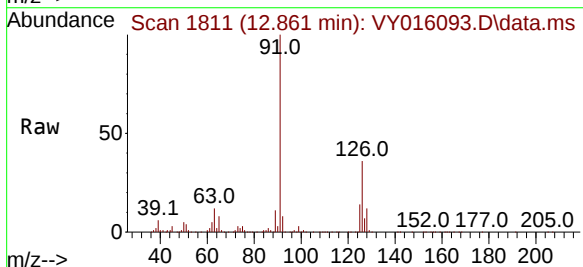
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

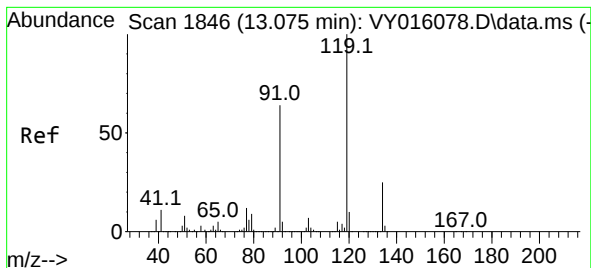
Tgt Ion: 75 Resp: 34104  
Ion Ratio Lower Upper  
75 100  
53 85.6 77.8 116.8  
89 47.8 37.4 56.0



#82  
4-Chlorotoluene  
Concen: 48.232 ug/l  
RT: 12.861 min Scan# 1811  
Delta R.T. 0.006 min  
Lab File: VY016093.D  
Acq: 26 Oct 2023 21:26

Tgt Ion: 91 Resp: 330435  
Ion Ratio Lower Upper  
91 100  
126 35.3 17.2 51.6





#83

tert-Butylbenzene

Concen: 48.844 ug/l

RT: 13.081 min Scan# 1847

Delta R.T. 0.000 min

Lab File: VY016093.D

Acq: 26 Oct 2023 21:26

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

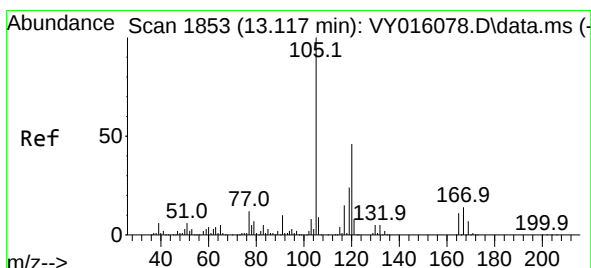
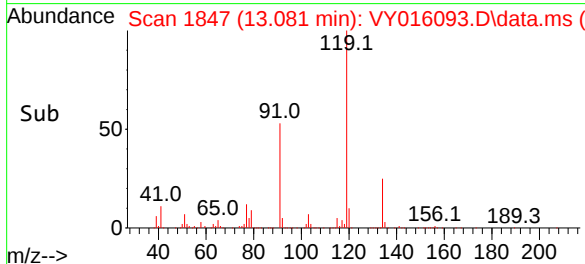
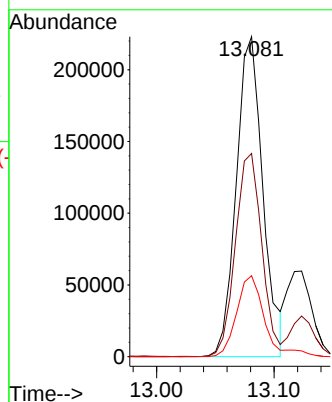
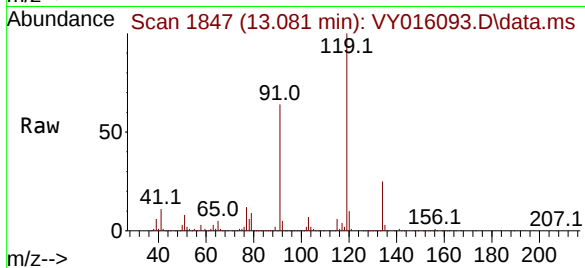
Tgt Ion:119 Resp: 351158

Ion Ratio Lower Upper

119 100

91 63.0 32.9 98.6

134 26.6 13.0 38.9



#84

1,2,4-Trimethylbenzene

Concen: 48.870 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. 0.000 min

Lab File: VY016093.D

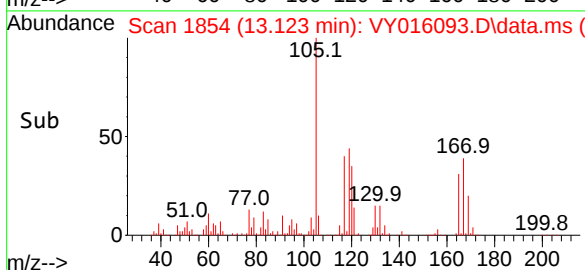
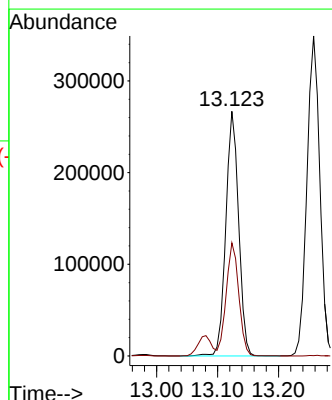
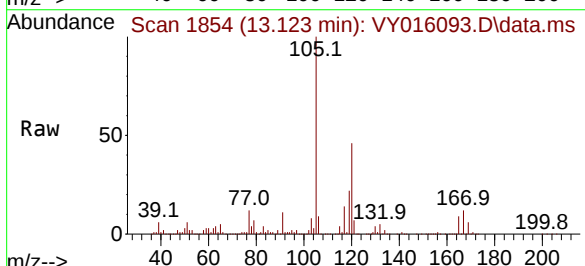
Acq: 26 Oct 2023 21:26

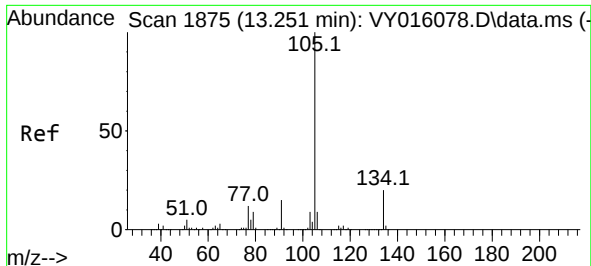
Tgt Ion:105 Resp: 390383

Ion Ratio Lower Upper

105 100

120 45.3 22.2 66.6

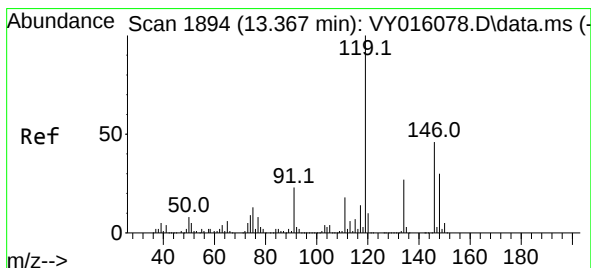
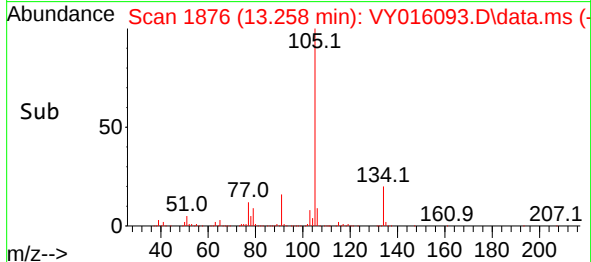
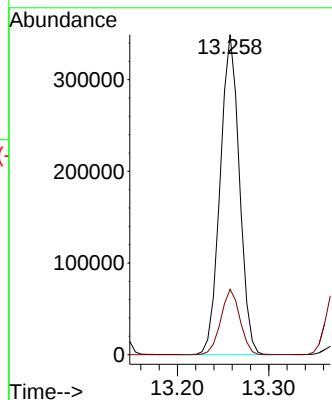
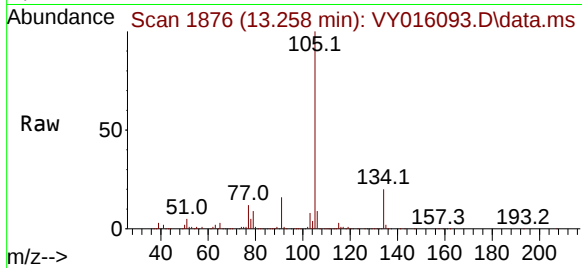




#85  
 sec-Butylbenzene  
 Concen: 47.715 ug/l  
 RT: 13.258 min Scan# 1875  
 Delta R.T. 0.000 min  
 Lab File: VY016093.D  
 Acq: 26 Oct 2023 21:26

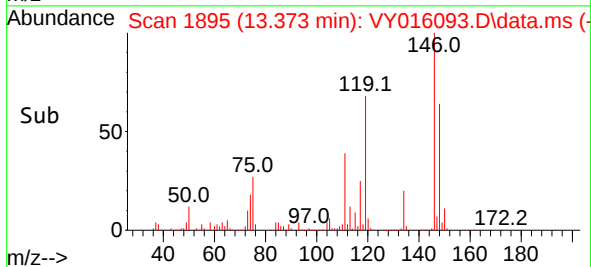
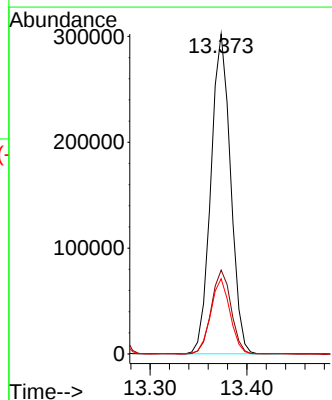
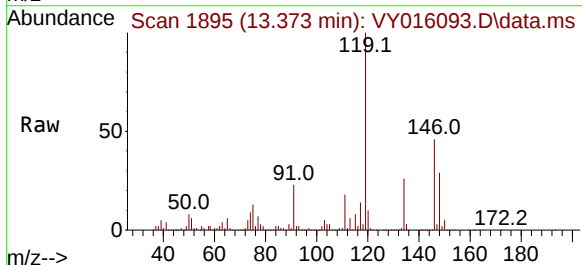
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

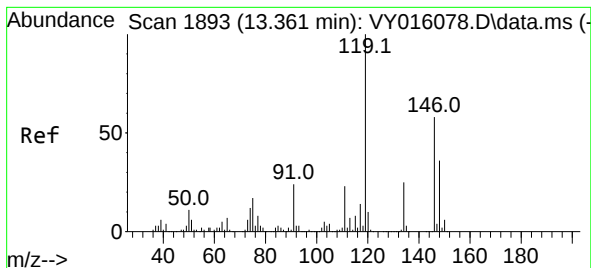
Tgt Ion:105 Resp: 510930  
 Ion Ratio Lower Upper  
 105 100  
 134 20.3 10.2 30.6



#86  
 p-Isopropyltoluene  
 Concen: 47.737 ug/l  
 RT: 13.373 min Scan# 1895  
 Delta R.T. 0.000 min  
 Lab File: VY016093.D  
 Acq: 26 Oct 2023 21:26

Tgt Ion:119 Resp: 426532  
 Ion Ratio Lower Upper  
 119 100  
 134 26.3 13.3 39.8  
 91 23.0 12.4 37.4





#87

1,3-Dichlorobenzene

Concen: 48.752 ug/l

RT: 13.367 min Scan# 1893

Delta R.T. 0.000 min

Lab File: VY016093.D

Acq: 26 Oct 2023 21:26

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

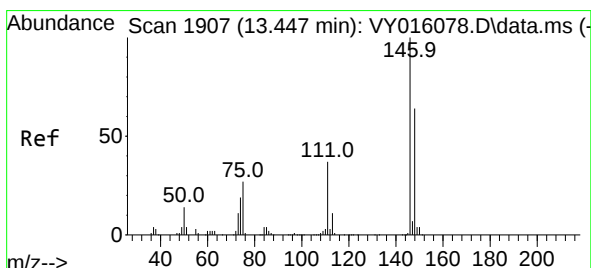
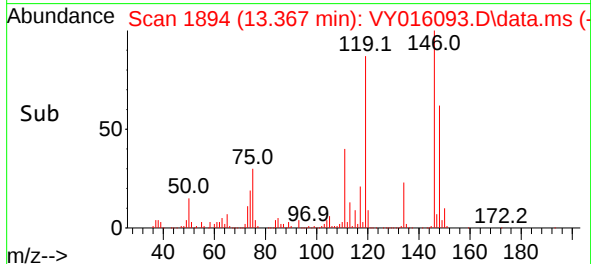
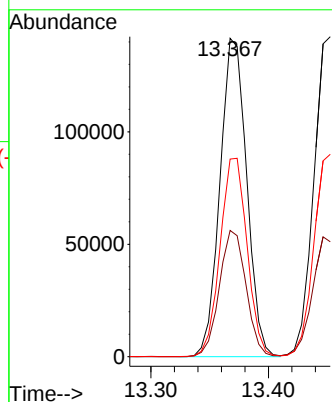
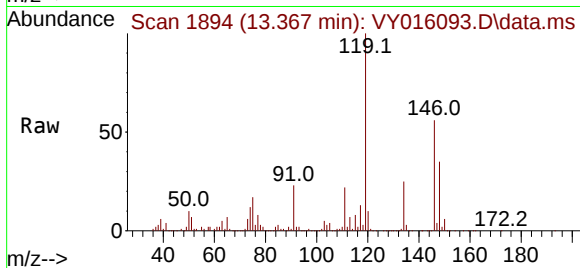
Tgt Ion:146 Resp: 223814

Ion Ratio Lower Upper

146 100

111 39.7 19.4 58.2

148 63.1 31.9 95.5



#88

1,4-Dichlorobenzene

Concen: 49.181 ug/l

RT: 13.453 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY016093.D

Acq: 26 Oct 2023 21:26

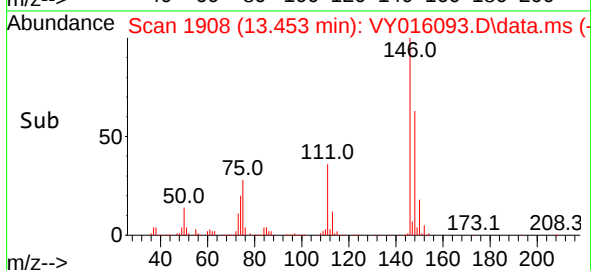
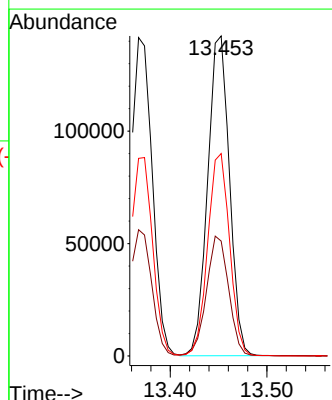
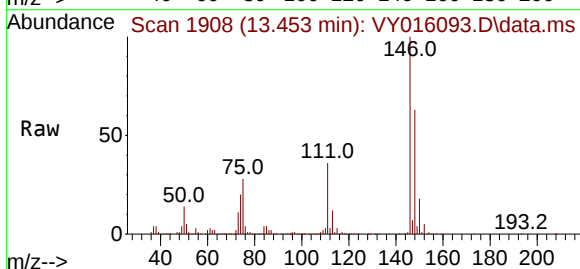
Tgt Ion:146 Resp: 223148

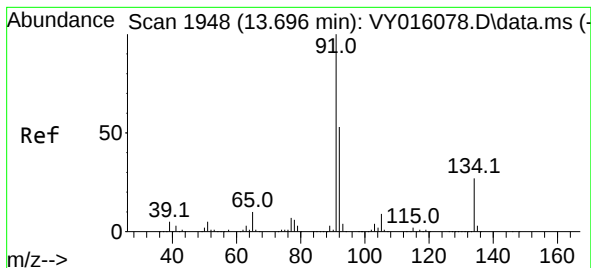
Ion Ratio Lower Upper

146 100

111 38.3 18.9 56.7

148 63.8 32.1 96.5





#89

n-Butylbenzene

Concen: 48.483 ug/l

RT: 13.703 min Scan# 1949

Delta R.T. 0.006 min

Lab File: VY016093.D

Acq: 26 Oct 2023 21:26

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

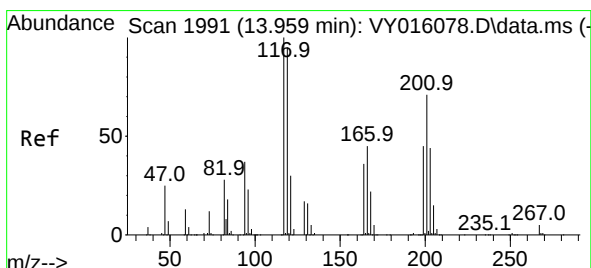
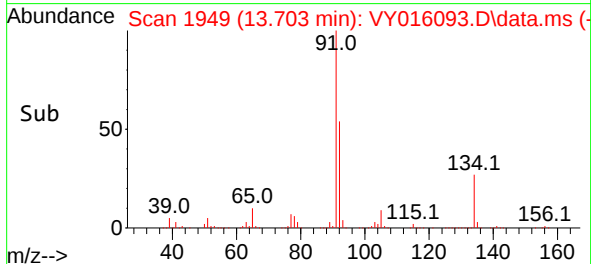
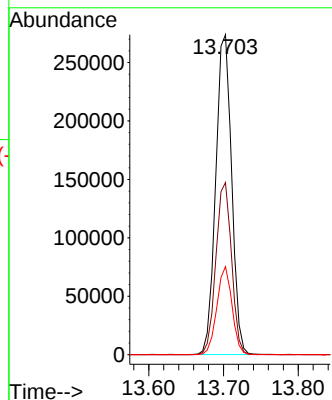
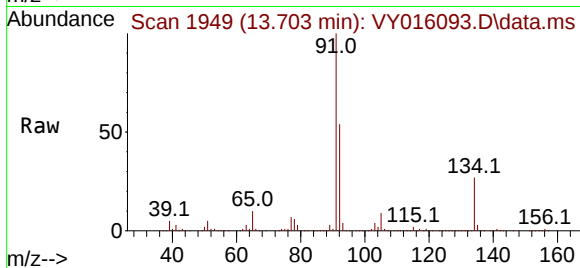
Tgt Ion: 91 Resp: 404101

Ion Ratio Lower Upper

91 100

92 53.1 25.4 76.0

134 26.3 12.6 37.6



#90

Hexachloroethane

Concen: 47.806 ug/l

RT: 13.965 min Scan# 1992

Delta R.T. 0.000 min

Lab File: VY016093.D

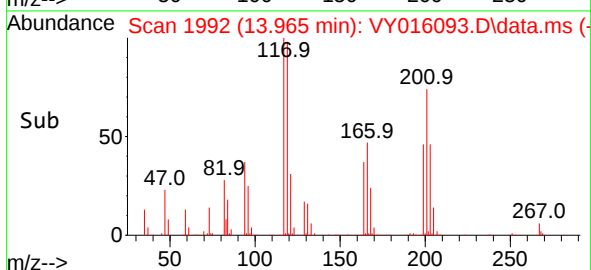
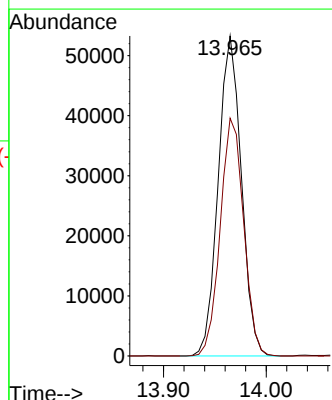
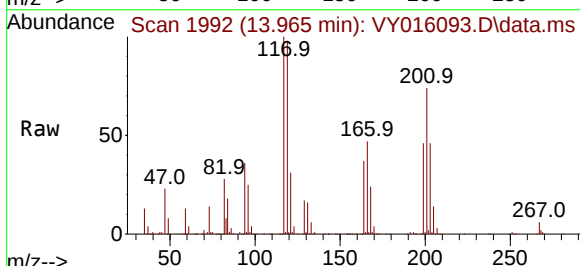
Acq: 26 Oct 2023 21:26

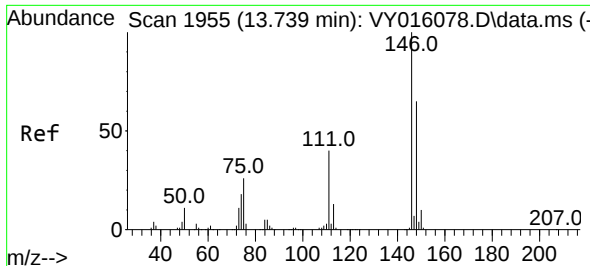
Tgt Ion: 117 Resp: 83162

Ion Ratio Lower Upper

117 100

201 75.3 41.6 124.8





#91

1,2-Dichlorobenzene

Concen: 50.435 ug/l

RT: 13.745 min Scan# 1955

Delta R.T. 0.006 min

Lab File: VY016093.D

Acq: 26 Oct 2023 21:26

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

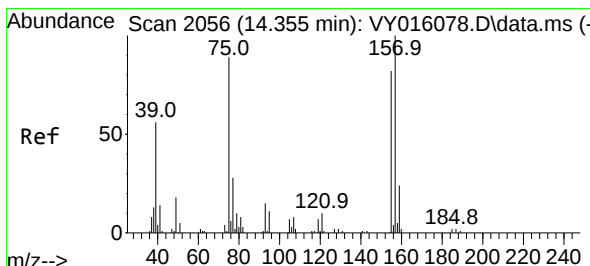
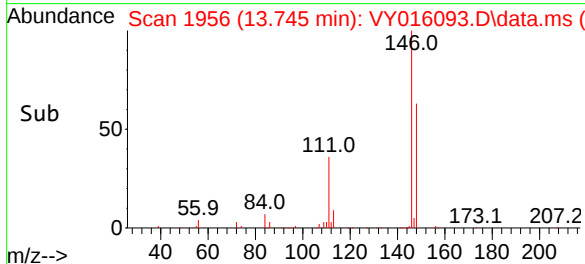
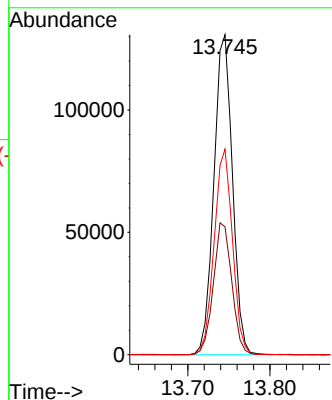
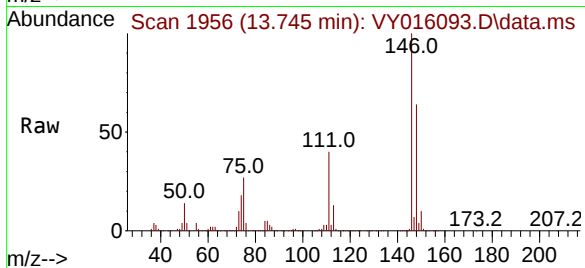
Tgt Ion:146 Resp: 205005

Ion Ratio Lower Upper

146 100

111 41.1 19.7 59.0

148 63.4 32.0 96.2



#92

1,2-Dibromo-3-Chloropropane

Concen: 54.952 ug/l

RT: 14.361 min Scan# 2057

Delta R.T. 0.006 min

Lab File: VY016093.D

Acq: 26 Oct 2023 21:26

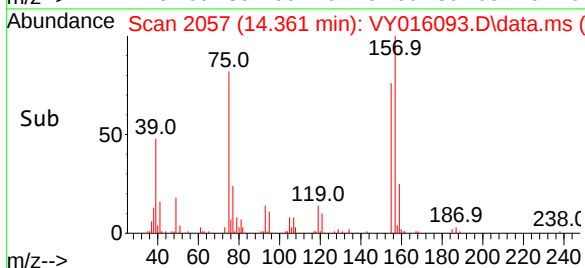
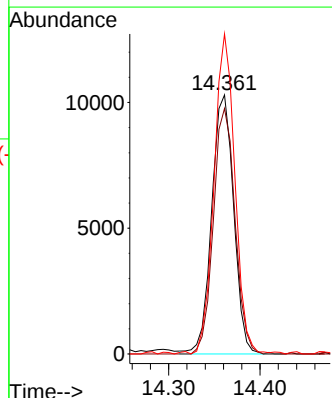
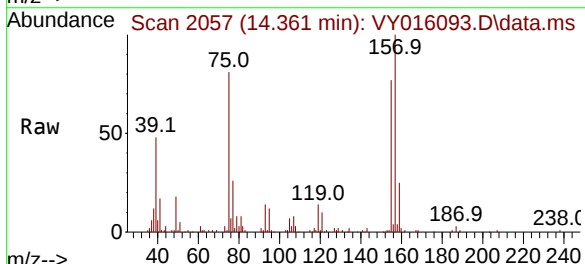
Tgt Ion: 75 Resp: 17180

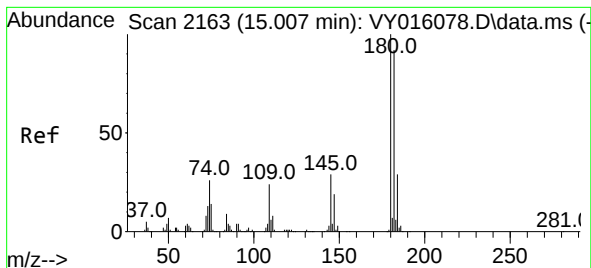
Ion Ratio Lower Upper

75 100

155 93.4 41.5 124.6

157 117.5 51.8 155.5





#93

1,2,4-Trichlorobenzene

Concen: 51.123 ug/l

RT: 15.007 min Scan# 2163

Delta R.T. 0.000 min

Lab File: VY016093.D

Acq: 26 Oct 2023 21:26

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

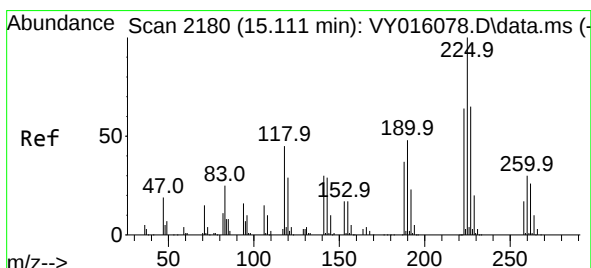
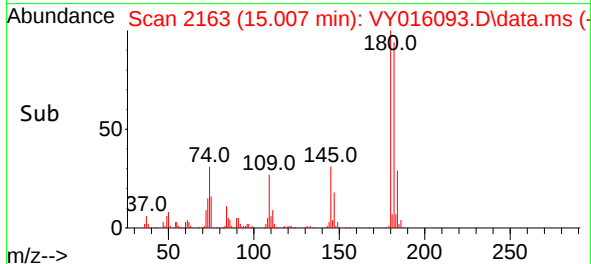
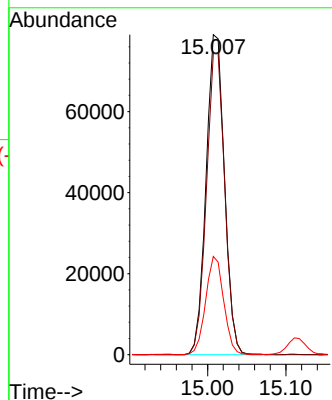
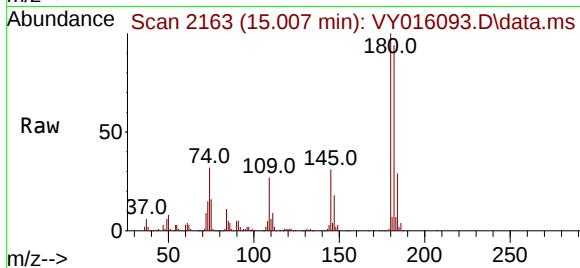
Tgt Ion:180 Resp: 128558

Ion Ratio Lower Upper

180 100

182 94.0 47.0 141.2

145 30.1 14.5 43.5



#94

Hexachlorobutadiene

Concen: 48.539 ug/l

RT: 15.117 min Scan# 2181

Delta R.T. 0.006 min

Lab File: VY016093.D

Acq: 26 Oct 2023 21:26

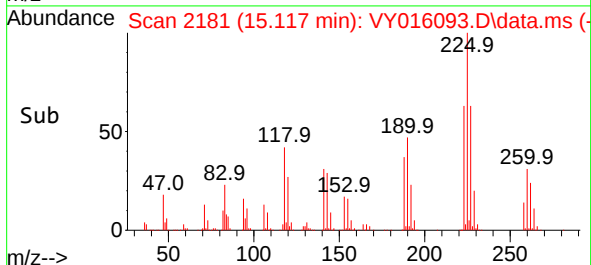
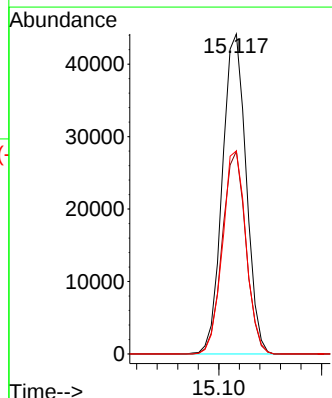
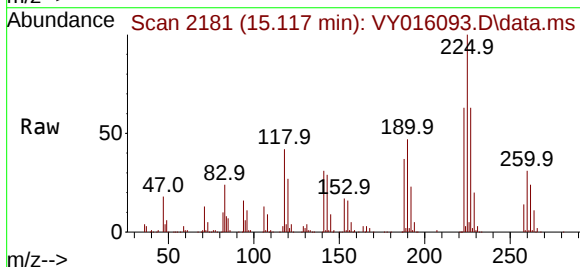
Tgt Ion:225 Resp: 70843

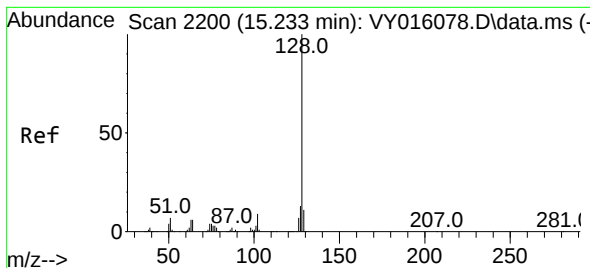
Ion Ratio Lower Upper

225 100

223 62.7 31.9 95.9

227 62.8 33.0 98.9





#95

Naphthalene

Concen: 57.322 ug/l

RT: 15.239 min Scan# 21

Delta R.T. 0.000 min

Lab File: VY016093.D

Acq: 26 Oct 2023 21:26

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

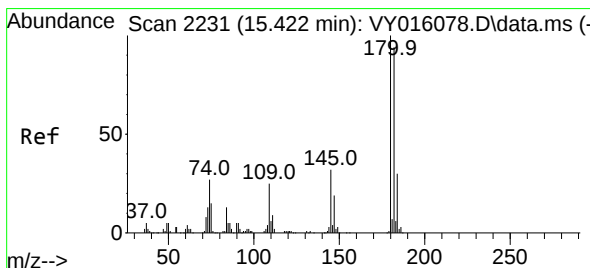
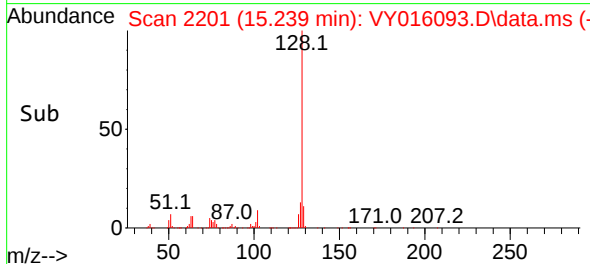
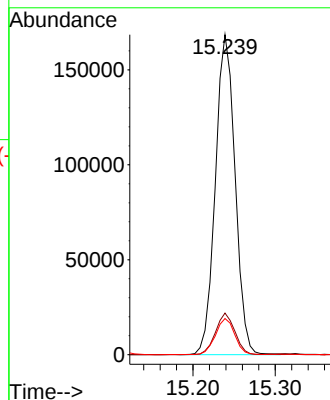
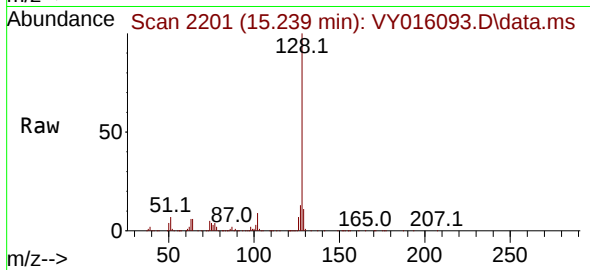
Tgt Ion:128 Resp: 281125

Ion Ratio Lower Upper

128 100

127 12.8 10.8 16.2

129 11.1 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 52.259 ug/l

RT: 15.428 min Scan# 2232

Delta R.T. 0.000 min

Lab File: VY016093.D

Acq: 26 Oct 2023 21:26

Tgt Ion:180 Resp: 113330

Ion Ratio Lower Upper

180 100

182 95.5 47.3 141.8

145 32.1 15.4 46.2

