

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY050423\  
 Data File : VY013593.D  
 Acq On : 04 May 2023 11:52  
 Operator : KP/MD  
 Sample : VSTDC0050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDC0050

Quant Time: May 05 00:58:00 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042423S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 25 02:39:58 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 250488   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 378178   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.489 | 117  | 337645   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 170159   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.143  | 65    | 136472   | 49.700   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 99.400%  |
| 35) Dibromofluoromethane    | 7.716  | 113   | 123363   | 51.864   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 103.720% |
| 50) Toluene-d8              | 10.179 | 98    | 416043   | 49.169   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 98.340%  |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 149428   | 52.383   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 104.760% |

|                              |       |     |         |         |        |     |
|------------------------------|-------|-----|---------|---------|--------|-----|
| Target Compounds             |       |     |         |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.906 | 85  | 121280  | 50.929  | ug/l   | 97  |
| 3) Chloromethane             | 2.113 | 50  | 142964  | 44.788  | ug/l   | 96  |
| 4) Vinyl Chloride            | 2.253 | 62  | 140556  | 44.224  | ug/l   | 99  |
| 5) Bromomethane              | 2.656 | 94  | 102542  | 40.487  | ug/l   | 95  |
| 6) Chloroethane              | 2.796 | 64  | 89728   | 40.866  | ug/l   | 95  |
| 7) Trichlorofluoromethane    | 3.131 | 101 | 234465  | 48.697  | ug/l   | 100 |
| 8) Diethyl Ether             | 3.534 | 74  | 75322   | 45.940  | ug/l   | 92  |
| 9) 1,1,2-Trichlorotrifluo... | 3.905 | 101 | 126507  | 46.842  | ug/l   | 98  |
| 10) Methyl Iodide            | 4.094 | 142 | 155877  | 45.954  | ug/l   | 98  |
| 11) Tert butyl alcohol       | 4.978 | 59  | 64711   | 209.336 | ug/l # | 95  |
| 12) 1,1-Dichloroethene       | 3.875 | 96  | 118437  | 45.495  | ug/l   | 90  |
| 13) Acrolein                 | 3.729 | 56  | 48814   | 201.749 | ug/l   | 97  |
| 14) Allyl chloride           | 4.479 | 41  | 219704  | 45.483  | ug/l   | 97  |
| 15) Acrylonitrile            | 5.161 | 53  | 216585  | 235.871 | ug/l   | 99  |
| 16) Acetone                  | 3.954 | 43  | 267748  | 247.602 | ug/l   | 96  |
| 17) Carbon Disulfide         | 4.198 | 76  | 353879  | 41.848  | ug/l   | 99  |
| 18) Methyl Acetate           | 4.485 | 43  | 159139  | 44.558  | ug/l   | 95  |
| 19) Methyl tert-butyl Ether  | 5.222 | 73  | 358841  | 47.746  | ug/l   | 99  |
| 20) Methylene Chloride       | 4.716 | 84  | 157257  | 45.730  | ug/l   | 86  |
| 21) trans-1,2-Dichloroethene | 5.216 | 96  | 133229  | 46.807  | ug/l   | 98  |
| 22) Diisopropyl ether        | 6.118 | 45  | 458359  | 48.548  | ug/l   | 96  |
| 23) Vinyl Acetate            | 6.058 | 43  | 1401765 | 262.225 | ug/l   | 97  |
| 24) 1,1-Dichloroethane       | 6.021 | 63  | 251249  | 47.748  | ug/l   | 98  |
| 25) 2-Butanone               | 6.990 | 43  | 324030  | 236.276 | ug/l   | 97  |
| 26) 2,2-Dichloropropane      | 6.978 | 77  | 224621  | 49.539  | ug/l   | 98  |
| 27) cis-1,2-Dichloroethene   | 6.990 | 96  | 152848  | 48.602  | ug/l   | 96  |
| 28) Bromochloromethane       | 7.338 | 49  | 90841   | 48.649  | ug/l   | 86  |
| 29) Tetrahydrofuran          | 7.350 | 42  | 189497  | 221.979 | ug/l   | 94  |
| 30) Chloroform               | 7.508 | 83  | 263446  | 50.355  | ug/l   | 99  |
| 31) Cyclohexane              | 7.789 | 56  | 210369  | 42.790  | ug/l   | 95  |
| 32) 1,1,1-Trichloroethane    | 7.704 | 97  | 234499  | 50.230  | ug/l   | 99  |
| 36) 1,1-Dichloropropene      | 7.917 | 75  | 191763  | 48.578  | ug/l   | 97  |
| 37) Ethyl Acetate            | 7.076 | 43  | 134094  | 45.139  | ug/l   | 97  |
| 38) Carbon Tetrachloride     | 7.905 | 117 | 214495  | 51.842  | ug/l   | 96  |
| 39) Methylcyclohexane        | 9.185 | 83  | 218797  | 47.015  | ug/l   | 93  |
| 40) Benzene                  | 8.161 | 78  | 550359  | 49.494  | ug/l   | 99  |

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 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

Quant Time: May 05 00:58:00 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042423S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 25 02:39:58 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.313  | 41   | 74542    | 53.848  | ug/l   | 89       |
| 42) 1,2-Dichloroethane        | 8.234  | 62   | 188120   | 51.746  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.271  | 43   | 234155   | 46.698  | ug/l   | 98       |
| 44) Trichloroethene           | 8.941  | 130  | 145960   | 49.346  | ug/l   | 97       |
| 45) 1,2-Dichloropropane       | 9.216  | 63   | 143888   | 49.490  | ug/l   | 98       |
| 46) Dibromomethane            | 9.307  | 93   | 86288    | 49.601  | ug/l   | 96       |
| 47) Bromodichloromethane      | 9.496  | 83   | 203279   | 52.221  | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.295  | 41   | 108937   | 47.305  | ug/l   | 96       |
| 49) 1,4-Dioxane               | 9.313  | 88   | 23771    | 956.750 | ug/l   | 93       |
| 51) 4-Methyl-2-Pentanone      | 10.069 | 43   | 668097   | 239.107 | ug/l   | 96       |
| 52) Toluene                   | 10.246 | 92   | 340421   | 50.873  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.465 | 75   | 211592   | 51.360  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 9.929  | 75   | 231683   | 49.978  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane     | 10.648 | 97   | 115939   | 50.326  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 10.514 | 69   | 163312   | 51.097  | ug/l   | 92       |
| 57) 1,3-Dichloropropane       | 10.788 | 76   | 196476   | 50.357  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.782  | 63   | 294266   | 245.528 | ug/l   | 95       |
| 59) 2-Hexanone                | 10.831 | 43   | 502418   | 247.361 | ug/l   | 97       |
| 60) Dibromochloromethane      | 10.983 | 129  | 145047   | 51.852  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.087 | 107  | 111745   | 49.336  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.721 | 164  | 126627   | 49.320  | ug/l   | 96       |
| 65) Chlorobenzene             | 11.514 | 112  | 367904   | 50.020  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.593 | 131  | 144508   | 52.533  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.593 | 91   | 658198   | 50.961  | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.703 | 106  | 502024   | 102.246 | ug/l   | 96       |
| 69) o-Xylene                  | 12.032 | 106  | 238162   | 51.288  | ug/l   | 97       |
| 70) Styrene                   | 12.044 | 104  | 406440   | 52.348  | ug/l   | 99       |
| 71) Bromoform                 | 12.209 | 173  | 100257   | 52.033  | ug/l # | 100      |
| 73) Isopropylbenzene          | 12.331 | 105  | 636065   | 49.421  | ug/l   | 98       |
| 74) N-amyl acetate            | 12.142 | 43   | 208531   | 45.531  | ug/l   | 96       |
| 75) 1,1,2,2-Tetrachloroethane | 12.581 | 83   | 146747   | 46.648  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.636 | 75   | 191382   | 83.398  | ug/l # | 100      |
| 77) Bromobenzene              | 12.611 | 156  | 160423   | 51.442  | ug/l   | 96       |
| 78) n-propylbenzene           | 12.672 | 91   | 782731   | 49.376  | ug/l   | 97       |
| 79) 2-Chlorotoluene           | 12.758 | 91   | 437206   | 49.387  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.812 | 105  | 526580   | 50.128  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.380 | 75   | 51686    | 46.072  | ug/l   | 95       |
| 82) 4-Chlorotoluene           | 12.855 | 91   | 453213   | 49.119  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.075 | 119  | 452796   | 49.753  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.123 | 105  | 527241   | 51.625  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.257 | 105  | 676819   | 49.552  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.367 | 119  | 568610   | 51.767  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.367 | 146  | 300646   | 50.603  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 13.446 | 146  | 300973   | 50.149  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.696 | 91   | 541986   | 50.556  | ug/l   | 98       |
| 90) Hexachloroethane          | 13.965 | 117  | 112549   | 48.686  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 13.739 | 146  | 272979   | 50.880  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.355 | 75   | 26289    | 47.317  | ug/l   | 92       |
| 93) 1,2,4-Trichlorobenzene    | 15.007 | 180  | 175411   | 54.838  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.111 | 225  | 107418   | 57.702  | ug/l   | 99       |
| 95) Naphthalene               | 15.239 | 128  | 362897   | 52.288  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.428 | 180  | 159097   | 55.804  | ug/l   | 99       |

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Sample : VSTDCCC050  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

Quant Time: May 05 00:58:00 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042423S.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 25 02:39:58 2023  
Response via : Initial Calibration

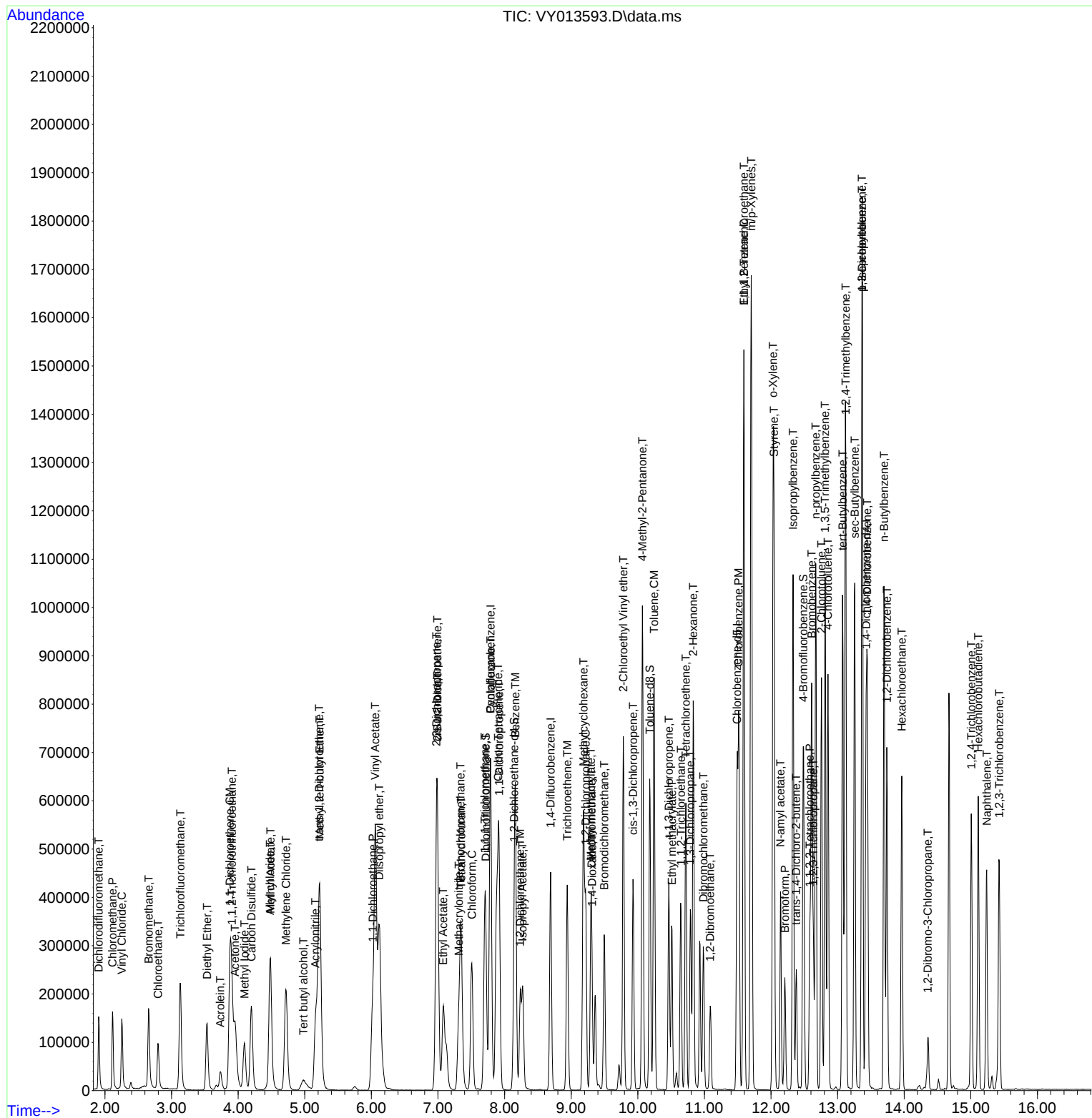
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

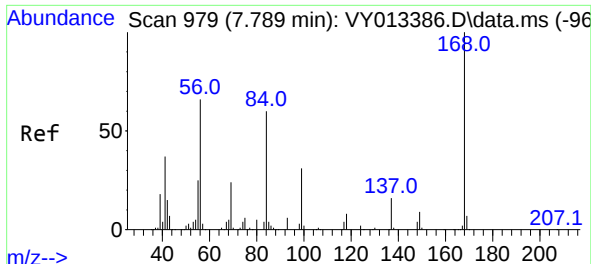
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Sample : VSTDCCC050  
Misc : 5.00g/5.0mL/MSVOA\_Y/soil  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
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Quant Title : SW846 8260  
QLast Update : Tue Apr 25 02:39:58 2023  
Response via : Initial Calibration

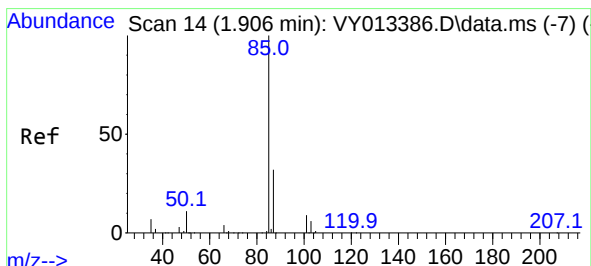
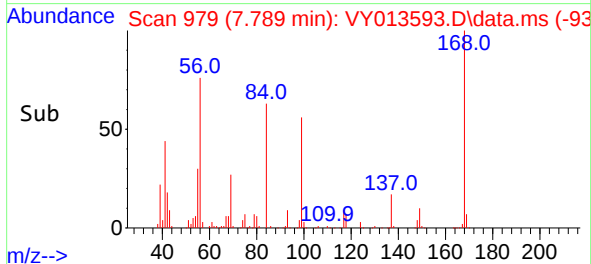
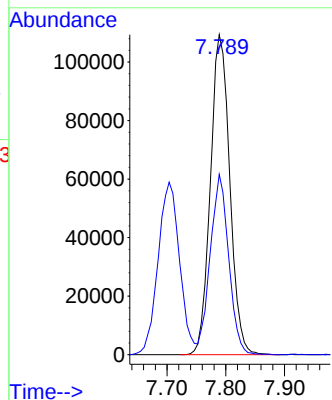
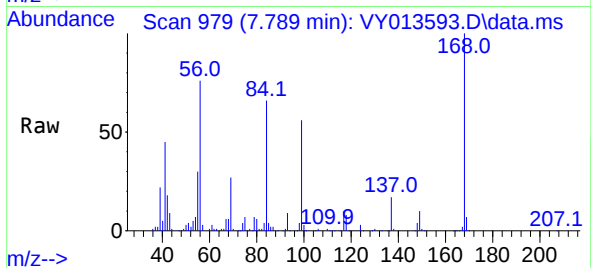




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY013593.D  
Acq: 04 May 2023 11:52

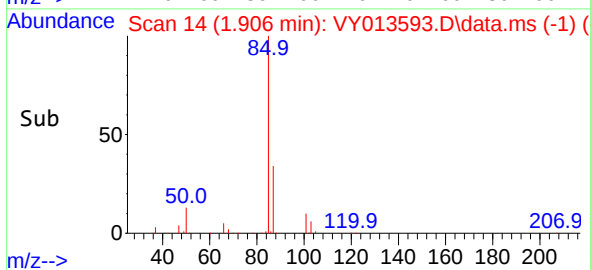
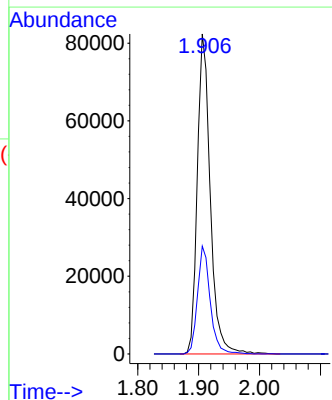
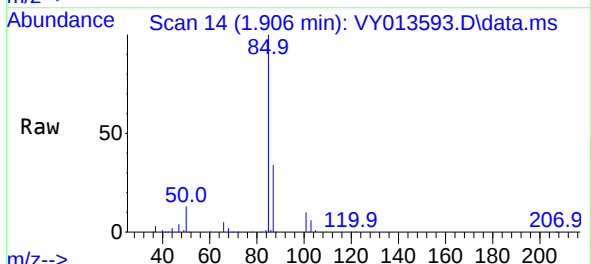
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

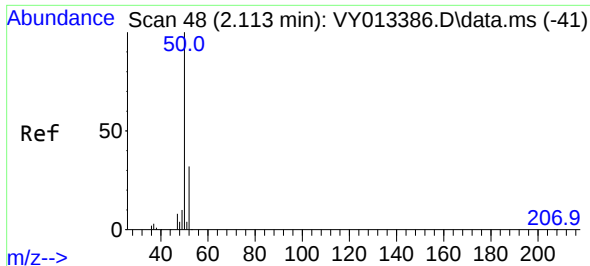
Tgt Ion:168 Resp: 250488  
Ion Ratio Lower Upper  
168 100  
99 56.4 41.8 62.6



#2  
Dichlorodifluoromethane  
Concen: 50.929 ug/l  
RT: 1.906 min Scan# 14  
Delta R.T. -0.000 min  
Lab File: VY013593.D  
Acq: 04 May 2023 11:52

Tgt Ion: 85 Resp: 121280  
Ion Ratio Lower Upper  
85 100  
87 33.7 16.1 48.2

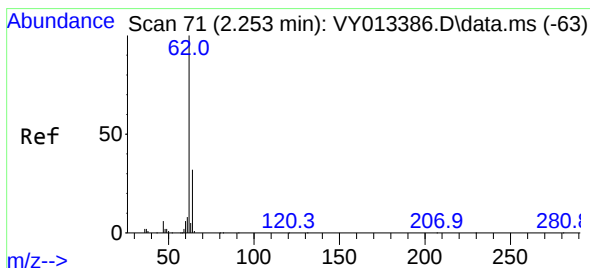
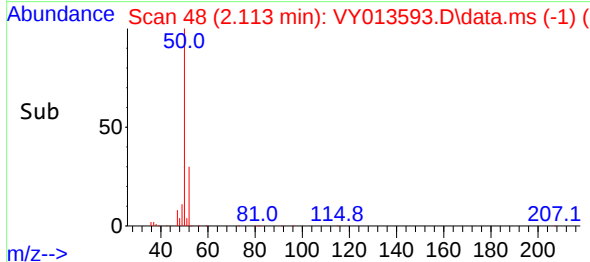
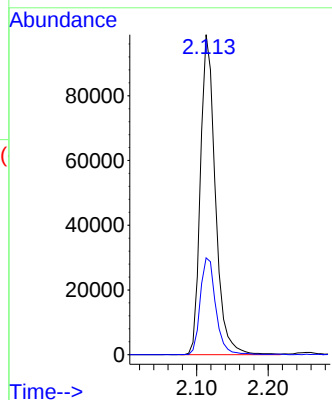
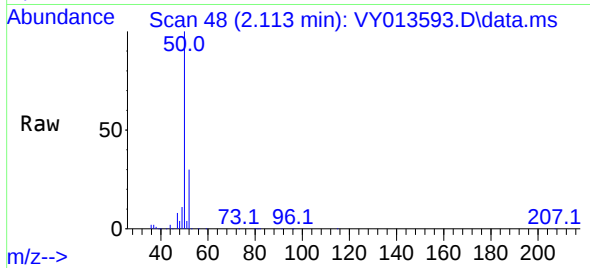




#3  
Chloromethane  
Concen: 44.788 ug/l  
RT: 2.113 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VY013593.D  
Acq: 04 May 2023 11:52

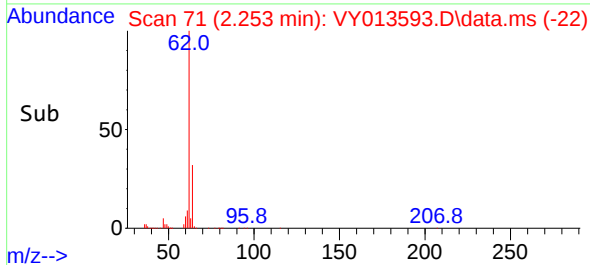
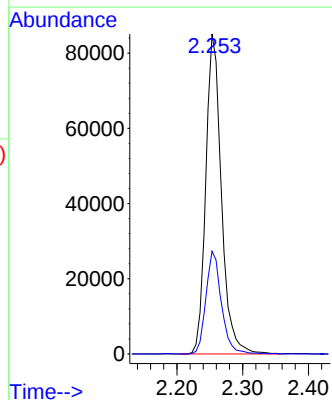
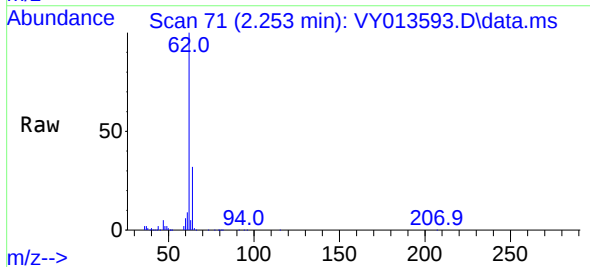
Instrument :  
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VSTDCCC050

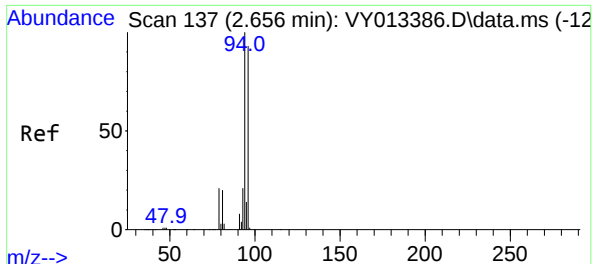
Tgt Ion: 50 Resp: 142964  
Ion Ratio Lower Upper  
50 100  
52 30.2 25.9 38.9



#4  
Vinyl Chloride  
Concen: 44.224 ug/l  
RT: 2.253 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: VY013593.D  
Acq: 04 May 2023 11:52

Tgt Ion: 62 Resp: 140556  
Ion Ratio Lower Upper  
62 100  
64 32.1 25.4 38.0

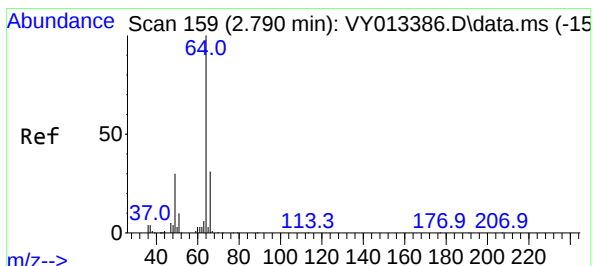
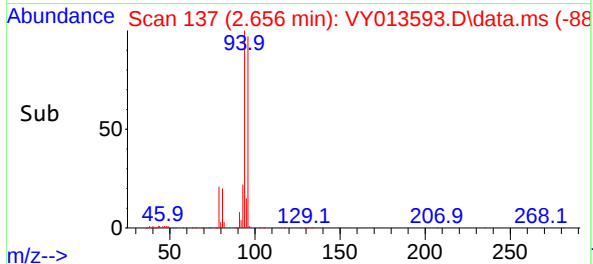
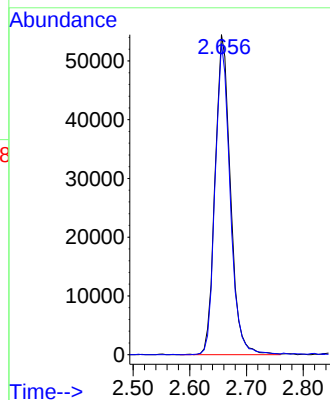
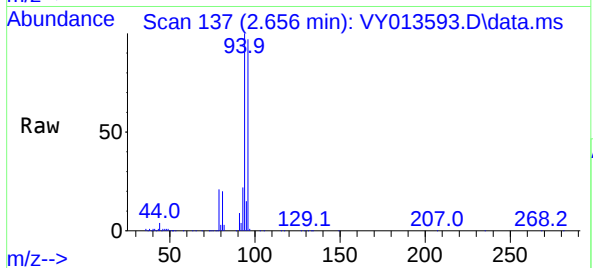




#5  
Bromomethane  
Concen: 40.487 ug/l  
RT: 2.656 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY013593.D  
Acq: 04 May 2023 11:52

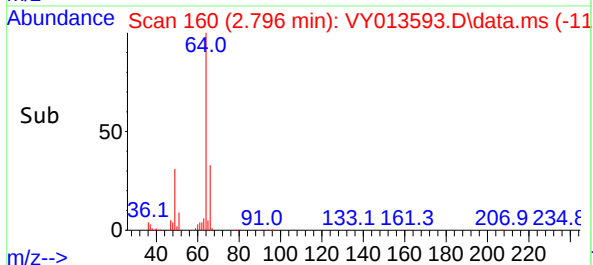
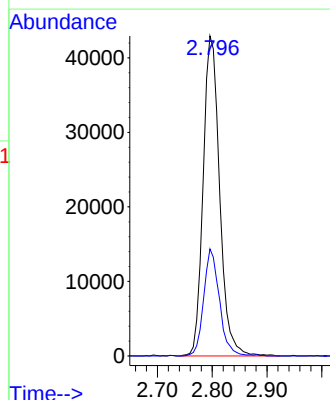
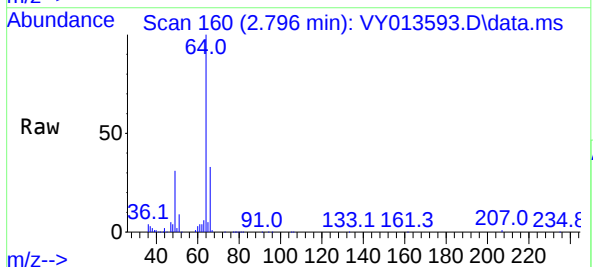
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

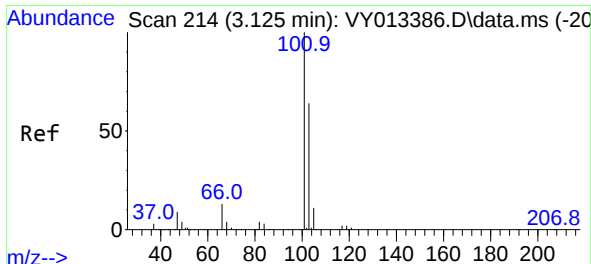
Tgt Ion: 94 Resp: 102542  
Ion Ratio Lower Upper  
94 100  
96 97.3 74.2 111.2



#6  
Chloroethane  
Concen: 40.866 ug/l  
RT: 2.796 min Scan# 160  
Delta R.T. 0.006 min  
Lab File: VY013593.D  
Acq: 04 May 2023 11:52

Tgt Ion: 64 Resp: 89728  
Ion Ratio Lower Upper  
64 100  
66 33.5 24.6 37.0

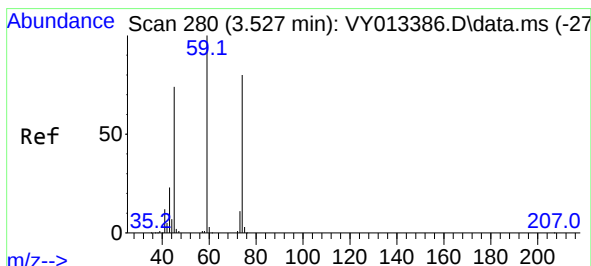
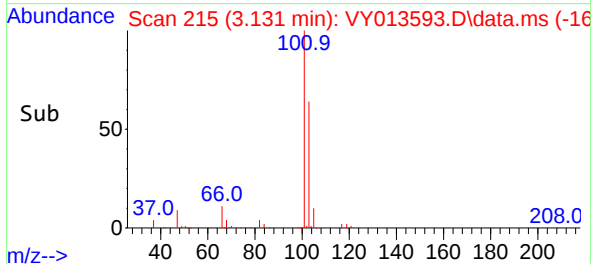
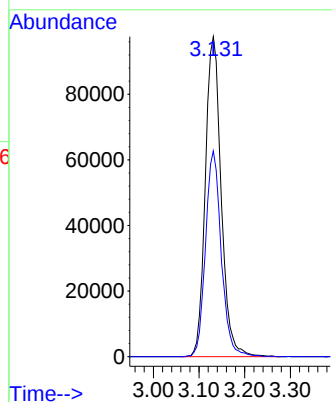
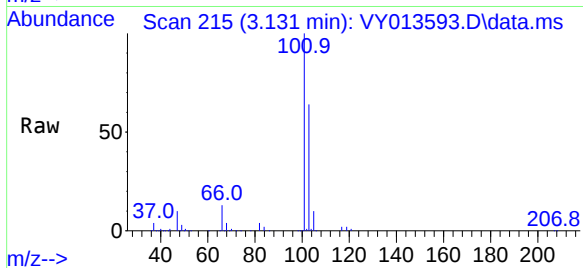




#7  
Trichlorofluoromethane  
Concen: 48.697 ug/l  
RT: 3.131 min Scan# 214  
Delta R.T. 0.006 min  
Lab File: VY013593.D  
Acq: 04 May 2023 11:52

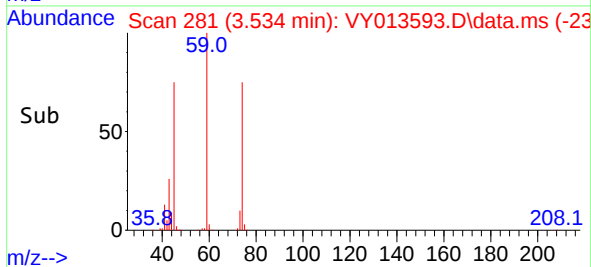
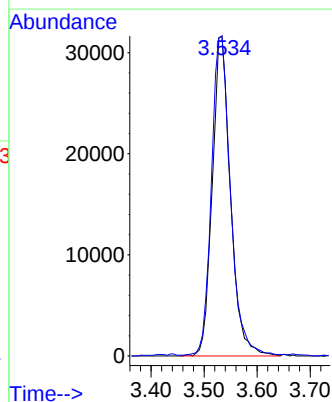
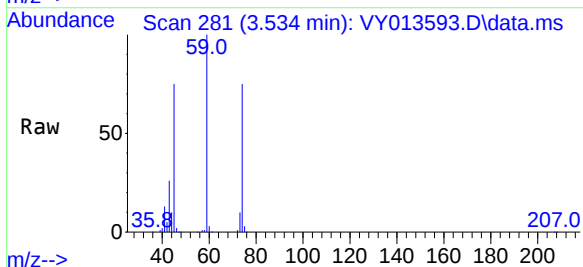
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

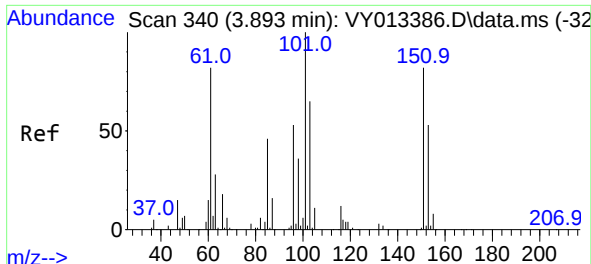
Tgt Ion:101 Resp: 234465  
Ion Ratio Lower Upper  
101 100  
103 64.3 51.6 77.4



#8  
Diethyl Ether  
Concen: 45.940 ug/l  
RT: 3.534 min Scan# 281  
Delta R.T. 0.007 min  
Lab File: VY013593.D  
Acq: 04 May 2023 11:52

Tgt Ion: 74 Resp: 75322  
Ion Ratio Lower Upper  
74 100  
45 104.2 48.2 144.6

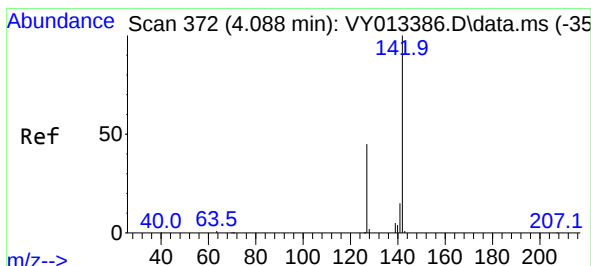
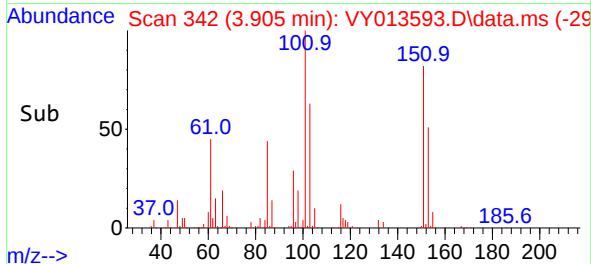
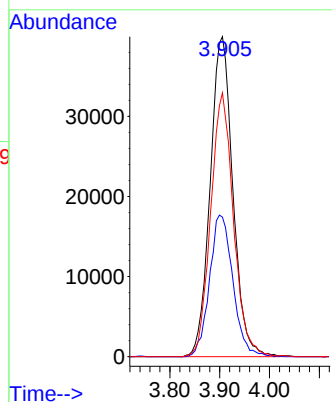
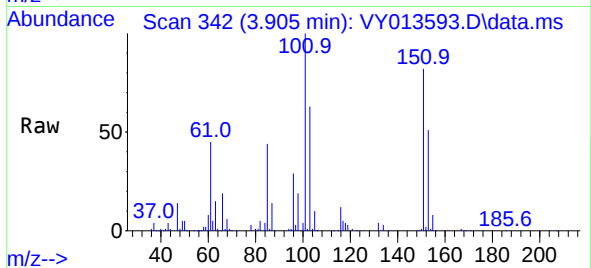




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 46.842 ug/l  
RT: 3.905 min Scan# 341  
Delta R.T. 0.012 min  
Lab File: VY013593.D  
Acq: 04 May 2023 11:52

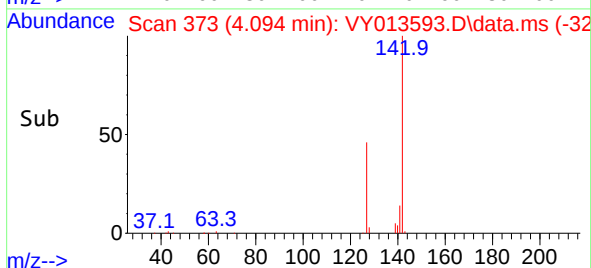
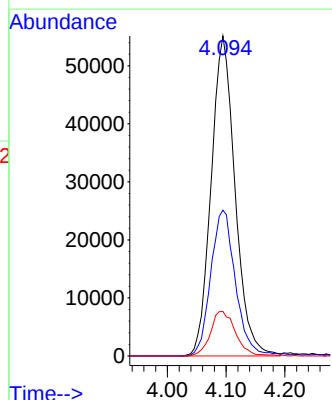
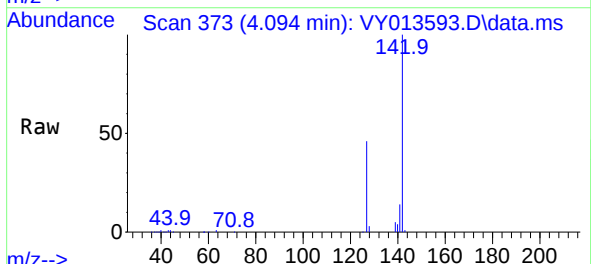
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

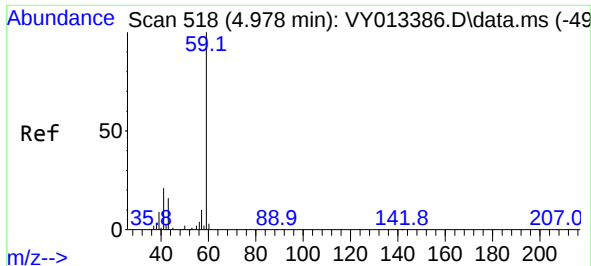
Tgt Ion:101 Resp: 126507  
Ion Ratio Lower Upper  
101 100  
85 45.6 35.6 53.4  
151 82.6 68.0 102.0



#10  
Methyl Iodide  
Concen: 45.954 ug/l  
RT: 4.094 min Scan# 373  
Delta R.T. 0.006 min  
Lab File: VY013593.D  
Acq: 04 May 2023 11:52

Tgt Ion:142 Resp: 155877  
Ion Ratio Lower Upper  
142 100  
127 47.2 36.1 54.1  
141 14.6 11.6 17.4

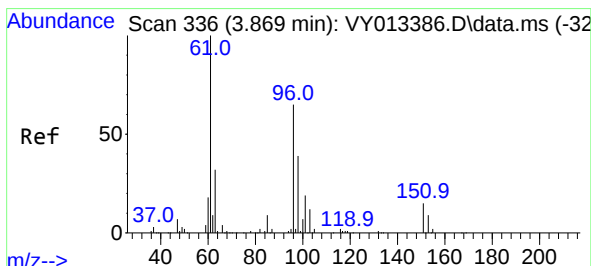
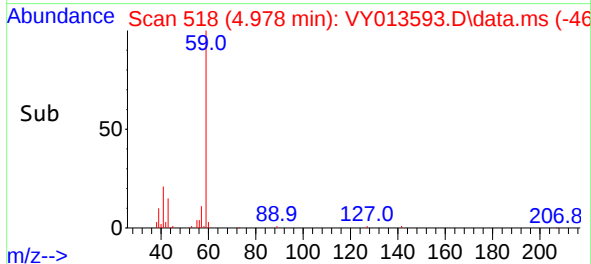
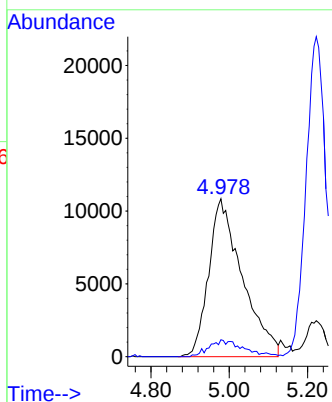
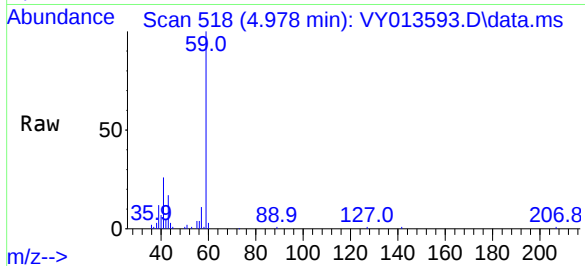




#11  
Tert butyl alcohol  
Concen: 209.336 ug/l  
RT: 4.978 min Scan# 518  
Delta R.T. 0.000 min  
Lab File: VY013593.D  
Acq: 04 May 2023 11:52

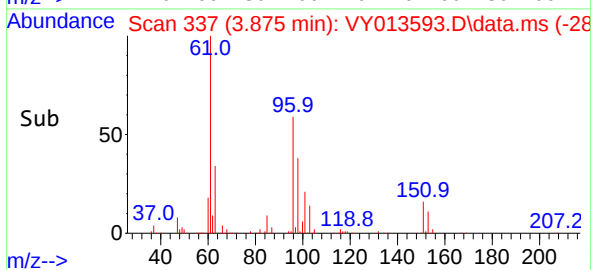
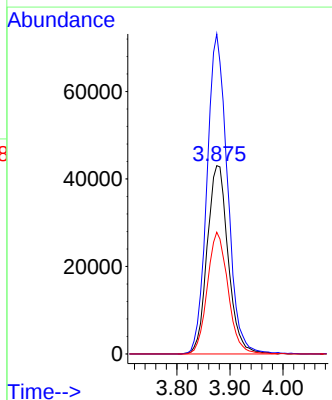
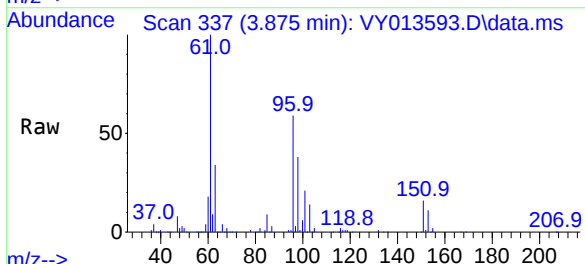
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

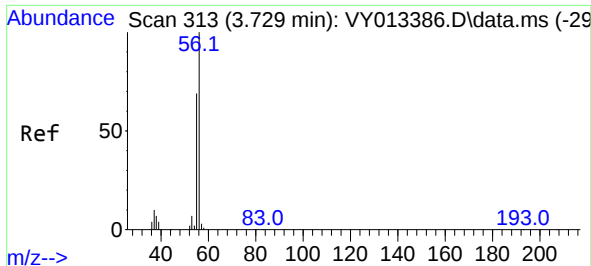
Tgt Ion: 59 Resp: 64711  
Ion Ratio Lower Upper  
59 100  
57 5.2 3.0 4.4#



#12  
1,1-Dichloroethene  
Concen: 45.495 ug/l  
RT: 3.875 min Scan# 337  
Delta R.T. 0.006 min  
Lab File: VY013593.D  
Acq: 04 May 2023 11:52

Tgt Ion: 96 Resp: 118437  
Ion Ratio Lower Upper  
96 100  
61 169.9 123.9 185.9  
98 64.6 48.9 73.3

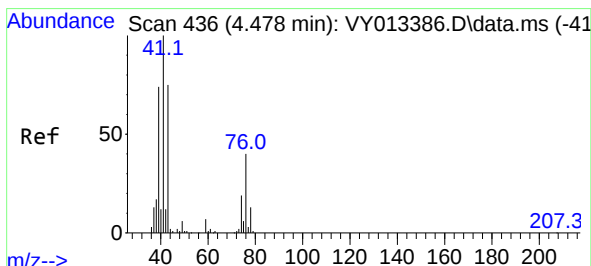
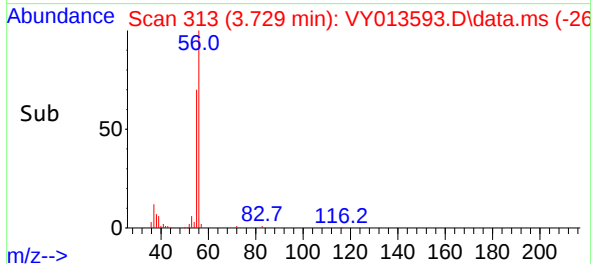
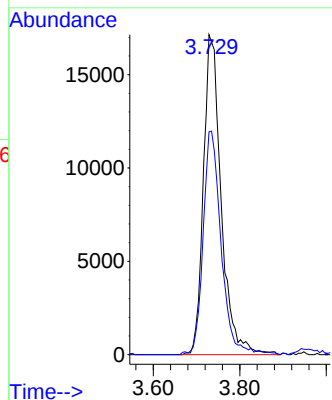
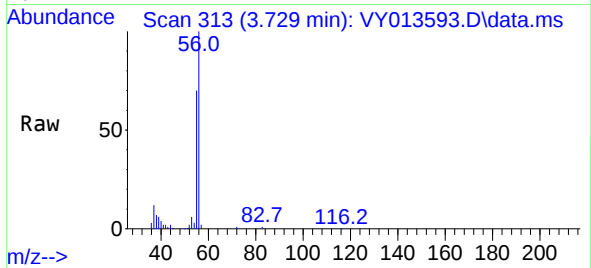




#13  
Acrolein  
Concen: 201.749 ug/l  
RT: 3.729 min Scan# 313  
Delta R.T. -0.000 min  
Lab File: VY013593.D  
Acq: 04 May 2023 11:52

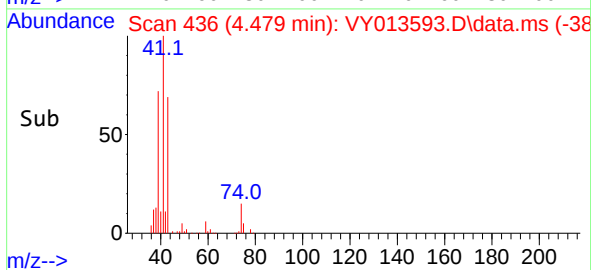
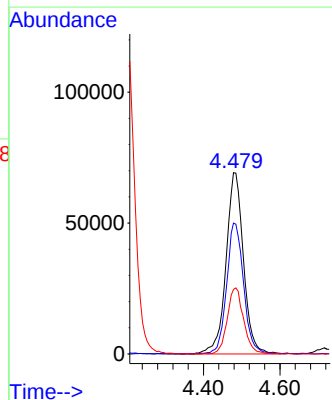
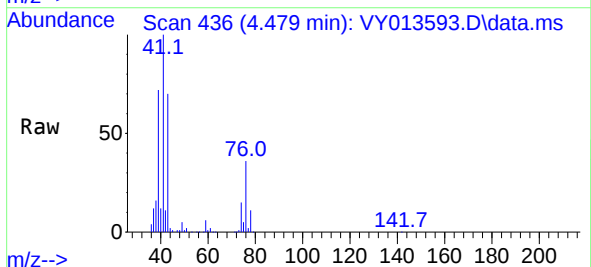
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

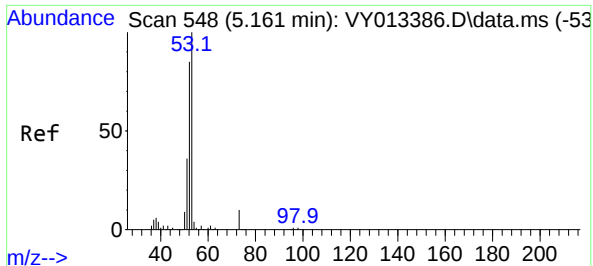
Tgt Ion: 56 Resp: 48814  
Ion Ratio Lower Upper  
56 100  
55 70.2 54.1 81.1



#14  
Allyl chloride  
Concen: 45.483 ug/l  
RT: 4.479 min Scan# 436  
Delta R.T. 0.001 min  
Lab File: VY013593.D  
Acq: 04 May 2023 11:52

Tgt Ion: 41 Resp: 219704  
Ion Ratio Lower Upper  
41 100  
39 70.3 56.6 85.0  
76 34.2 30.5 45.7

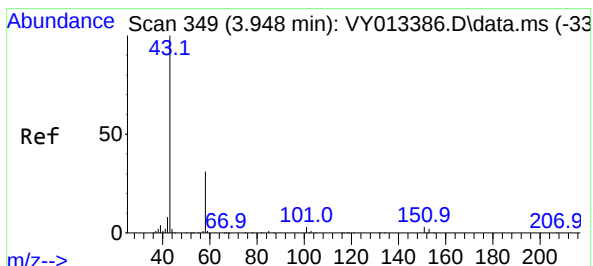
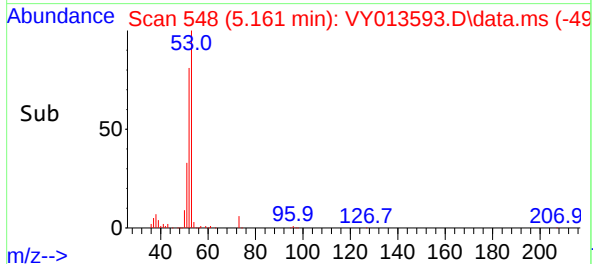
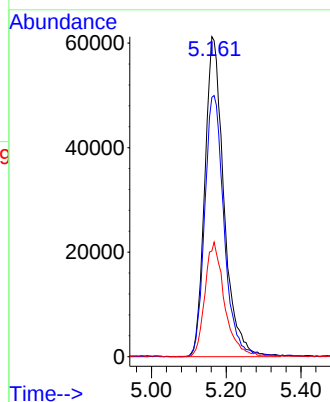
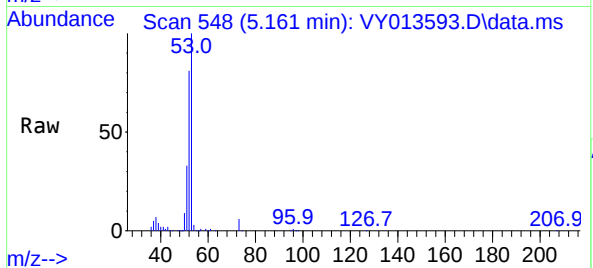




#15  
Acrylonitrile  
Concen: 235.871 ug/l  
RT: 5.161 min Scan# 54  
Delta R.T. 0.000 min  
Lab File: VY013593.D  
Acq: 04 May 2023 11:52

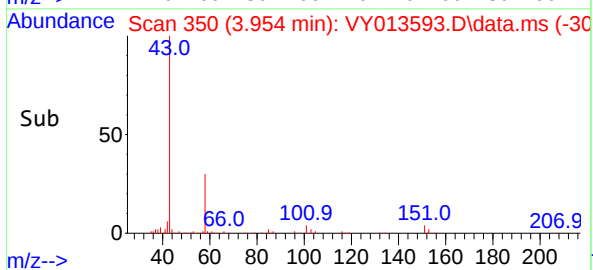
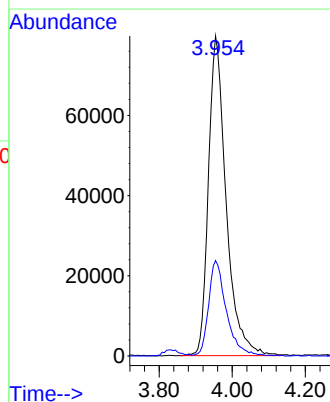
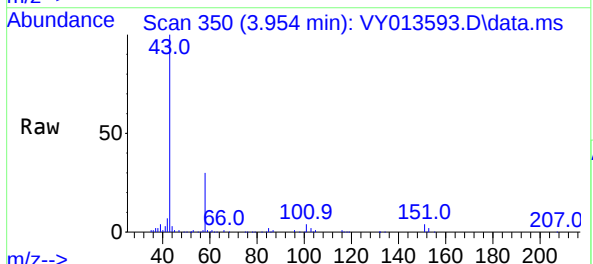
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

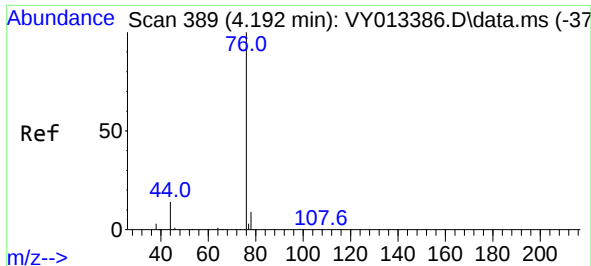
Tgt Ion: 53 Resp: 216585  
Ion Ratio Lower Upper  
53 100  
52 83.2 65.4 98.0  
51 36.8 29.3 43.9



#16  
Acetone  
Concen: 247.602 ug/l  
RT: 3.954 min Scan# 350  
Delta R.T. 0.006 min  
Lab File: VY013593.D  
Acq: 04 May 2023 11:52

Tgt Ion: 43 Resp: 267748  
Ion Ratio Lower Upper  
43 100  
58 29.7 25.4 38.0

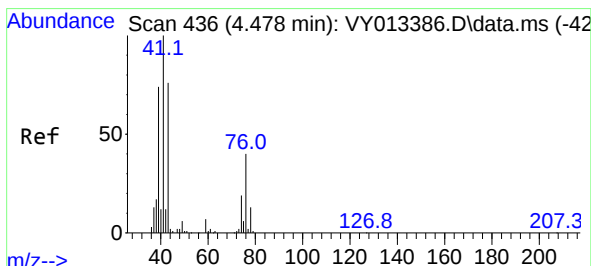
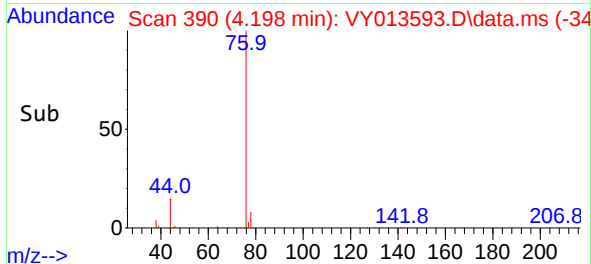
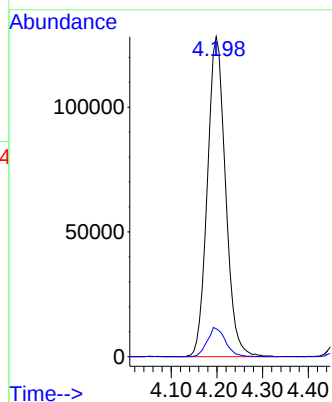
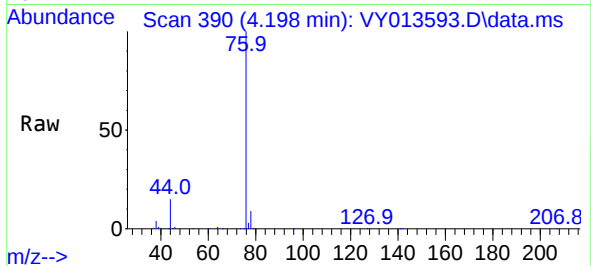




#17  
Carbon Disulfide  
Concen: 41.848 ug/l  
RT: 4.198 min Scan# 389  
Delta R.T. 0.006 min  
Lab File: VY013593.D  
Acq: 04 May 2023 11:52

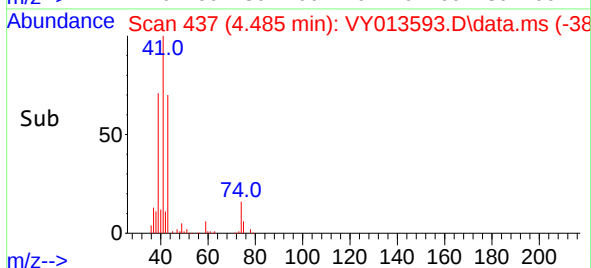
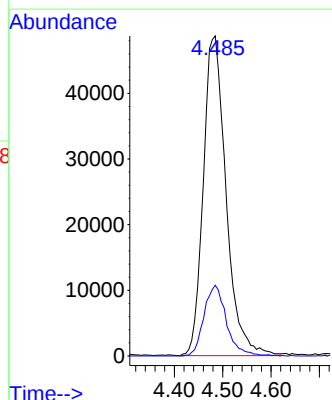
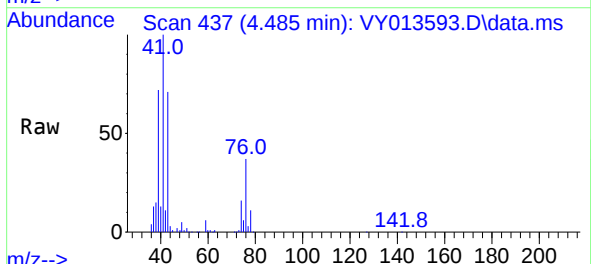
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

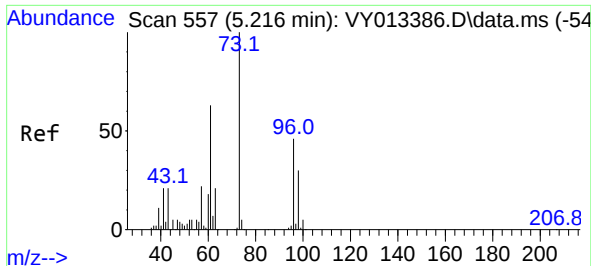
Tgt Ion: 76 Resp: 353879  
Ion Ratio Lower Upper  
76 100  
78 8.8 7.2 10.8



#18  
Methyl Acetate  
Concen: 44.558 ug/l  
RT: 4.485 min Scan# 437  
Delta R.T. 0.007 min  
Lab File: VY013593.D  
Acq: 04 May 2023 11:52

Tgt Ion: 43 Resp: 159139  
Ion Ratio Lower Upper  
43 100  
74 21.9 19.4 29.2





#19

Methyl tert-butyl Ether

Concen: 47.746 ug/l

RT: 5.222 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY013593.D

Acq: 04 May 2023 11:52

Instrument :

MSVOA\_Y

ClientSampleId :

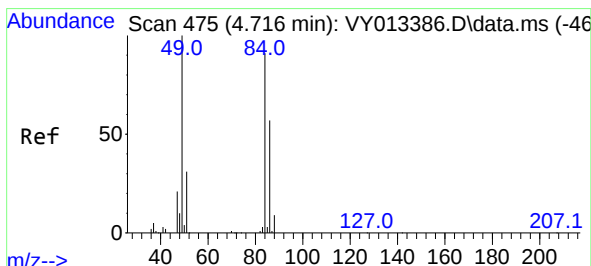
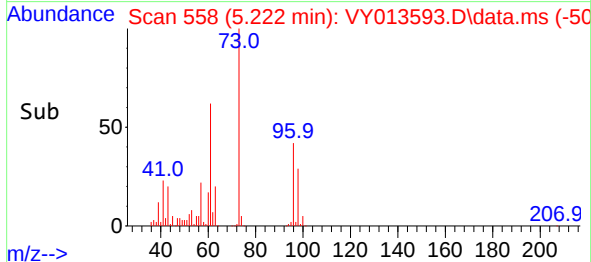
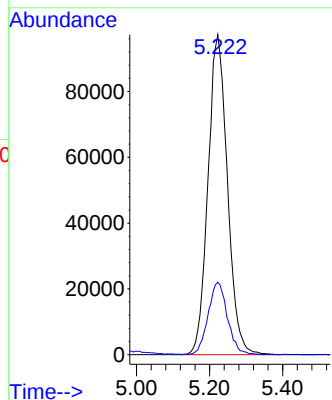
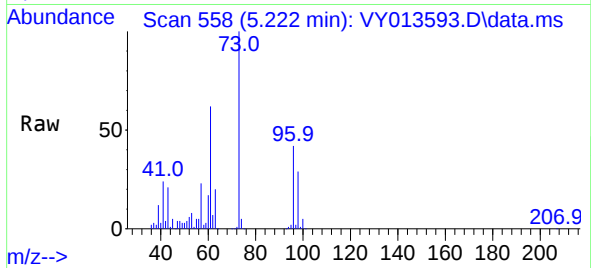
VSTDCCC050

Tgt Ion: 73 Resp: 358841

Ion Ratio Lower Upper

73 100

57 22.6 17.8 26.8



#20

Methylene Chloride

Concen: 45.730 ug/l

RT: 4.716 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY013593.D

Acq: 04 May 2023 11:52

Tgt Ion: 84 Resp: 157257

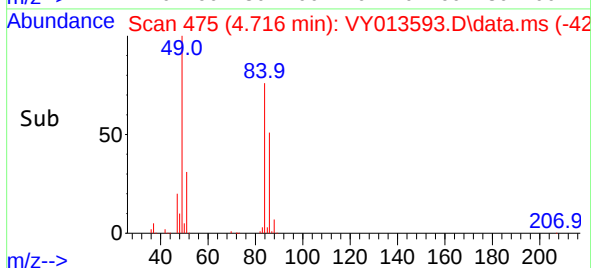
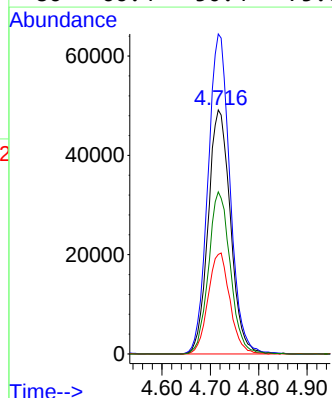
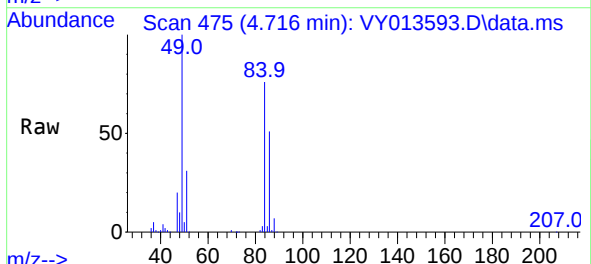
Ion Ratio Lower Upper

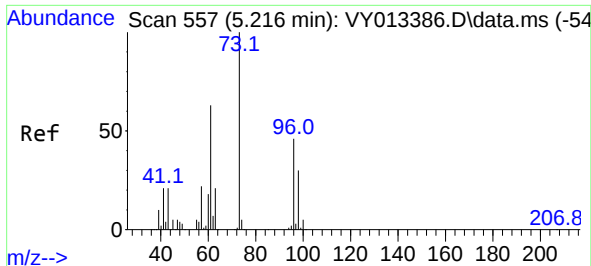
84 100

49 131.1 88.0 132.0

51 40.8 27.4 41.0

86 66.4 50.4 75.6

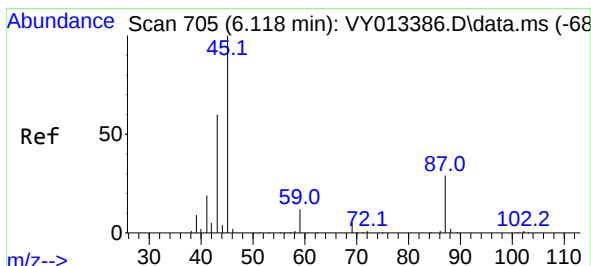
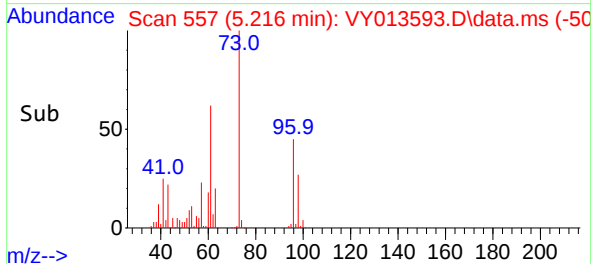
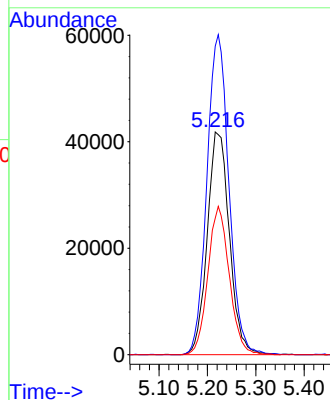
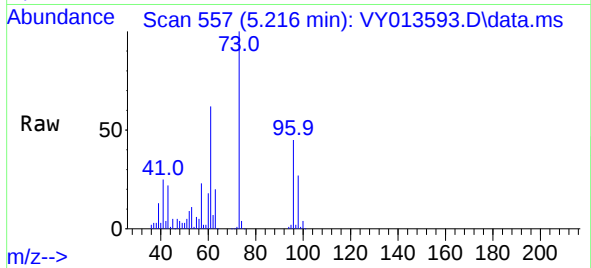




#21  
trans-1,2-Dichloroethene  
Concen: 46.807 ug/l  
RT: 5.216 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: VY013593.D  
Acq: 04 May 2023 11:52

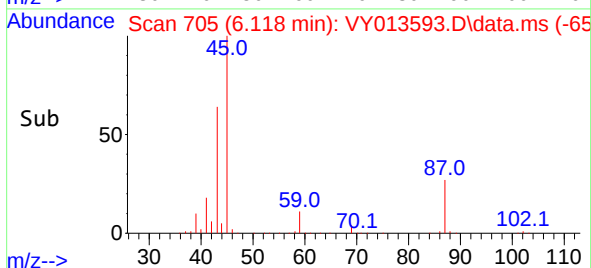
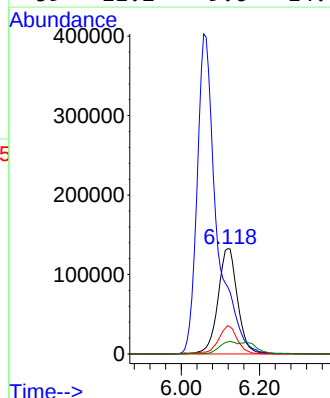
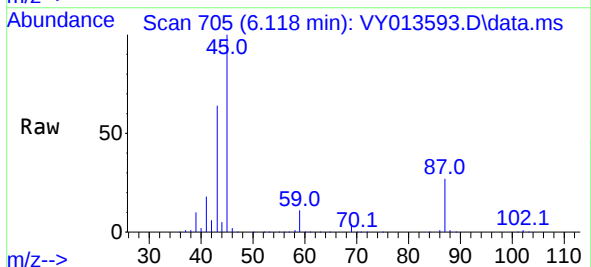
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

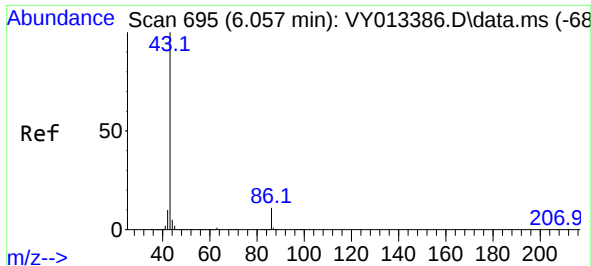
Tgt Ion: 96 Resp: 133229  
Ion Ratio Lower Upper  
96 100  
61 138.5 110.6 165.8  
98 61.3 53.1 79.7



#22  
Diisopropyl ether  
Concen: 48.548 ug/l  
RT: 6.118 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VY013593.D  
Acq: 04 May 2023 11:52

Tgt Ion: 45 Resp: 458359  
Ion Ratio Lower Upper  
45 100  
43 63.2 48.4 72.6  
87 26.8 23.8 35.6  
59 11.2 9.6 14.4

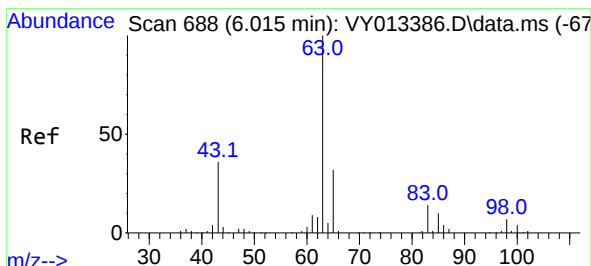
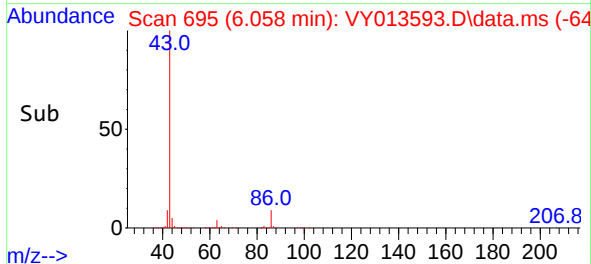
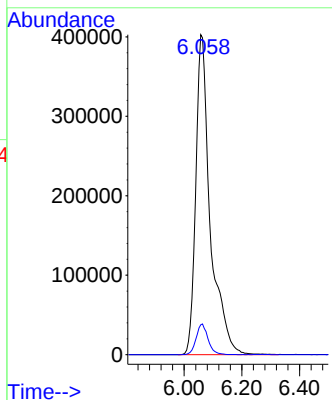
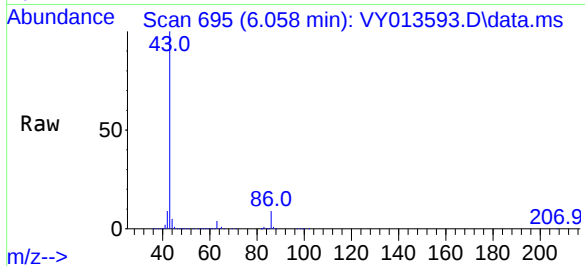




#23  
 Vinyl Acetate  
 Concen: 262.225 ug/l  
 RT: 6.058 min Scan# 61  
 Delta R.T. 0.001 min  
 Lab File: VY013593.D  
 Acq: 04 May 2023 11:52

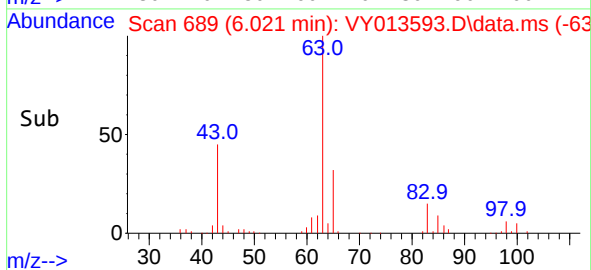
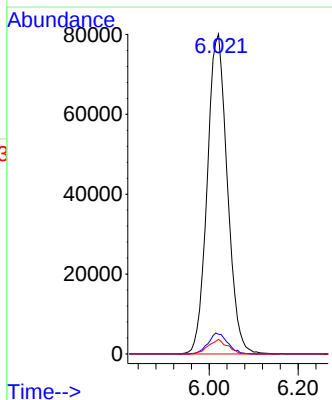
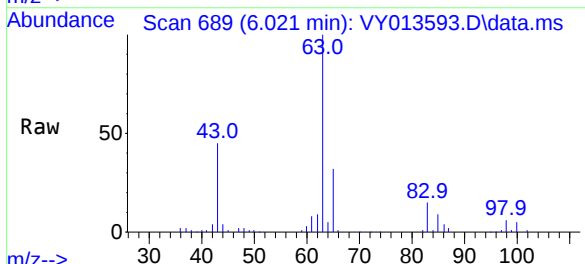
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

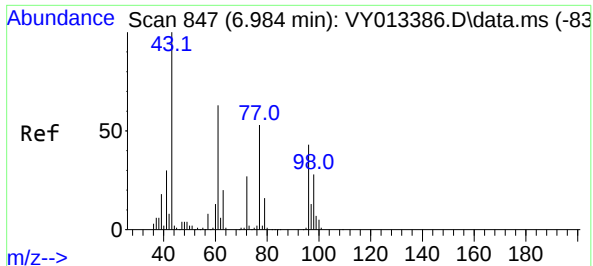
Tgt Ion: 43 Resp: 1401765  
 Ion Ratio Lower Upper  
 43 100  
 86 9.3 8.5 12.7



#24  
 1,1-Dichloroethane  
 Concen: 47.748 ug/l  
 RT: 6.021 min Scan# 689  
 Delta R.T. 0.006 min  
 Lab File: VY013593.D  
 Acq: 04 May 2023 11:52

Tgt Ion: 63 Resp: 251249  
 Ion Ratio Lower Upper  
 63 100  
 98 6.2 3.5 10.6  
 100 4.6 2.2 6.6





#25

2-Butanone

Concen: 236.276 ug/l

RT: 6.990 min Scan# 84

Delta R.T. 0.006 min

Lab File: VY013593.D

Acq: 04 May 2023 11:52

Instrument :

MSVOA\_Y

ClientSampleId :

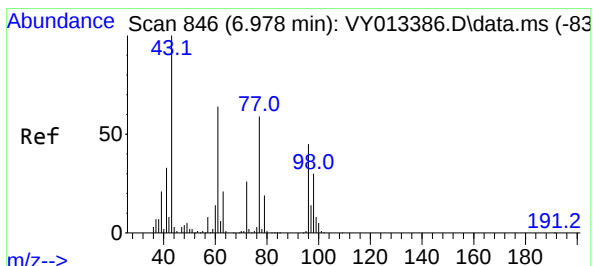
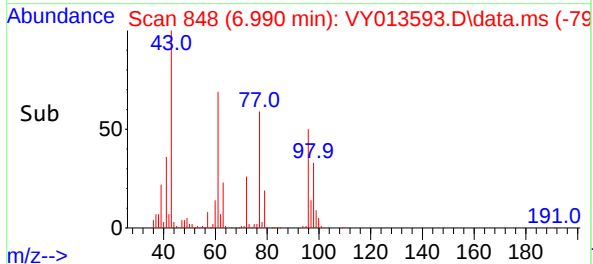
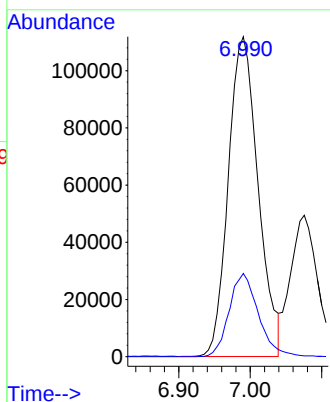
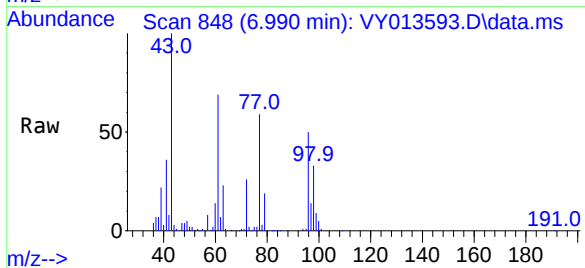
VSTDCCC050

Tgt Ion: 43 Resp: 324030

Ion Ratio Lower Upper

43 100

72 26.0 21.9 32.9



#26

2,2-Dichloropropane

Concen: 49.539 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.000 min

Lab File: VY013593.D

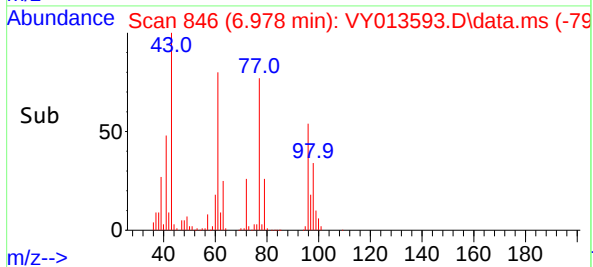
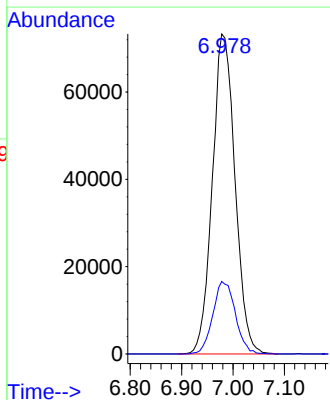
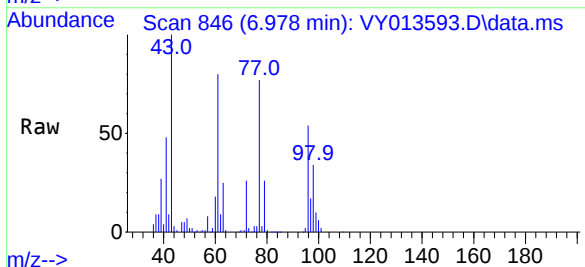
Acq: 04 May 2023 11:52

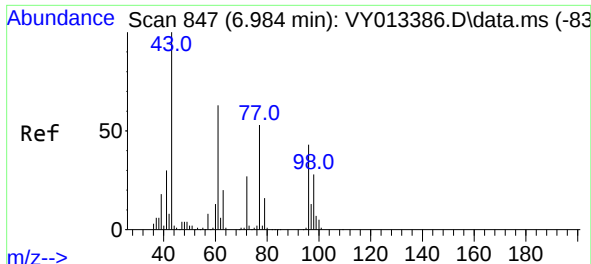
Tgt Ion: 77 Resp: 224621

Ion Ratio Lower Upper

77 100

97 22.5 11.8 35.4

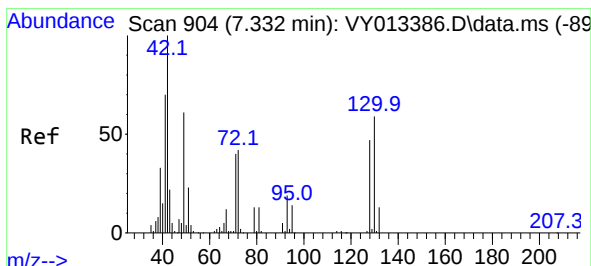
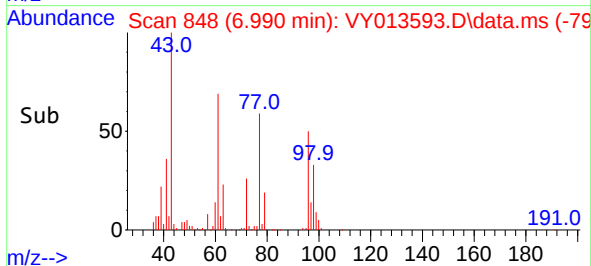
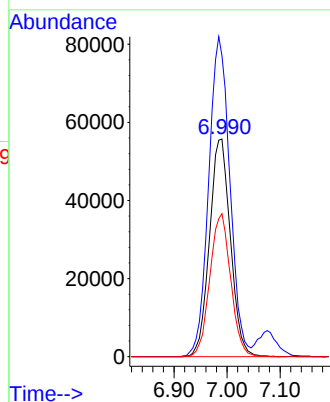
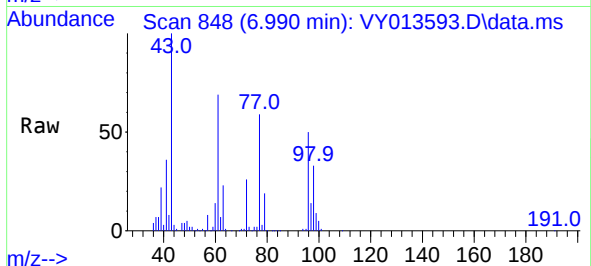




#27  
cis-1,2-Dichloroethene  
Concen: 48.602 ug/l  
RT: 6.990 min Scan# 84  
Delta R.T. 0.006 min  
Lab File: VY013593.D  
Acq: 04 May 2023 11:52

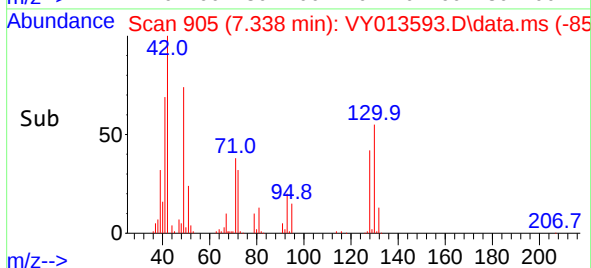
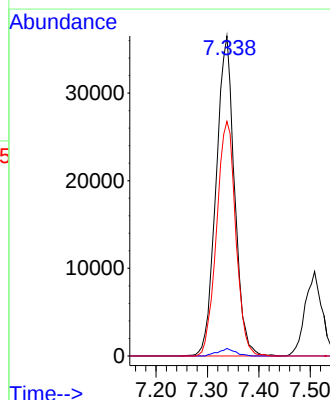
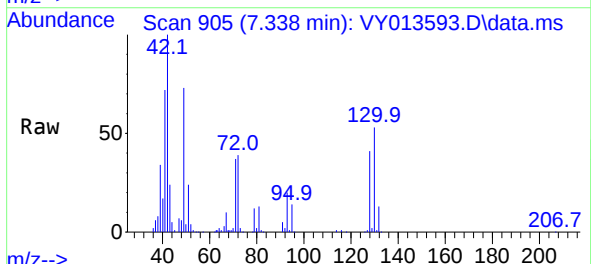
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

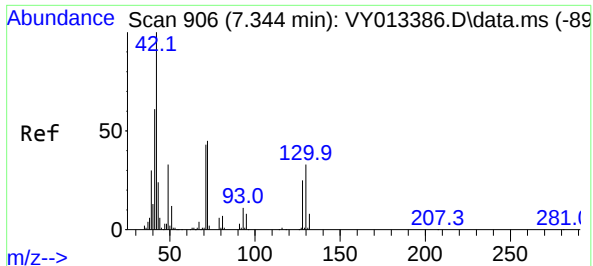
Tgt Ion: 96 Resp: 152848  
Ion Ratio Lower Upper  
96 100  
61 148.8 0.0 285.0  
98 65.3 0.0 130.6



#28  
Bromochloromethane  
Concen: 48.649 ug/l  
RT: 7.338 min Scan# 905  
Delta R.T. 0.006 min  
Lab File: VY013593.D  
Acq: 04 May 2023 11:52

Tgt Ion: 49 Resp: 90841  
Ion Ratio Lower Upper  
49 100  
129 2.2 0.0 5.2  
130 76.2 72.1 108.1

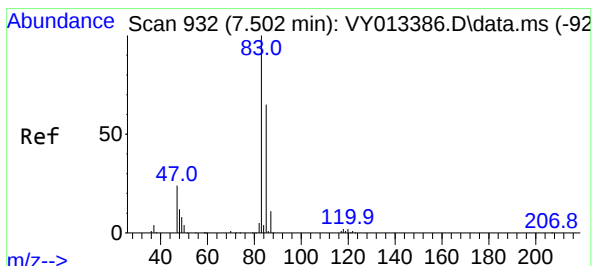
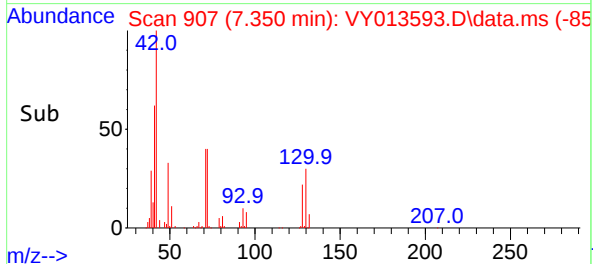
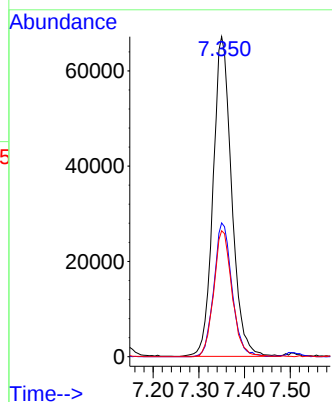
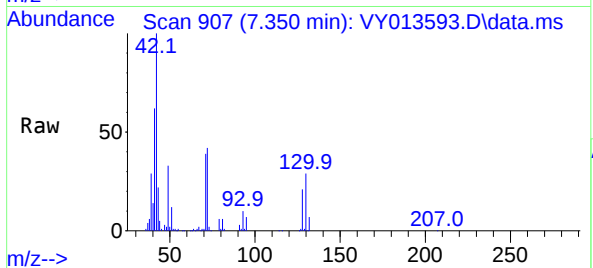




#29  
Tetrahydrofuran  
Concen: 221.979 ug/l  
RT: 7.350 min Scan# 906  
Delta R.T. 0.006 min  
Lab File: VY013593.D  
Acq: 04 May 2023 11:52

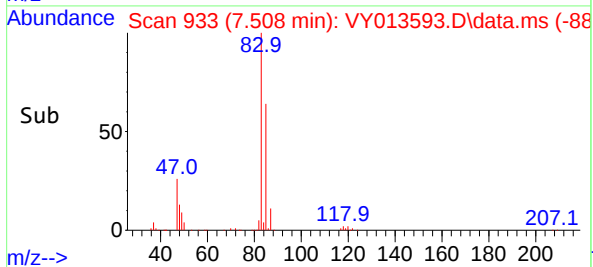
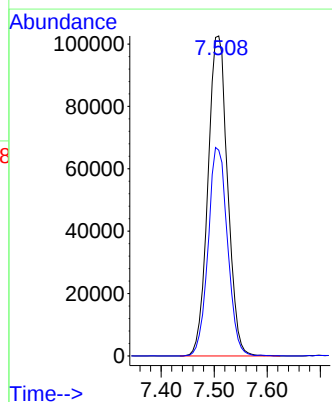
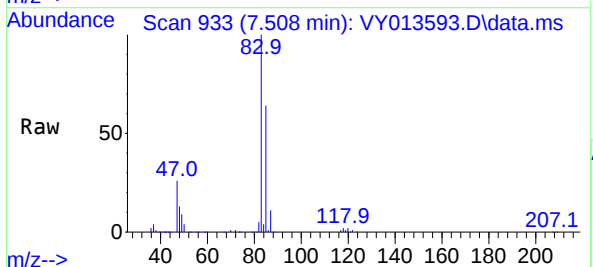
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

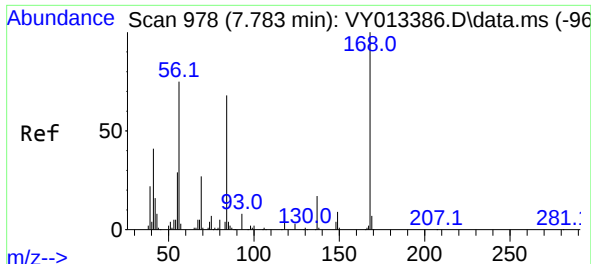
Tgt Ion: 42 Resp: 189497  
Ion Ratio Lower Upper  
42 100  
72 40.8 35.9 53.9  
71 38.6 34.3 51.5



#30  
Chloroform  
Concen: 50.355 ug/l  
RT: 7.508 min Scan# 933  
Delta R.T. 0.006 min  
Lab File: VY013593.D  
Acq: 04 May 2023 11:52

Tgt Ion: 83 Resp: 263446  
Ion Ratio Lower Upper  
83 100  
85 64.3 52.0 78.0

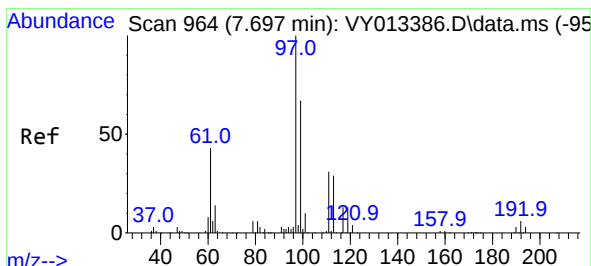
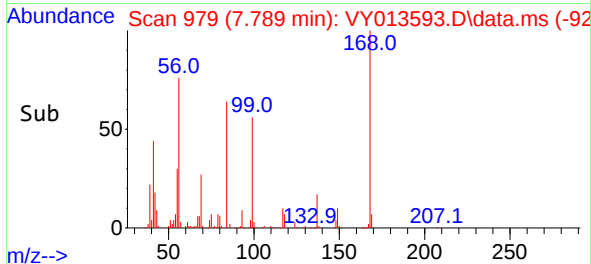
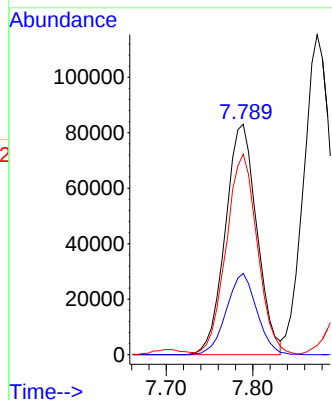
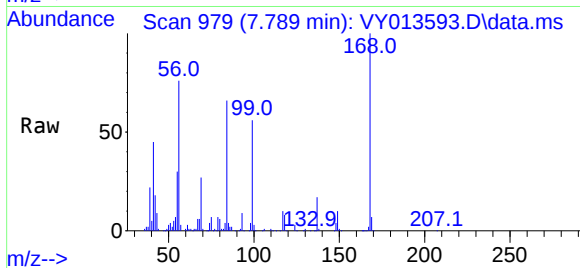




#31  
Cyclohexane  
Concen: 42.790 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY013593.D  
Acq: 04 May 2023 11:52

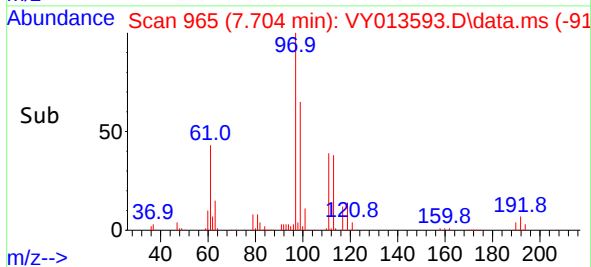
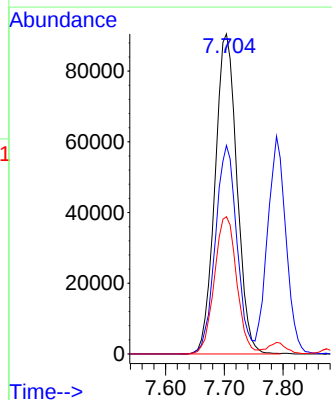
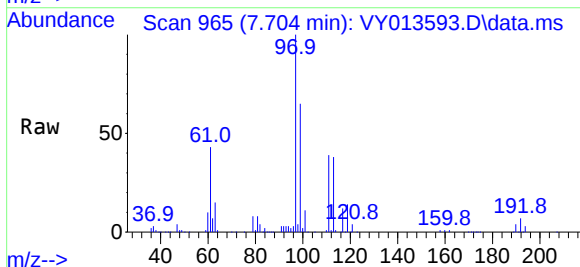
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

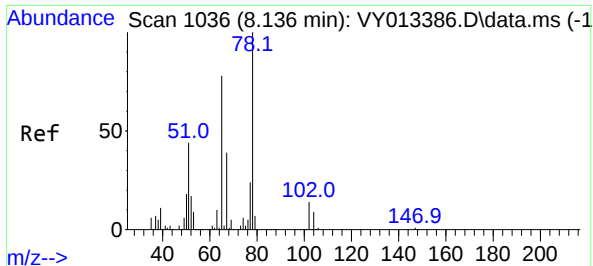
Tgt Ion: 56 Resp: 210369  
Ion Ratio Lower Upper  
56 100  
69 35.3 29.2 43.8  
84 85.6 73.0 109.6



#32  
1,1,1-Trichloroethane  
Concen: 50.230 ug/l  
RT: 7.704 min Scan# 965  
Delta R.T. 0.007 min  
Lab File: VY013593.D  
Acq: 04 May 2023 11:52

Tgt Ion: 97 Resp: 234499  
Ion Ratio Lower Upper  
97 100  
99 64.4 52.2 78.2  
61 43.7 33.8 50.8

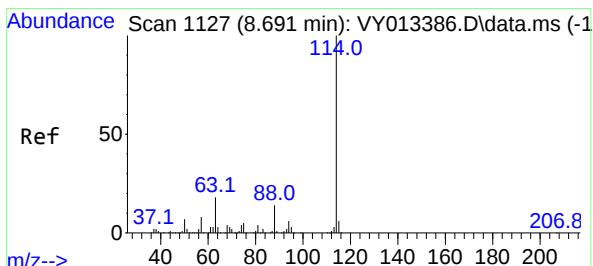
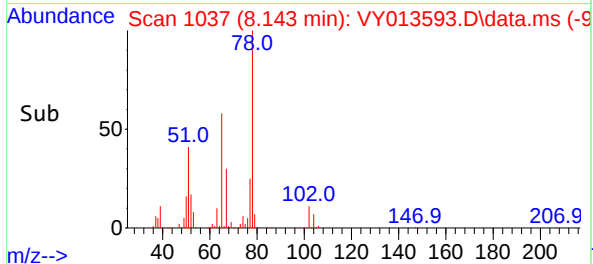
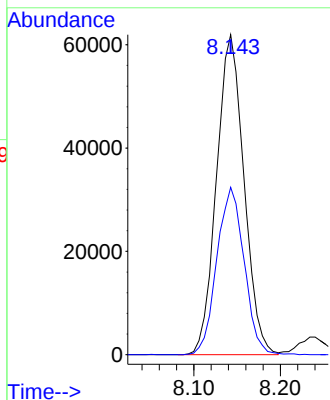
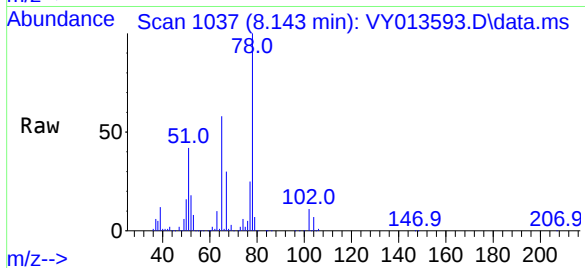




#33  
1,2-Dichloroethane-d4  
Concen: 49.700 ug/l  
RT: 8.143 min Scan# 1036  
Delta R.T. 0.007 min  
Lab File: VY013593.D  
Acq: 04 May 2023 11:52

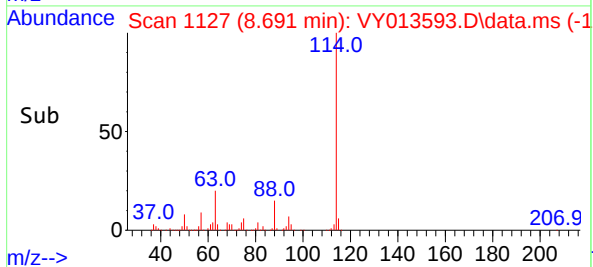
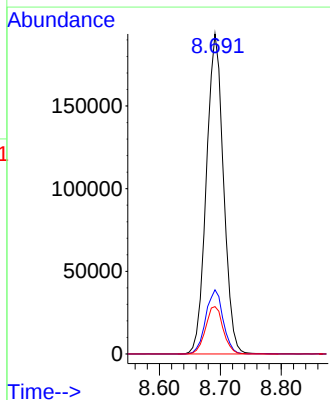
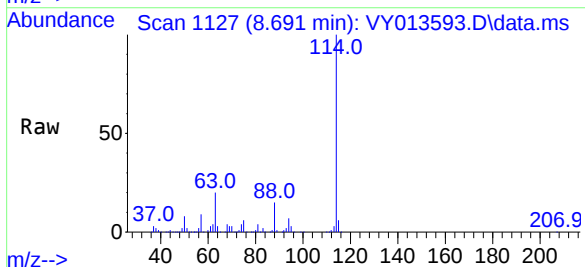
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

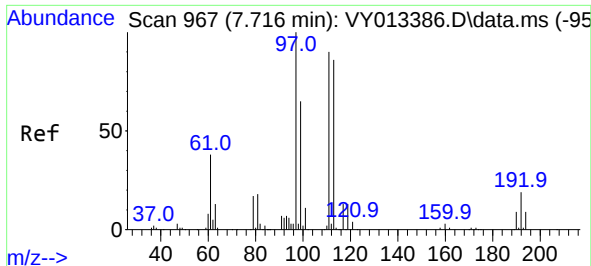
Tgt Ion: 65 Resp: 136472  
Ion Ratio Lower Upper  
65 100  
67 52.0 0.0 103.4



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.691 min Scan# 1127  
Delta R.T. 0.000 min  
Lab File: VY013593.D  
Acq: 04 May 2023 11:52

Tgt Ion: 114 Resp: 378178  
Ion Ratio Lower Upper  
114 100  
63 20.0 0.0 36.6  
88 14.8 0.0 28.8

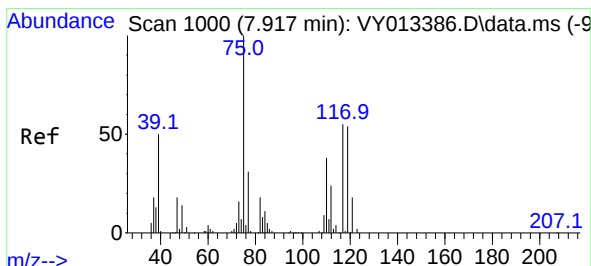
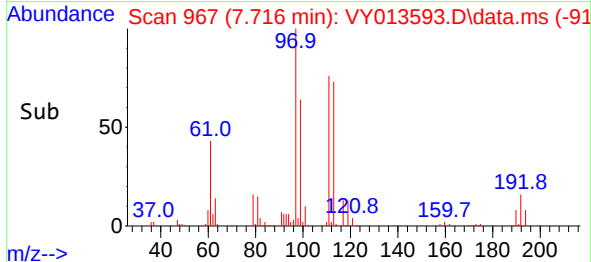
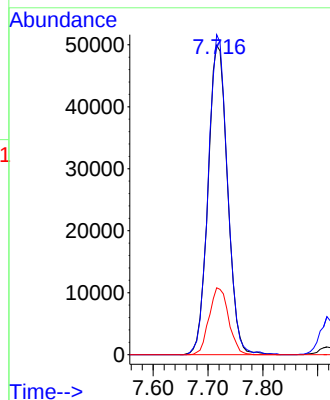
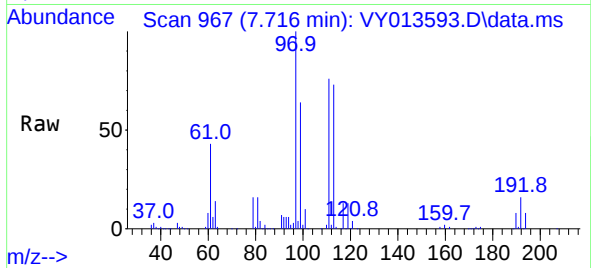




#35  
Dibromofluoromethane  
Concen: 51.864 ug/l  
RT: 7.716 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY013593.D  
Acq: 04 May 2023 11:52

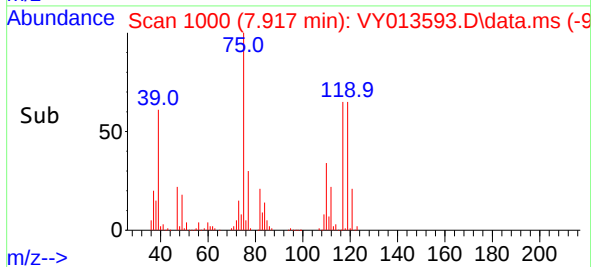
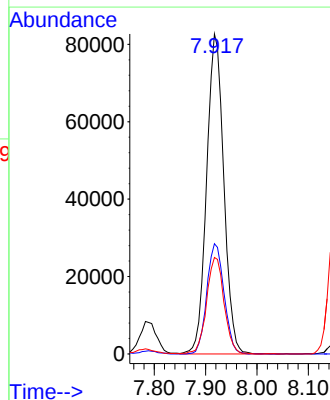
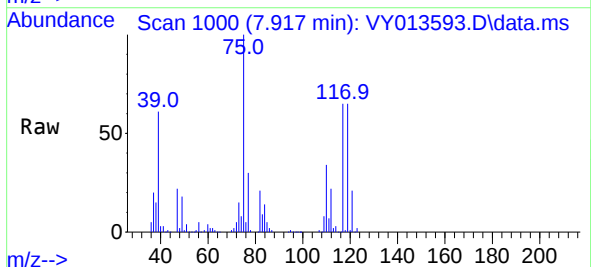
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

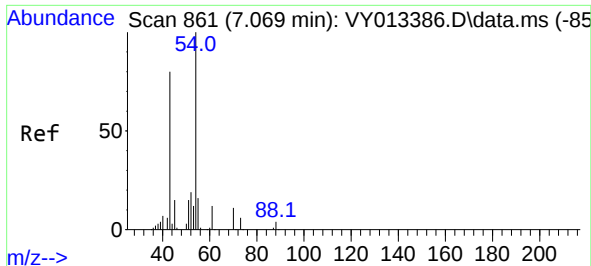
Tgt Ion:113 Resp: 123363  
Ion Ratio Lower Upper  
113 100  
111 101.4 82.2 123.2  
192 21.5 16.7 25.1



#36  
1,1-Dichloropropene  
Concen: 48.578 ug/l  
RT: 7.917 min Scan# 1000  
Delta R.T. -0.000 min  
Lab File: VY013593.D  
Acq: 04 May 2023 11:52

Tgt Ion: 75 Resp: 191763  
Ion Ratio Lower Upper  
75 100  
110 34.5 18.7 56.1  
77 30.8 24.6 37.0

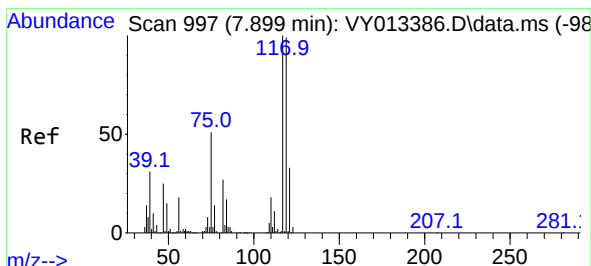
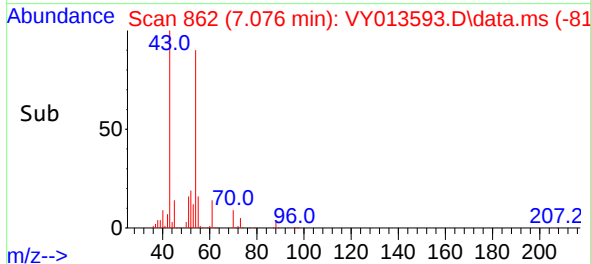
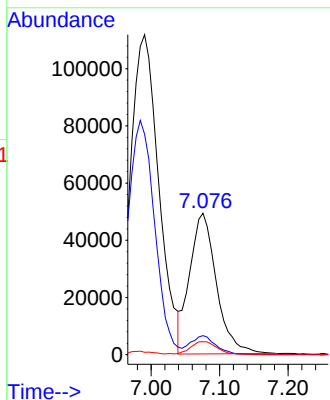
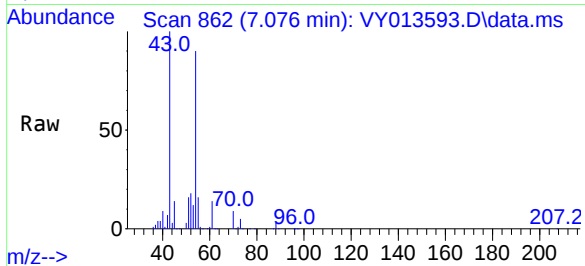




#37  
Ethyl Acetate  
Concen: 45.139 ug/l  
RT: 7.076 min Scan# 80  
Delta R.T. 0.007 min  
Lab File: VY013593.D  
Acq: 04 May 2023 11:52

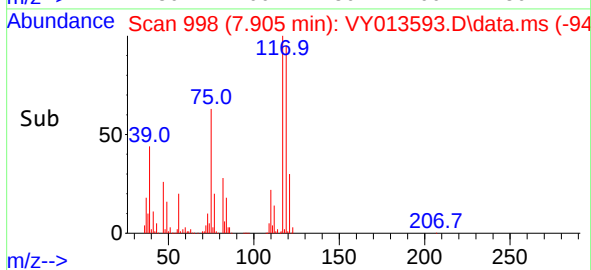
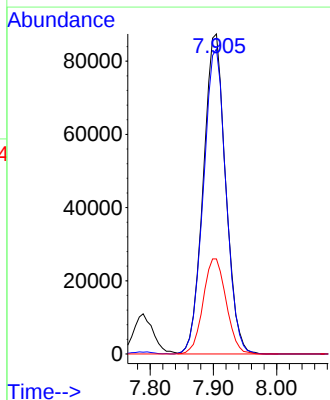
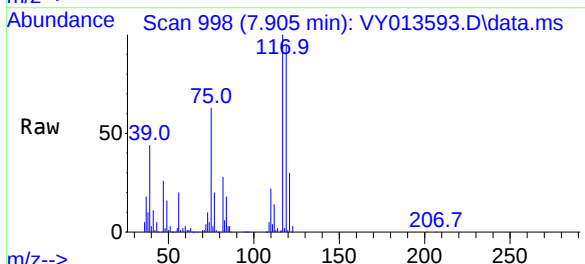
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

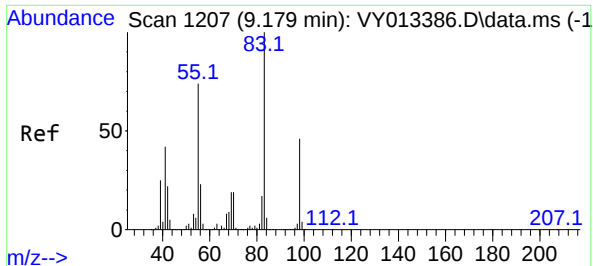
Tgt Ion: 43 Resp: 134094  
Ion Ratio Lower Upper  
43 100  
61 12.7 11.4 17.0  
70 9.3 7.9 11.9



#38  
Carbon Tetrachloride  
Concen: 51.842 ug/l  
RT: 7.905 min Scan# 998  
Delta R.T. 0.006 min  
Lab File: VY013593.D  
Acq: 04 May 2023 11:52

Tgt Ion: 117 Resp: 214495  
Ion Ratio Lower Upper  
117 100  
119 95.3 79.0 118.6  
121 29.7 26.6 40.0





#39

Methylcyclohexane

Concen: 47.015 ug/l

RT: 9.185 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY013593.D

Acq: 04 May 2023 11:52

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

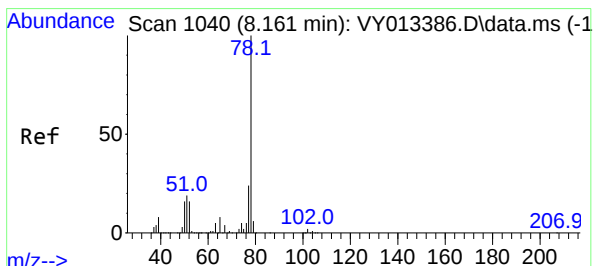
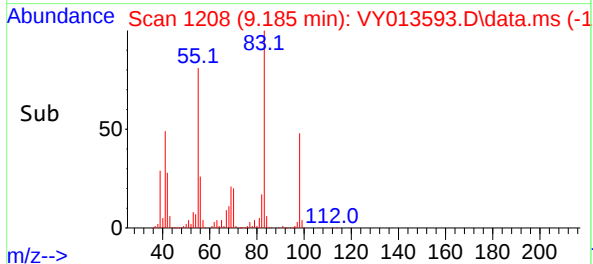
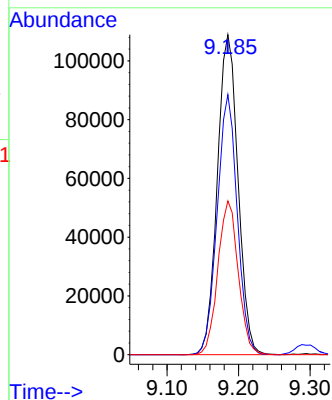
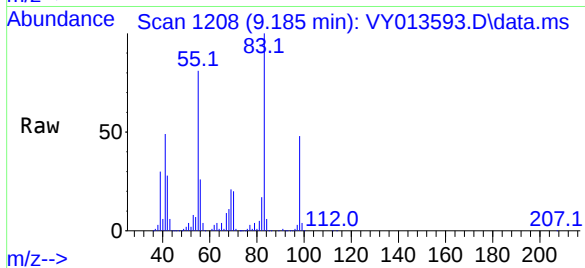
Tgt Ion: 83 Resp: 218797

Ion Ratio Lower Upper

83 100

55 81.2 59.0 88.4

98 48.1 37.0 55.4



#40

Benzene

Concen: 49.494 ug/l

RT: 8.161 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY013593.D

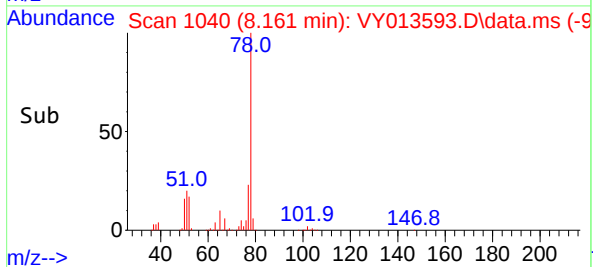
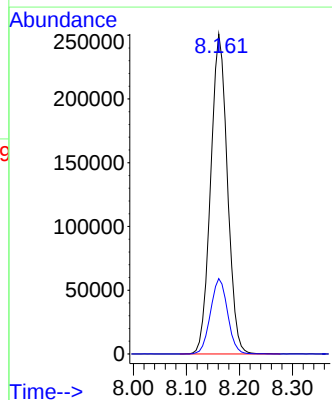
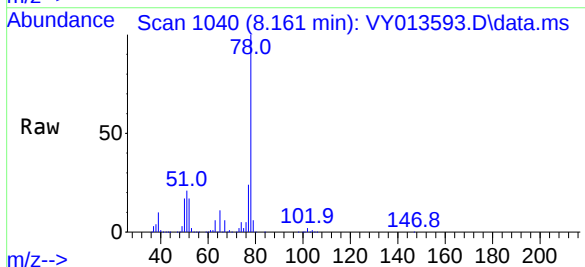
Acq: 04 May 2023 11:52

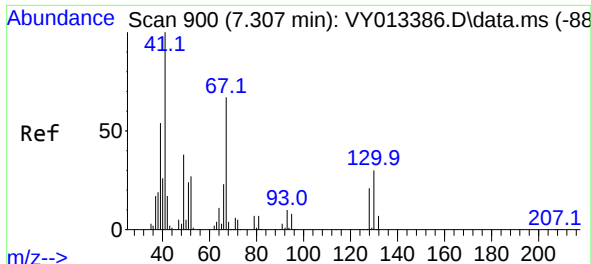
Tgt Ion: 78 Resp: 550359

Ion Ratio Lower Upper

78 100

77 23.6 19.2 28.8



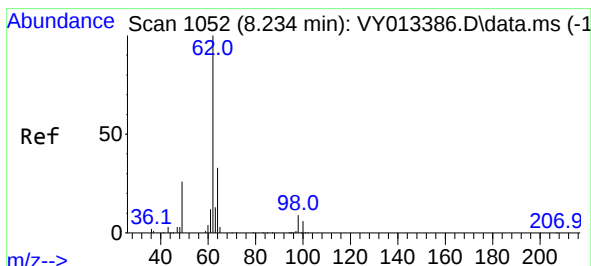
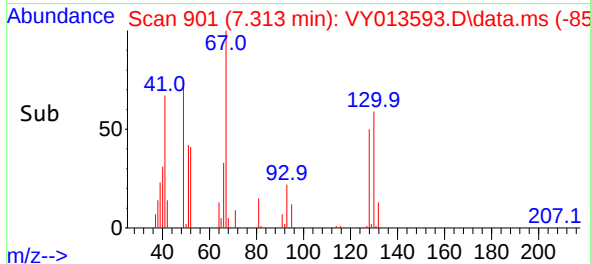
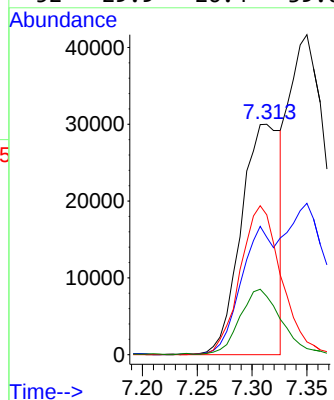
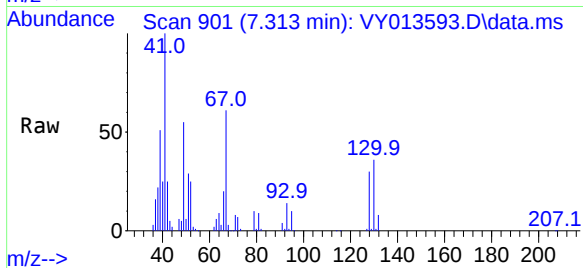


#41  
Methacrylonitrile  
Concen: 53.848 ug/l  
RT: 7.313 min Scan# 901  
Delta R.T. 0.006 min  
Lab File: VY013593.D  
Acq: 04 May 2023 11:52

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

Tgt Ion: 41 Resp: 74542

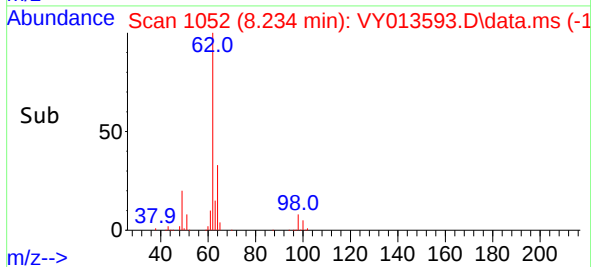
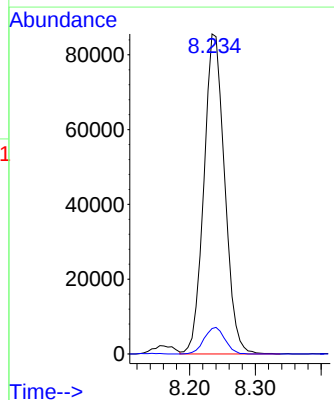
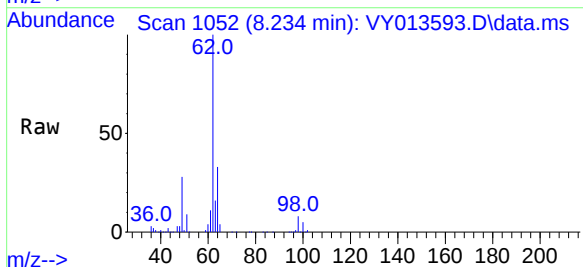
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 39  | 45.9  | 44.2  | 66.4  |
| 67  | 68.7  | 62.9  | 94.3  |
| 52  | 29.9  | 26.4  | 39.6  |

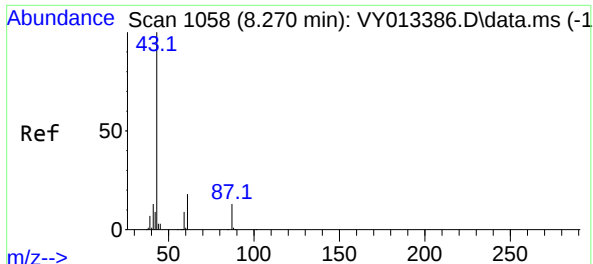


#42  
1,2-Dichloroethane  
Concen: 51.746 ug/l  
RT: 8.234 min Scan# 1052  
Delta R.T. -0.000 min  
Lab File: VY013593.D  
Acq: 04 May 2023 11:52

Tgt Ion: 62 Resp: 188120

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 62  | 100   |       |       |
| 98  | 8.3   | 0.0   | 17.8  |





#43

Isopropyl Acetate

Concen: 46.698 ug/l

RT: 8.271 min Scan# 1105

Delta R.T. 0.001 min

Lab File: VY013593.D

Acq: 04 May 2023 11:52

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

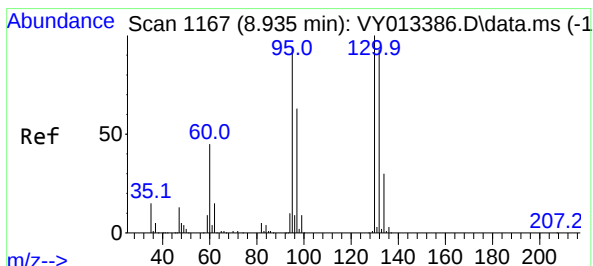
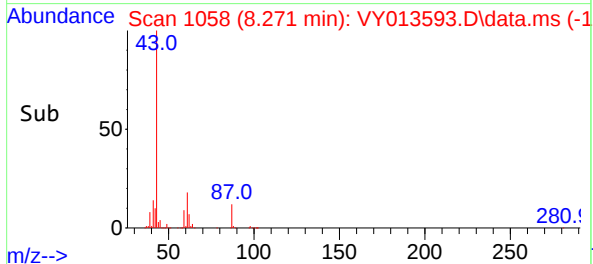
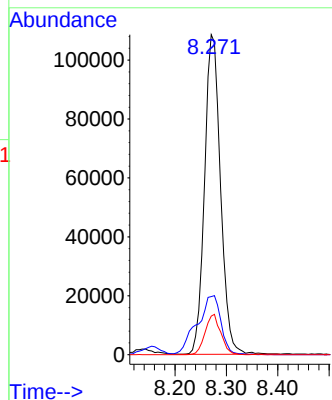
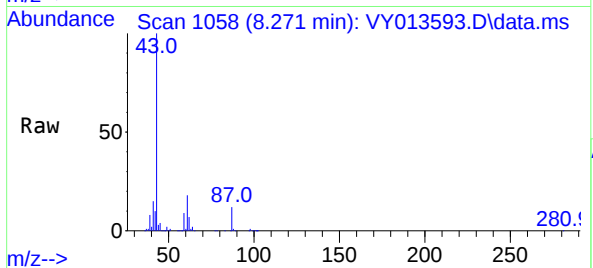
Tgt Ion: 43 Resp: 234155

Ion Ratio Lower Upper

43 100

61 27.2 22.2 33.4

87 12.3 11.0 16.6



#44

Trichloroethene

Concen: 49.346 ug/l

RT: 8.941 min Scan# 1168

Delta R.T. 0.006 min

Lab File: VY013593.D

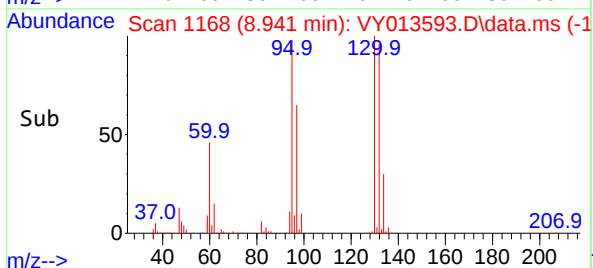
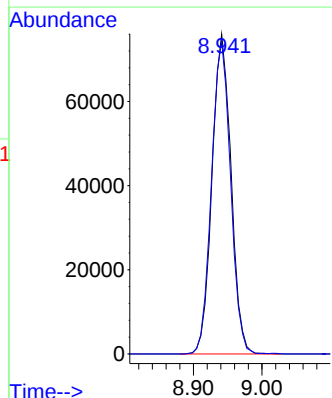
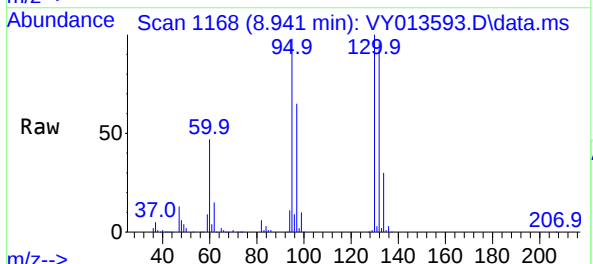
Acq: 04 May 2023 11:52

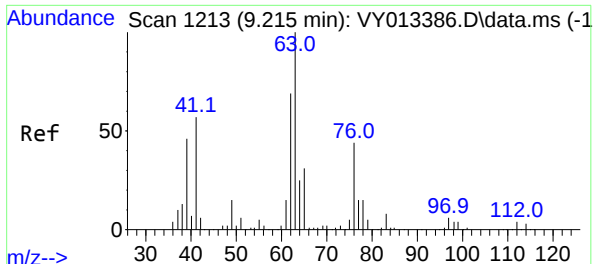
Tgt Ion:130 Resp: 145960

Ion Ratio Lower Upper

130 100

95 97.7 0.0 188.8





#45

1,2-Dichloropropane

Concen: 49.490 ug/l

RT: 9.216 min Scan# 11

Delta R.T. 0.001 min

Lab File: VY013593.D

Acq: 04 May 2023 11:52

Instrument :

MSVOA\_Y

ClientSampleId :

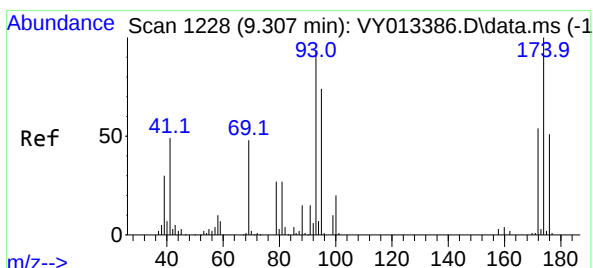
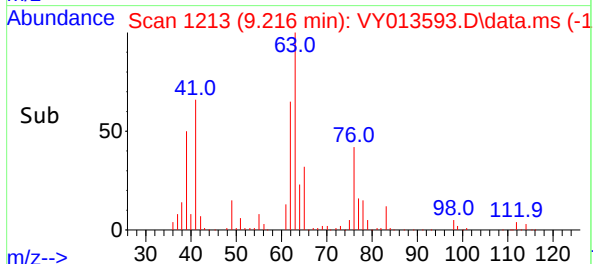
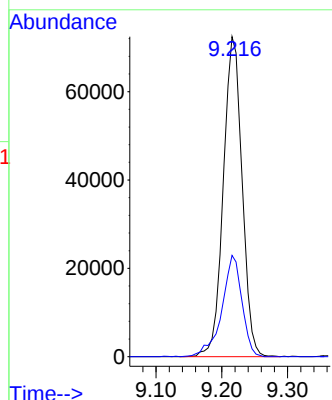
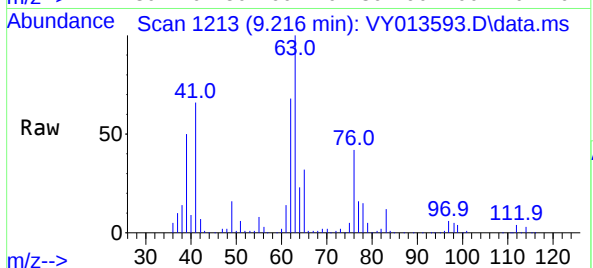
VSTDCCC050

Tgt Ion: 63 Resp: 143888

Ion Ratio Lower Upper

63 100

65 31.7 24.6 37.0



#46

Dibromomethane

Concen: 49.601 ug/l

RT: 9.307 min Scan# 1228

Delta R.T. -0.000 min

Lab File: VY013593.D

Acq: 04 May 2023 11:52

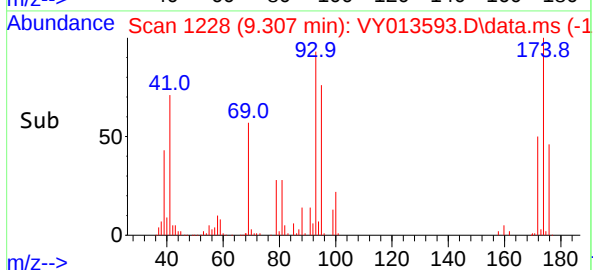
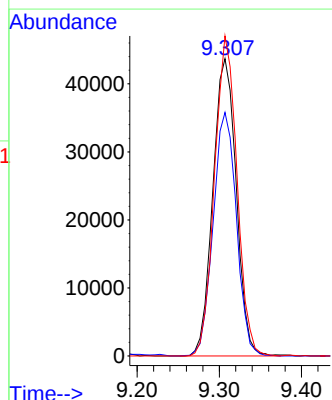
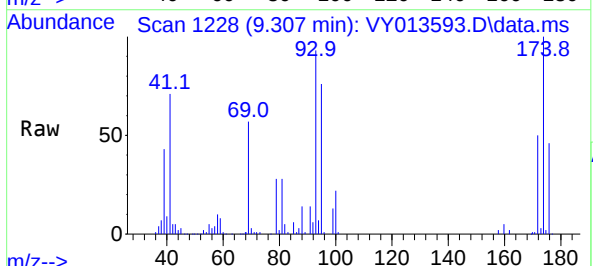
Tgt Ion: 93 Resp: 86288

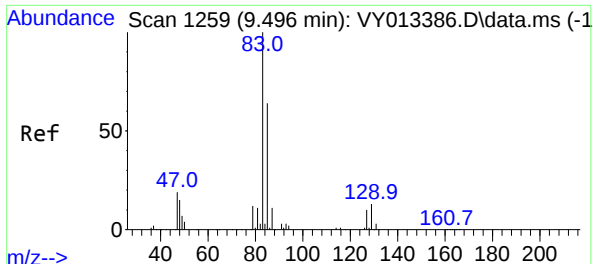
Ion Ratio Lower Upper

93 100

95 81.5 67.1 100.7

174 103.5 87.0 130.4





#47

Bromodichloromethane

Concen: 52.221 ug/l

RT: 9.496 min Scan# 1259

Delta R.T. -0.000 min

Lab File: VY013593.D

Acq: 04 May 2023 11:52

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

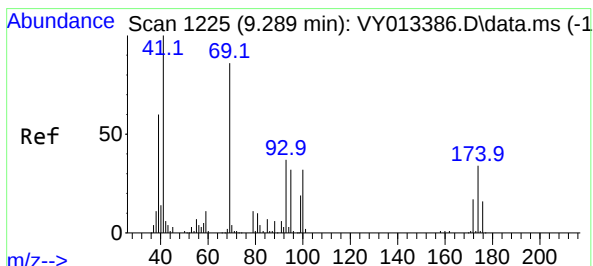
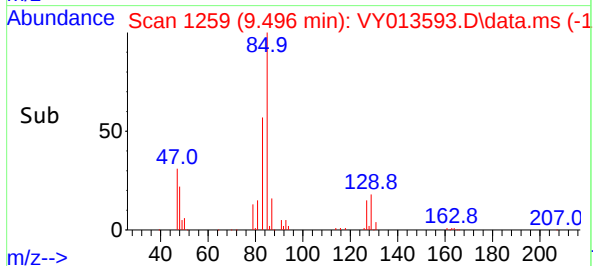
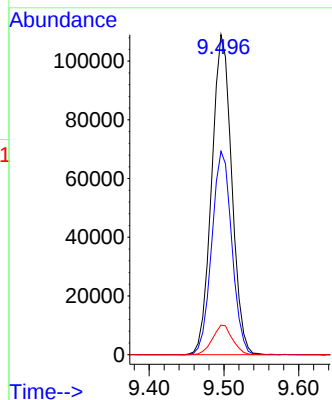
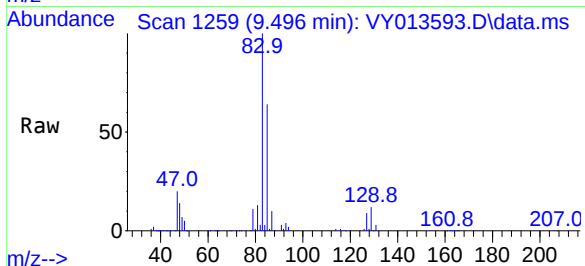
Tgt Ion: 83 Resp: 203279

Ion Ratio Lower Upper

83 100

85 63.6 51.4 77.2

127 9.2 8.1 12.1



#48

Methyl methacrylate

Concen: 47.305 ug/l

RT: 9.295 min Scan# 1226

Delta R.T. 0.006 min

Lab File: VY013593.D

Acq: 04 May 2023 11:52

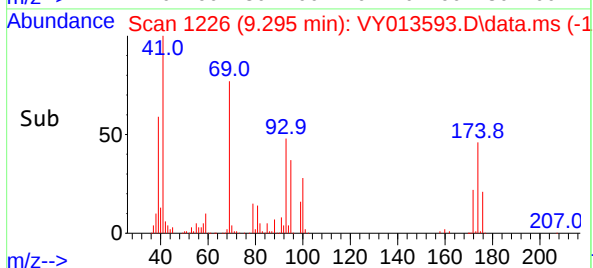
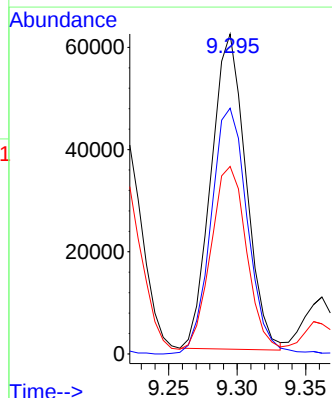
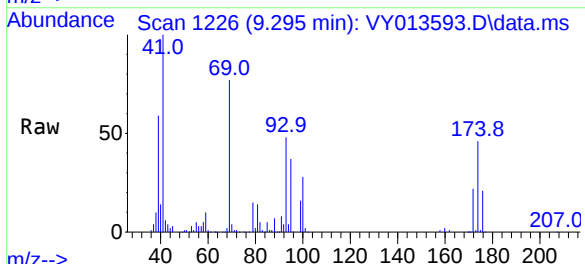
Tgt Ion: 41 Resp: 108937

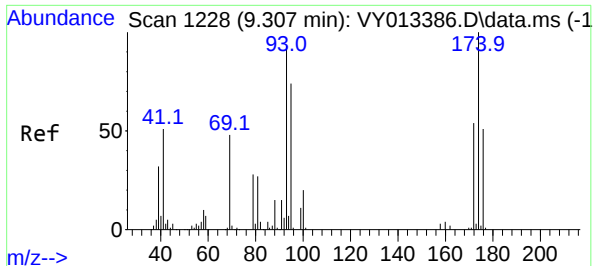
Ion Ratio Lower Upper

41 100

69 82.2 70.2 105.4

39 59.6 47.9 71.9





#49

1,4-Dioxane

Concen: 956.750 ug/l

RT: 9.313 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY013593.D

Acq: 04 May 2023 11:52

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

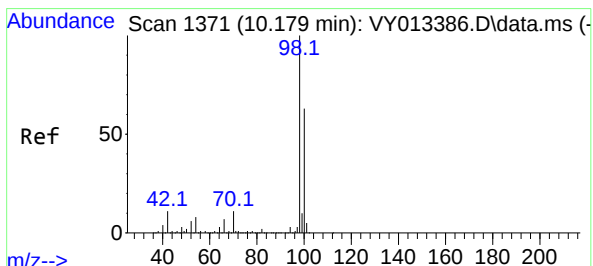
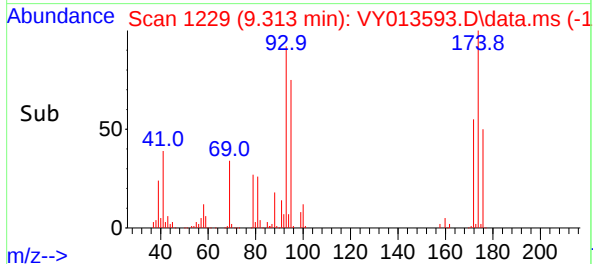
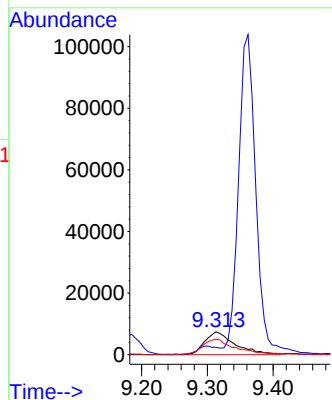
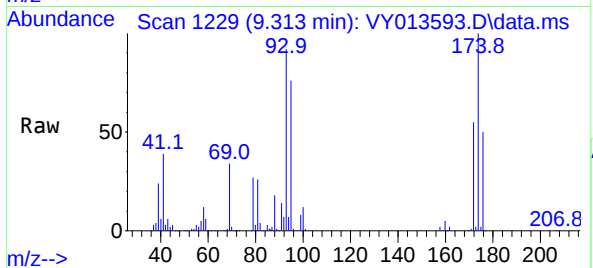
Tgt Ion: 88 Resp: 23771

Ion Ratio Lower Upper

88 100

43 24.9 16.8 25.2

58 73.2 54.3 81.5



#50

Toluene-d8

Concen: 49.169 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY013593.D

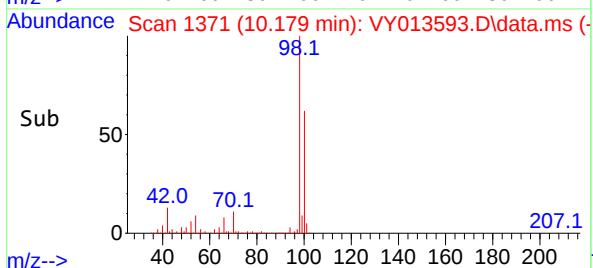
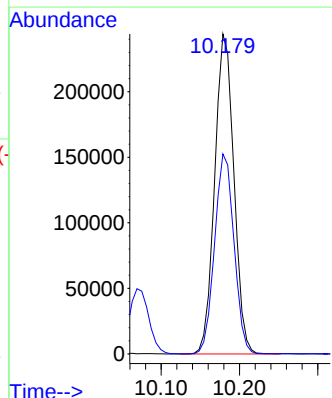
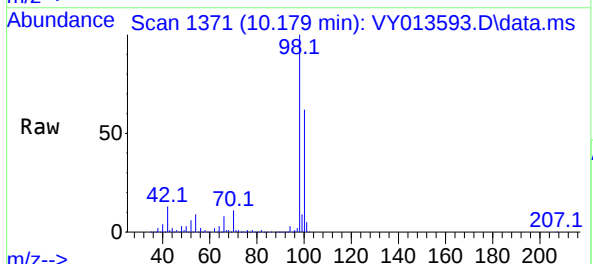
Acq: 04 May 2023 11:52

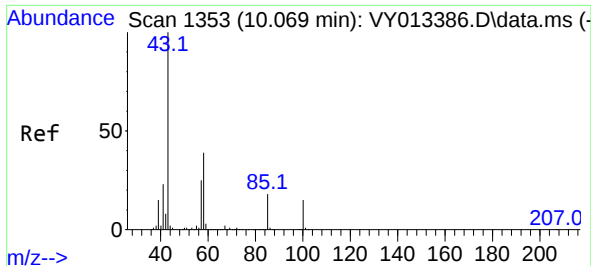
Tgt Ion: 98 Resp: 416043

Ion Ratio Lower Upper

98 100

100 63.1 50.5 75.7

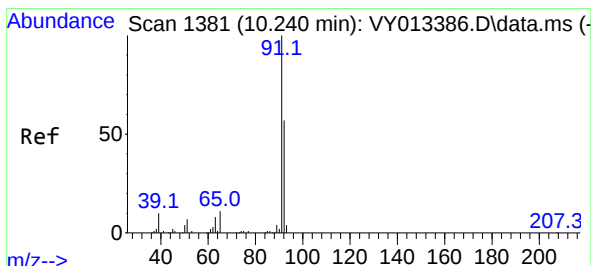
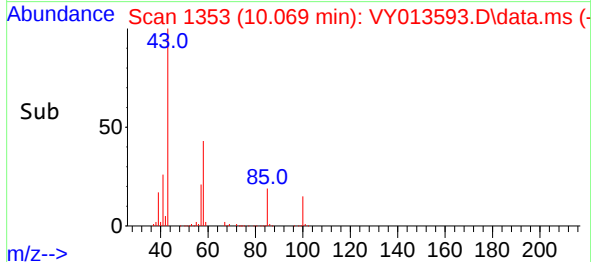
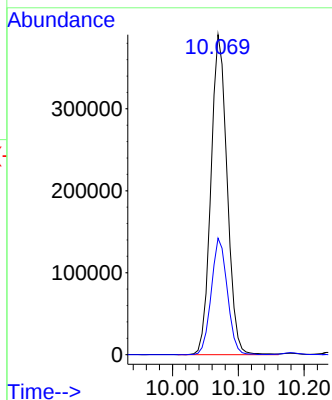
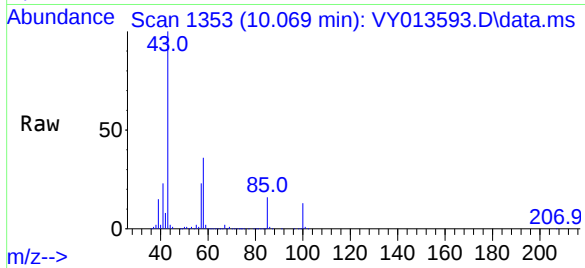




#51  
4-Methyl-2-Pentanone  
Concen: 239.107 ug/l  
RT: 10.069 min Scan# 1353  
Delta R.T. 0.000 min  
Lab File: VY013593.D  
Acq: 04 May 2023 11:52

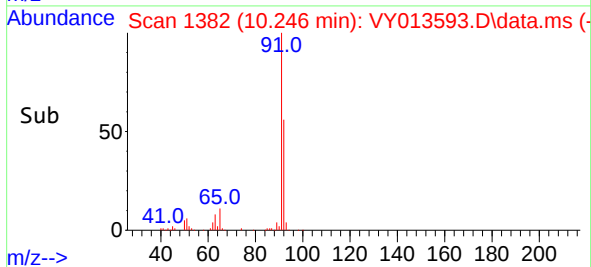
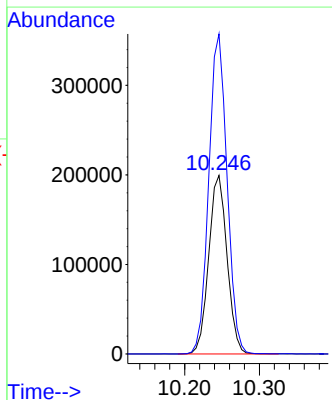
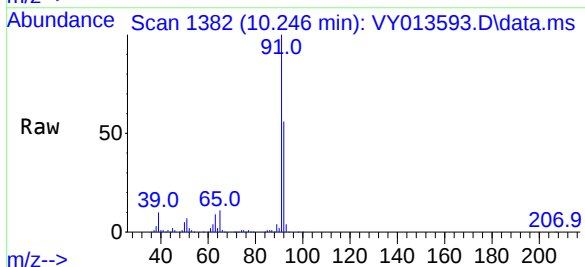
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

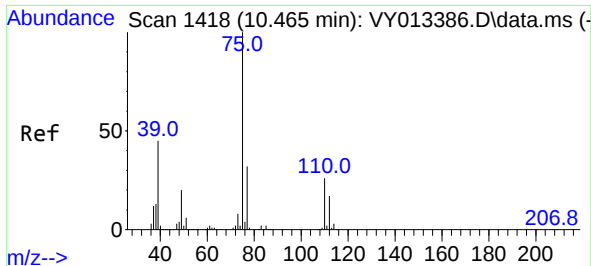
Tgt Ion: 43 Resp: 668097  
Ion Ratio Lower Upper  
43 100  
58 36.1 30.6 46.0



#52  
Toluene  
Concen: 50.873 ug/l  
RT: 10.246 min Scan# 1382  
Delta R.T. 0.006 min  
Lab File: VY013593.D  
Acq: 04 May 2023 11:52

Tgt Ion: 92 Resp: 340421  
Ion Ratio Lower Upper  
92 100  
91 178.4 140.2 210.4

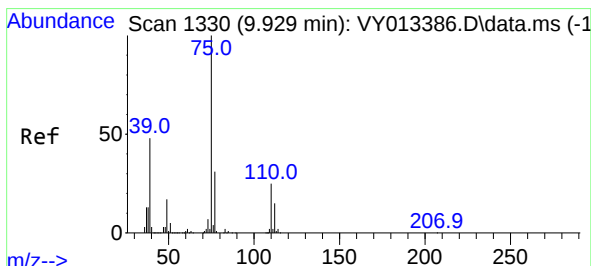
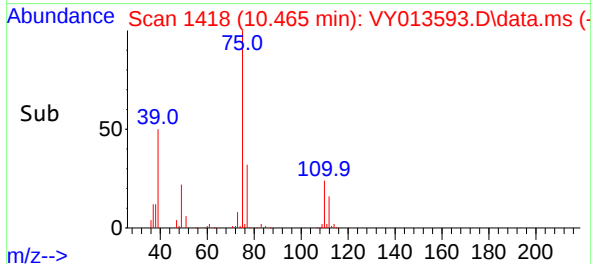
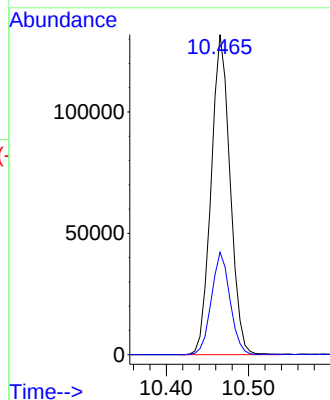
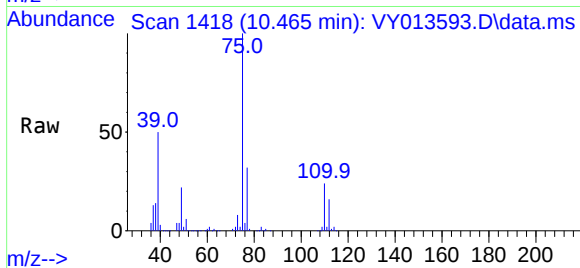




#53  
t-1,3-Dichloropropene  
Concen: 51.360 ug/l  
RT: 10.465 min Scan# 1418  
Delta R.T. 0.000 min  
Lab File: VY013593.D  
Acq: 04 May 2023 11:52

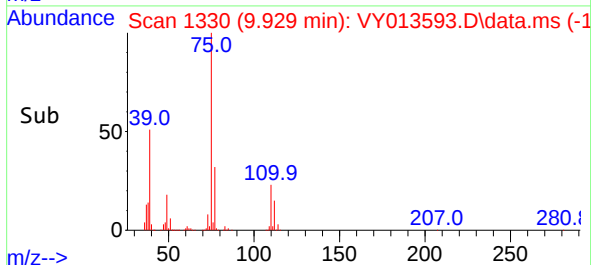
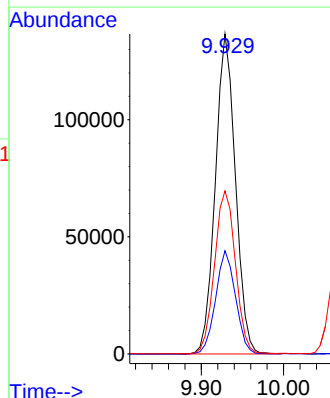
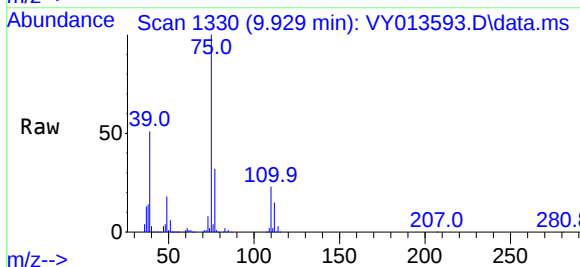
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

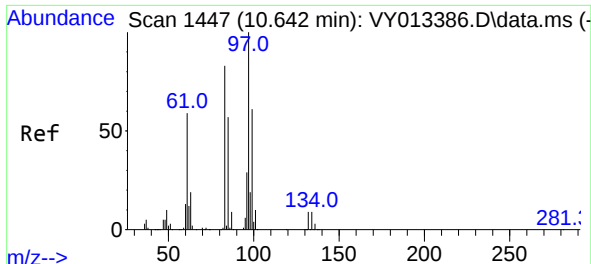
Tgt Ion: 75 Resp: 211592  
Ion Ratio Lower Upper  
75 100  
77 32.0 25.8 38.8



#54  
cis-1,3-Dichloropropene  
Concen: 49.978 ug/l  
RT: 9.929 min Scan# 1330  
Delta R.T. -0.000 min  
Lab File: VY013593.D  
Acq: 04 May 2023 11:52

Tgt Ion: 75 Resp: 231683  
Ion Ratio Lower Upper  
75 100  
77 32.3 24.8 37.2  
39 50.8 38.1 57.1



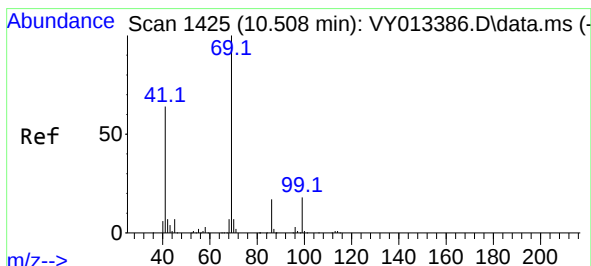
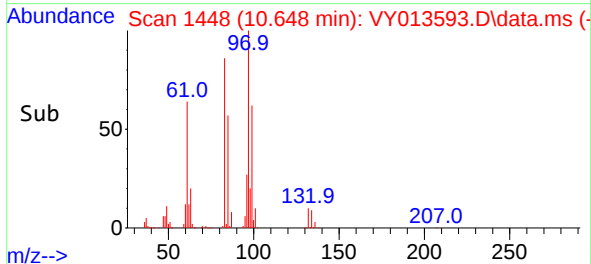
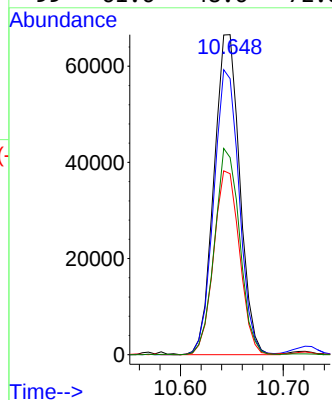
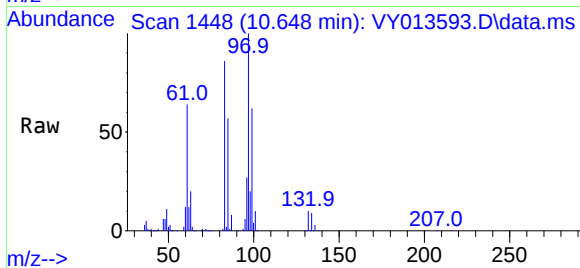


#55  
1,1,2-Trichloroethane  
Concen: 50.326 ug/l  
RT: 10.648 min Scan# 1447  
Delta R.T. 0.006 min  
Lab File: VY013593.D  
Acq: 04 May 2023 11:52

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

Tgt Ion: 97 Resp: 115939

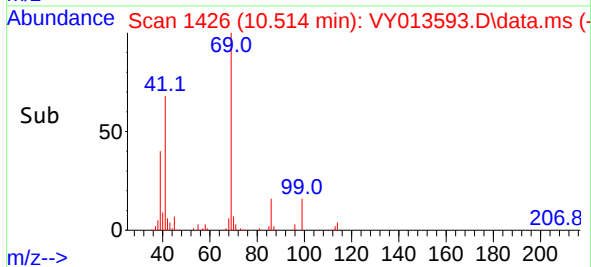
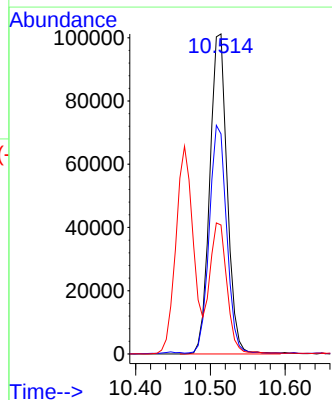
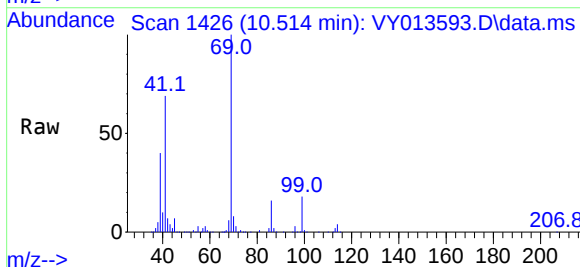
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 86.3  | 66.4  | 99.6  |
| 85  | 56.5  | 45.6  | 68.4  |
| 99  | 61.6  | 48.6  | 72.8  |

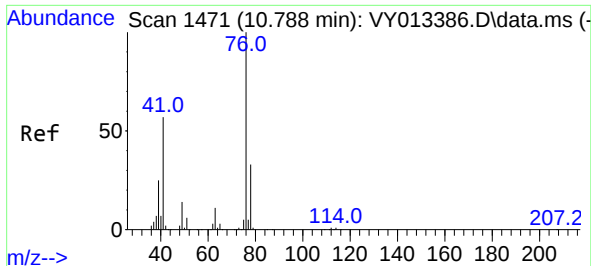


#56  
Ethyl methacrylate  
Concen: 51.097 ug/l  
RT: 10.514 min Scan# 1426  
Delta R.T. 0.006 min  
Lab File: VY013593.D  
Acq: 04 May 2023 11:52

Tgt Ion: 69 Resp: 163312

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 71.0  | 51.4  | 77.0  |
| 39  | 40.1  | 29.0  | 43.6  |





#57

1,3-Dichloropropane

Concen: 50.357 ug/l

RT: 10.788 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VY013593.D

Acq: 04 May 2023 11:52

Instrument :

MSVOA\_Y

ClientSampleId :

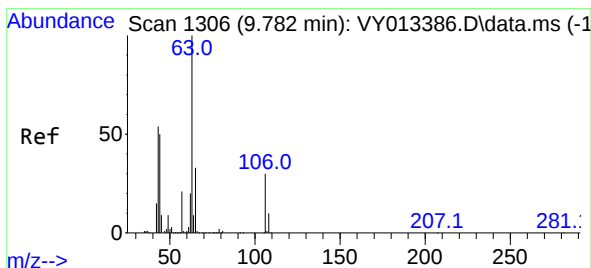
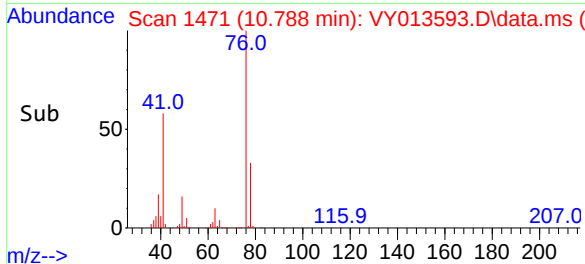
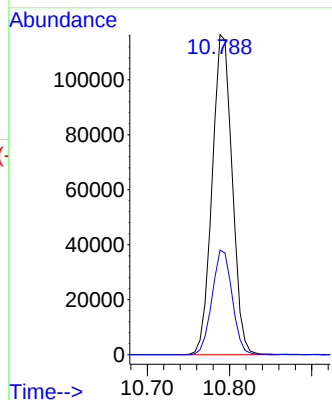
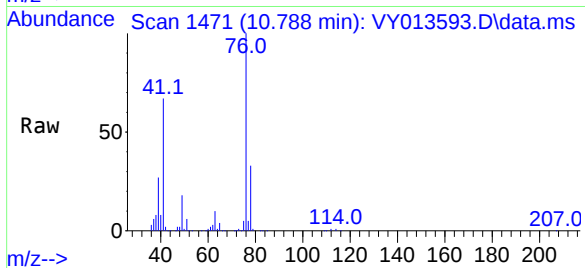
VSTDCCC050

Tgt Ion: 76 Resp: 196476

Ion Ratio Lower Upper

76 100

78 32.8 26.5 39.7



#58

2-Chloroethyl Vinyl ether

Concen: 245.528 ug/l

RT: 9.782 min Scan# 1306

Delta R.T. 0.000 min

Lab File: VY013593.D

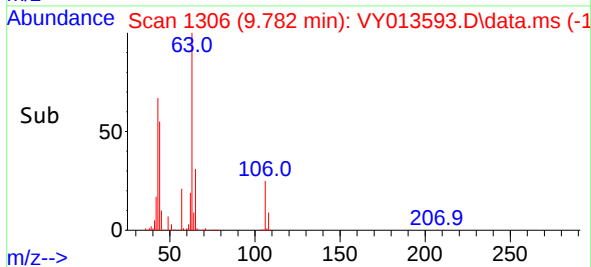
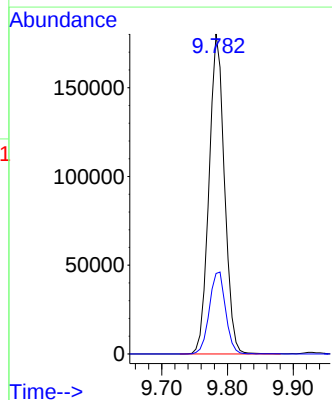
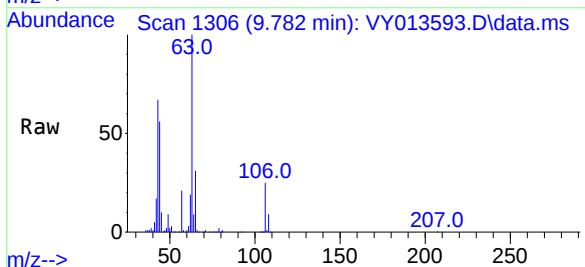
Acq: 04 May 2023 11:52

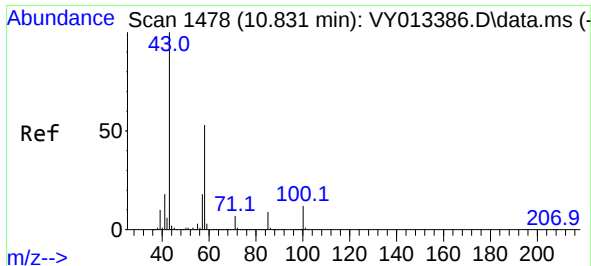
Tgt Ion: 63 Resp: 294266

Ion Ratio Lower Upper

63 100

106 26.9 23.5 35.3

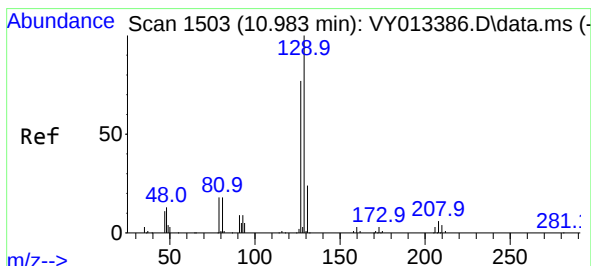
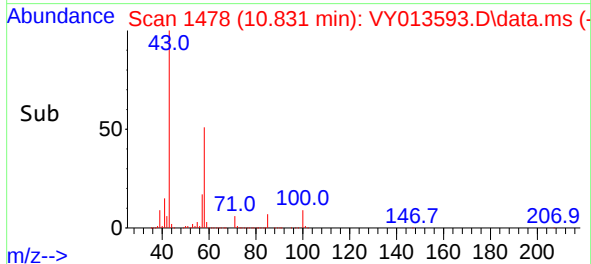
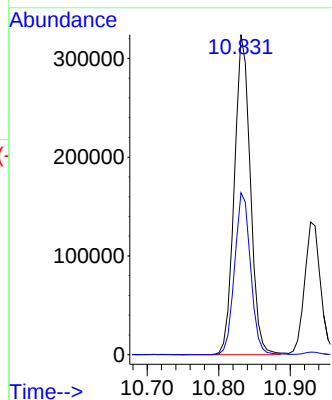
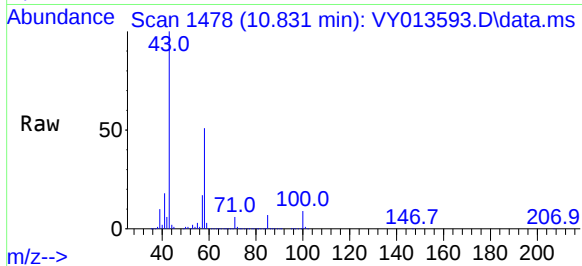




#59  
2-Hexanone  
Concen: 247.361 ug/l  
RT: 10.831 min Scan# 1478  
Delta R.T. 0.000 min  
Lab File: VY013593.D  
Acq: 04 May 2023 11:52

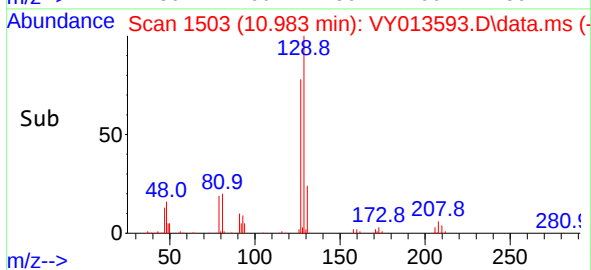
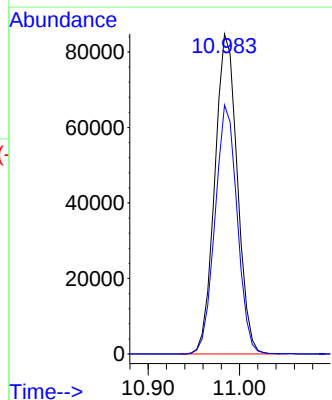
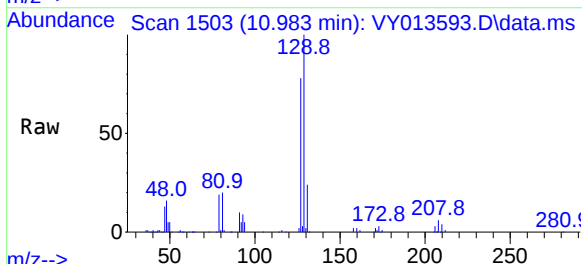
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

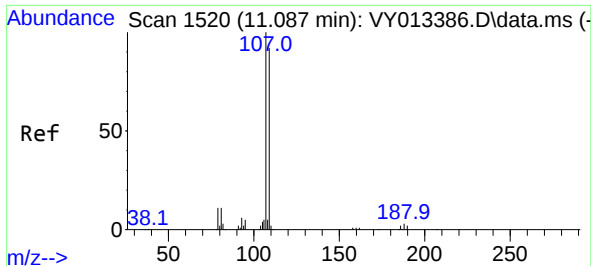
Tgt Ion: 43 Resp: 502418  
Ion Ratio Lower Upper  
43 100  
58 50.6 26.3 78.8



#60  
Dibromochloromethane  
Concen: 51.852 ug/l  
RT: 10.983 min Scan# 1503  
Delta R.T. 0.000 min  
Lab File: VY013593.D  
Acq: 04 May 2023 11:52

Tgt Ion: 129 Resp: 145047  
Ion Ratio Lower Upper  
129 100  
127 76.7 38.7 116.1

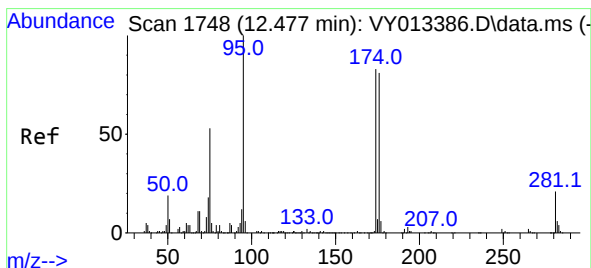
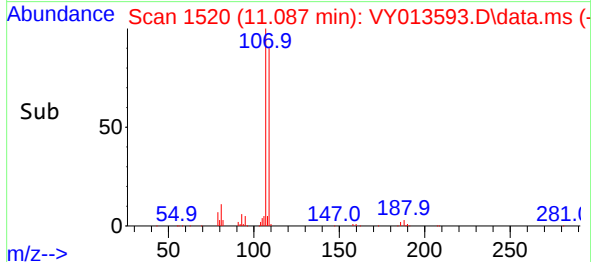
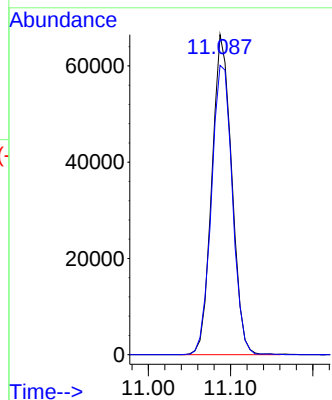
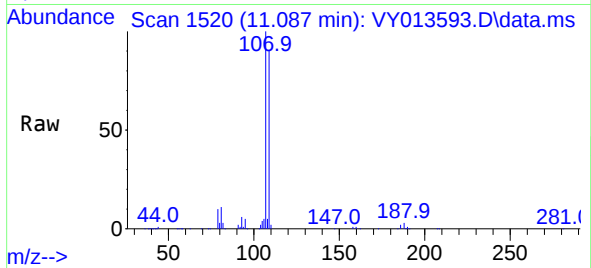




#61  
1,2-Dibromoethane  
Concen: 49.336 ug/l  
RT: 11.087 min Scan# 111745  
Delta R.T. 0.000 min  
Lab File: VY013593.D  
Acq: 04 May 2023 11:52

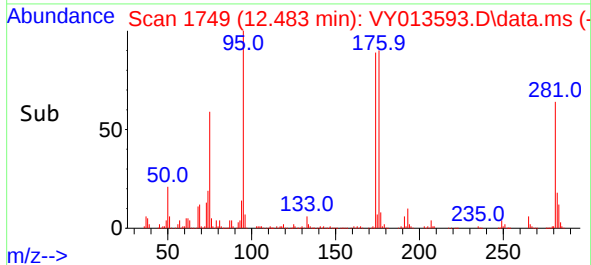
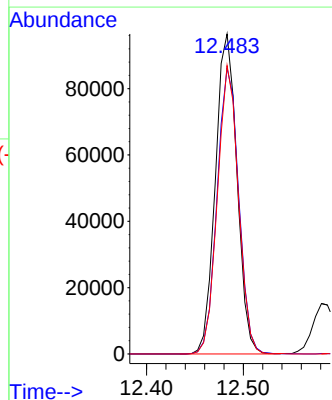
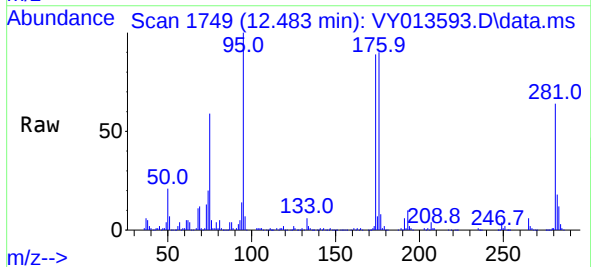
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MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

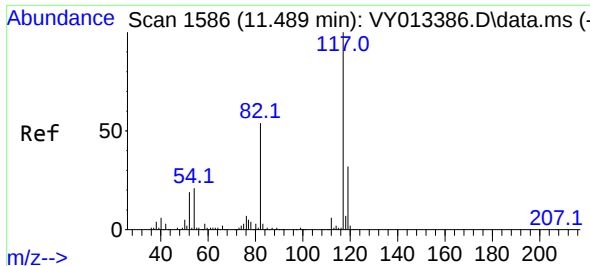
Tgt Ion:107 Resp: 111745  
Ion Ratio Lower Upper  
107 100  
109 95.3 75.6 113.4



#62  
4-Bromofluorobenzene  
Concen: 52.383 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.006 min  
Lab File: VY013593.D  
Acq: 04 May 2023 11:52

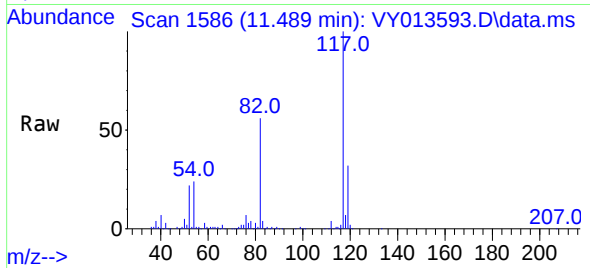
Tgt Ion: 95 Resp: 149428  
Ion Ratio Lower Upper  
95 100  
174 89.5 0.0 182.0  
176 87.6 0.0 175.4



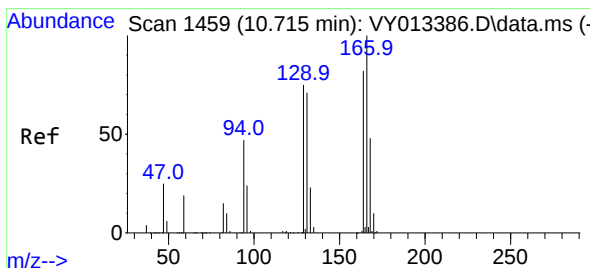
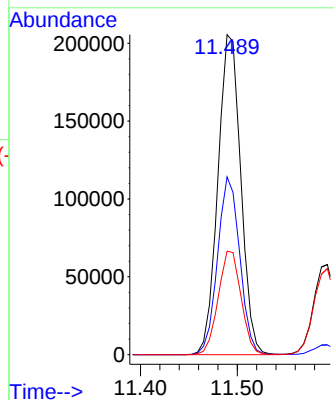
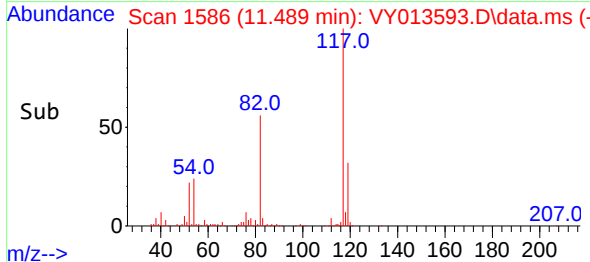


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VY013593.D  
Acq: 04 May 2023 11:52

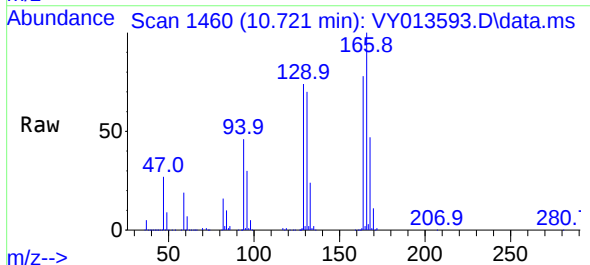
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050



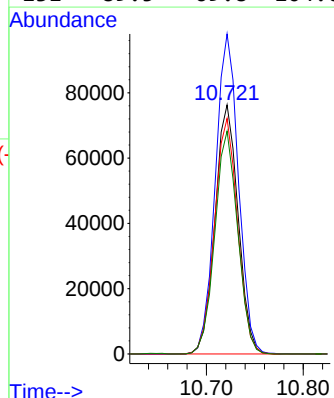
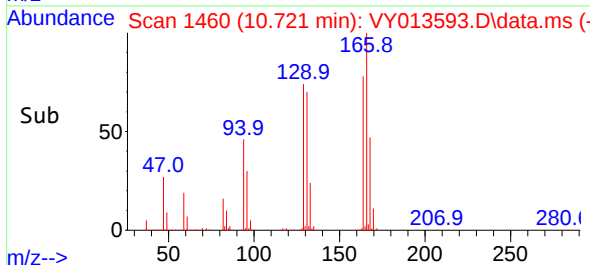
Tgt Ion:117 Resp: 337645  
Ion Ratio Lower Upper  
117 100  
82 55.5 43.0 64.6  
119 32.4 25.5 38.3

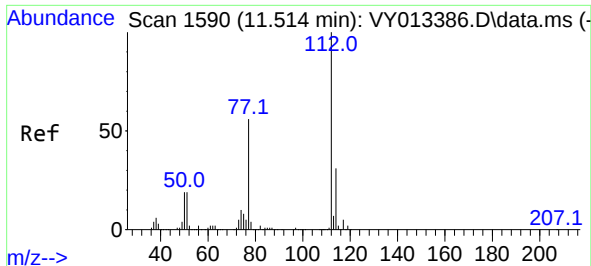


#64  
Tetrachloroethene  
Concen: 49.320 ug/l  
RT: 10.721 min Scan# 1460  
Delta R.T. 0.006 min  
Lab File: VY013593.D  
Acq: 04 May 2023 11:52



Tgt Ion:164 Resp: 126627  
Ion Ratio Lower Upper  
164 100  
166 128.4 97.5 146.3  
129 94.5 72.6 109.0  
131 89.5 69.8 104.6

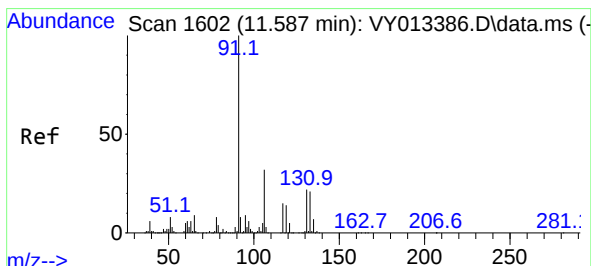
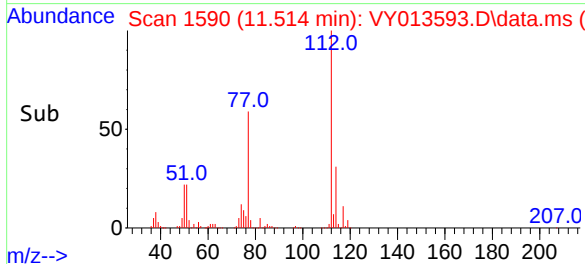
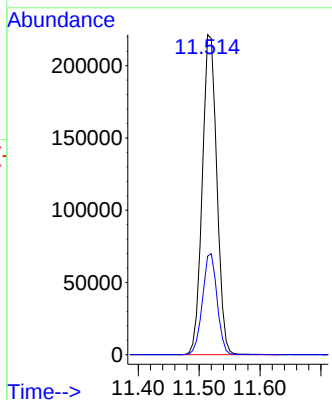
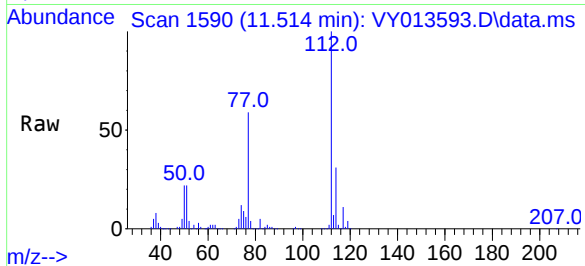




#65  
Chlorobenzene  
Concen: 50.020 ug/l  
RT: 11.514 min Scan# 1159  
Delta R.T. -0.000 min  
Lab File: VY013593.D  
Acq: 04 May 2023 11:52

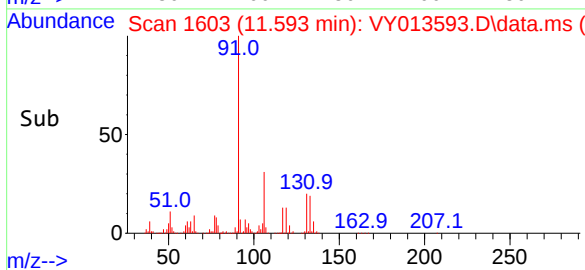
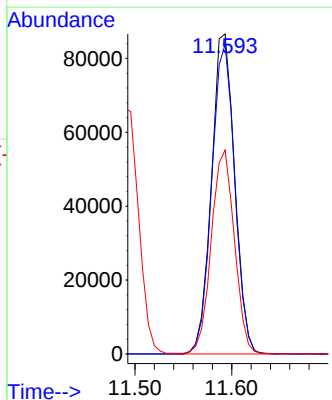
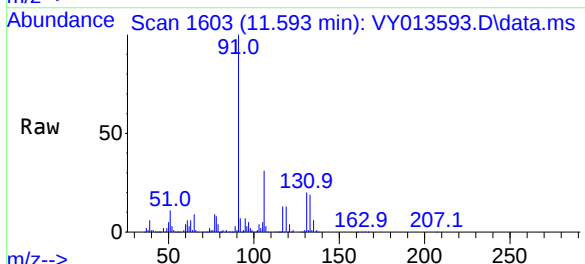
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

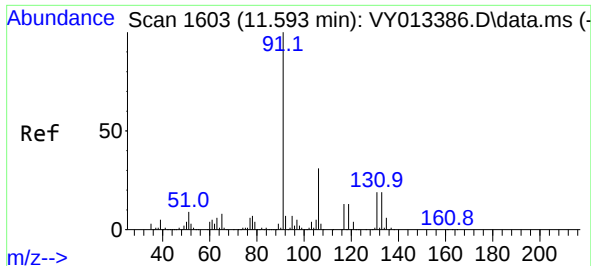
Tgt Ion:112 Resp: 367904  
Ion Ratio Lower Upper  
112 100  
114 30.8 24.9 37.3



#66  
1,1,1,2-Tetrachloroethane  
Concen: 52.533 ug/l  
RT: 11.593 min Scan# 1603  
Delta R.T. 0.006 min  
Lab File: VY013593.D  
Acq: 04 May 2023 11:52

Tgt Ion:131 Resp: 144508  
Ion Ratio Lower Upper  
131 100  
133 95.9 47.7 143.1  
119 63.5 32.6 98.0





#67

Ethyl Benzene

Concen: 50.961 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. 0.000 min

Lab File: VY013593.D

Acq: 04 May 2023 11:52

Instrument :

MSVOA\_Y

ClientSampleId :

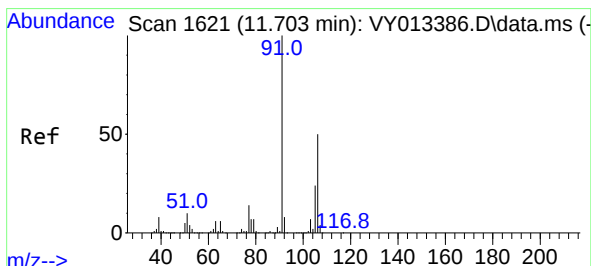
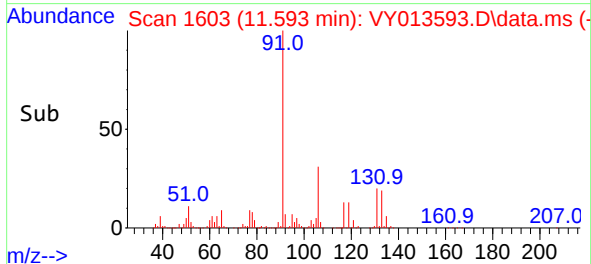
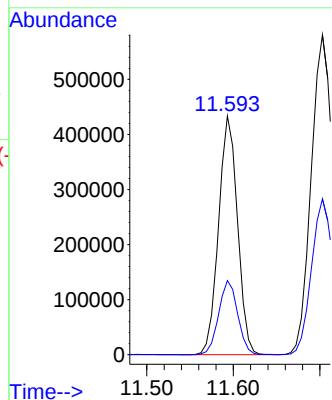
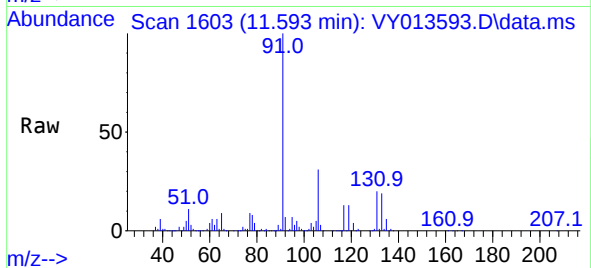
VSTDCCC050

Tgt Ion: 91 Resp: 658198

Ion Ratio Lower Upper

91 100

106 31.1 25.1 37.7



#68

m/p-Xylenes

Concen: 102.246 ug/l

RT: 11.703 min Scan# 1621

Delta R.T. -0.000 min

Lab File: VY013593.D

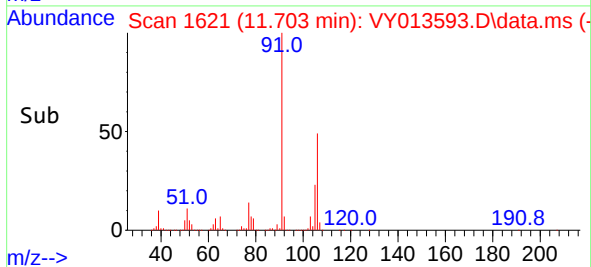
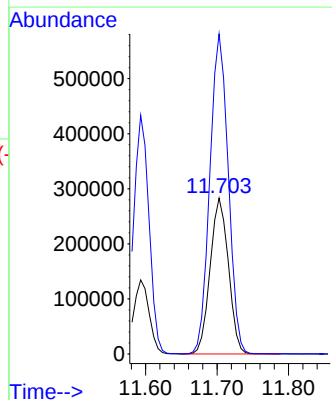
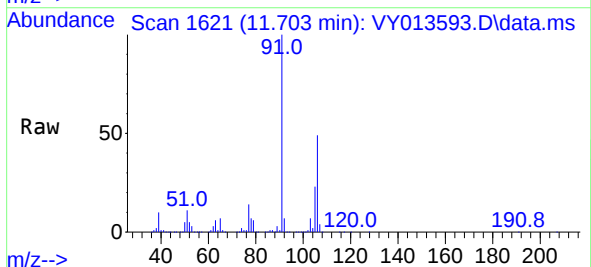
Acq: 04 May 2023 11:52

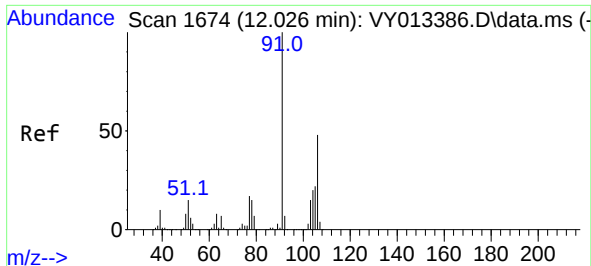
Tgt Ion: 106 Resp: 502024

Ion Ratio Lower Upper

106 100

91 206.8 160.9 241.3

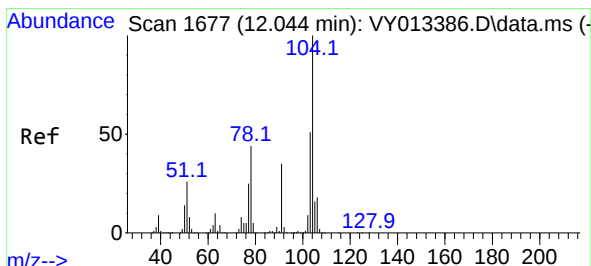
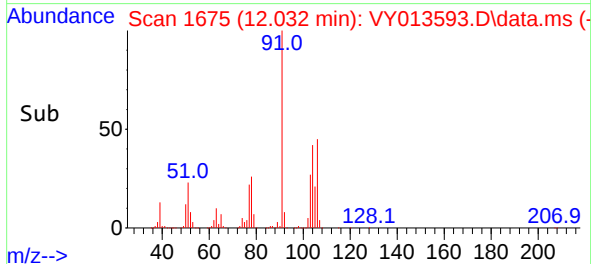
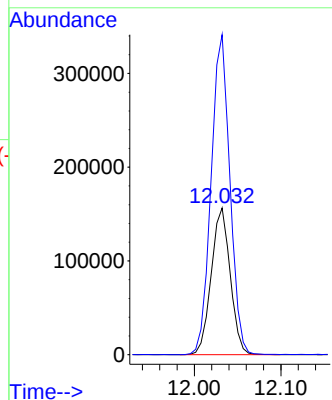
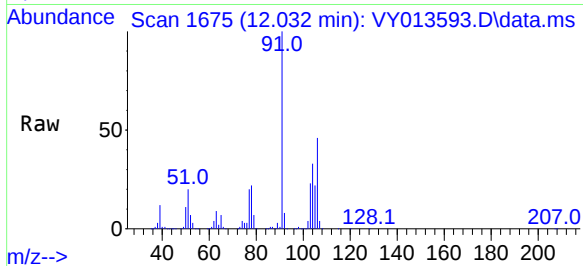




#69  
o-Xylene  
Concen: 51.288 ug/l  
RT: 12.032 min Scan# 1675  
Delta R.T. 0.006 min  
Lab File: VY013593.D  
Acq: 04 May 2023 11:52

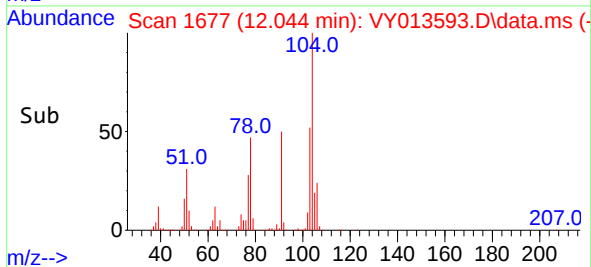
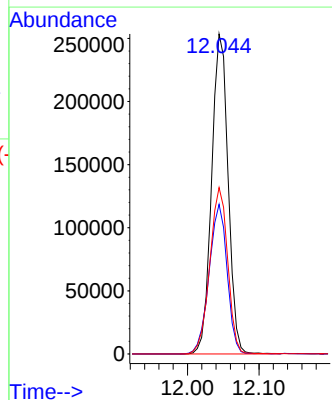
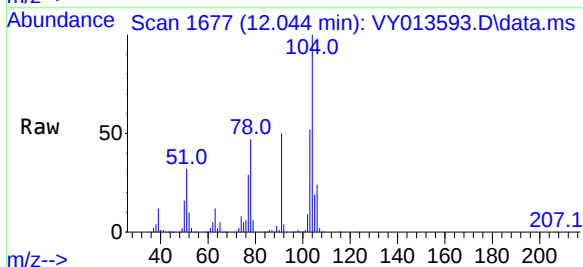
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

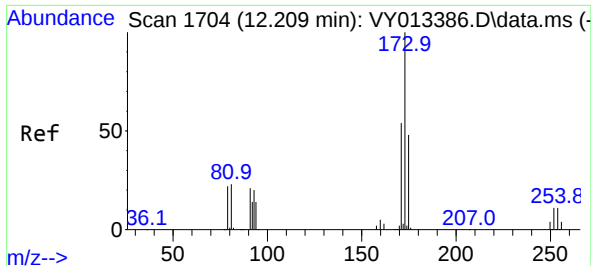
Tgt Ion:106 Resp: 238162  
Ion Ratio Lower Upper  
106 100  
91 216.0 105.5 316.4



#70  
Styrene  
Concen: 52.348 ug/l  
RT: 12.044 min Scan# 1677  
Delta R.T. 0.000 min  
Lab File: VY013593.D  
Acq: 04 May 2023 11:52

Tgt Ion:104 Resp: 406440  
Ion Ratio Lower Upper  
104 100  
78 50.9 40.3 60.5  
103 56.4 45.0 67.4

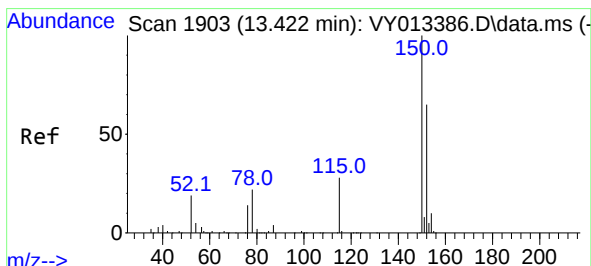
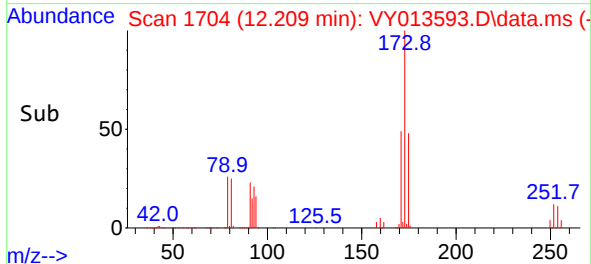
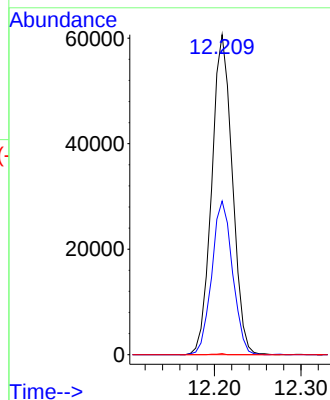
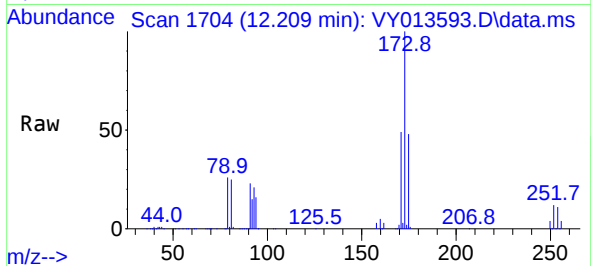




#71  
Bromoform  
Concen: 52.033 ug/l  
RT: 12.209 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY013593.D  
Acq: 04 May 2023 11:52

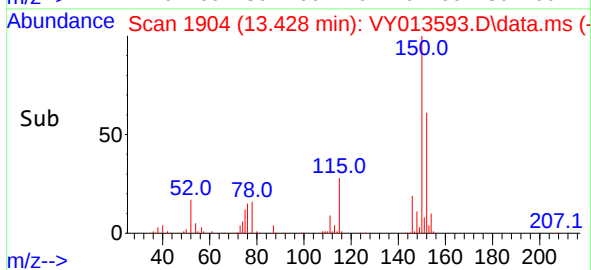
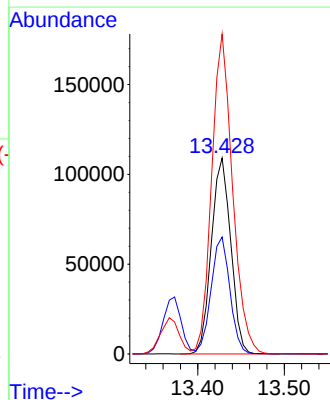
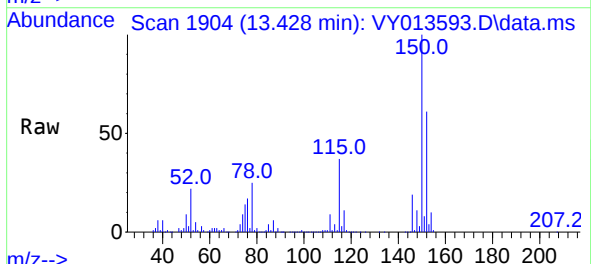
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MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

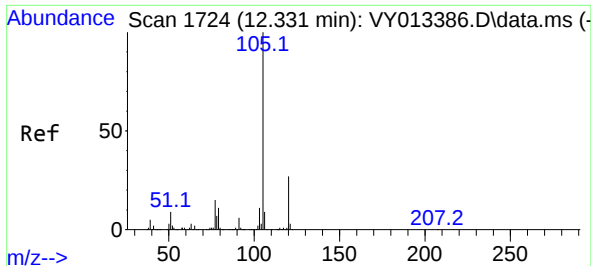
Tgt Ion:173 Resp: 100257  
Ion Ratio Lower Upper  
173 100  
175 48.3 24.3 72.8  
254 0.2 0.2 0.2#



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.006 min  
Lab File: VY013593.D  
Acq: 04 May 2023 11:52

Tgt Ion:152 Resp: 170159  
Ion Ratio Lower Upper  
152 100  
115 57.6 28.1 84.2  
150 175.5 0.0 352.0

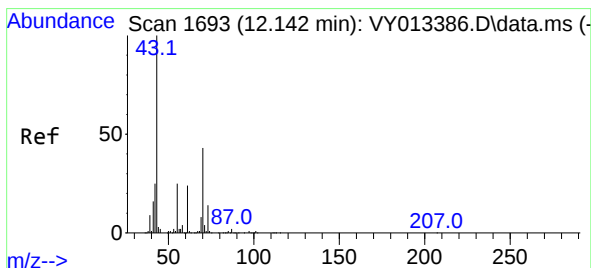
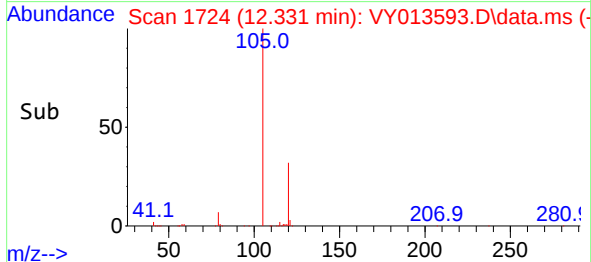
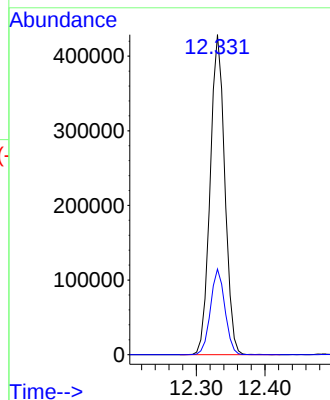
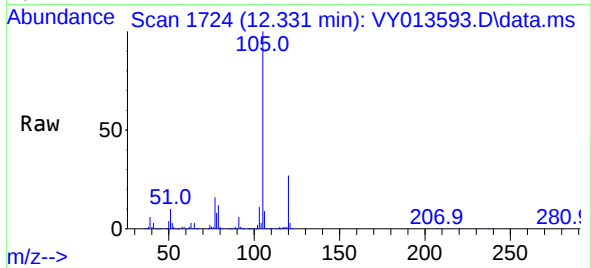




#73  
Isopropylbenzene  
Concen: 49.421 ug/l  
RT: 12.331 min Scan# 1724  
Delta R.T. -0.000 min  
Lab File: VY013593.D  
Acq: 04 May 2023 11:52

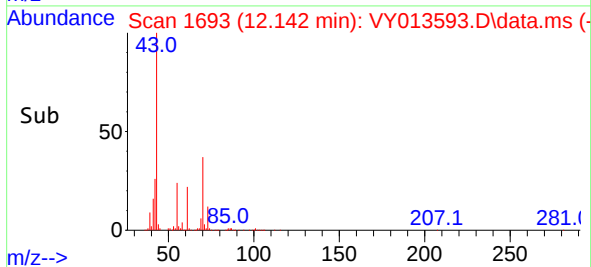
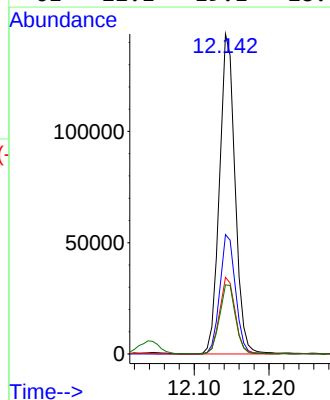
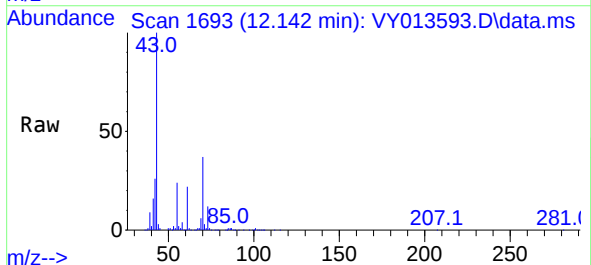
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

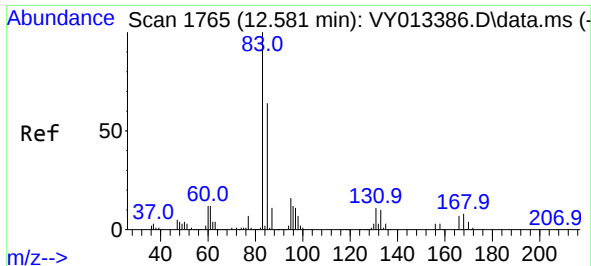
Tgt Ion:105 Resp: 636065  
Ion Ratio Lower Upper  
105 100  
120 26.3 13.7 41.0



#74  
N-ethyl acetate  
Concen: 45.531 ug/l  
RT: 12.142 min Scan# 1693  
Delta R.T. -0.000 min  
Lab File: VY013593.D  
Acq: 04 May 2023 11:52

Tgt Ion: 43 Resp: 208531  
Ion Ratio Lower Upper  
43 100  
70 37.8 33.0 49.4  
55 24.2 19.8 29.6  
61 22.1 19.1 28.7

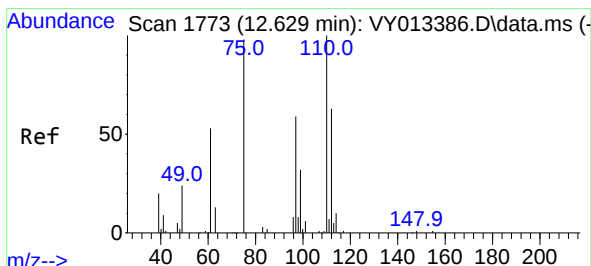
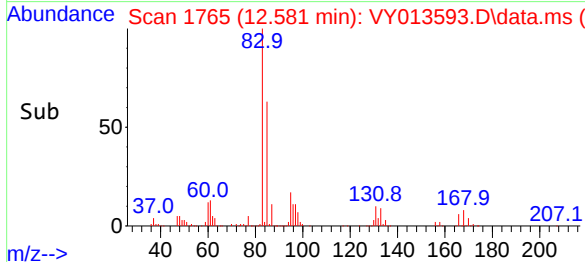
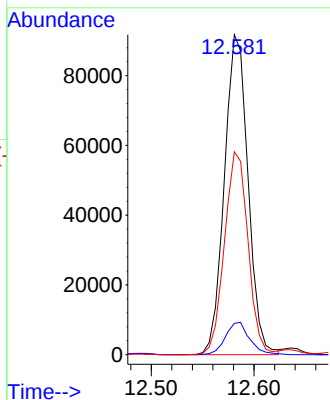
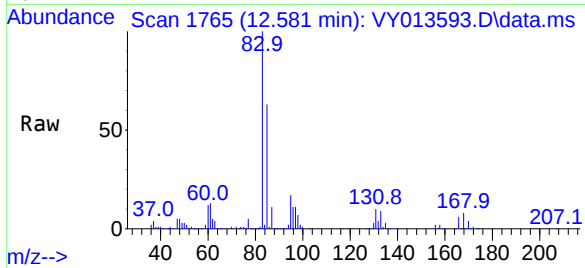




#75  
1,1,2,2-Tetrachloroethane  
Concen: 46.648 ug/l  
RT: 12.581 min Scan# 1765  
Delta R.T. -0.000 min  
Lab File: VY013593.D  
Acq: 04 May 2023 11:52

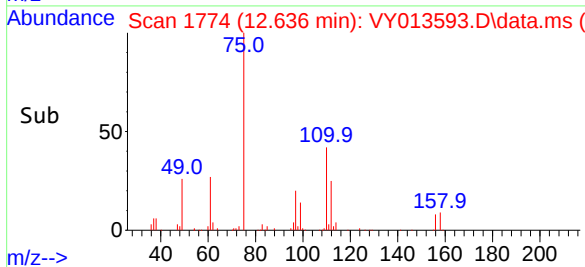
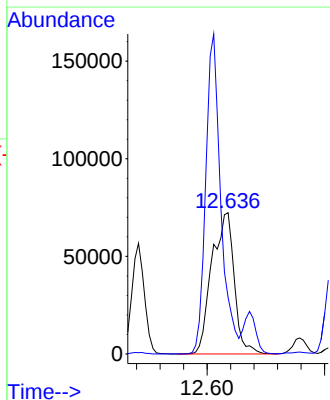
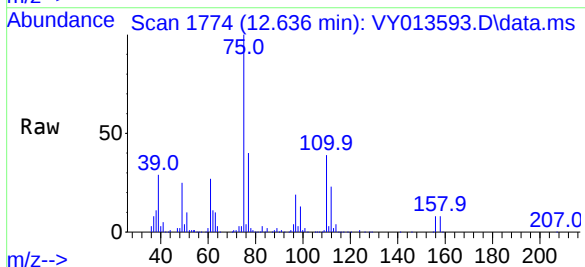
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

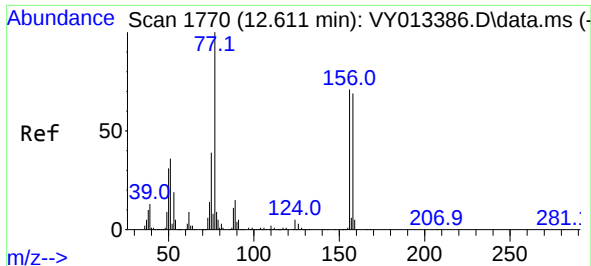
Tgt Ion: 83 Resp: 146747  
Ion Ratio Lower Upper  
83 100  
131 10.4 5.7 17.0  
85 63.0 31.8 95.4



#76  
1,2,3-Trichloropropane  
Concen: 83.398 ug/l  
RT: 12.636 min Scan# 1774  
Delta R.T. 0.007 min  
Lab File: VY013593.D  
Acq: 04 May 2023 11:52

Tgt Ion: 75 Resp: 191382  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0

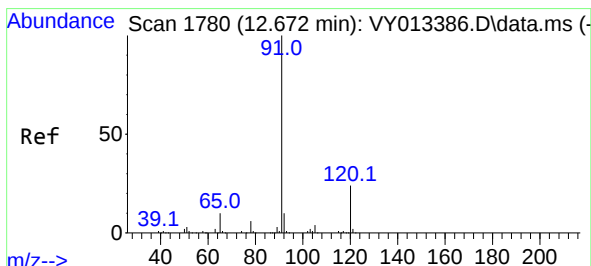
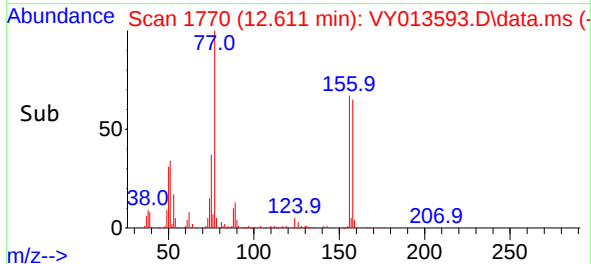
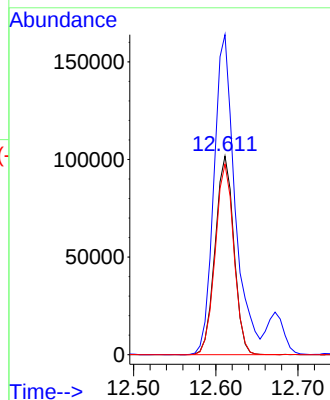
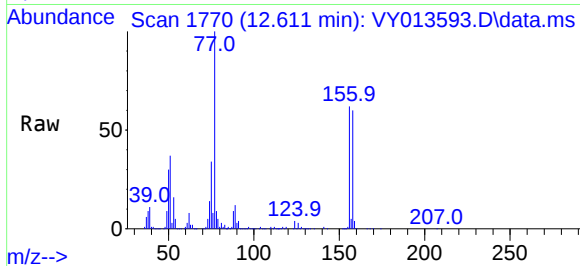




#77  
Bromobenzene  
Concen: 51.442 ug/l  
RT: 12.611 min Scan# 1770  
Delta R.T. 0.000 min  
Lab File: VY013593.D  
Acq: 04 May 2023 11:52

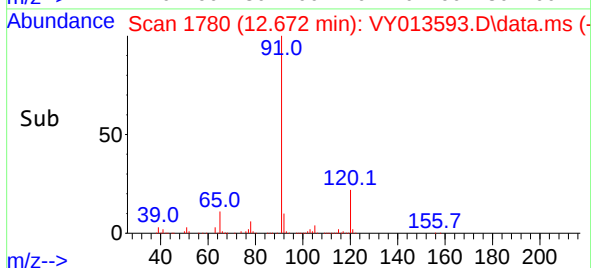
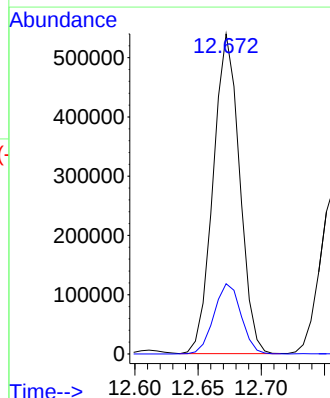
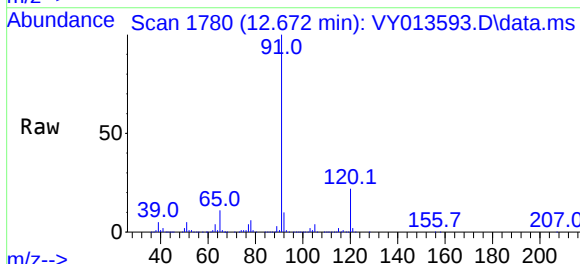
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

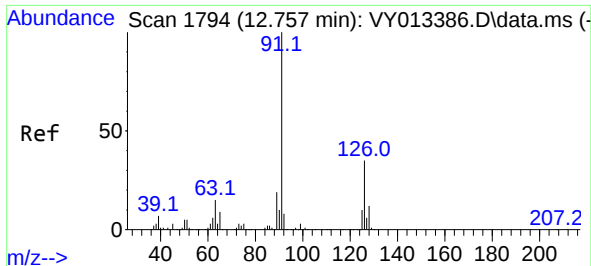
Tgt Ion:156 Resp: 160423  
Ion Ratio Lower Upper  
156 100  
77 182.3 87.6 262.9  
158 95.8 48.5 145.5



#78  
n-propylbenzene  
Concen: 49.376 ug/l  
RT: 12.672 min Scan# 1780  
Delta R.T. 0.000 min  
Lab File: VY013593.D  
Acq: 04 May 2023 11:52

Tgt Ion: 91 Resp: 782731  
Ion Ratio Lower Upper  
91 100  
120 22.6 11.9 35.9





#79

2-Chlorotoluene

Concen: 49.387 ug/l

RT: 12.758 min Scan# 11

Delta R.T. 0.001 min

Lab File: VY013593.D

Acq: 04 May 2023 11:52

Instrument :

MSVOA\_Y

ClientSampleId :

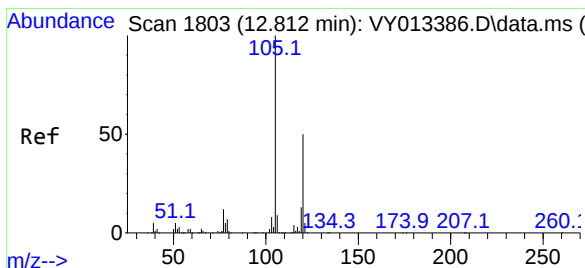
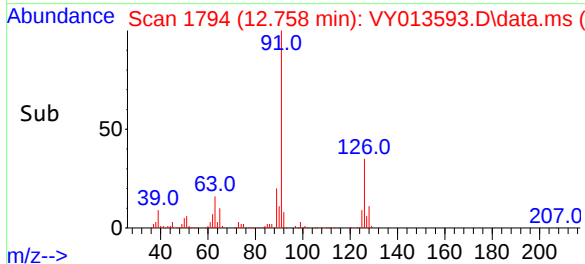
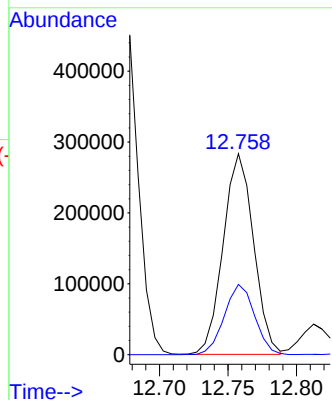
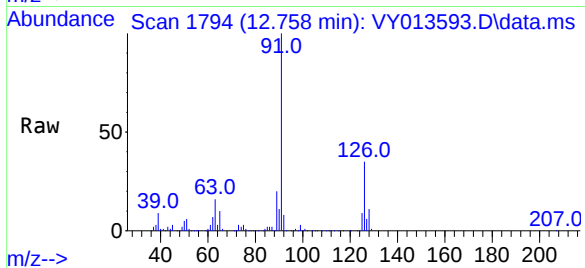
VSTDCCC050

Tgt Ion: 91 Resp: 437206

Ion Ratio Lower Upper

91 100

126 34.9 17.8 53.4



#80

1,3,5-Trimethylbenzene

Concen: 50.128 ug/l

RT: 12.812 min Scan# 1803

Delta R.T. 0.000 min

Lab File: VY013593.D

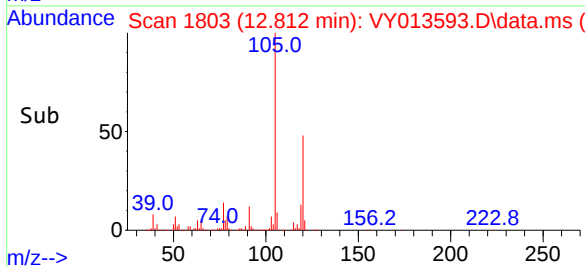
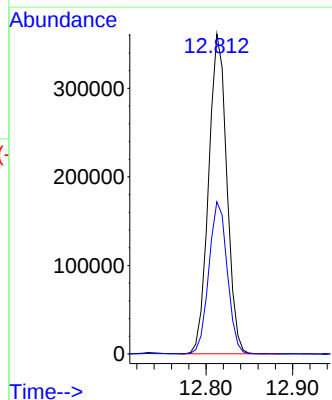
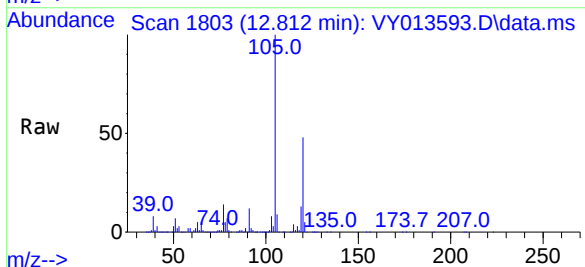
Acq: 04 May 2023 11:52

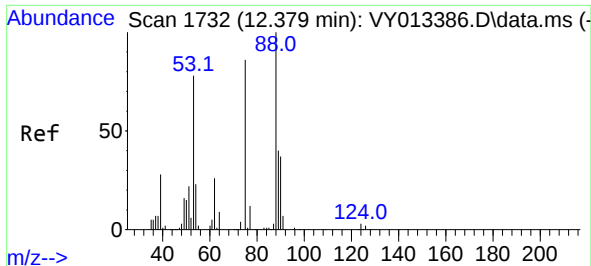
Tgt Ion: 105 Resp: 526580

Ion Ratio Lower Upper

105 100

120 48.2 24.7 74.1

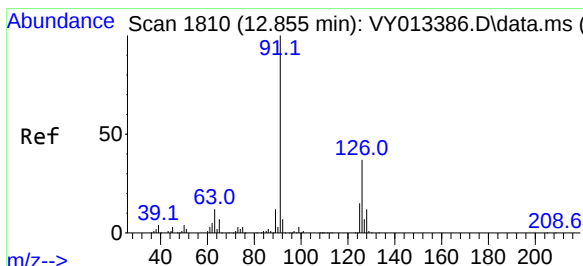
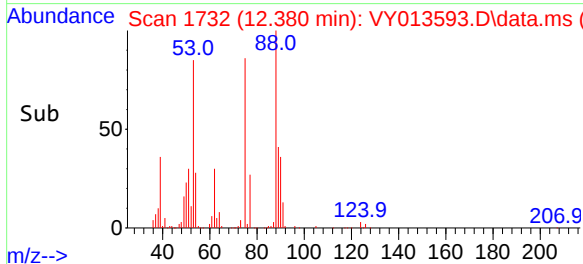
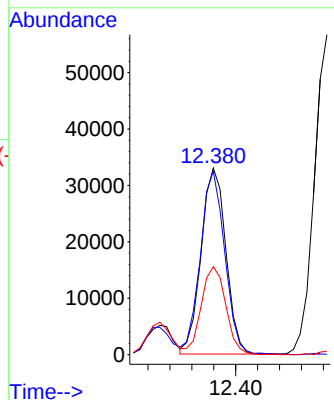
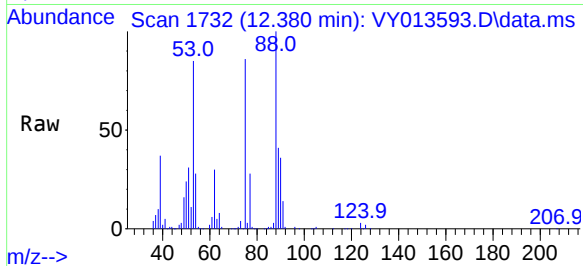




#81  
trans-1,4-Dichloro-2-butene  
Concen: 46.072 ug/l  
RT: 12.380 min Scan# 1732  
Delta R.T. 0.001 min  
Lab File: VY013593.D  
Acq: 04 May 2023 11:52

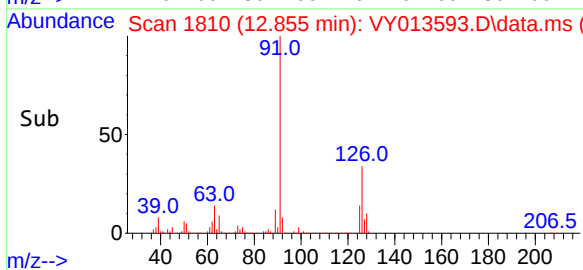
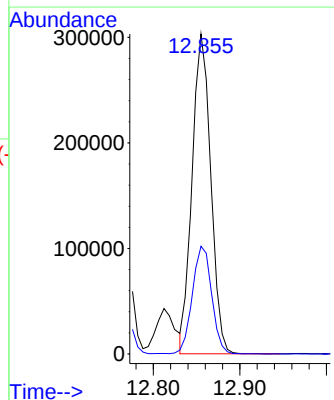
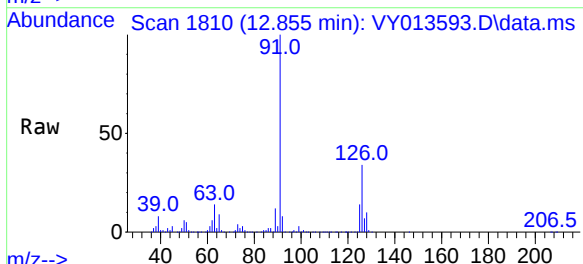
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

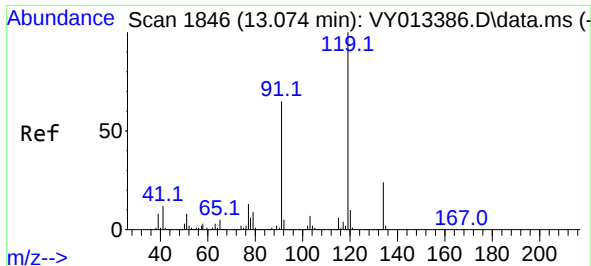
Tgt Ion: 75 Resp: 51686  
Ion Ratio Lower Upper  
75 100  
53 97.9 73.2 109.8  
89 47.3 38.0 57.0



#82  
4-Chlorotoluene  
Concen: 49.119 ug/l  
RT: 12.855 min Scan# 1810  
Delta R.T. 0.000 min  
Lab File: VY013593.D  
Acq: 04 May 2023 11:52

Tgt Ion: 91 Resp: 453213  
Ion Ratio Lower Upper  
91 100  
126 35.1 17.9 53.8

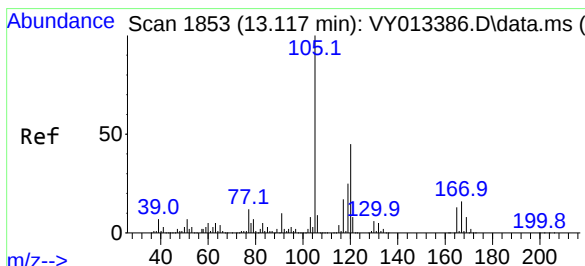
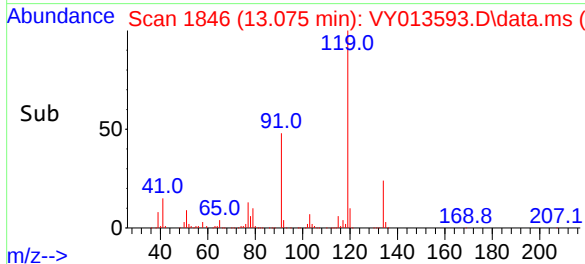
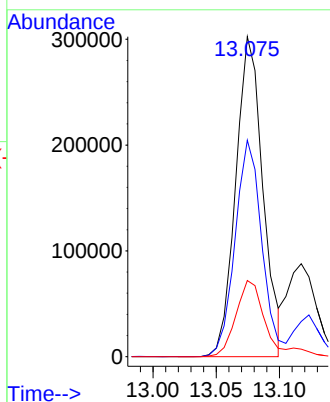
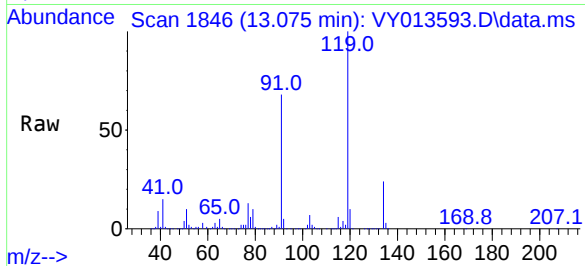




#83  
tert-Butylbenzene  
Concen: 49.753 ug/l  
RT: 13.075 min Scan# 1846  
Delta R.T. 0.001 min  
Lab File: VY013593.D  
Acq: 04 May 2023 11:52

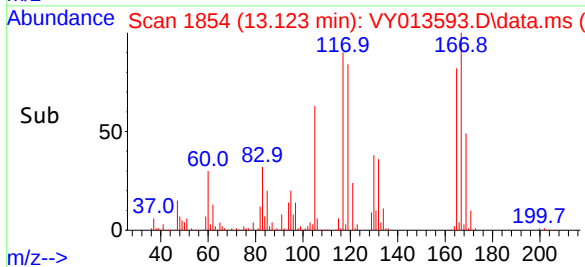
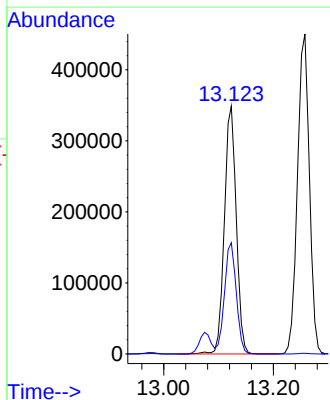
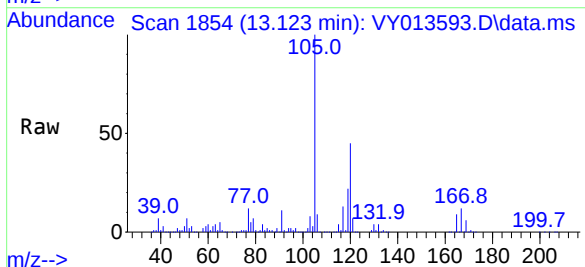
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

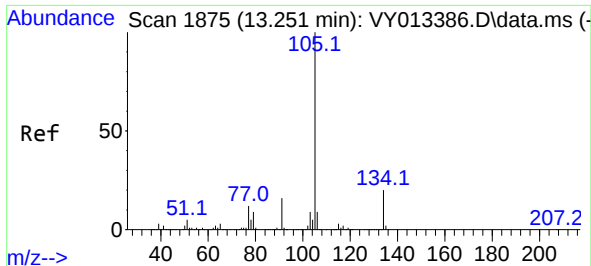
Tgt Ion:119 Resp: 452796  
Ion Ratio Lower Upper  
119 100  
91 66.8 32.2 96.6  
134 26.2 13.0 38.9



#84  
1,2,4-Trimethylbenzene  
Concen: 51.625 ug/l  
RT: 13.123 min Scan# 1854  
Delta R.T. 0.006 min  
Lab File: VY013593.D  
Acq: 04 May 2023 11:52

Tgt Ion:105 Resp: 527241  
Ion Ratio Lower Upper  
105 100  
120 44.6 22.3 66.9

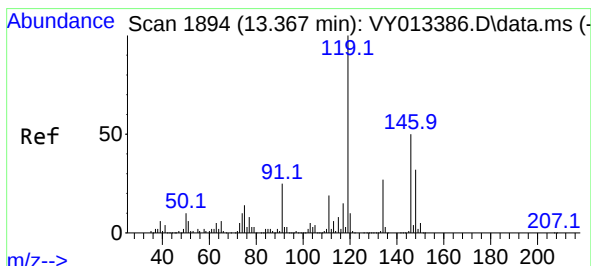
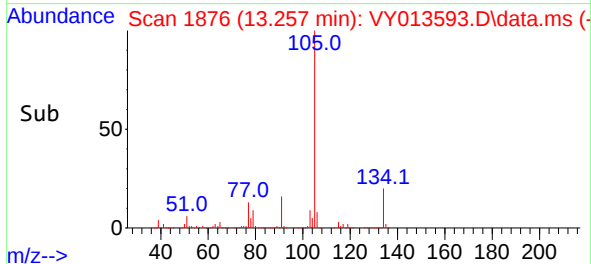
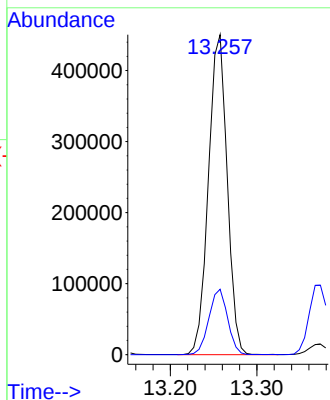
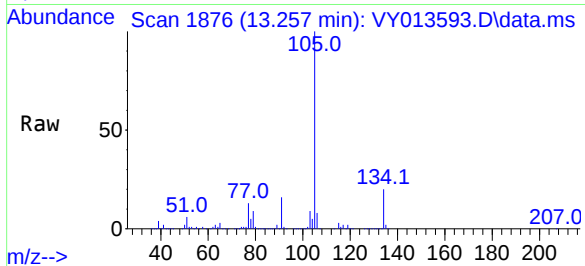




#85  
 sec-Butylbenzene  
 Concen: 49.552 ug/l  
 RT: 13.257 min Scan# 1875  
 Delta R.T. 0.006 min  
 Lab File: VY013593.D  
 Acq: 04 May 2023 11:52

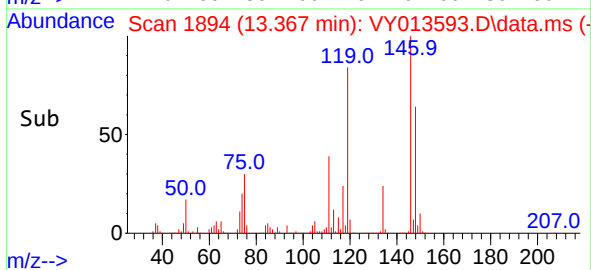
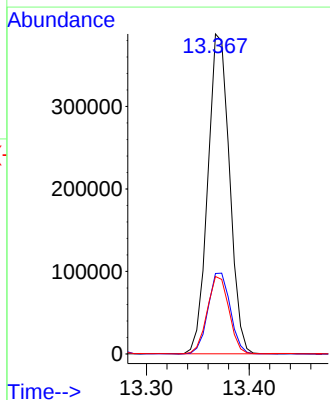
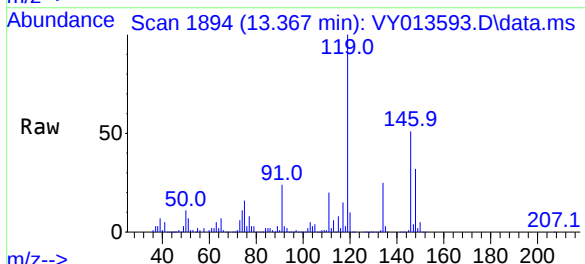
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

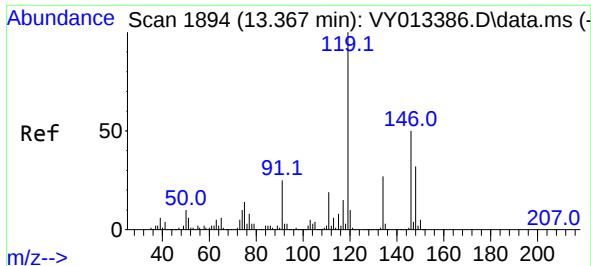
Tgt Ion:105 Resp: 676819  
 Ion Ratio Lower Upper  
 105 100  
 134 20.5 10.3 30.9



#86  
 p-Isopropyltoluene  
 Concen: 51.767 ug/l  
 RT: 13.367 min Scan# 1894  
 Delta R.T. 0.000 min  
 Lab File: VY013593.D  
 Acq: 04 May 2023 11:52

Tgt Ion:119 Resp: 568610  
 Ion Ratio Lower Upper  
 119 100  
 134 25.9 13.4 40.2  
 91 24.2 12.1 36.3

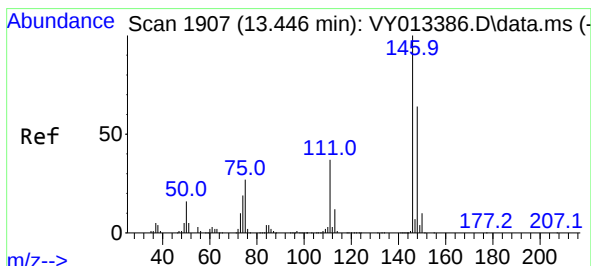
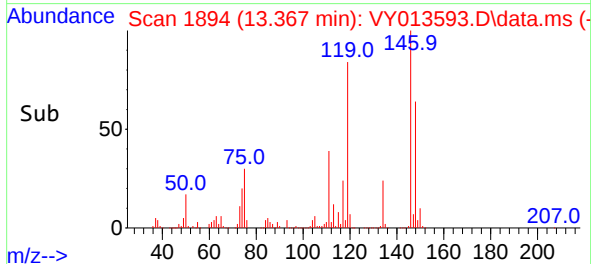
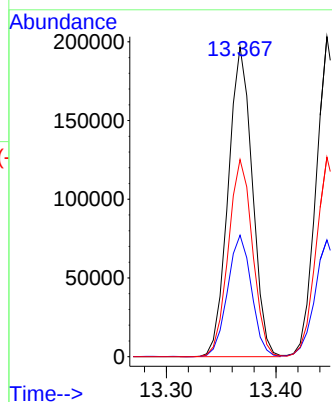
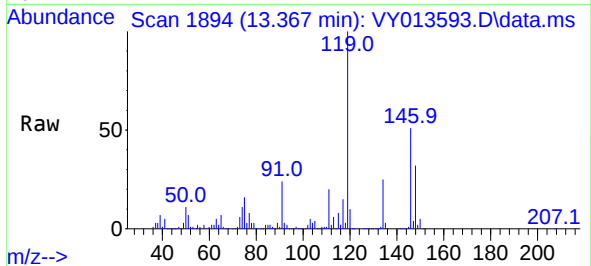




#87  
1,3-Dichlorobenzene  
Concen: 50.603 ug/l  
RT: 13.367 min Scan# 1894  
Delta R.T. 0.000 min  
Lab File: VY013593.D  
Acq: 04 May 2023 11:52

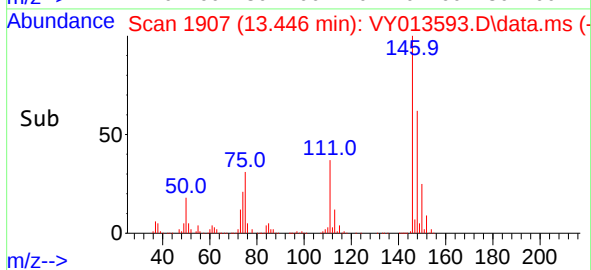
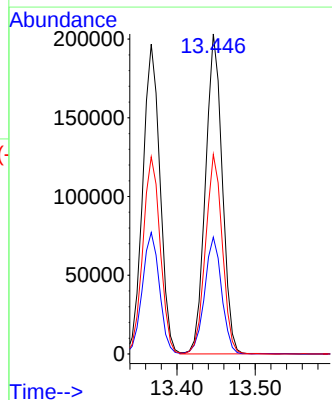
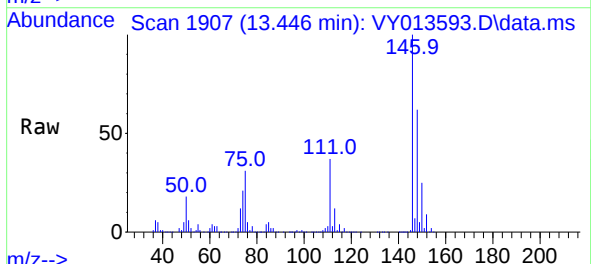
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

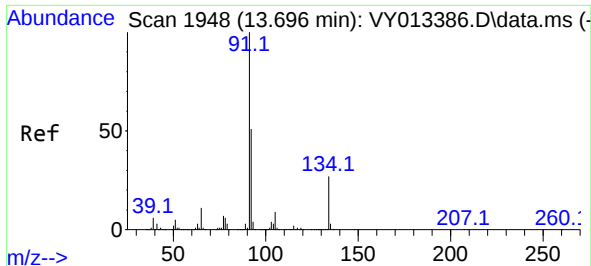
Tgt Ion:146 Resp: 300646  
Ion Ratio Lower Upper  
146 100  
111 39.0 19.3 57.9  
148 64.0 31.9 95.7



#88  
1,4-Dichlorobenzene  
Concen: 50.149 ug/l  
RT: 13.446 min Scan# 1907  
Delta R.T. 0.000 min  
Lab File: VY013593.D  
Acq: 04 May 2023 11:52

Tgt Ion:146 Resp: 300973  
Ion Ratio Lower Upper  
146 100  
111 37.1 18.9 56.5  
148 62.7 31.9 95.5

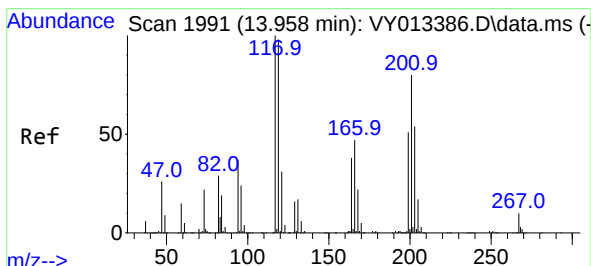
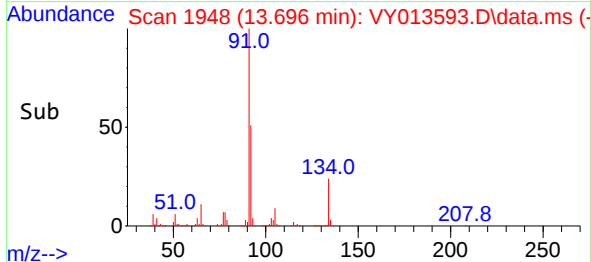
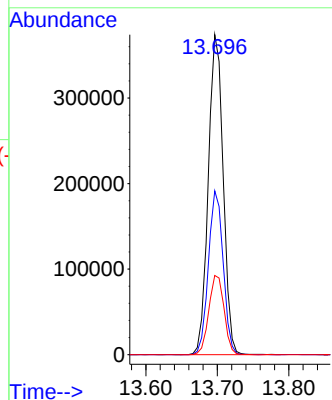
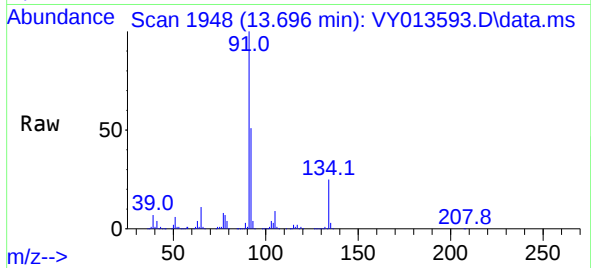




#89  
n-Butylbenzene  
Concen: 50.556 ug/l  
RT: 13.696 min Scan# 1948  
Delta R.T. 0.000 min  
Lab File: VY013593.D  
Acq: 04 May 2023 11:52

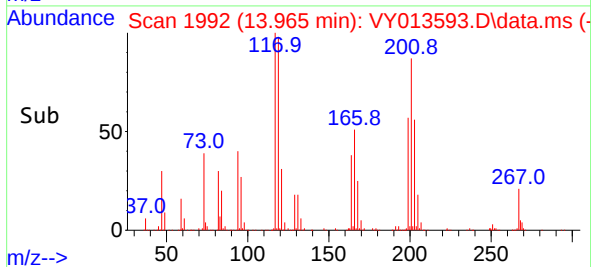
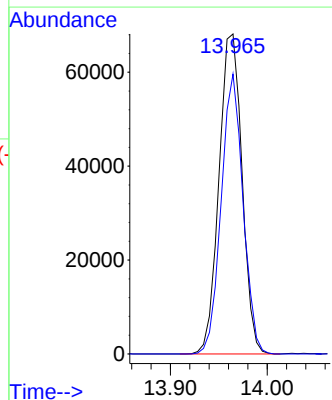
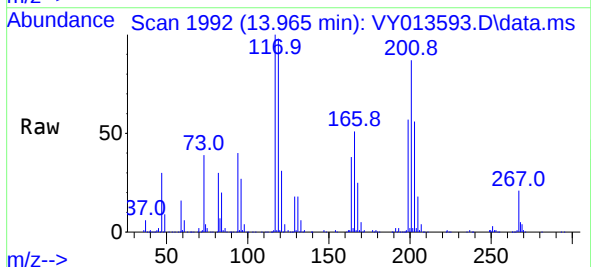
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

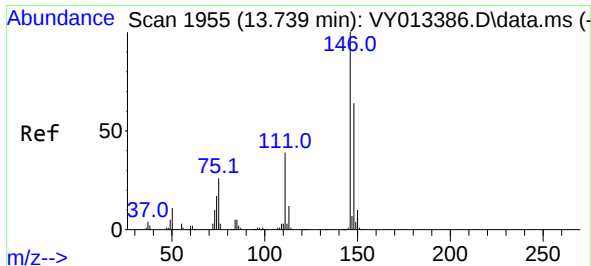
Tgt Ion: 91 Resp: 541986  
Ion Ratio Lower Upper  
91 100  
92 50.7 25.8 77.3  
134 25.3 13.5 40.4



#90  
Hexachloroethane  
Concen: 48.686 ug/l  
RT: 13.965 min Scan# 1992  
Delta R.T. 0.007 min  
Lab File: VY013593.D  
Acq: 04 May 2023 11:52

Tgt Ion: 117 Resp: 112549  
Ion Ratio Lower Upper  
117 100  
201 82.7 41.6 124.8





#91

1,2-Dichlorobenzene

Concen: 50.880 ug/l

RT: 13.739 min Scan# 1955

Delta R.T. 0.000 min

Lab File: VY013593.D

Acq: 04 May 2023 11:52

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

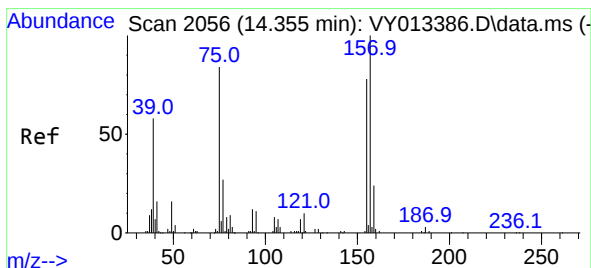
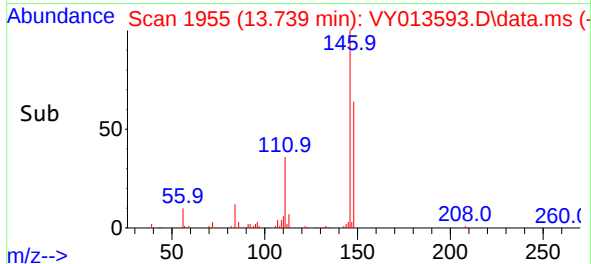
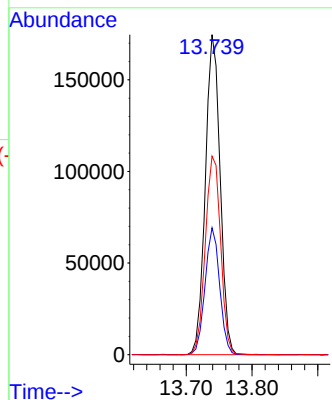
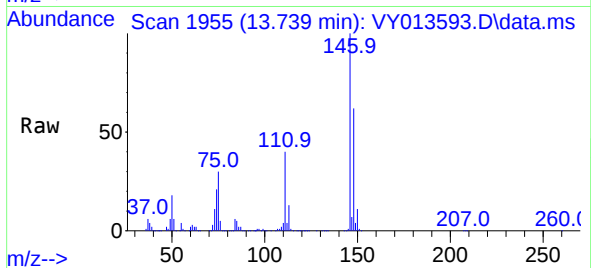
Tgt Ion:146 Resp: 272979

Ion Ratio Lower Upper

146 100

111 39.1 19.8 59.4

148 64.5 31.8 95.4



#92

1,2-Dibromo-3-Chloropropane

Concen: 47.317 ug/l

RT: 14.355 min Scan# 2056

Delta R.T. -0.000 min

Lab File: VY013593.D

Acq: 04 May 2023 11:52

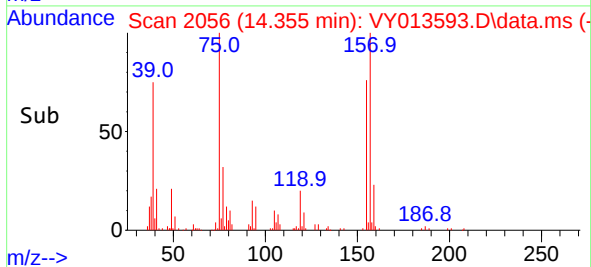
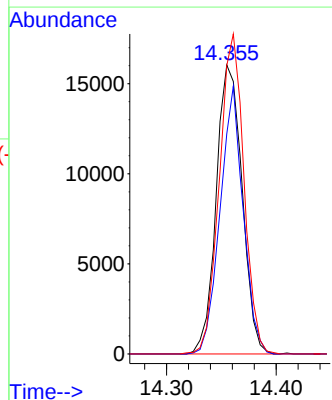
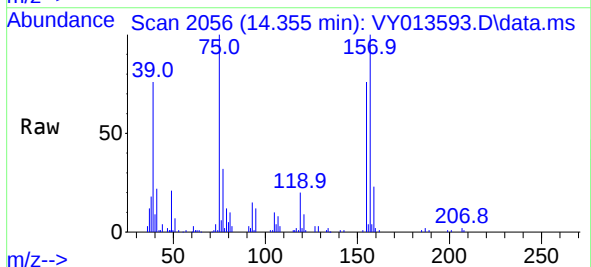
Tgt Ion: 75 Resp: 26289

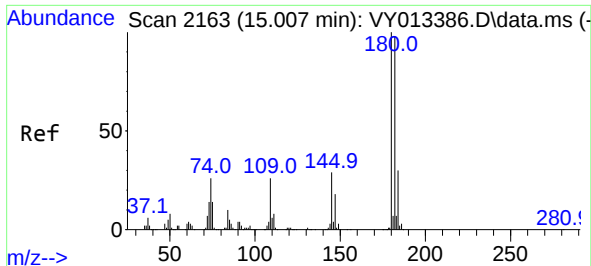
Ion Ratio Lower Upper

75 100

155 82.6 44.6 134.0

157 105.2 57.6 172.7

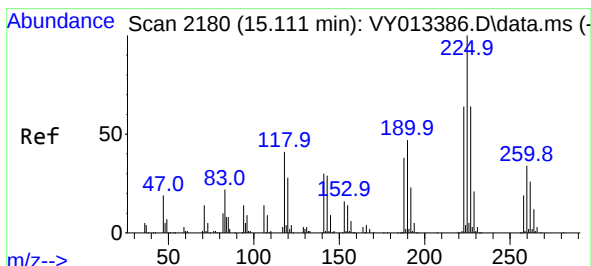
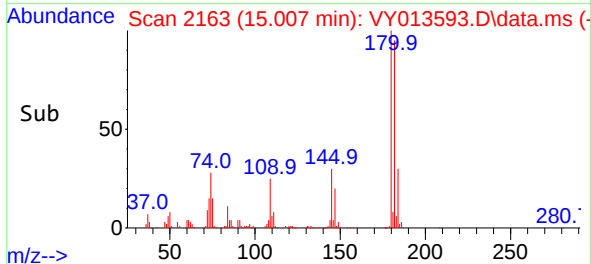
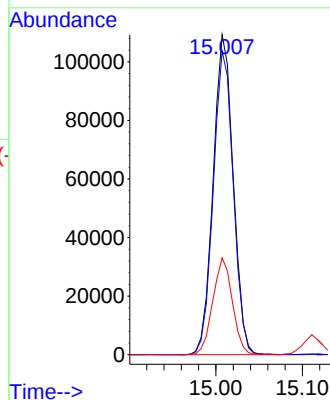
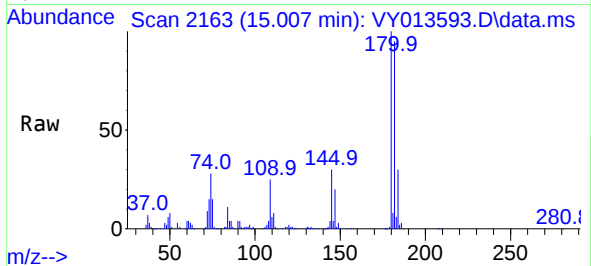




#93  
1,2,4-Trichlorobenzene  
Concen: 54.838 ug/l  
RT: 15.007 min Scan# 2163  
Delta R.T. 0.000 min  
Lab File: VY013593.D  
Acq: 04 May 2023 11:52

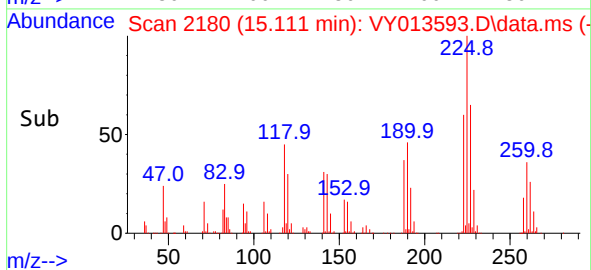
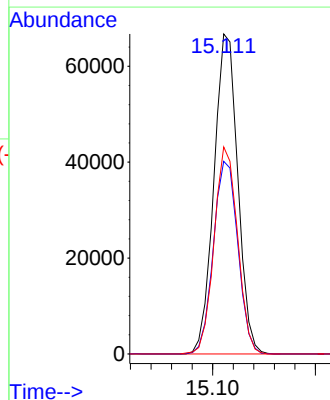
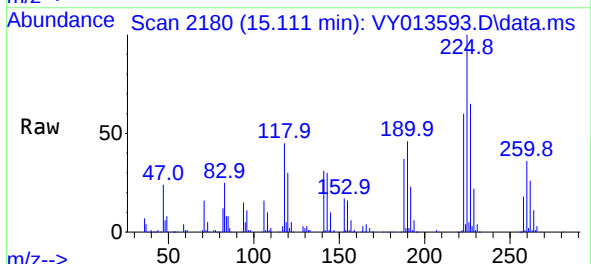
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

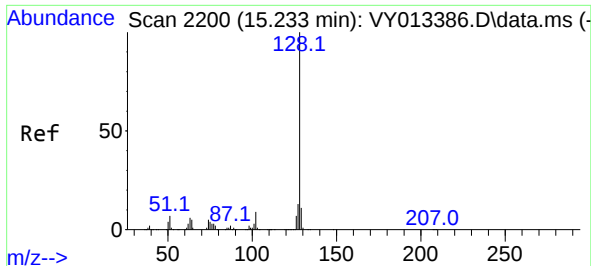
Tgt Ion:180 Resp: 175411  
Ion Ratio Lower Upper  
180 100  
182 94.7 48.5 145.5  
145 29.6 15.0 45.0



#94  
Hexachlorobutadiene  
Concen: 57.702 ug/l  
RT: 15.111 min Scan# 2180  
Delta R.T. -0.000 min  
Lab File: VY013593.D  
Acq: 04 May 2023 11:52

Tgt Ion:225 Resp: 107418  
Ion Ratio Lower Upper  
225 100  
223 61.8 31.4 94.2  
227 63.6 32.0 96.0

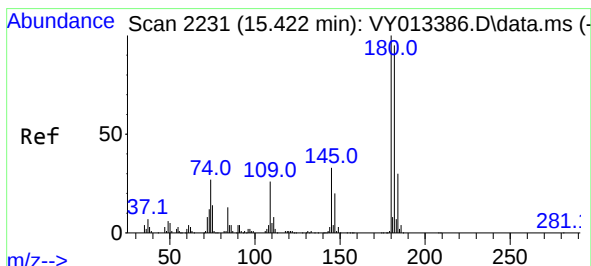
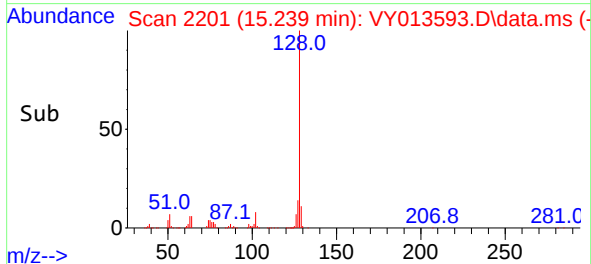
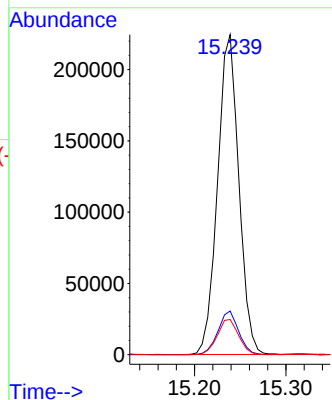
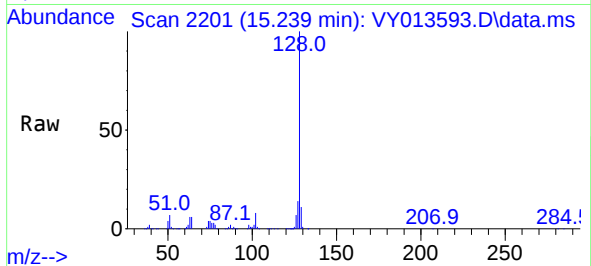




#95  
Naphthalene  
Concen: 52.288 ug/l  
RT: 15.239 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VY013593.D  
Acq: 04 May 2023 11:52

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

Tgt Ion:128 Resp: 362897  
Ion Ratio Lower Upper  
128 100  
127 13.3 10.7 16.1  
129 11.1 8.8 13.2



#96  
1,2,3-Trichlorobenzene  
Concen: 55.804 ug/l  
RT: 15.428 min Scan# 2232  
Delta R.T. 0.006 min  
Lab File: VY013593.D  
Acq: 04 May 2023 11:52

Tgt Ion:180 Resp: 159097  
Ion Ratio Lower Upper  
180 100  
182 94.9 47.1 141.3  
145 31.7 15.9 47.7

