

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY070622\  
 Data File : VY009445.D  
 Acq On : 06 Jul 2022 11:17  
 Operator : KP/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Jul 07 01:47:46 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062822S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 29 17:35:34 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.783  | 168  | 161370   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.685  | 114  | 257430   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.489 | 117  | 240928   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 127777   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.130  | 65    | 63478    | 49.112   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 98.220%  |
| 35) Dibromofluoromethane    | 7.710  | 113   | 69130    | 48.792   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 97.580%  |
| 50) Toluene-d8              | 10.173 | 98    | 213619   | 49.175   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 78 - 125 | Recovery | =    | 98.360%  |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 110114   | 53.447   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 146 | Recovery | =    | 106.900% |

|                              |       |     |        |         |        |     |
|------------------------------|-------|-----|--------|---------|--------|-----|
| Target Compounds             |       |     |        |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.900 | 85  | 56161  | 42.274  | ug/l   | 98  |
| 3) Chloromethane             | 2.107 | 50  | 59481  | 41.149  | ug/l   | 95  |
| 4) Vinyl Chloride            | 2.247 | 62  | 73687  | 44.066  | ug/l   | 99  |
| 5) Bromomethane              | 2.637 | 94  | 45132  | 42.061  | ug/l   | 98  |
| 6) Chloroethane              | 2.784 | 64  | 40116  | 44.994  | ug/l   | 99  |
| 7) Trichlorofluoromethane    | 3.119 | 101 | 102784 | 46.330  | ug/l   | 96  |
| 8) Diethyl Ether             | 3.521 | 74  | 41728  | 48.139  | ug/l   | 88  |
| 9) 1,1,2-Trichlorotrifluo... | 3.893 | 101 | 72320  | 45.476  | ug/l   | 97  |
| 10) Methyl Iodide            | 4.082 | 142 | 86854  | 49.755  | ug/l   | 92  |
| 11) Tert butyl alcohol       | 4.936 | 59  | 47365  | 222.257 | ug/l   | 99  |
| 12) 1,1-Dichloroethene       | 3.857 | 96  | 65565  | 45.198  | ug/l   | 89  |
| 13) Acrolein                 | 3.723 | 56  | 20150  | 186.791 | ug/l   | 100 |
| 14) Allyl chloride           | 4.466 | 41  | 124509 | 46.843  | ug/l   | 95  |
| 15) Acrylonitrile            | 5.149 | 53  | 115540 | 235.290 | ug/l   | 100 |
| 16) Acetone                  | 3.936 | 43  | 94082  | 221.639 | ug/l   | 96  |
| 17) Carbon Disulfide         | 4.186 | 76  | 161475 | 40.017  | ug/l   | 99  |
| 18) Methyl Acetate           | 4.466 | 43  | 55566  | 50.677  | ug/l   | 96  |
| 19) Methyl tert-butyl Ether  | 5.204 | 73  | 217909 | 50.089  | ug/l   | 100 |
| 20) Methylene Chloride       | 4.704 | 84  | 84854  | 42.782  | ug/l   | 89  |
| 21) trans-1,2-Dichloroethene | 5.210 | 96  | 79630  | 45.851  | ug/l   | 93  |
| 22) Diisopropyl ether        | 6.106 | 45  | 301467 | 53.743  | ug/l   | 94  |
| 23) Vinyl Acetate            | 6.051 | 43  | 944126 | 268.680 | ug/l   | 95  |
| 24) 1,1-Dichloroethane       | 6.009 | 63  | 154028 | 48.839  | ug/l # | 97  |
| 25) 2-Butanone               | 6.978 | 43  | 160191 | 238.036 | ug/l # | 87  |
| 26) 2,2-Dichloropropane      | 6.972 | 77  | 140812 | 47.174  | ug/l   | 97  |
| 27) cis-1,2-Dichloroethene   | 6.978 | 96  | 98688  | 48.913  | ug/l   | 90  |
| 28) Bromochloromethane       | 7.326 | 49  | 71415  | 52.736  | ug/l   | 91  |
| 29) Tetrahydrofuran          | 7.344 | 42  | 107321 | 248.743 | ug/l   | 94  |
| 30) Chloroform               | 7.496 | 83  | 162263 | 50.059  | ug/l   | 99  |
| 31) Cyclohexane              | 7.777 | 56  | 127716 | 43.931  | ug/l   | 98  |
| 32) 1,1,1-Trichloroethane    | 7.691 | 97  | 141074 | 48.601  | ug/l   | 98  |
| 36) 1,1-Dichloropropene      | 7.911 | 75  | 117071 | 47.257  | ug/l   | 97  |
| 37) Ethyl Acetate            | 7.063 | 43  | 71833  | 48.895  | ug/l   | 96  |
| 38) Carbon Tetrachloride     | 7.893 | 117 | 126366 | 48.801  | ug/l   | 98  |
| 39) Methylcyclohexane        | 9.179 | 83  | 137155 | 46.779  | ug/l   | 93  |
| 40) Benzene                  | 8.155 | 78  | 351749 | 48.553  | ug/l   | 96  |

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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: Jul 07 01:47:46 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062822S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 29 17:35:34 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.295  | 41   | 40004    | 48.199  | ug/l # | 41       |
| 42) 1,2-Dichloroethane        | 8.228  | 62   | 102199   | 49.177  | ug/l   | 92       |
| 43) Isopropyl Acetate         | 8.264  | 43   | 138499   | 51.347  | ug/l   | 94       |
| 44) Trichloroethene           | 8.935  | 130  | 97213    | 48.294  | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 9.209  | 63   | 93654    | 51.035  | ug/l   | 97       |
| 46) Dibromomethane            | 9.301  | 93   | 51620    | 49.101  | ug/l   | 98       |
| 47) Bromodichloromethane      | 9.490  | 83   | 124008   | 49.809  | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.289  | 41   | 60434    | 51.973  | ug/l   | 91       |
| 49) 1,4-Dioxane               | 9.295  | 88   | 13634    | 930.355 | ug/l   | 90       |
| 51) 4-Methyl-2-Pentanone      | 10.063 | 43   | 364113   | 261.817 | ug/l   | 93       |
| 52) Toluene                   | 10.240 | 92   | 231828   | 50.719  | ug/l   | 95       |
| 53) t-1,3-Dichloropropene     | 10.459 | 75   | 136096   | 54.647  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 9.923  | 75   | 148925   | 50.083  | ug/l # | 86       |
| 55) 1,1,2-Trichloroethane     | 10.642 | 97   | 76772    | 54.888  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.508 | 69   | 105520   | 59.104  | ug/l # | 86       |
| 57) 1,3-Dichloropropane       | 10.788 | 76   | 126637   | 51.108  | ug/l   | 97       |
| 58) 2-Chloroethyl Vinyl ether | 9.776  | 63   | 274107   | 277.298 | ug/l   | 98       |
| 59) 2-Hexanone                | 10.825 | 43   | 251932   | 262.241 | ug/l   | 91       |
| 60) Dibromochloromethane      | 10.983 | 129  | 92594    | 52.310  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.087 | 107  | 70478    | 50.189  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.715 | 164  | 111211   | 49.581  | ug/l   | 97       |
| 65) Chlorobenzene             | 11.514 | 112  | 254998   | 49.465  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 11.587 | 131  | 96894    | 51.241  | ug/l   | 97       |
| 67) Ethyl Benzene             | 11.587 | 91   | 454663   | 50.840  | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.703 | 106  | 354777   | 99.211  | ug/l   | 94       |
| 69) o-Xylene                  | 12.026 | 106  | 173838   | 51.512  | ug/l   | 91       |
| 70) Styrene                   | 12.044 | 104  | 291981   | 52.220  | ug/l   | 96       |
| 71) Bromoform                 | 12.203 | 173  | 61421    | 51.694  | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.325 | 105  | 455262   | 48.238  | ug/l   | 98       |
| 74) N-amyl acetate            | 12.142 | 43   | 123552   | 49.907  | ug/l # | 90       |
| 75) 1,1,2,2-Tetrachloroethane | 12.581 | 83   | 86594    | 47.366  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.629 | 75   | 118915   | 79.469  | ug/l # | 100      |
| 77) Bromobenzene              | 12.605 | 156  | 108018   | 48.012  | ug/l   | 95       |
| 78) n-propylbenzene           | 12.672 | 91   | 559648   | 48.747  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 12.751 | 91   | 314526   | 48.536  | ug/l   | 96       |
| 80) 1,3,5-Trimethylbenzene    | 12.812 | 105  | 385425   | 48.834  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.380 | 75   | 32433    | 48.258  | ug/l # | 84       |
| 82) 4-Chlorotoluene           | 12.855 | 91   | 323448   | 48.030  | ug/l   | 97       |
| 83) tert-Butylbenzene         | 13.075 | 119  | 342498   | 51.650  | ug/l   | 95       |
| 84) 1,2,4-Trimethylbenzene    | 13.117 | 105  | 382241   | 50.965  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.251 | 105  | 512689   | 51.333  | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 13.367 | 119  | 424046   | 50.490  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.367 | 146  | 216384   | 48.682  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 13.446 | 146  | 215994   | 47.224  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.702 | 91   | 398718   | 50.526  | ug/l   | 98       |
| 90) Hexachloroethane          | 13.965 | 117  | 83057    | 49.879  | ug/l   | 88       |
| 91) 1,2-Dichlorobenzene       | 13.745 | 146  | 196012   | 48.622  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.361 | 75   | 14494    | 47.304  | ug/l   | 80       |
| 93) 1,2,4-Trichlorobenzene    | 15.007 | 180  | 121404   | 50.733  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.117 | 225  | 65954    | 49.096  | ug/l   | 98       |
| 95) Naphthalene               | 15.239 | 128  | 251274   | 52.445  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.428 | 180  | 107547   | 51.730  | ug/l   | 99       |

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

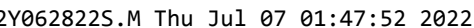
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

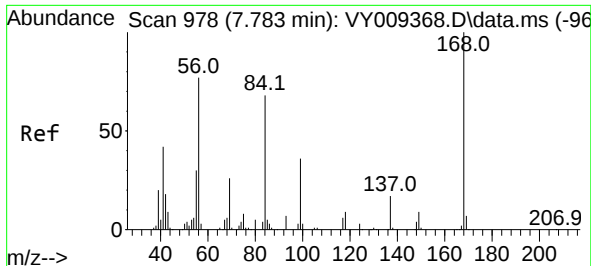
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062822S.M  
Quant Title : SW846 8260  
QLast Update : Wed Jun 29 17:35:34 2022  
Response via : Initial Calibration

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

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062822S.M  
Quant Title : SW846 8260  
QLast Update : Wed Jun 29 17:35:34 2022  
Response via : Initial Calibration

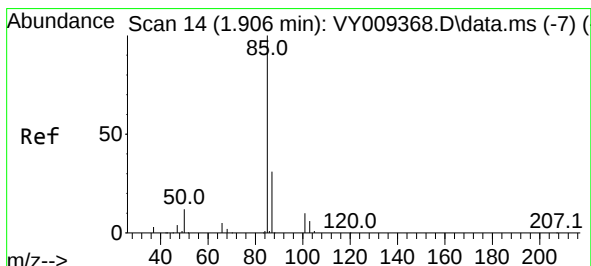
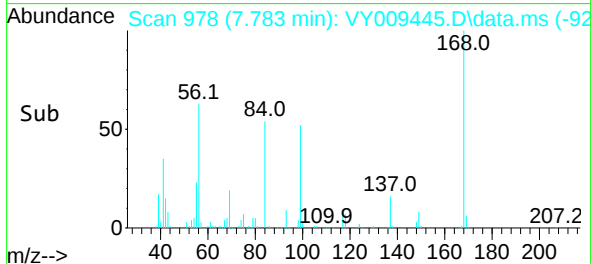
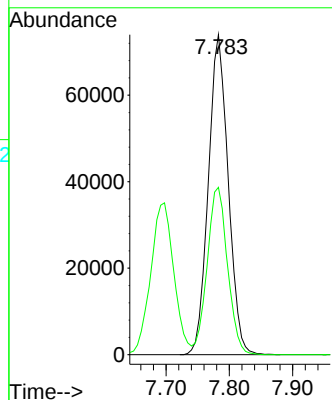
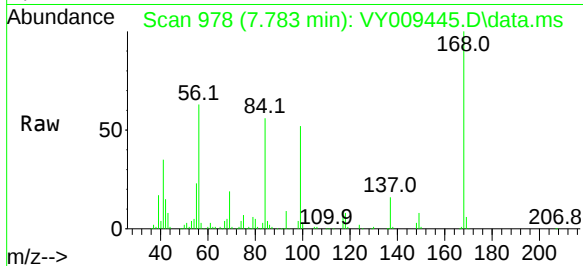




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY009445.D  
Acq: 06 Jul 2022 11:17

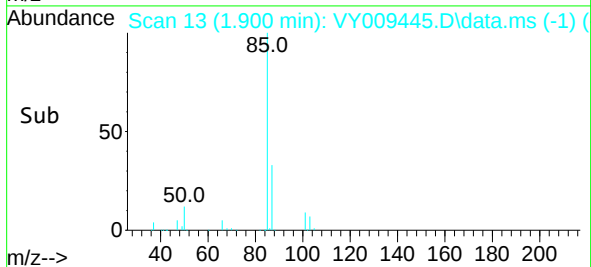
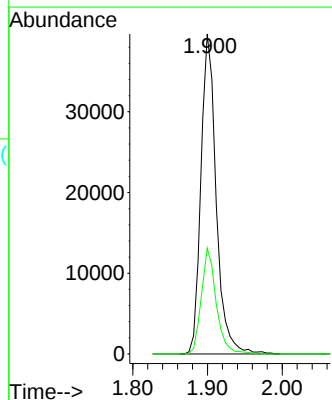
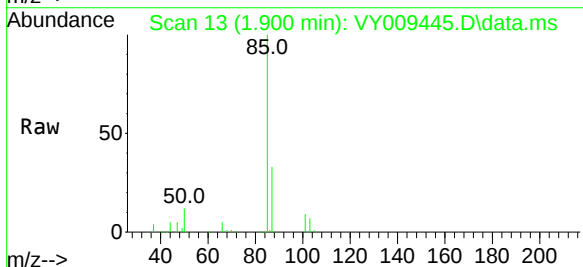
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

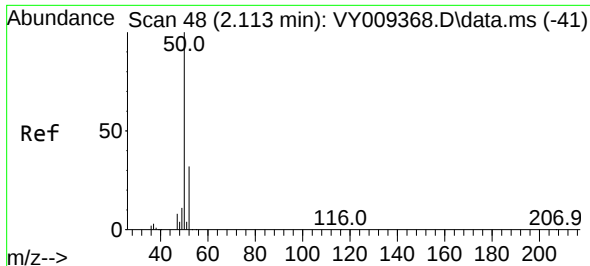
Tgt Ion:168 Resp: 161370  
Ion Ratio Lower Upper  
168 100  
99 52.3 46.9 70.3



#2  
Dichlorodifluoromethane  
Concen: 42.274 ug/l  
RT: 1.900 min Scan# 13  
Delta R.T. -0.000 min  
Lab File: VY009445.D  
Acq: 06 Jul 2022 11:17

Tgt Ion: 85 Resp: 56161  
Ion Ratio Lower Upper  
85 100  
87 33.1 16.1 48.2

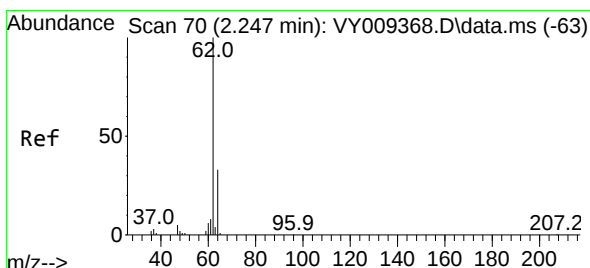
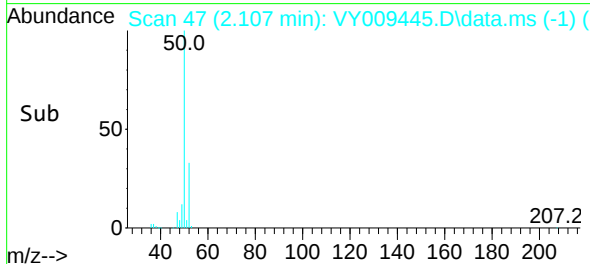
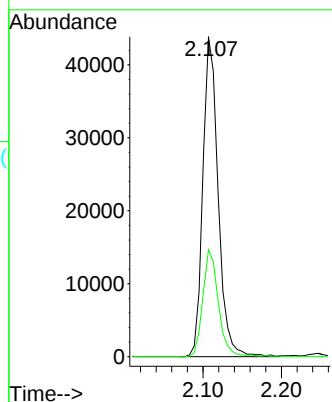
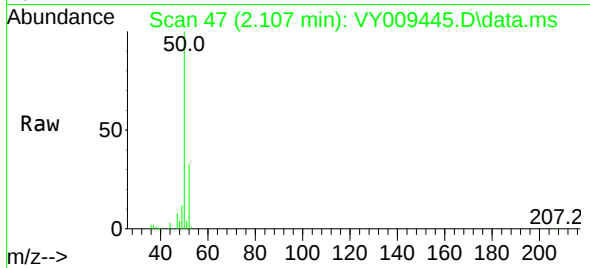




#3  
Chloromethane  
Concen: 41.149 ug/l  
RT: 2.107 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: VY009445.D  
Acq: 06 Jul 2022 11:17

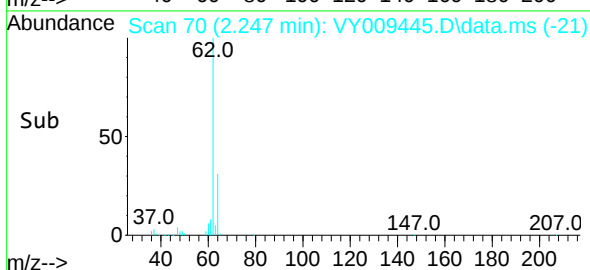
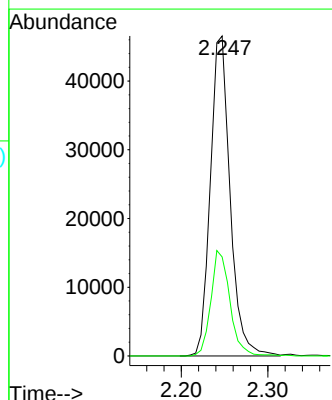
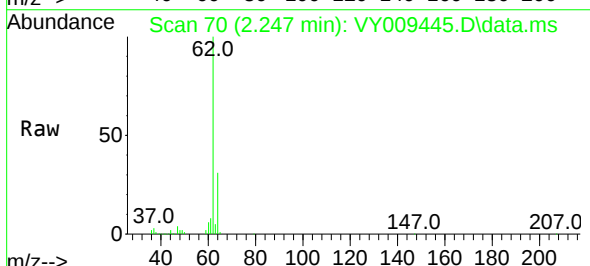
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

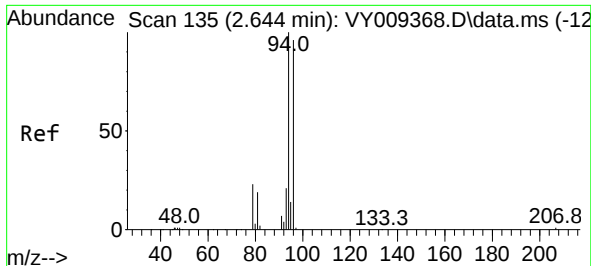
Tgt Ion: 50 Resp: 59481  
Ion Ratio Lower Upper  
50 100  
52 33.4 24.6 37.0



#4  
Vinyl Chloride  
Concen: 44.066 ug/l  
RT: 2.247 min Scan# 70  
Delta R.T. 0.000 min  
Lab File: VY009445.D  
Acq: 06 Jul 2022 11:17

Tgt Ion: 62 Resp: 73687  
Ion Ratio Lower Upper  
62 100  
64 31.0 25.0 37.6

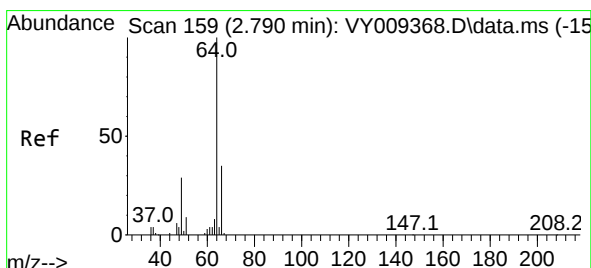
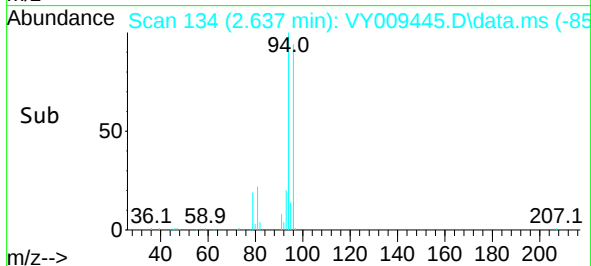
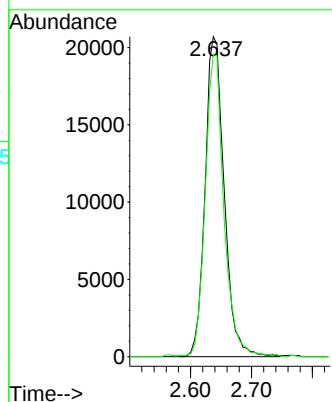
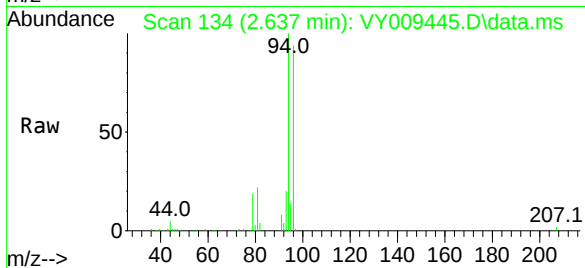




#5  
Bromomethane  
Concen: 42.061 ug/l  
RT: 2.637 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY009445.D  
Acq: 06 Jul 2022 11:17

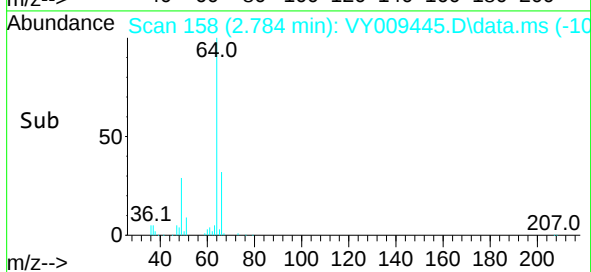
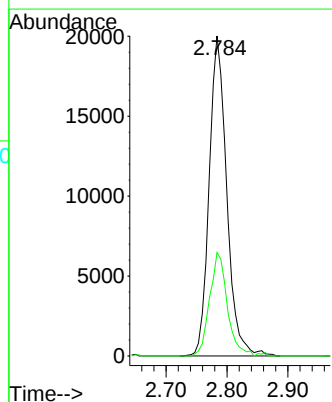
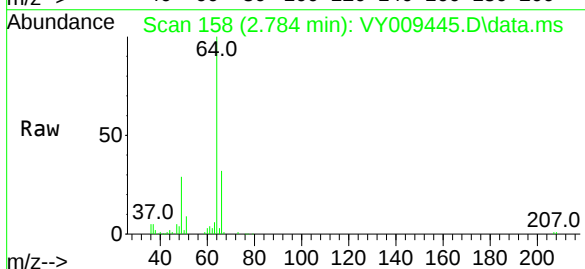
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

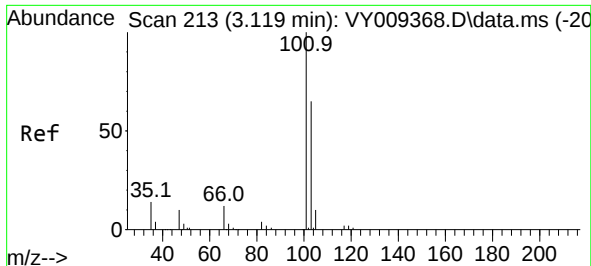
Tgt Ion: 94 Resp: 45132  
Ion Ratio Lower Upper  
94 100  
96 94.1 73.5 110.3



#6  
Chloroethane  
Concen: 44.994 ug/l  
RT: 2.784 min Scan# 158  
Delta R.T. -0.000 min  
Lab File: VY009445.D  
Acq: 06 Jul 2022 11:17

Tgt Ion: 64 Resp: 40116  
Ion Ratio Lower Upper  
64 100  
66 32.3 25.4 38.0

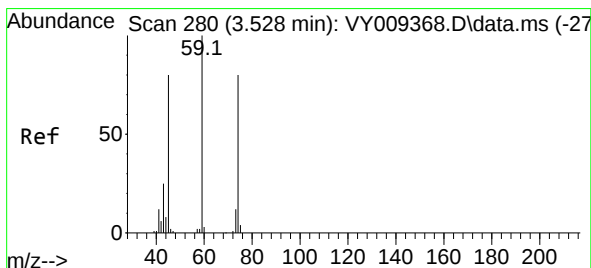
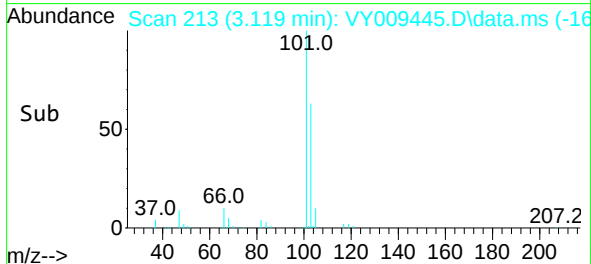
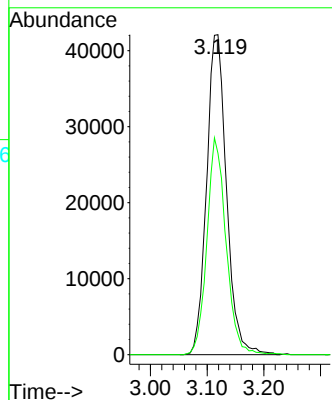
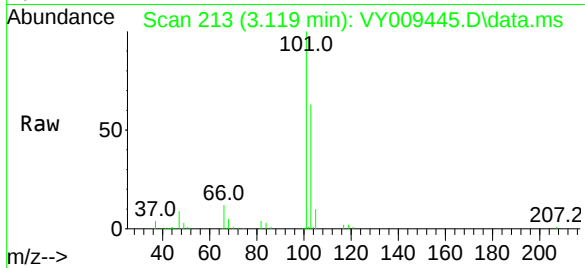




#7  
Trichlorofluoromethane  
Concen: 46.330 ug/l  
RT: 3.119 min Scan# 213  
Delta R.T. -0.000 min  
Lab File: VY009445.D  
Acq: 06 Jul 2022 11:17

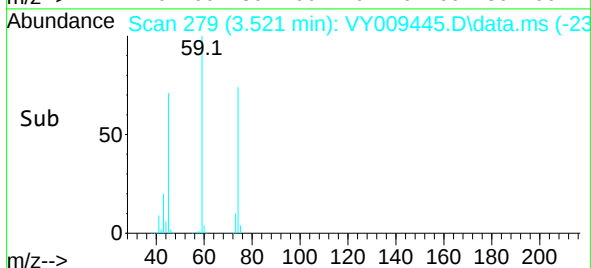
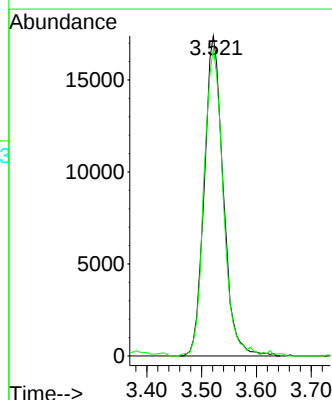
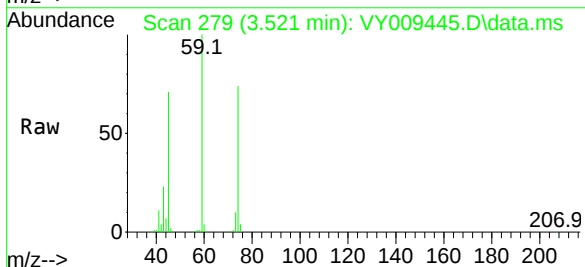
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

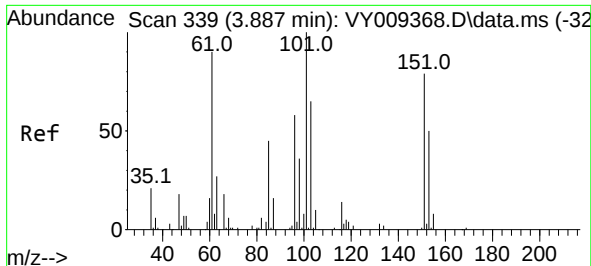
Tgt Ion:101 Resp: 102784  
Ion Ratio Lower Upper  
101 100  
103 62.9 48.0 72.0



#8  
Diethyl Ether  
Concen: 48.139 ug/l  
RT: 3.521 min Scan# 279  
Delta R.T. 0.000 min  
Lab File: VY009445.D  
Acq: 06 Jul 2022 11:17

Tgt Ion: 74 Resp: 41728  
Ion Ratio Lower Upper  
74 100  
45 97.1 55.1 165.5

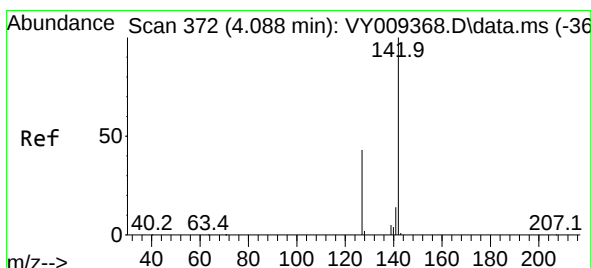
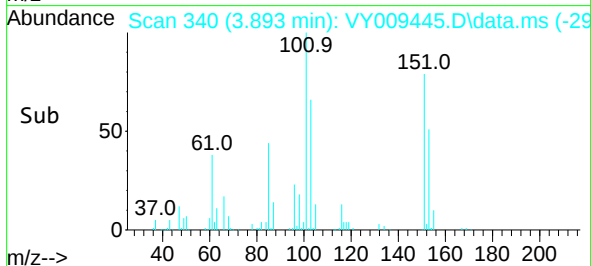
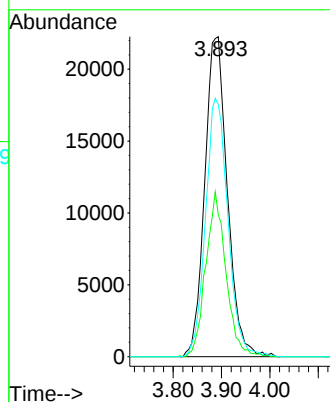
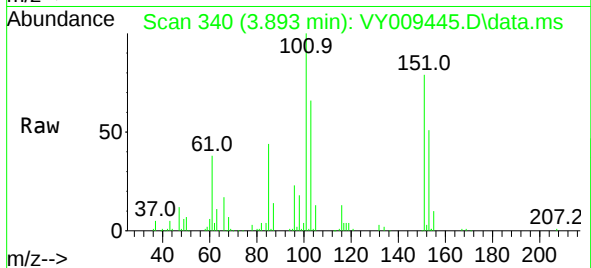




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 45.476 ug/l  
RT: 3.893 min Scan# 341  
Delta R.T. 0.000 min  
Lab File: VY009445.D  
Acq: 06 Jul 2022 11:17

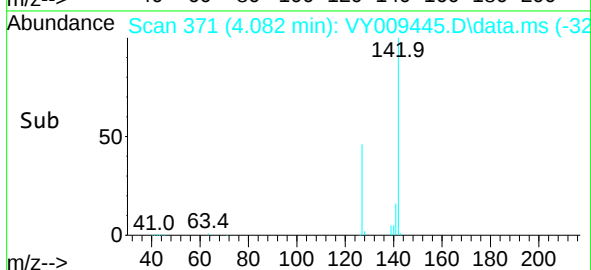
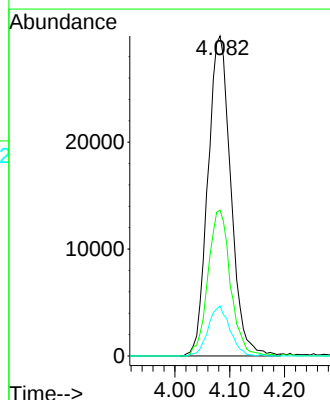
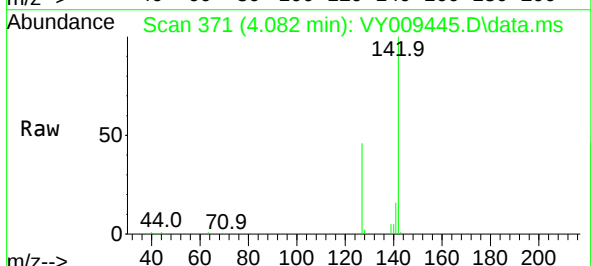
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

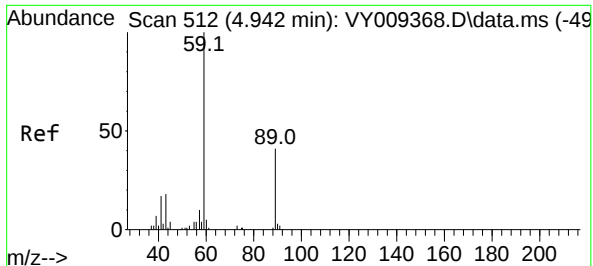
Tgt Ion:101 Resp: 72320  
Ion Ratio Lower Upper  
101 100  
85 46.0 40.6 60.8  
151 80.2 64.9 97.3



#10  
Methyl Iodide  
Concen: 49.755 ug/l  
RT: 4.082 min Scan# 371  
Delta R.T. 0.000 min  
Lab File: VY009445.D  
Acq: 06 Jul 2022 11:17

Tgt Ion:142 Resp: 86854  
Ion Ratio Lower Upper  
142 100  
127 44.7 41.5 62.3  
141 14.8 11.9 17.9





#11

Tert butyl alcohol

Concen: 222.257 ug/l

RT: 4.936 min Scan# 511

Delta R.T. -0.006 min

Lab File: VY009445.D

Acq: 06 Jul 2022 11:17

Instrument :

MSVOA\_Y

ClientSampleId :

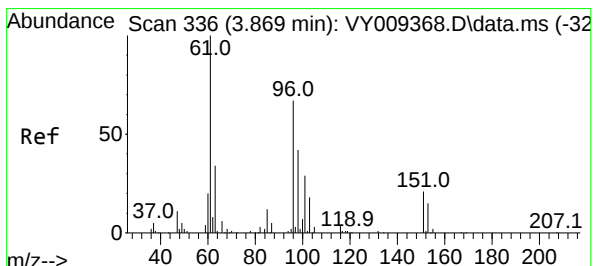
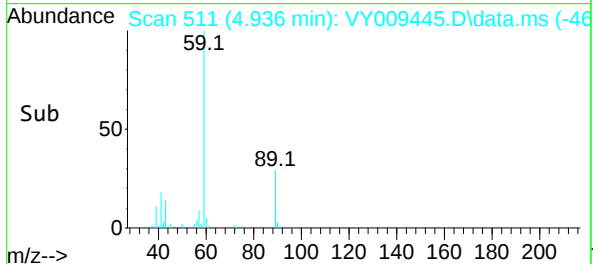
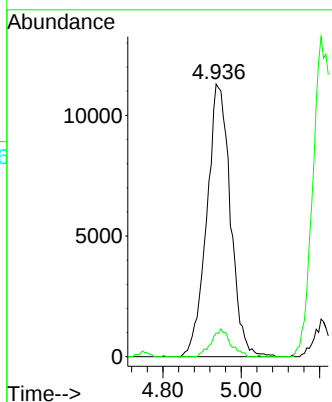
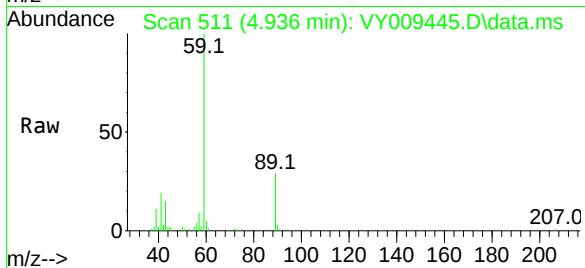
VSTDCCC050

Tgt Ion: 59 Resp: 47365

Ion Ratio Lower Upper

59 100

57 8.2 6.4 9.6



#12

1,1-Dichloroethene

Concen: 45.198 ug/l

RT: 3.857 min Scan# 334

Delta R.T. -0.006 min

Lab File: VY009445.D

Acq: 06 Jul 2022 11:17

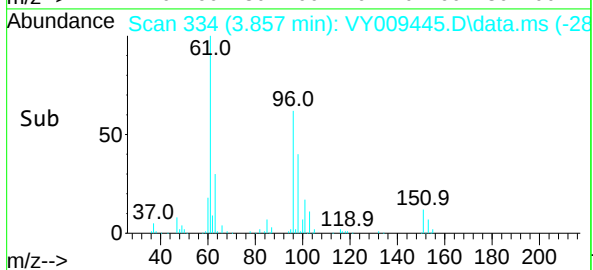
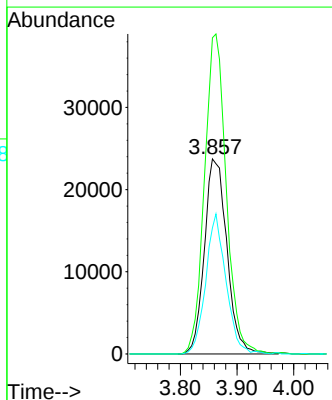
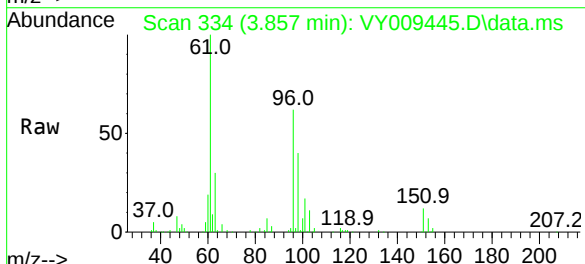
Tgt Ion: 96 Resp: 65565

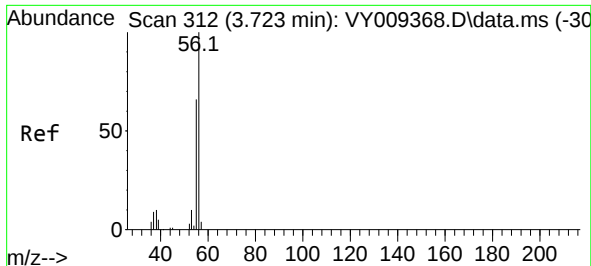
Ion Ratio Lower Upper

96 100

61 162.2 145.8 218.6

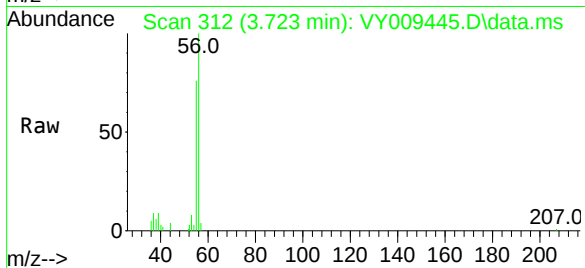
98 64.7 52.5 78.7



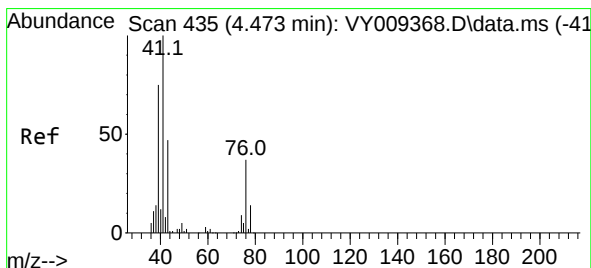
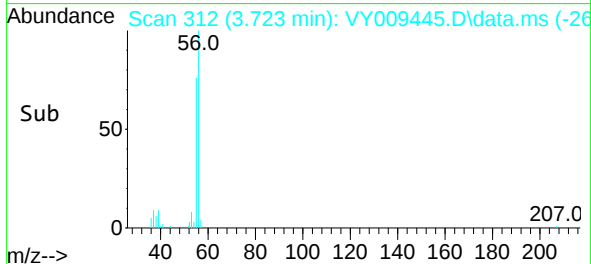
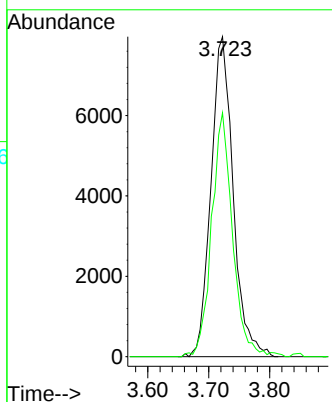


#13  
Acrolein  
Concen: 186.791 ug/l  
RT: 3.723 min Scan# 312  
Delta R.T. -0.000 min  
Lab File: VY009445.D  
Acq: 06 Jul 2022 11:17

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

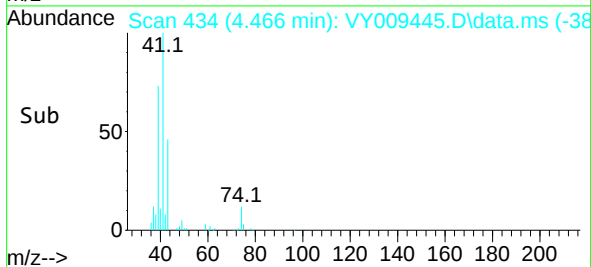
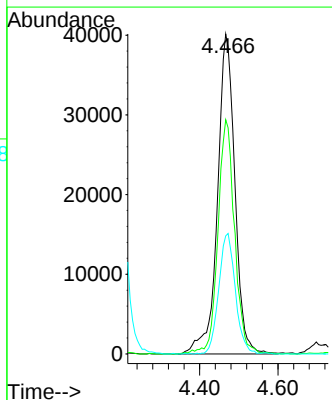
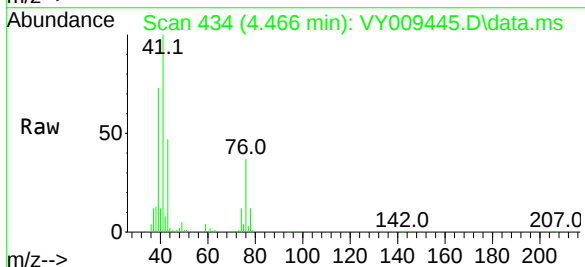


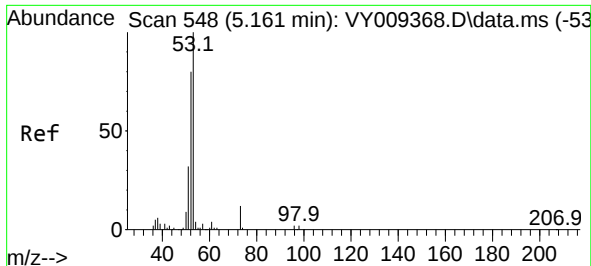
Tgt Ion: 56 Resp: 20150  
Ion Ratio Lower Upper  
56 100  
55 71.9 57.6 86.4



#14  
Allyl chloride  
Concen: 46.843 ug/l  
RT: 4.466 min Scan# 434  
Delta R.T. -0.007 min  
Lab File: VY009445.D  
Acq: 06 Jul 2022 11:17

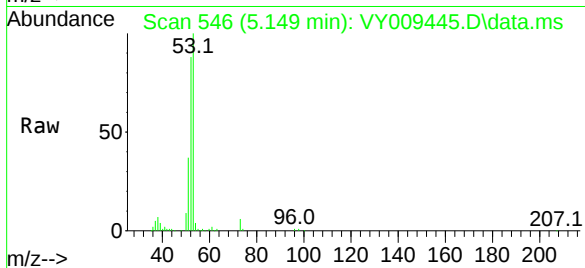
Tgt Ion: 41 Resp: 124509  
Ion Ratio Lower Upper  
41 100  
39 69.8 58.8 88.2  
76 35.8 25.1 37.7



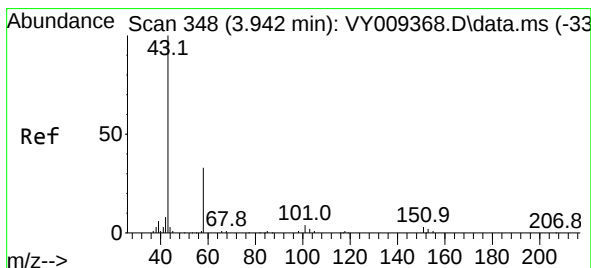
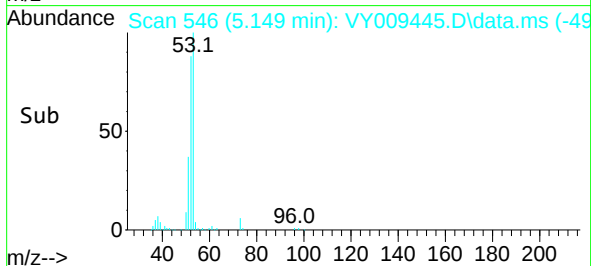
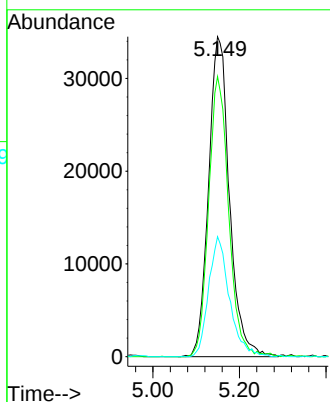


#15  
Acrylonitrile  
Concen: 235.290 ug/l  
RT: 5.149 min Scan# 54  
Delta R.T. -0.006 min  
Lab File: VY009445.D  
Acq: 06 Jul 2022 11:17

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

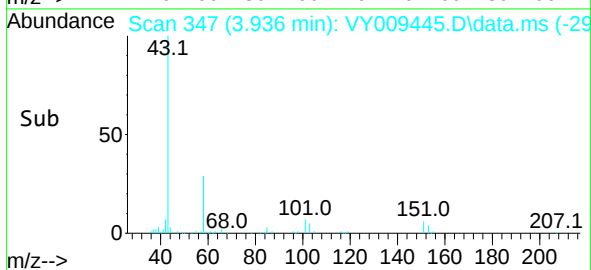
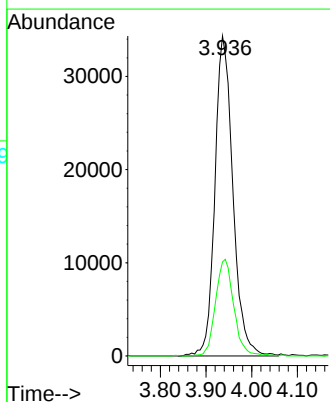
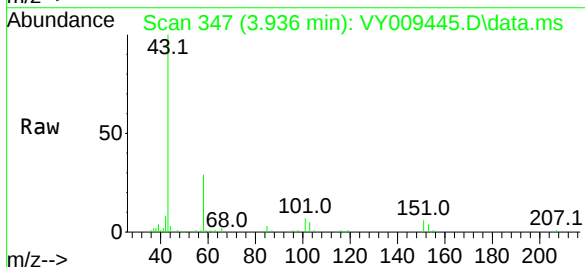


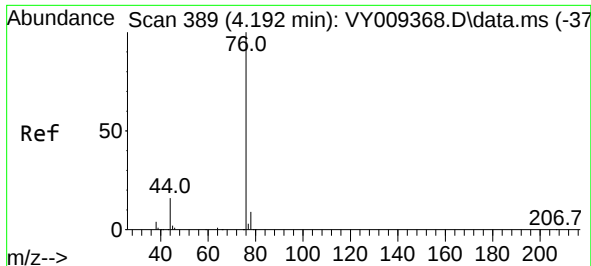
Tgt Ion: 53 Resp: 115540  
Ion Ratio Lower Upper  
53 100  
52 83.8 67.0 100.4  
51 37.4 29.8 44.6



#16  
Acetone  
Concen: 221.639 ug/l  
RT: 3.936 min Scan# 347  
Delta R.T. -0.006 min  
Lab File: VY009445.D  
Acq: 06 Jul 2022 11:17

Tgt Ion: 43 Resp: 94082  
Ion Ratio Lower Upper  
43 100  
58 29.4 22.0 33.0

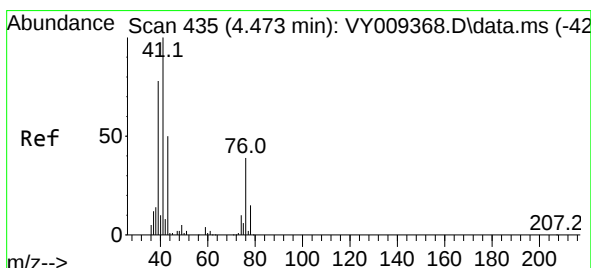
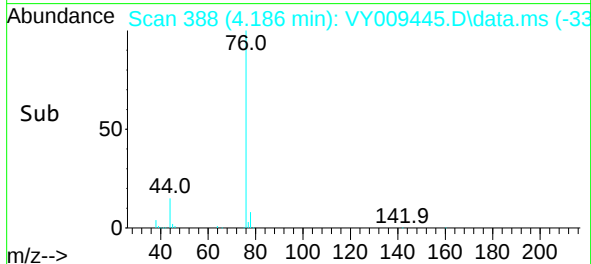
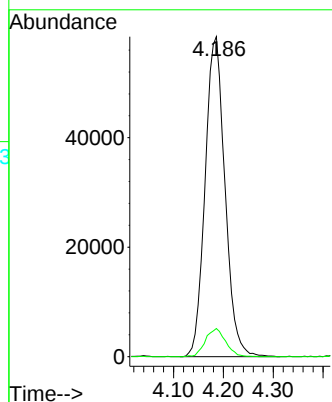
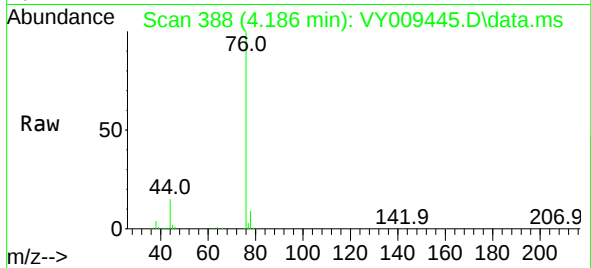




#17  
Carbon Disulfide  
Concen: 40.017 ug/l  
RT: 4.186 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VY009445.D  
Acq: 06 Jul 2022 11:17

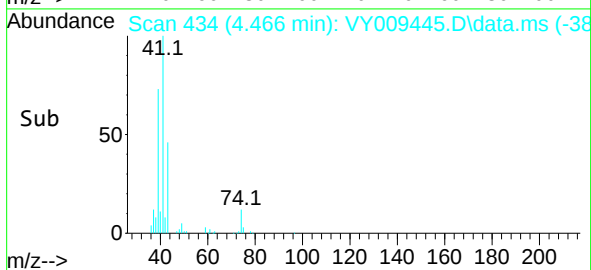
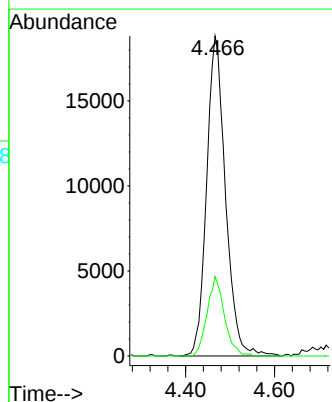
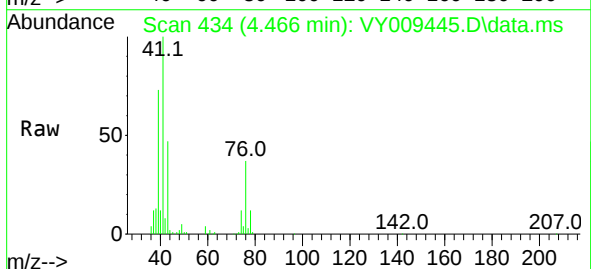
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

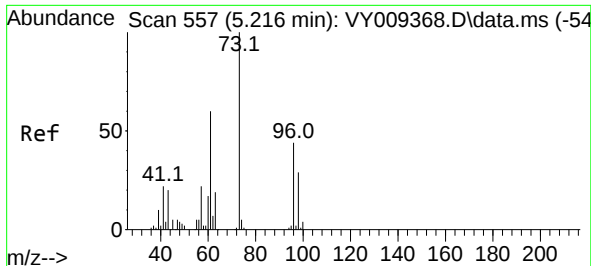
Tgt Ion: 76 Resp: 161475  
Ion Ratio Lower Upper  
76 100  
78 8.8 7.4 11.0



#18  
Methyl Acetate  
Concen: 50.677 ug/l  
RT: 4.466 min Scan# 434  
Delta R.T. -0.007 min  
Lab File: VY009445.D  
Acq: 06 Jul 2022 11:17

Tgt Ion: 43 Resp: 55566  
Ion Ratio Lower Upper  
43 100  
74 22.7 16.6 24.8





#19

Methyl tert-butyl Ether

Concen: 50.089 ug/l

RT: 5.204 min Scan# 51

Delta R.T. -0.012 min

Lab File: VY009445.D

Acq: 06 Jul 2022 11:17

Instrument :

MSVOA\_Y

ClientSampleId :

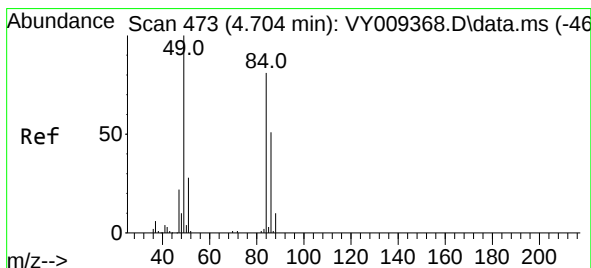
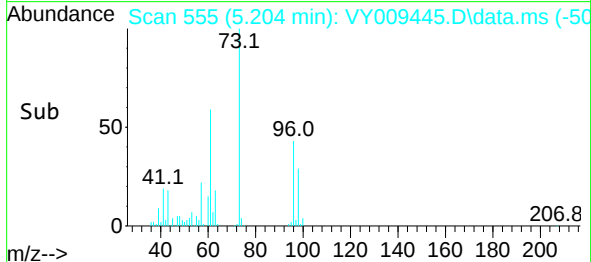
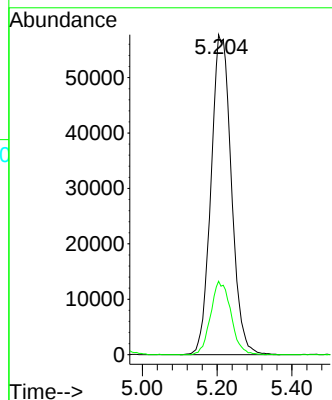
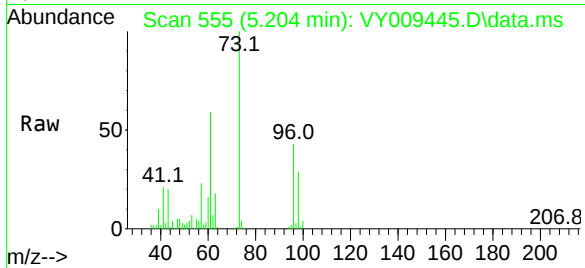
VSTDCCC050

Tgt Ion: 73 Resp: 217909

Ion Ratio Lower Upper

73 100

57 23.0 18.6 27.8



#20

Methylene Chloride

Concen: 42.782 ug/l

RT: 4.704 min Scan# 473

Delta R.T. -0.006 min

Lab File: VY009445.D

Acq: 06 Jul 2022 11:17

Tgt Ion: 84 Resp: 84854

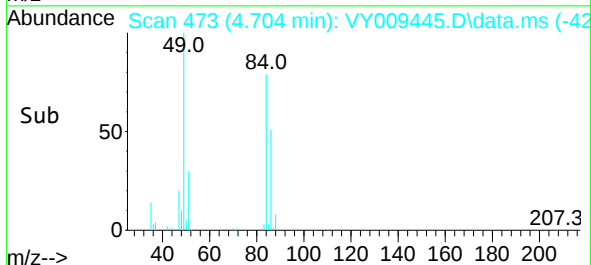
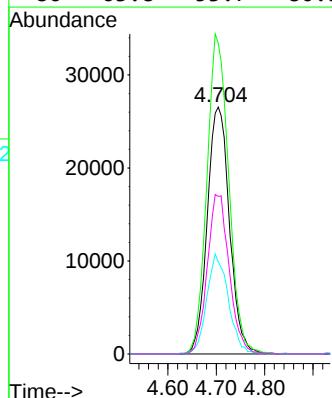
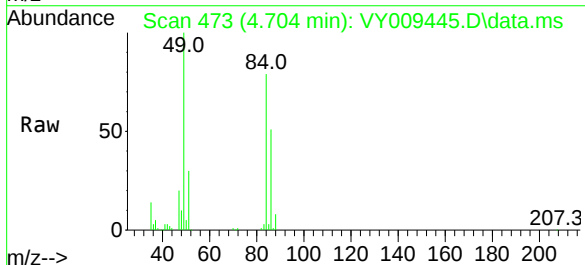
Ion Ratio Lower Upper

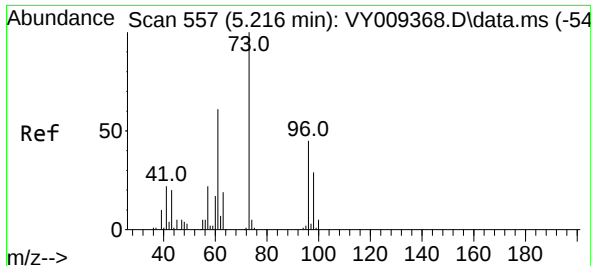
84 100

49 125.6 114.4 171.6

51 37.3 35.3 52.9

86 63.8 53.7 80.5

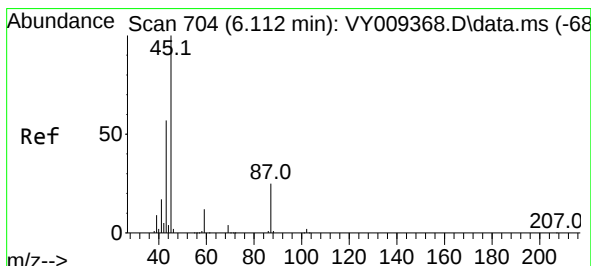
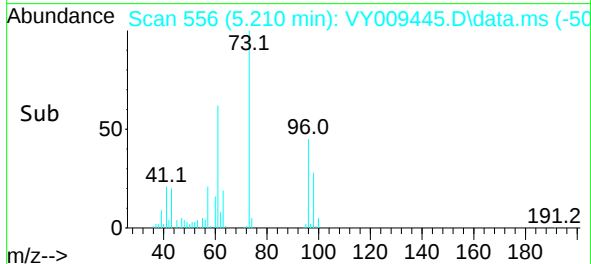
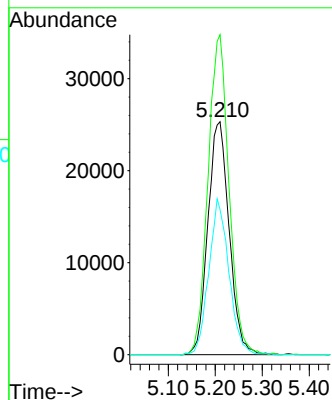
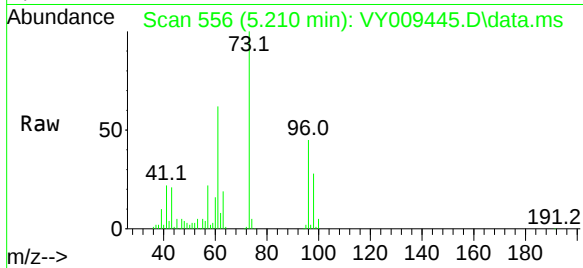




#21  
trans-1,2-Dichloroethene  
Concen: 45.851 ug/l  
RT: 5.210 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: VY009445.D  
Acq: 06 Jul 2022 11:17

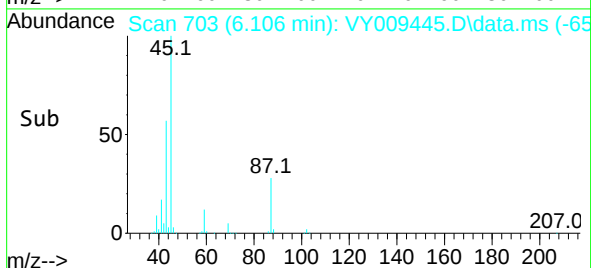
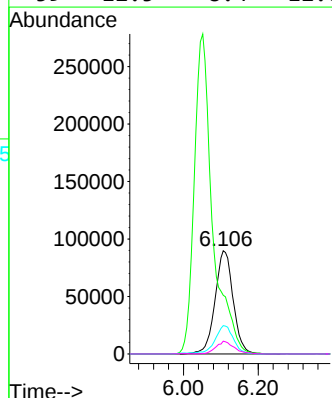
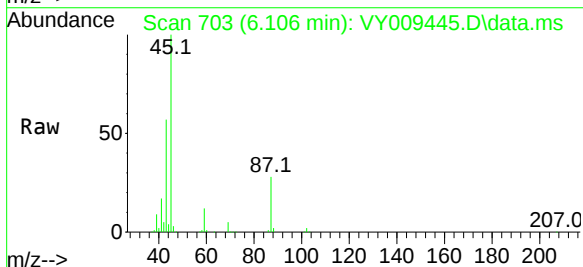
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

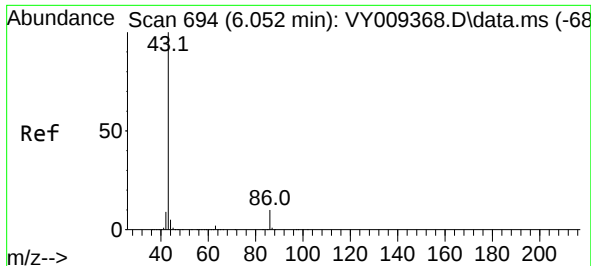
Tgt Ion: 96 Resp: 79630  
Ion Ratio Lower Upper  
96 100  
61 137.3 120.5 180.7  
98 62.3 49.8 74.8



#22  
Diisopropyl ether  
Concen: 53.743 ug/l  
RT: 6.106 min Scan# 703  
Delta R.T. -0.006 min  
Lab File: VY009445.D  
Acq: 06 Jul 2022 11:17

Tgt Ion: 45 Resp: 301467  
Ion Ratio Lower Upper  
45 100  
43 56.7 49.3 73.9  
87 27.5 19.2 28.8  
59 12.5 8.4 12.6

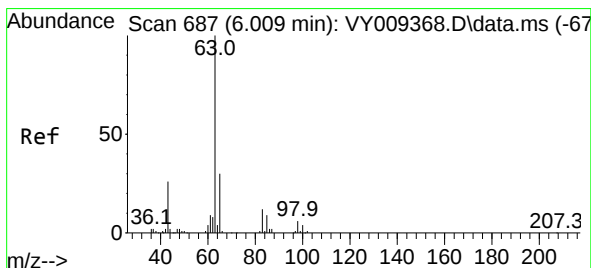
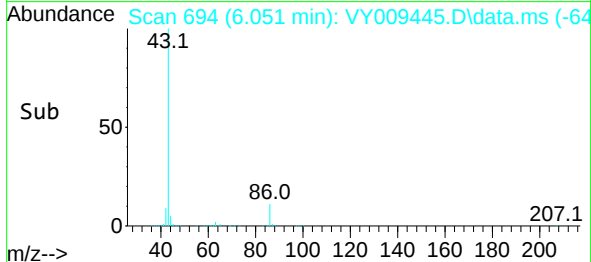
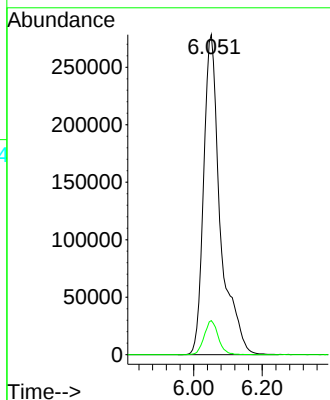
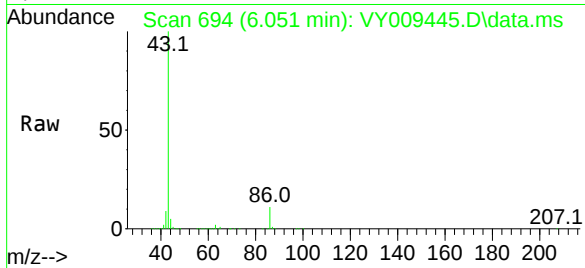




#23  
 Vinyl Acetate  
 Concen: 268.680 ug/l  
 RT: 6.051 min Scan# 694  
 Delta R.T. 0.000 min  
 Lab File: VY009445.D  
 Acq: 06 Jul 2022 11:17

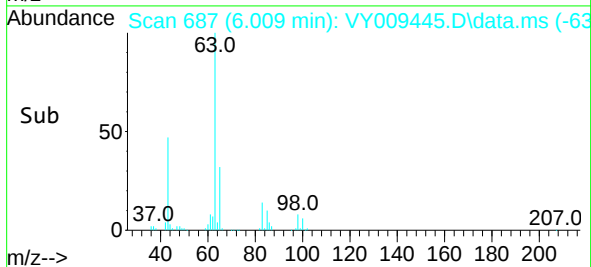
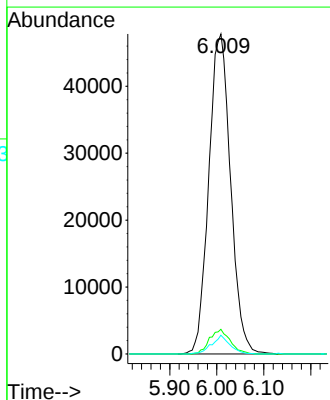
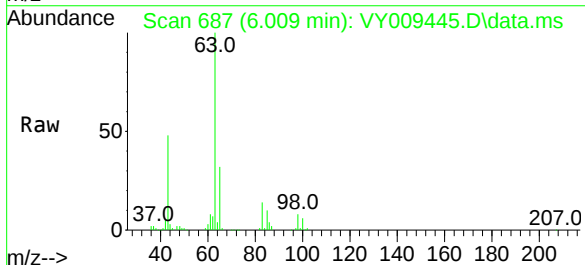
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

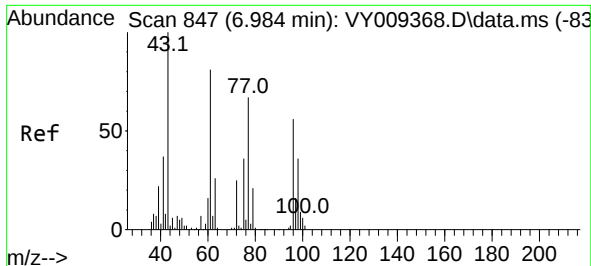
Tgt Ion: 43 Resp: 944126  
 Ion Ratio Lower Upper  
 43 100  
 86 10.6 7.1 10.7



#24  
 1,1-Dichloroethane  
 Concen: 48.839 ug/l  
 RT: 6.009 min Scan# 687  
 Delta R.T. -0.006 min  
 Lab File: VY009445.D  
 Acq: 06 Jul 2022 11:17

Tgt Ion: 63 Resp: 154028  
 Ion Ratio Lower Upper  
 63 100  
 98 7.7 3.6 10.8  
 100 5.9 2.0 5.8#

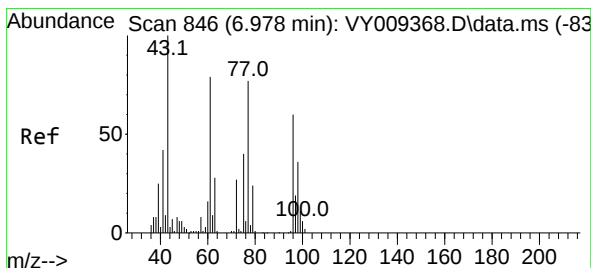
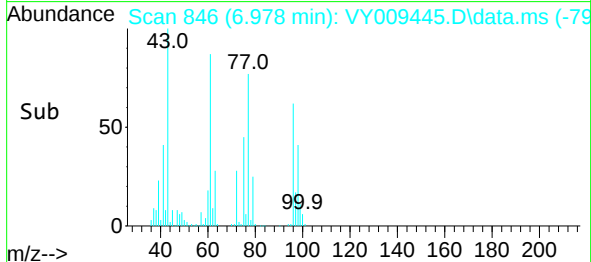
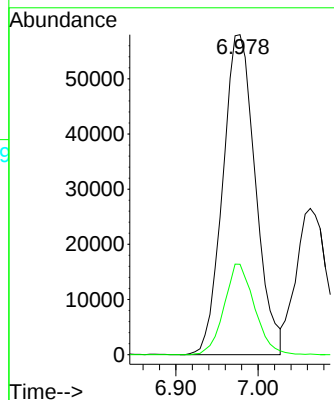
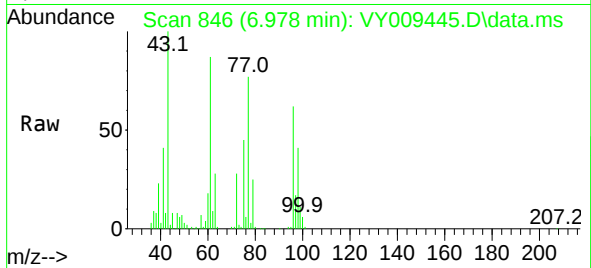




#25  
2-Butanone  
Concen: 238.036 ug/l  
RT: 6.978 min Scan# 84  
Delta R.T. 0.000 min  
Lab File: VY009445.D  
Acq: 06 Jul 2022 11:17

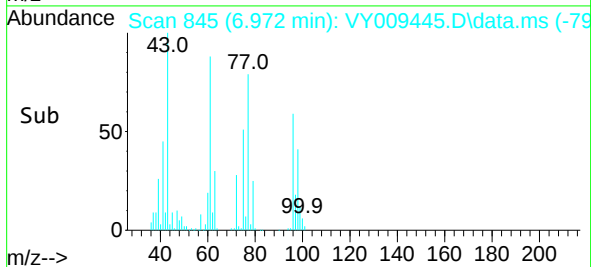
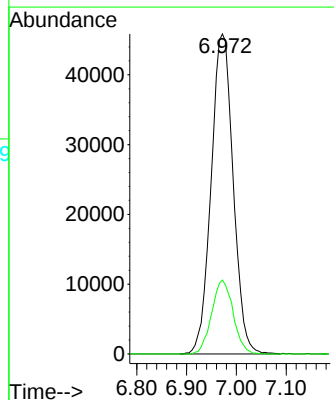
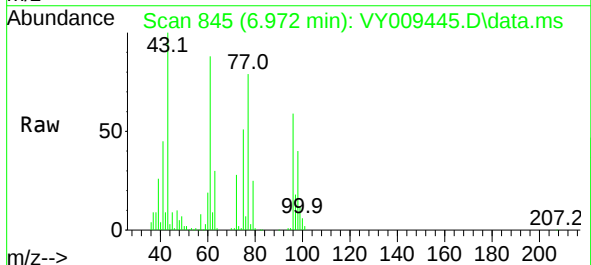
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

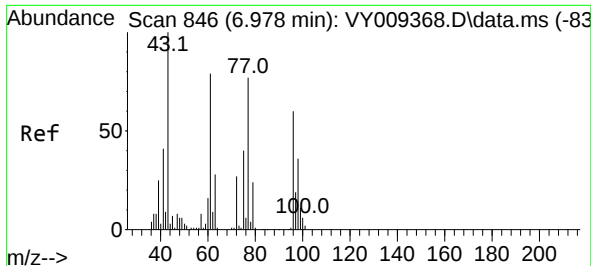
Tgt Ion: 43 Resp: 160191  
Ion Ratio Lower Upper  
43 100  
72 28.3 17.7 26.5#



#26  
2,2-Dichloropropane  
Concen: 47.174 ug/l  
RT: 6.972 min Scan# 845  
Delta R.T. -0.000 min  
Lab File: VY009445.D  
Acq: 06 Jul 2022 11:17

Tgt Ion: 77 Resp: 140812  
Ion Ratio Lower Upper  
77 100  
97 22.4 10.4 31.4





#27

cis-1,2-Dichloroethene

Concen: 48.913 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.000 min

Lab File: VY009445.D

Acq: 06 Jul 2022 11:17

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

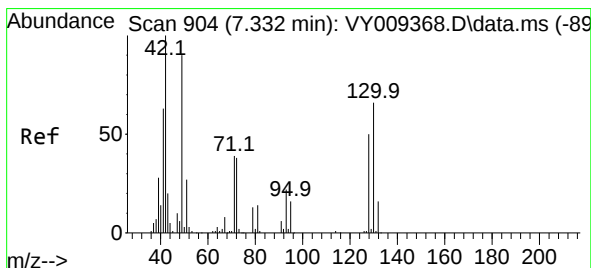
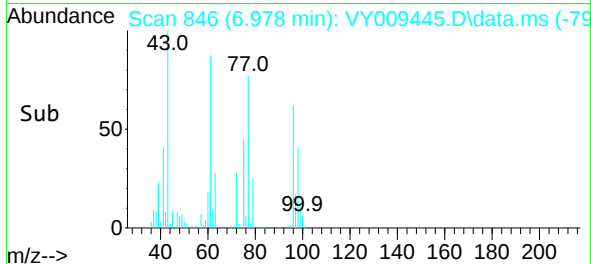
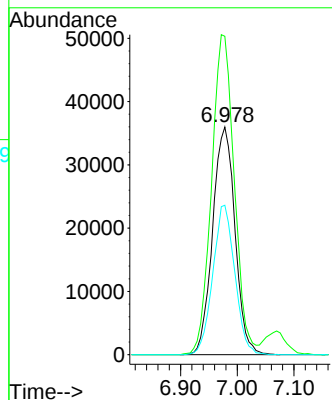
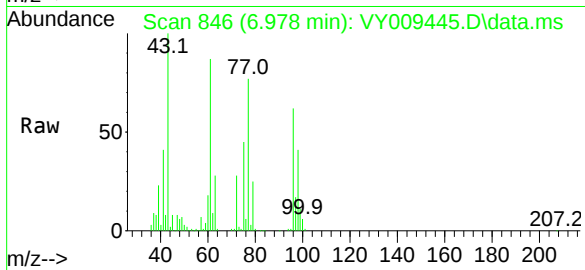
Tgt Ion: 96 Resp: 98688

Ion Ratio Lower Upper

96 100

61 142.4 0.0 319.8

98 64.5 0.0 127.0



#28

Bromochloromethane

Concen: 52.736 ug/l

RT: 7.326 min Scan# 903

Delta R.T. -0.000 min

Lab File: VY009445.D

Acq: 06 Jul 2022 11:17

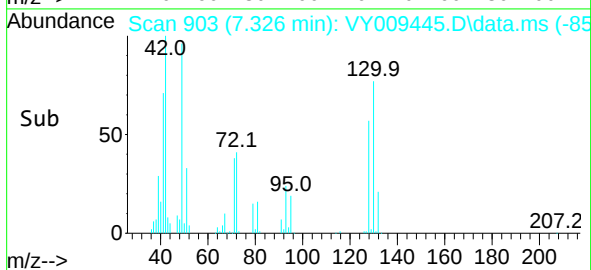
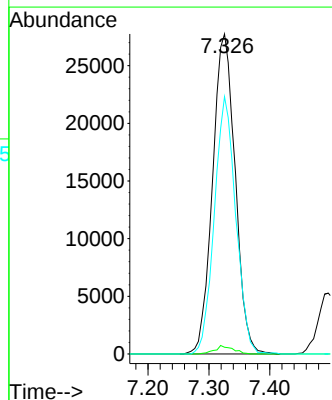
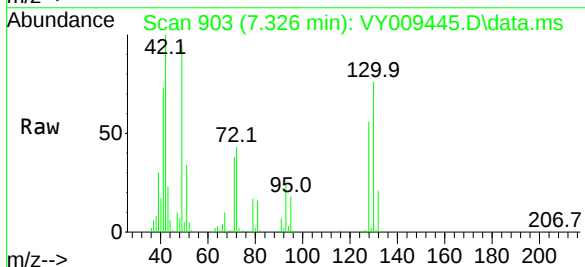
Tgt Ion: 49 Resp: 71415

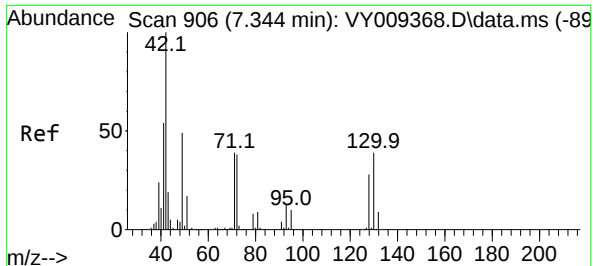
Ion Ratio Lower Upper

49 100

129 2.1 0.0 2.2

130 76.4 55.4 83.0





#29

Tetrahydrofuran

Concen: 248.743 ug/l

RT: 7.344 min Scan# 906

Delta R.T. -0.000 min

Lab File: VY009445.D

Acq: 06 Jul 2022 11:17

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

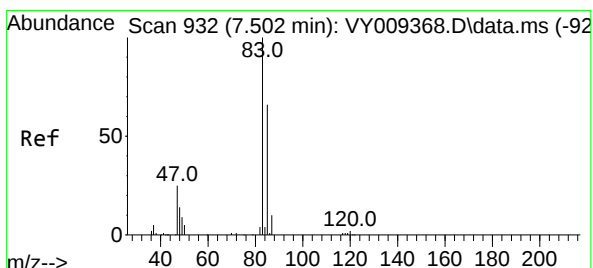
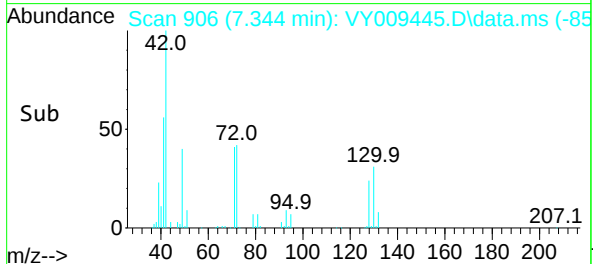
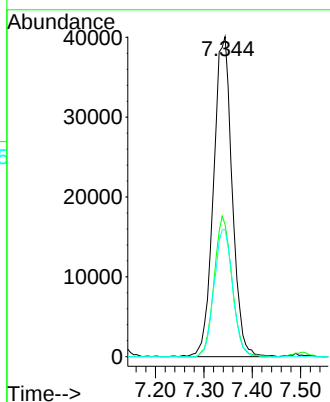
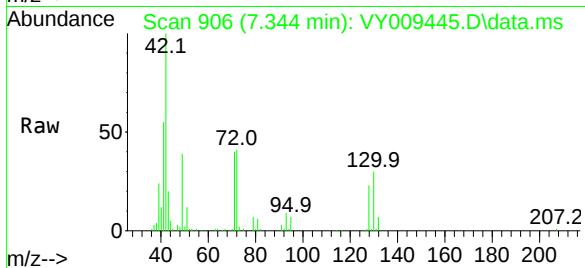
Tgt Ion: 42 Resp: 107321

Ion Ratio Lower Upper

42 100

72 41.9 30.3 45.5

71 39.7 29.0 43.4



#30

Chloroform

Concen: 50.059 ug/l

RT: 7.496 min Scan# 931

Delta R.T. -0.006 min

Lab File: VY009445.D

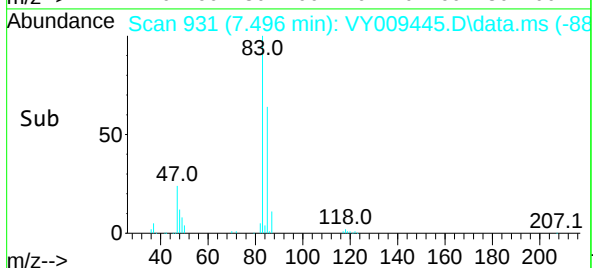
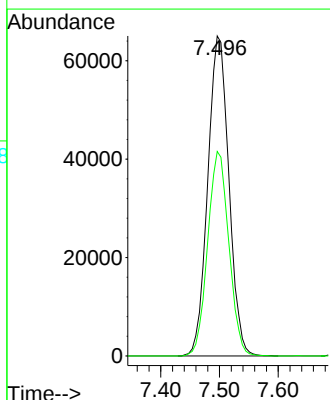
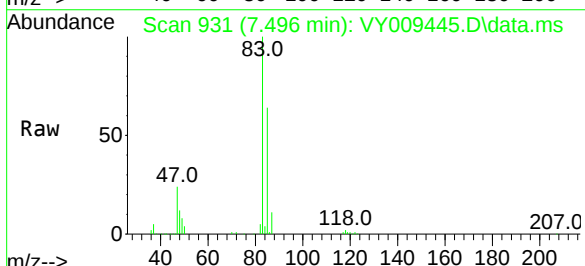
Acq: 06 Jul 2022 11:17

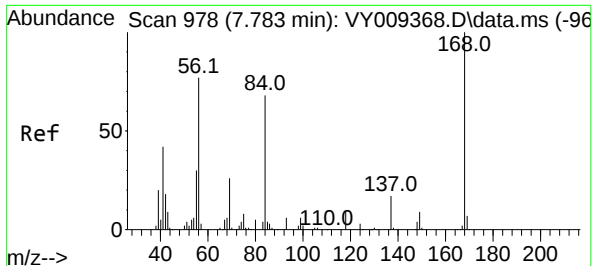
Tgt Ion: 83 Resp: 162263

Ion Ratio Lower Upper

83 100

85 63.9 51.8 77.6

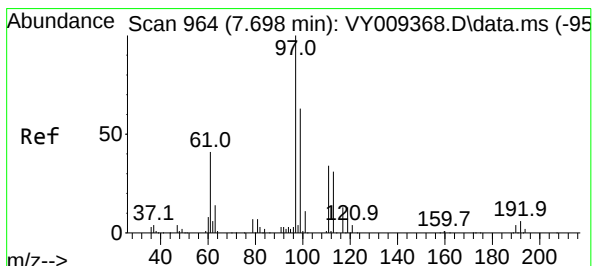
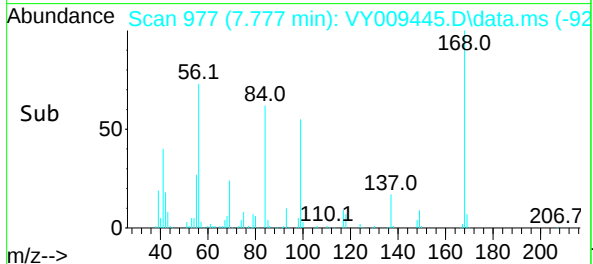
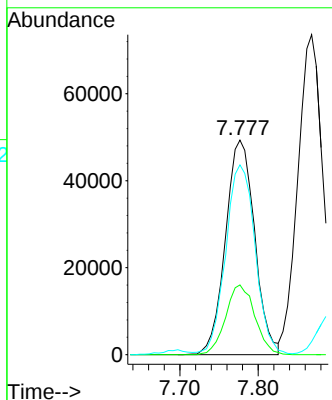
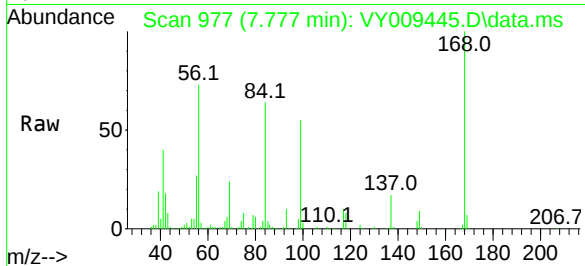




#31  
Cyclohexane  
Concen: 43.931 ug/l  
RT: 7.777 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY009445.D  
Acq: 06 Jul 2022 11:17

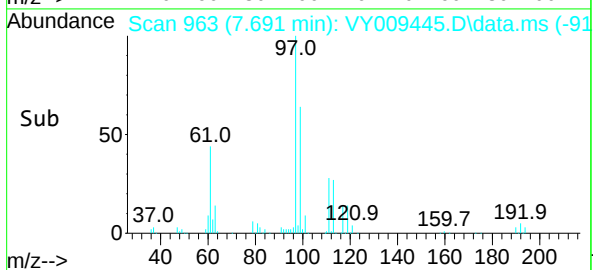
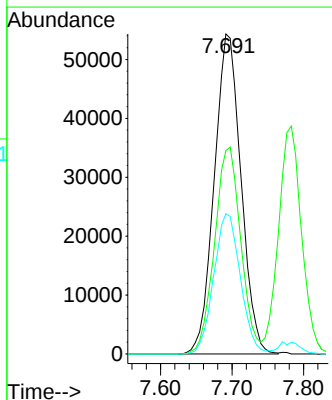
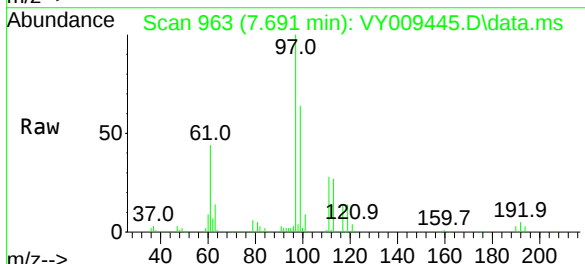
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

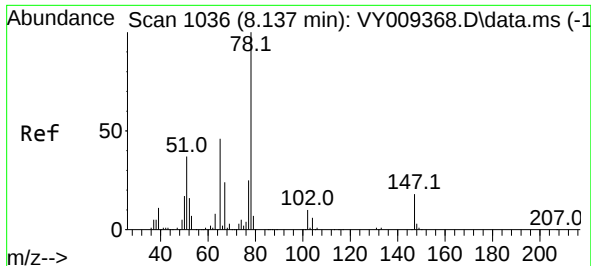
Tgt Ion: 56 Resp: 127716  
Ion Ratio Lower Upper  
56 100  
69 32.5 26.7 40.1  
84 86.3 67.2 100.8



#32  
1,1,1-Trichloroethane  
Concen: 48.601 ug/l  
RT: 7.691 min Scan# 963  
Delta R.T. -0.007 min  
Lab File: VY009445.D  
Acq: 06 Jul 2022 11:17

Tgt Ion: 97 Resp: 141074  
Ion Ratio Lower Upper  
97 100  
99 63.5 50.7 76.1  
61 43.5 37.6 56.4

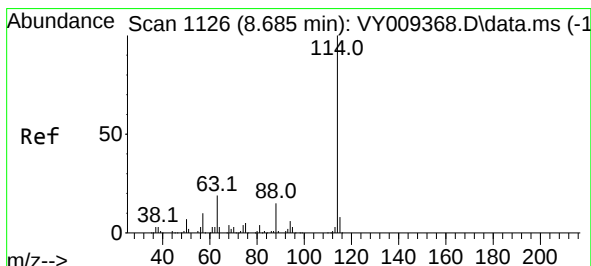
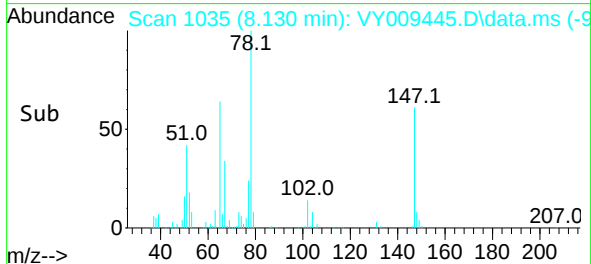
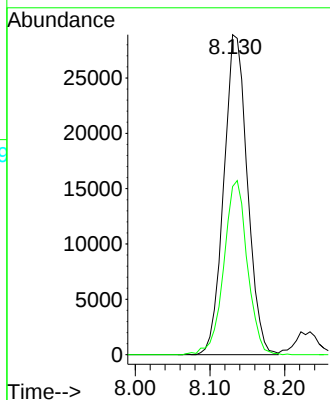
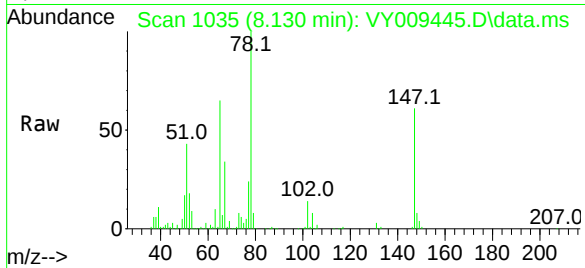




#33  
 1,2-Dichloroethane-d4  
 Concen: 49.112 ug/l  
 RT: 8.130 min Scan# 1036  
 Delta R.T. -0.006 min  
 Lab File: VY009445.D  
 Acq: 06 Jul 2022 11:17

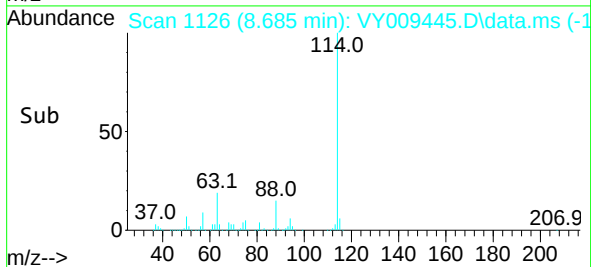
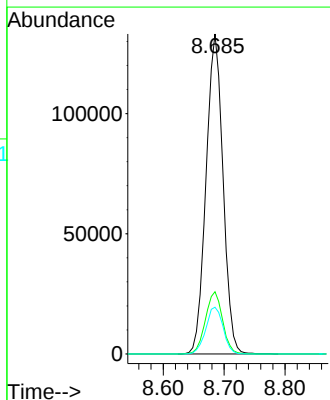
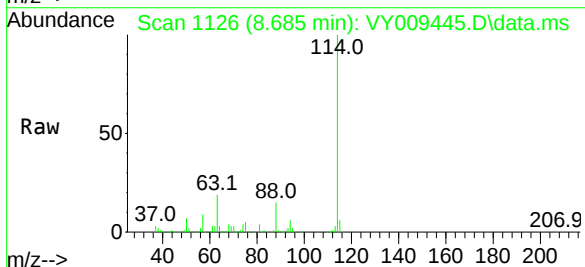
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

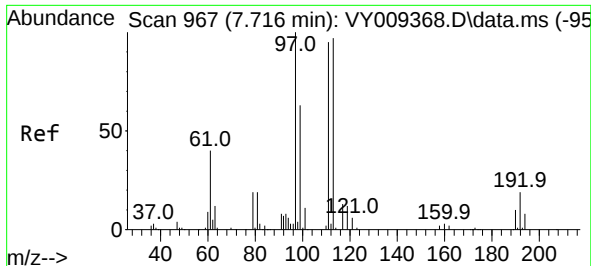
Tgt Ion: 65 Resp: 63478  
 Ion Ratio Lower Upper  
 65 100  
 67 54.2 0.0 99.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.685 min Scan# 1126  
 Delta R.T. 0.000 min  
 Lab File: VY009445.D  
 Acq: 06 Jul 2022 11:17

Tgt Ion: 114 Resp: 257430  
 Ion Ratio Lower Upper  
 114 100  
 63 19.4 0.0 43.2  
 88 14.6 0.0 31.8

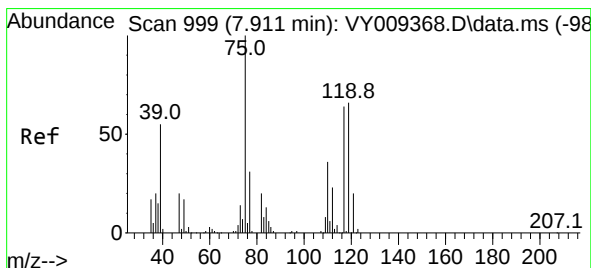
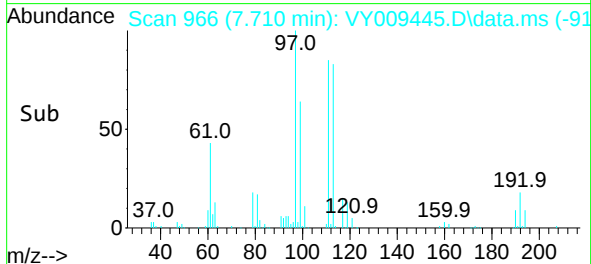
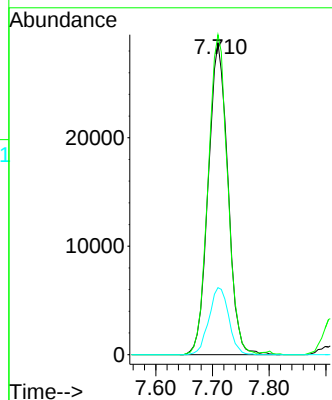
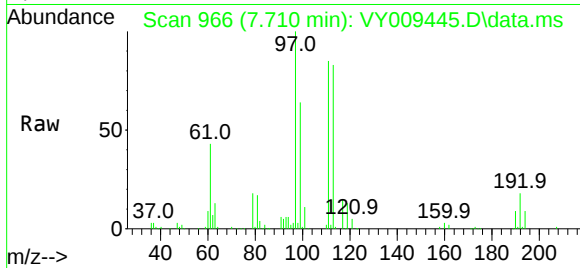




#35  
Dibromofluoromethane  
Concen: 48.792 ug/l  
RT: 7.710 min Scan# 911  
Delta R.T. -0.000 min  
Lab File: VY009445.D  
Acq: 06 Jul 2022 11:17

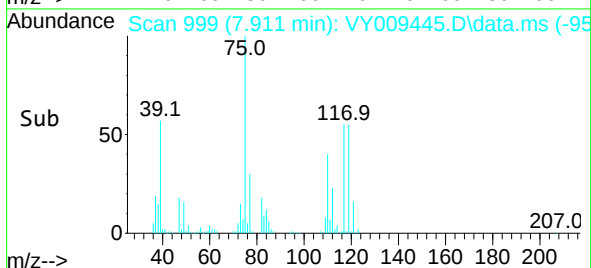
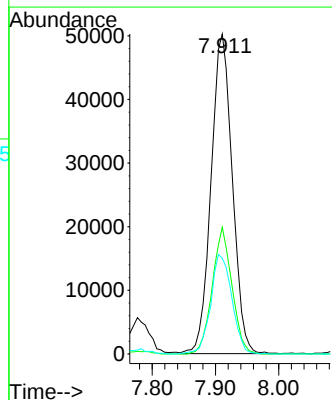
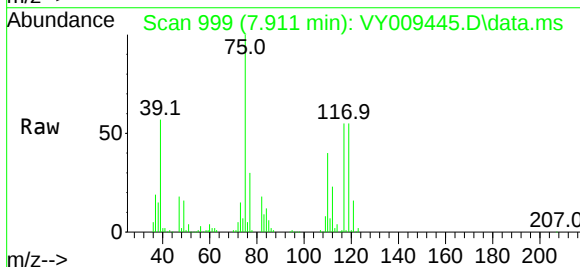
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

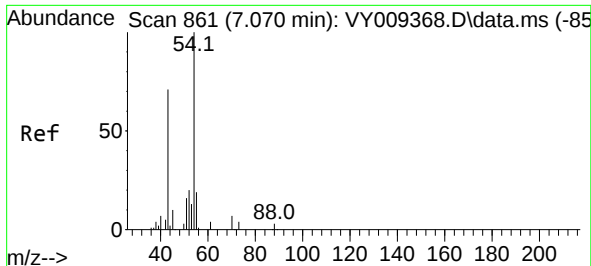
Tgt Ion:113 Resp: 69130  
Ion Ratio Lower Upper  
113 100  
111 101.8 82.6 124.0  
192 21.6 17.6 26.4



#36  
1,1-Dichloropropene  
Concen: 47.257 ug/l  
RT: 7.911 min Scan# 999  
Delta R.T. -0.000 min  
Lab File: VY009445.D  
Acq: 06 Jul 2022 11:17

Tgt Ion: 75 Resp: 117071  
Ion Ratio Lower Upper  
75 100  
110 36.6 17.1 51.2  
77 31.1 24.4 36.6

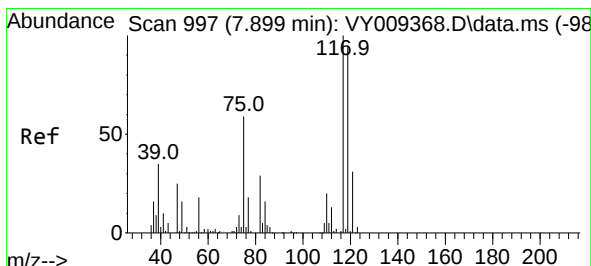
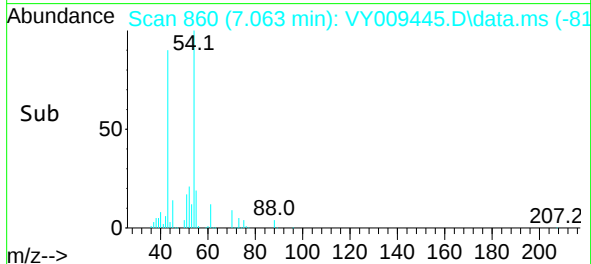
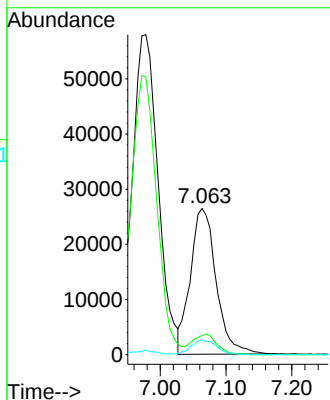
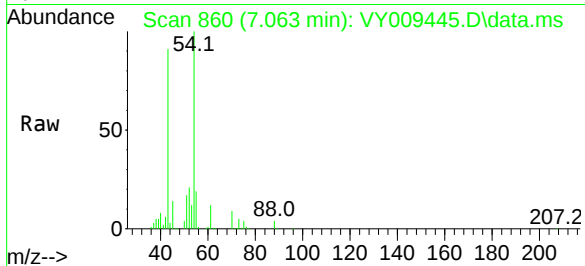




#37  
Ethyl Acetate  
Concen: 48.895 ug/l  
RT: 7.063 min Scan# 80  
Delta R.T. -0.007 min  
Lab File: VY009445.D  
Acq: 06 Jul 2022 11:17

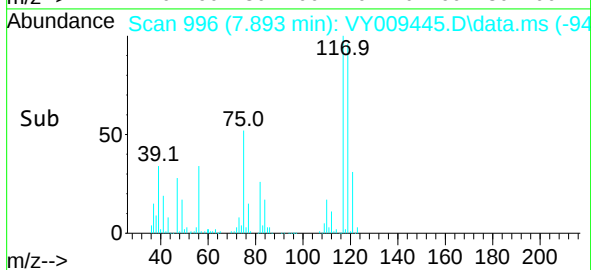
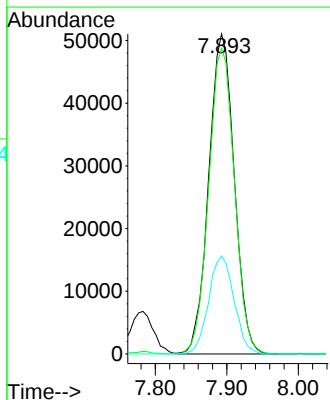
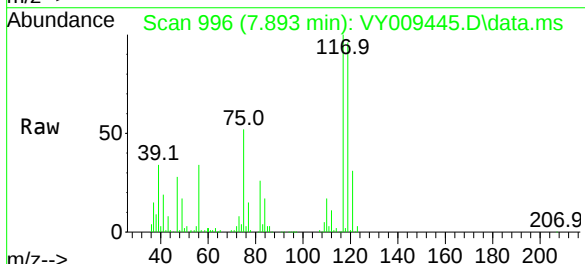
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

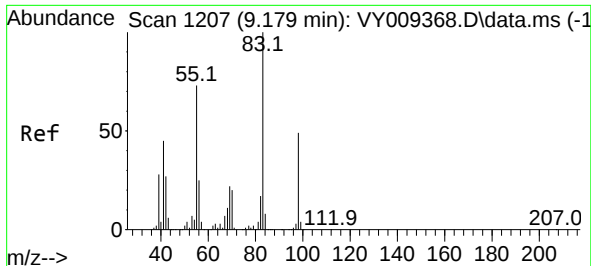
Tgt Ion: 43 Resp: 71833  
Ion Ratio Lower Upper  
43 100  
61 13.9 9.7 14.5  
70 10.2 7.1 10.7



#38  
Carbon Tetrachloride  
Concen: 48.801 ug/l  
RT: 7.893 min Scan# 996  
Delta R.T. -0.000 min  
Lab File: VY009445.D  
Acq: 06 Jul 2022 11:17

Tgt Ion: 117 Resp: 126366  
Ion Ratio Lower Upper  
117 100  
119 95.6 77.9 116.9  
121 30.6 24.8 37.2





#39

Methylcyclohexane

Concen: 46.779 ug/l

RT: 9.179 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY009445.D

Acq: 06 Jul 2022 11:17

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

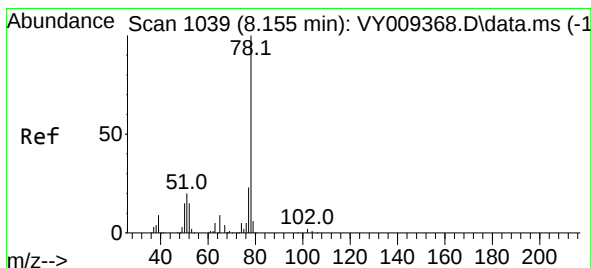
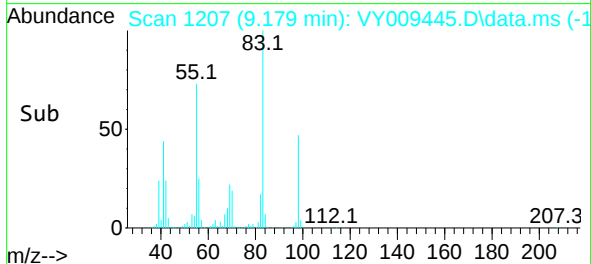
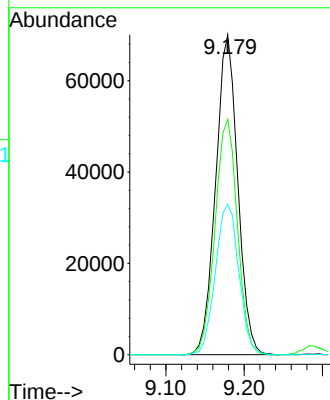
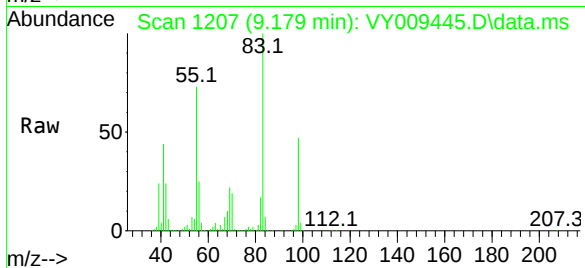
Tgt Ion: 83 Resp: 137155

Ion Ratio Lower Upper

83 100

55 73.5 66.5 99.7

98 46.9 37.9 56.9



#40

Benzene

Concen: 48.553 ug/l

RT: 8.155 min Scan# 1039

Delta R.T. -0.000 min

Lab File: VY009445.D

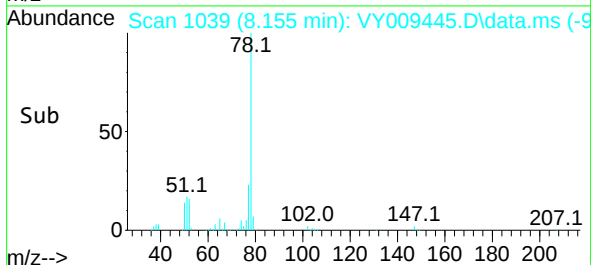
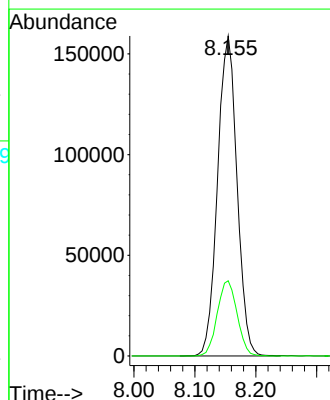
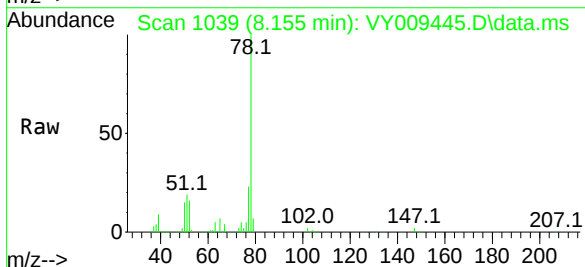
Acq: 06 Jul 2022 11:17

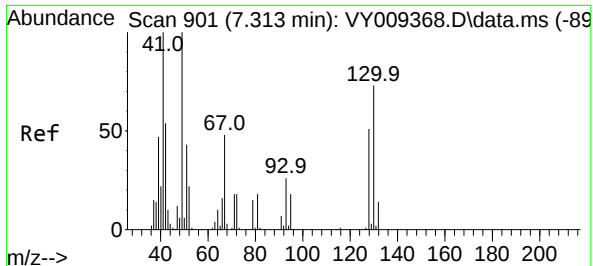
Tgt Ion: 78 Resp: 351749

Ion Ratio Lower Upper

78 100

77 23.5 20.4 30.6

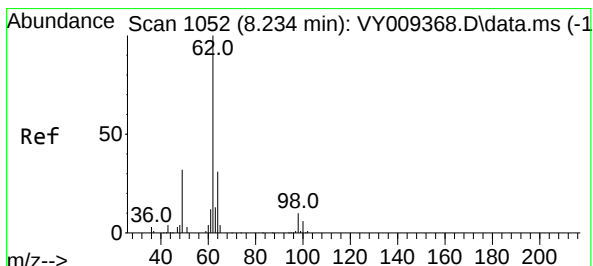
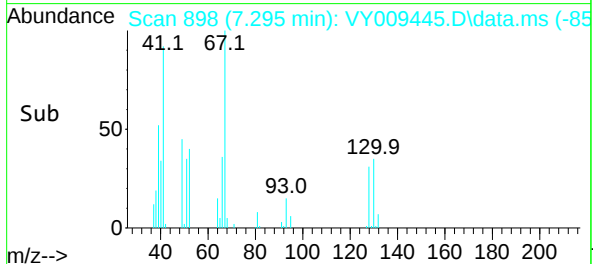
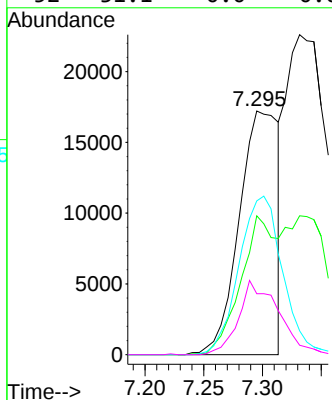
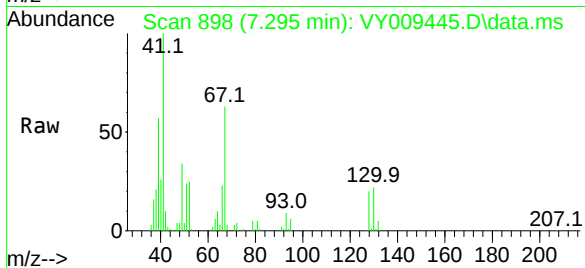




#41  
Methacrylonitrile  
Concen: 48.199 ug/l  
RT: 7.295 min Scan# 89  
Delta R.T. -0.006 min  
Lab File: VY009445.D  
Acq: 06 Jul 2022 11:17

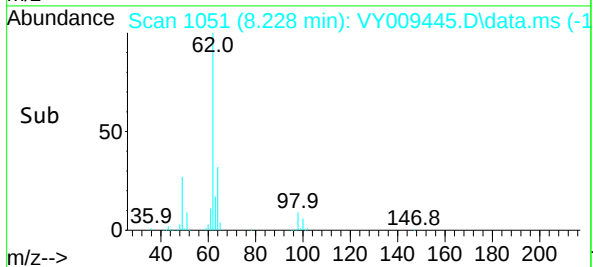
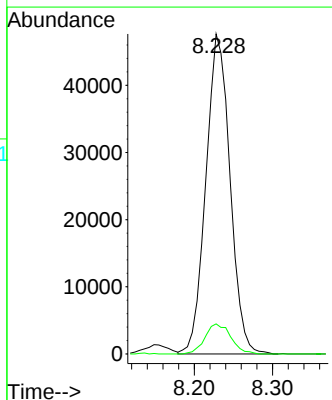
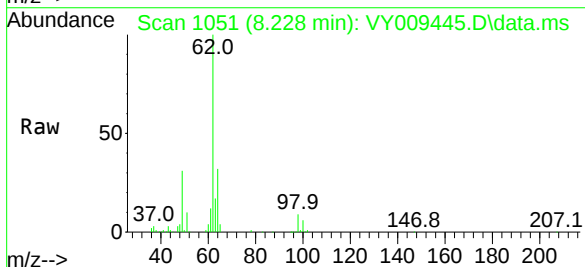
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

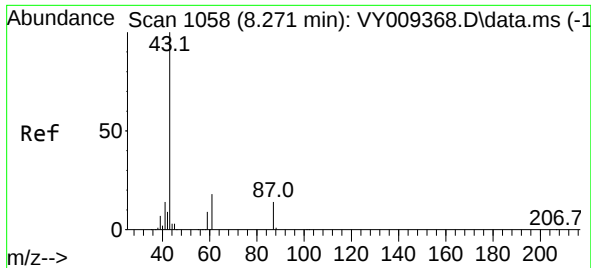
Tgt Ion: 41 Resp: 40004  
Ion Ratio Lower Upper  
41 100  
39 52.0 92.9 139.3#  
67 72.5 0.0 0.0#  
52 31.1 0.0 0.0#



#42  
1,2-Dichloroethane  
Concen: 49.177 ug/l  
RT: 8.228 min Scan# 1051  
Delta R.T. -0.006 min  
Lab File: VY009445.D  
Acq: 06 Jul 2022 11:17

Tgt Ion: 62 Resp: 102199  
Ion Ratio Lower Upper  
62 100  
98 10.1 0.0 14.8

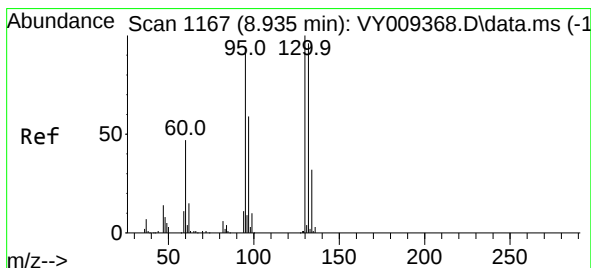
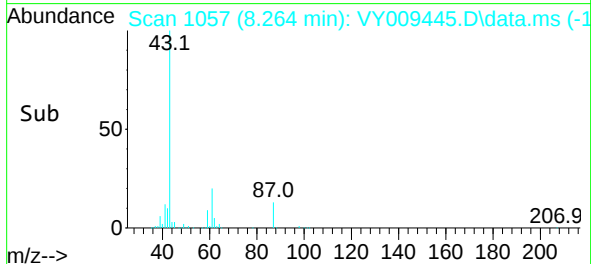
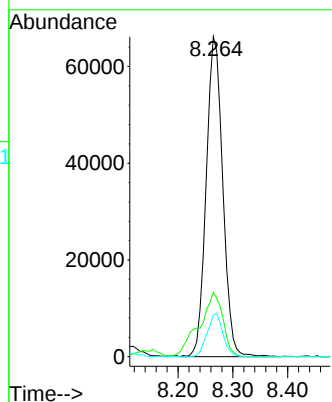
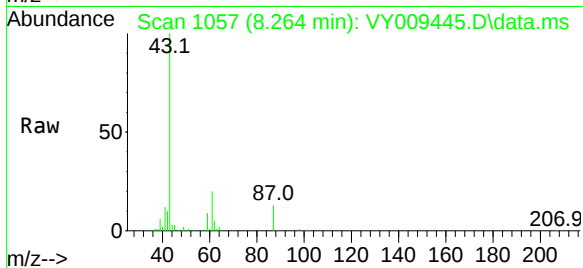




#43  
Isopropyl Acetate  
Concen: 51.347 ug/l  
RT: 8.264 min Scan# 1105  
Delta R.T. -0.007 min  
Lab File: VY009445.D  
Acq: 06 Jul 2022 11:17

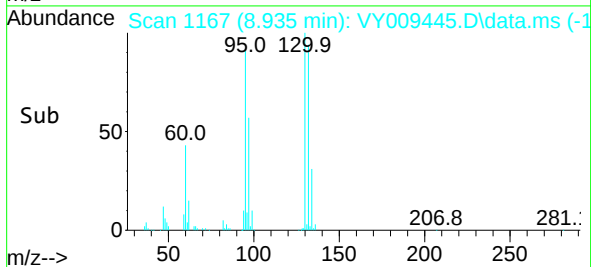
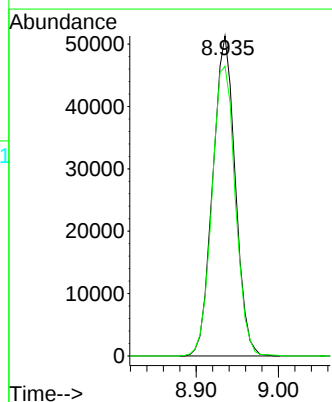
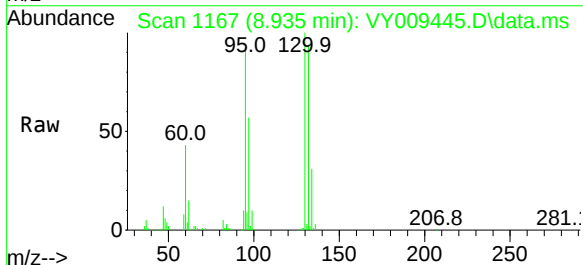
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

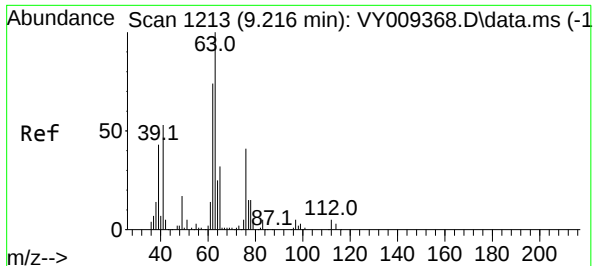
Tgt Ion: 43 Resp: 138499  
Ion Ratio Lower Upper  
43 100  
61 28.7 20.2 30.2  
87 12.9 8.9 13.3



#44  
Trichloroethene  
Concen: 48.294 ug/l  
RT: 8.935 min Scan# 1167  
Delta R.T. 0.000 min  
Lab File: VY009445.D  
Acq: 06 Jul 2022 11:17

Tgt Ion:130 Resp: 97213  
Ion Ratio Lower Upper  
130 100  
95 90.5 0.0 188.2





#45

1,2-Dichloropropane

Concen: 51.035 ug/l

RT: 9.209 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VY009445.D

Acq: 06 Jul 2022 11:17

Instrument :

MSVOA\_Y

ClientSampleId :

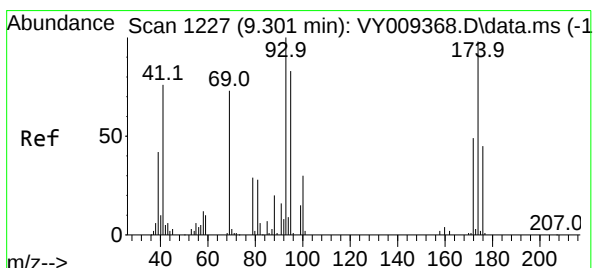
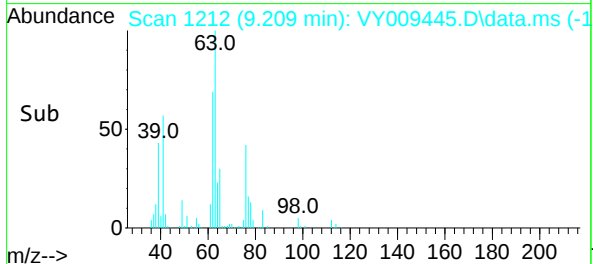
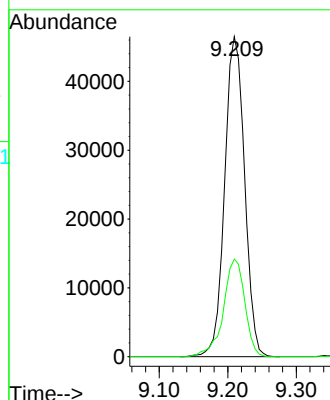
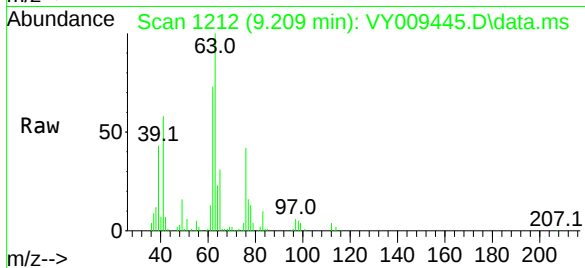
VSTDCCC050

Tgt Ion: 63 Resp: 93654

Ion Ratio Lower Upper

63 100

65 30.5 23.0 34.6



#46

Dibromomethane

Concen: 49.101 ug/l

RT: 9.301 min Scan# 1227

Delta R.T. -0.000 min

Lab File: VY009445.D

Acq: 06 Jul 2022 11:17

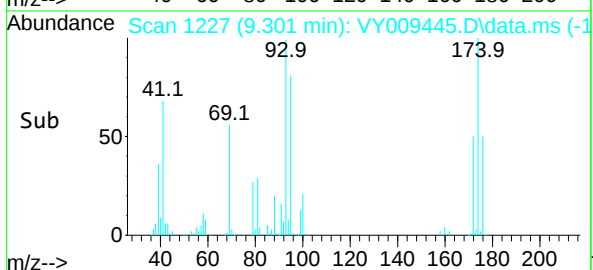
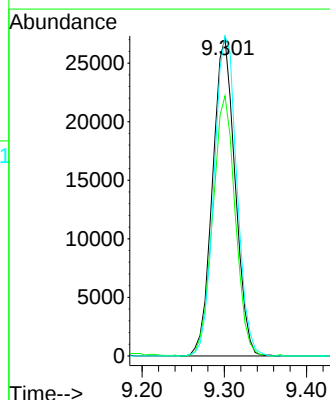
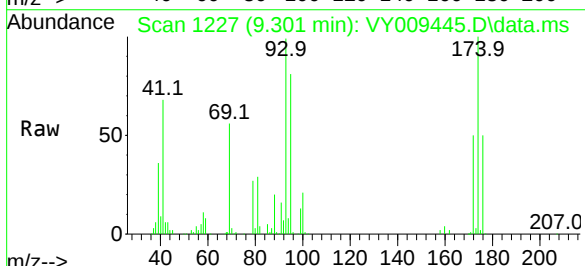
Tgt Ion: 93 Resp: 51620

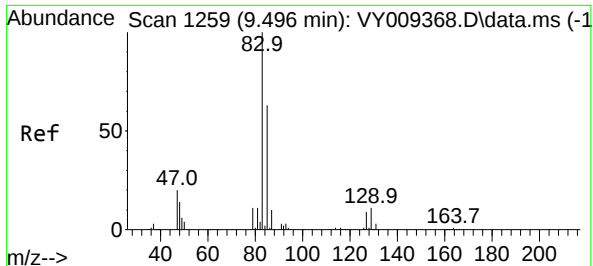
Ion Ratio Lower Upper

93 100

95 81.6 64.3 96.5

174 101.8 83.4 125.0

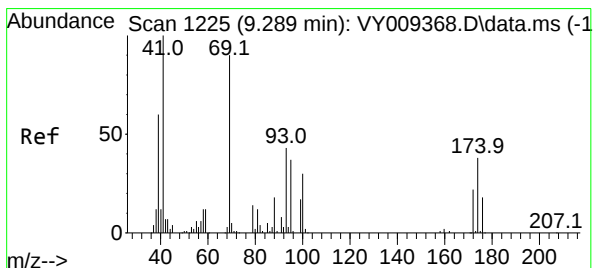
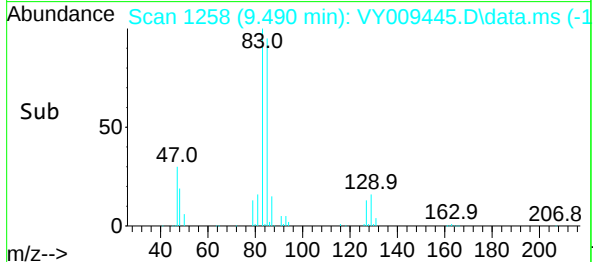
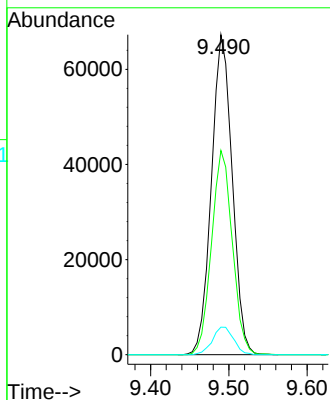
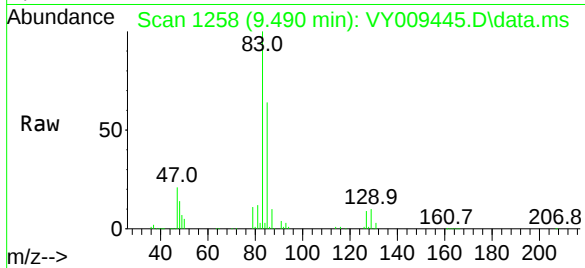




#47  
Bromodichloromethane  
Concen: 49.809 ug/l  
RT: 9.490 min Scan# 1258  
Delta R.T. -0.006 min  
Lab File: VY009445.D  
Acq: 06 Jul 2022 11:17

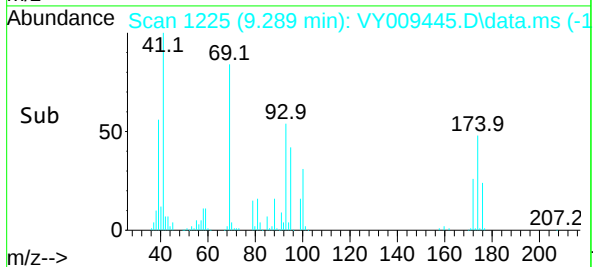
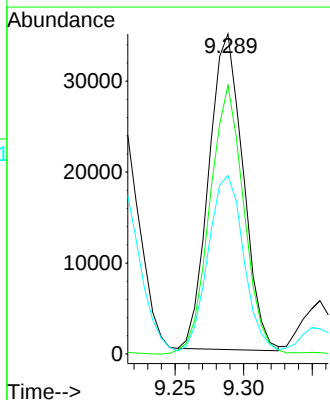
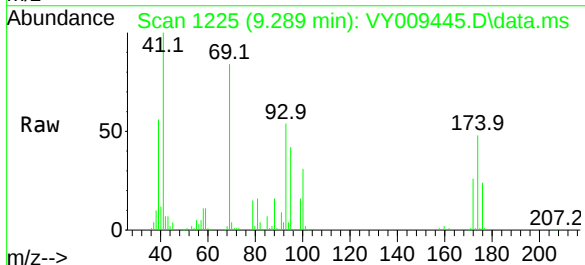
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

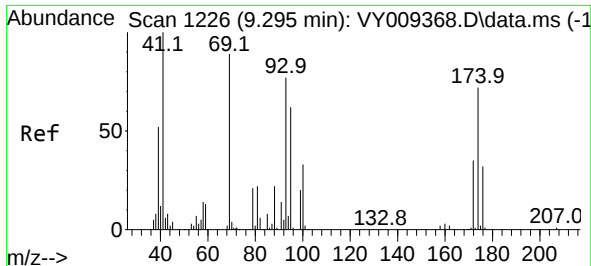
Tgt Ion: 83 Resp: 124008  
Ion Ratio Lower Upper  
83 100  
85 63.8 51.9 77.9  
127 8.6 6.6 10.0



#48  
Methyl methacrylate  
Concen: 51.973 ug/l  
RT: 9.289 min Scan# 1225  
Delta R.T. -0.000 min  
Lab File: VY009445.D  
Acq: 06 Jul 2022 11:17

Tgt Ion: 41 Resp: 60434  
Ion Ratio Lower Upper  
41 100  
69 84.6 58.2 87.2  
39 57.7 47.4 71.0





#49

1,4-Dioxane

Concen: 930.355 ug/l

RT: 9.295 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY009445.D

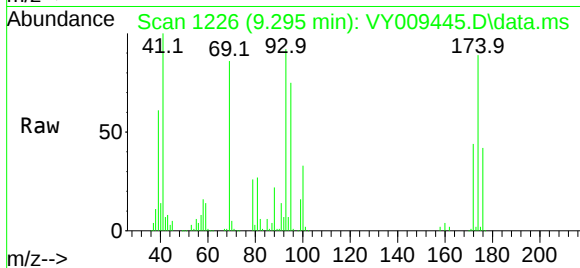
Acq: 06 Jul 2022 11:17

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050



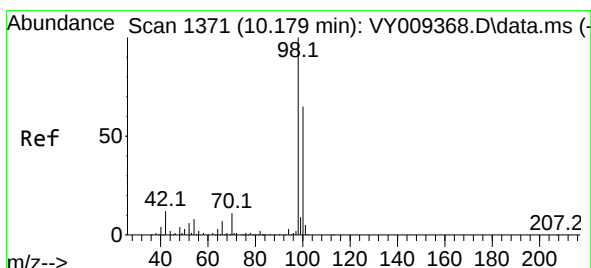
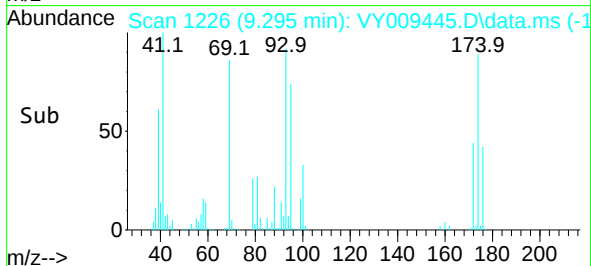
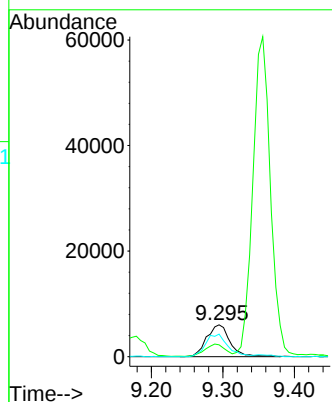
Tgt Ion: 88 Resp: 13634

Ion Ratio Lower Upper

88 100

43 33.5 32.8 49.2

58 67.1 59.8 89.6



#50

Toluene-d8

Concen: 49.175 ug/l

RT: 10.173 min Scan# 1370

Delta R.T. -0.006 min

Lab File: VY009445.D

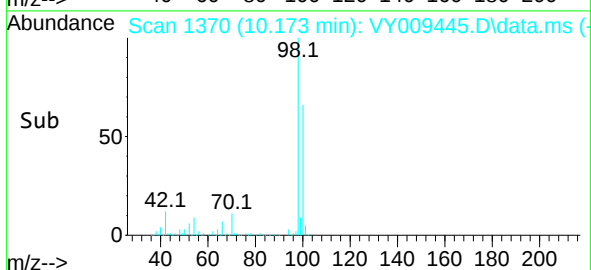
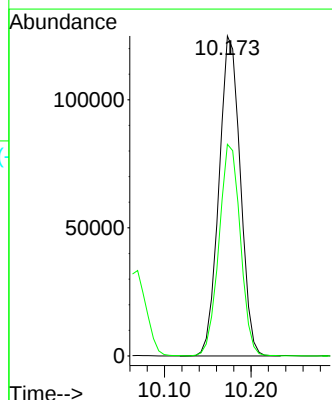
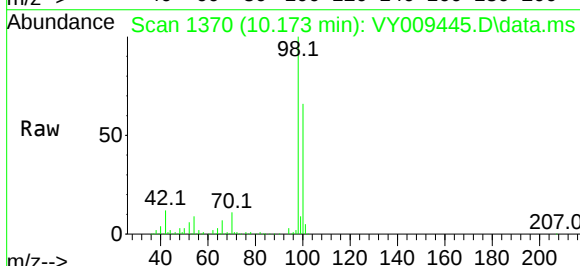
Acq: 06 Jul 2022 11:17

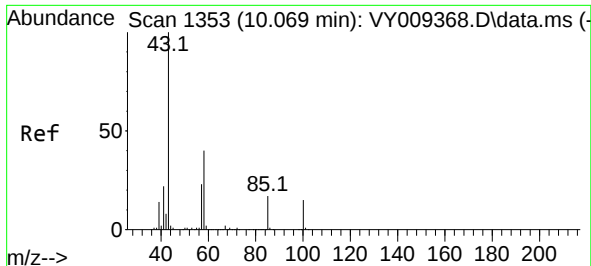
Tgt Ion: 98 Resp: 213619

Ion Ratio Lower Upper

98 100

100 66.4 50.2 75.2

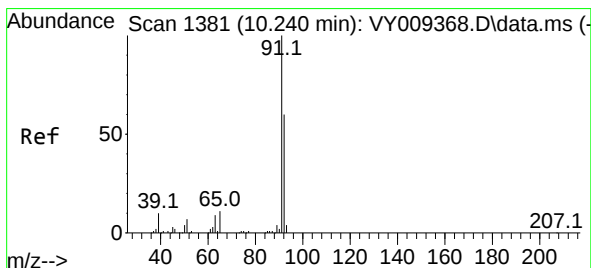
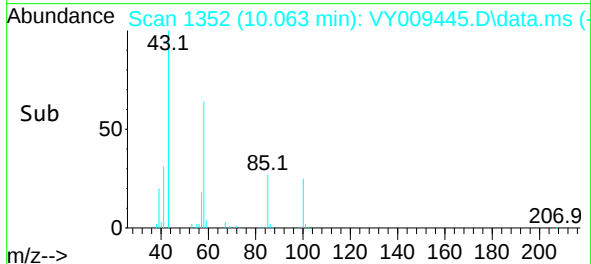
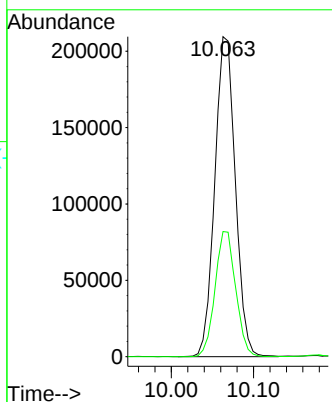
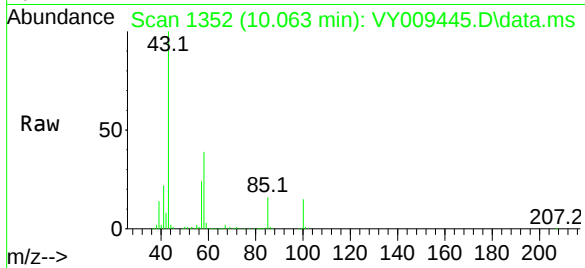




#51  
4-Methyl-2-Pentanone  
Concen: 261.817 ug/l  
RT: 10.063 min Scan# 1352  
Delta R.T. -0.006 min  
Lab File: VY009445.D  
Acq: 06 Jul 2022 11:17

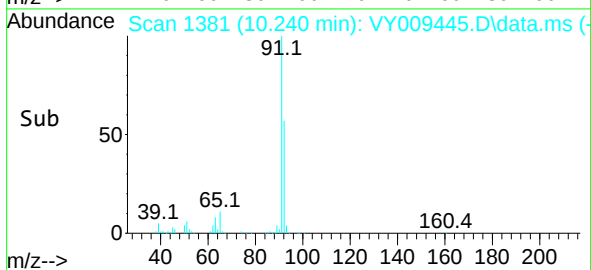
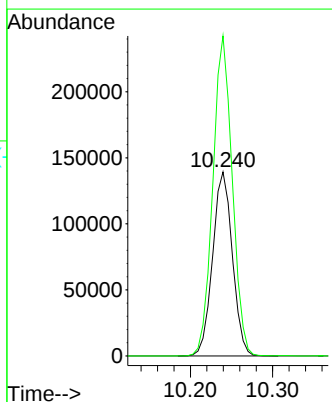
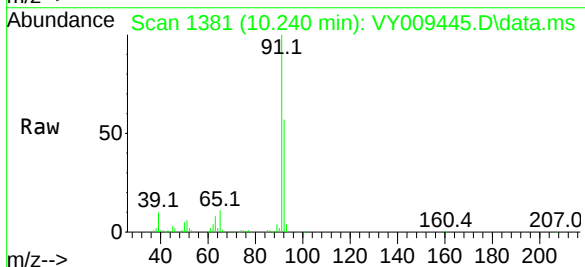
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

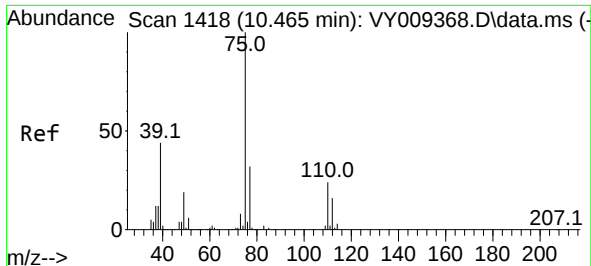
Tgt Ion: 43 Resp: 364113  
Ion Ratio Lower Upper  
43 100  
58 39.3 28.1 42.1



#52  
Toluene  
Concen: 50.719 ug/l  
RT: 10.240 min Scan# 1381  
Delta R.T. -0.000 min  
Lab File: VY009445.D  
Acq: 06 Jul 2022 11:17

Tgt Ion: 92 Resp: 231828  
Ion Ratio Lower Upper  
92 100  
91 171.5 142.6 213.8





#53

t-1,3-Dichloropropene

Concen: 54.647 ug/l

RT: 10.459 min Scan# 1418

Delta R.T. -0.006 min

Lab File: VY009445.D

Acq: 06 Jul 2022 11:17

Instrument :

MSVOA\_Y

ClientSampleId :

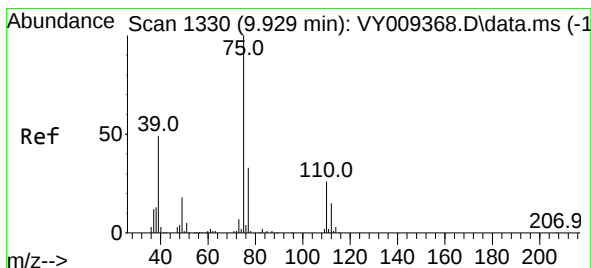
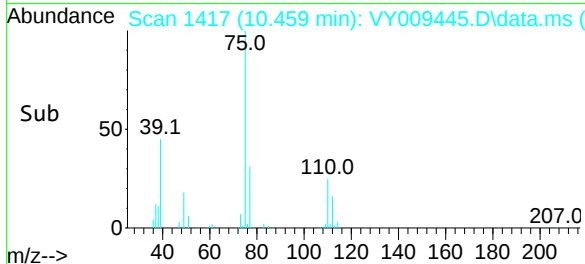
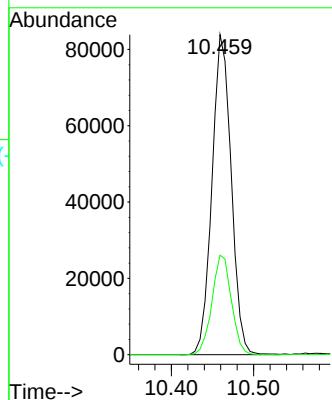
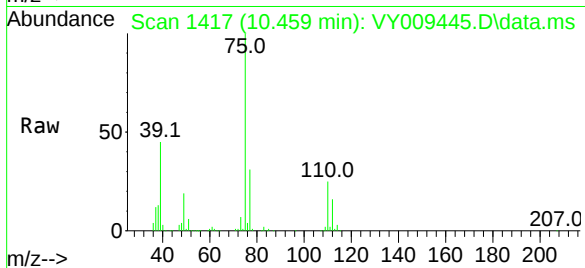
VSTDCCC050

Tgt Ion: 75 Resp: 136096

Ion Ratio Lower Upper

75 100

77 31.1 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 50.083 ug/l

RT: 9.923 min Scan# 1329

Delta R.T. -0.000 min

Lab File: VY009445.D

Acq: 06 Jul 2022 11:17

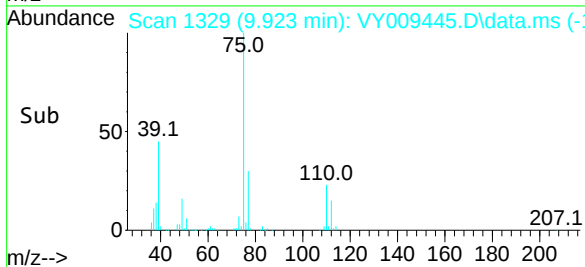
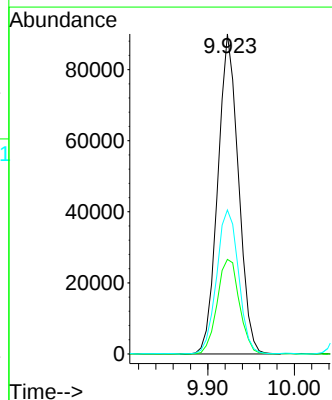
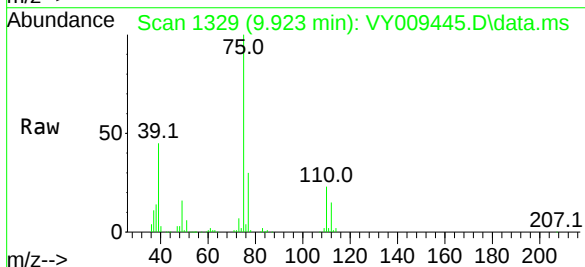
Tgt Ion: 75 Resp: 148925

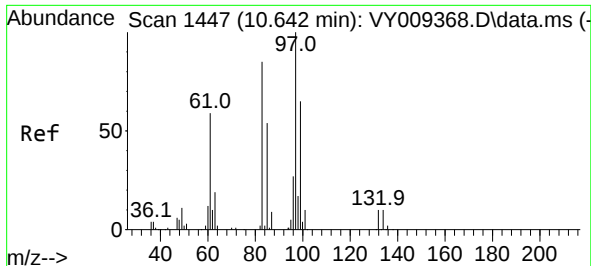
Ion Ratio Lower Upper

75 100

77 29.6 25.6 38.4

39 45.0 47.6 71.4#

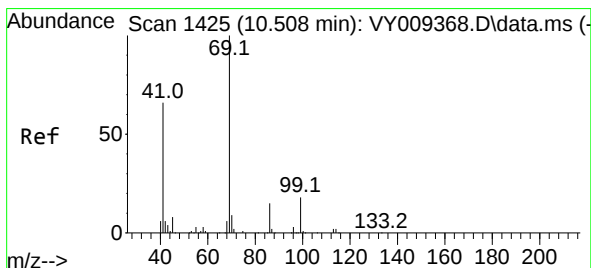
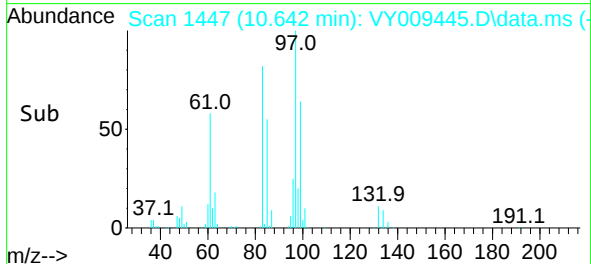
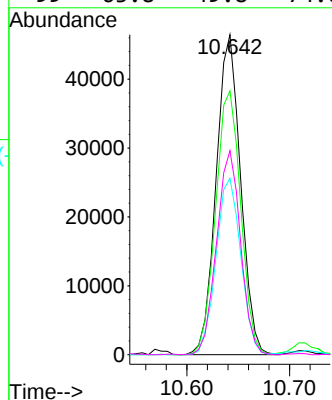
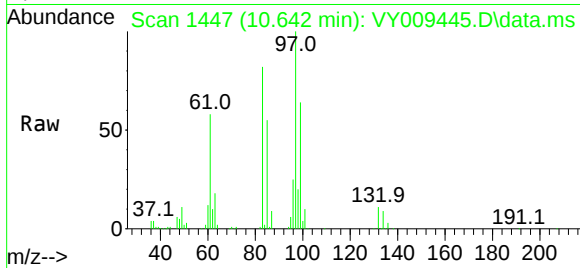




#55  
1,1,2-Trichloroethane  
Concen: 54.888 ug/l  
RT: 10.642 min Scan# 1447  
Delta R.T. 0.000 min  
Lab File: VY009445.D  
Acq: 06 Jul 2022 11:17

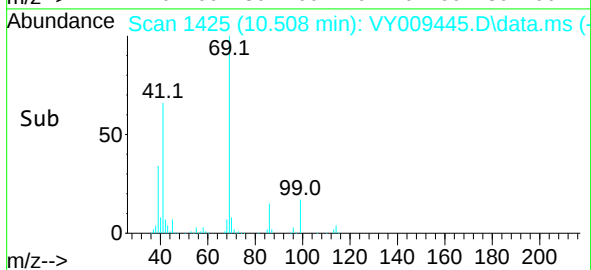
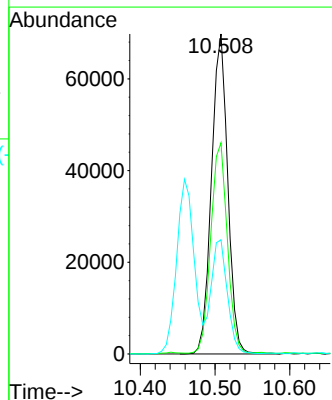
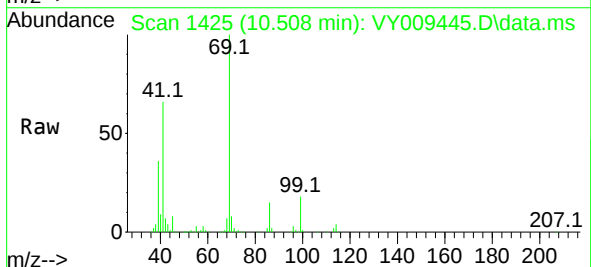
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

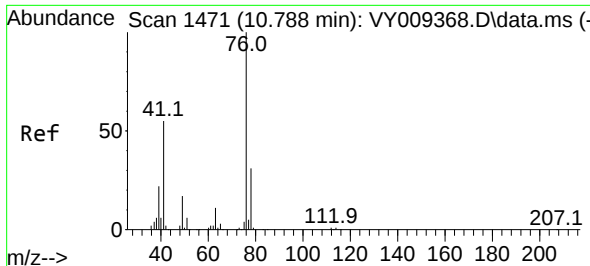
|             |             |
|-------------|-------------|
| Tgt Ion: 97 | Resp: 76772 |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 83 82.4     | 69.8 104.8  |
| 85 55.1     | 44.3 66.5   |
| 99 63.8     | 49.8 74.6   |



#56  
Ethyl methacrylate  
Concen: 59.104 ug/l  
RT: 10.508 min Scan# 1425  
Delta R.T. -0.000 min  
Lab File: VY009445.D  
Acq: 06 Jul 2022 11:17

|             |              |
|-------------|--------------|
| Tgt Ion: 69 | Resp: 105520 |
| Ion Ratio   | Lower Upper  |
| 69 100      |              |
| 41 66.7     | 63.4 95.0    |
| 39 35.8     | 35.8 53.8#   |





#57

1,3-Dichloropropane

Concen: 51.108 ug/l

RT: 10.788 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VY009445.D

Acq: 06 Jul 2022 11:17

Instrument :

MSVOA\_Y

ClientSampleId :

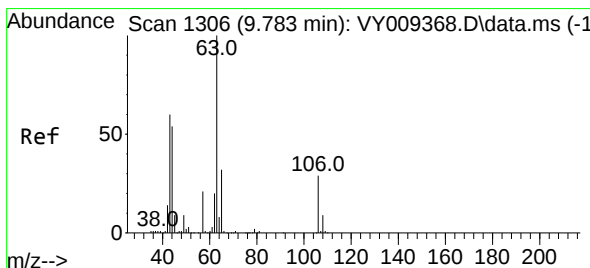
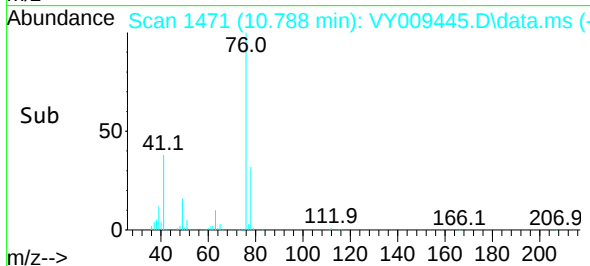
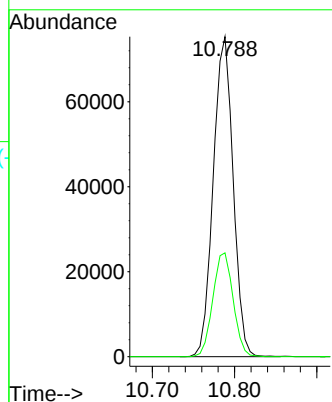
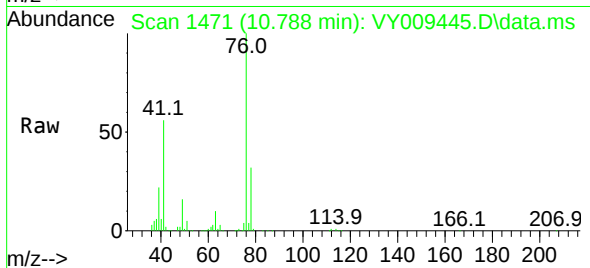
VSTDCCC050

Tgt Ion: 76 Resp: 126637

Ion Ratio Lower Upper

76 100

78 33.1 25.0 37.6



#58

2-Chloroethyl Vinyl ether

Concen: 277.298 ug/l

RT: 9.776 min Scan# 1305

Delta R.T. 0.000 min

Lab File: VY009445.D

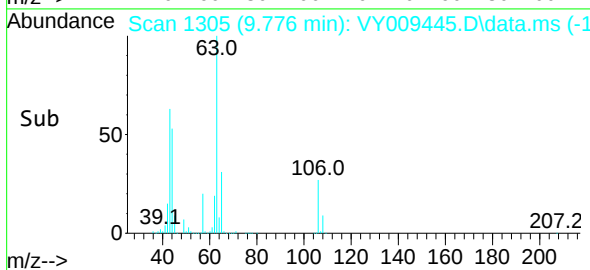
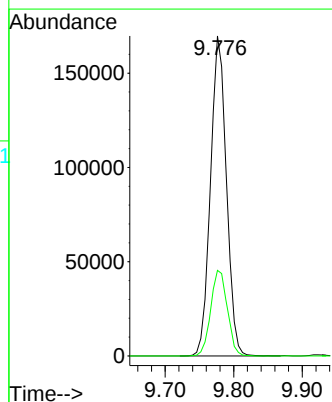
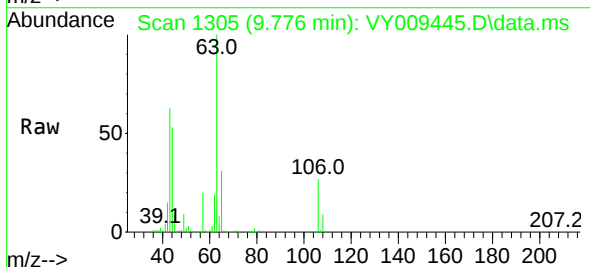
Acq: 06 Jul 2022 11:17

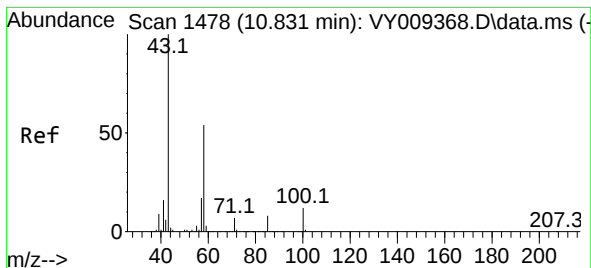
Tgt Ion: 63 Resp: 274107

Ion Ratio Lower Upper

63 100

106 27.8 21.5 32.3

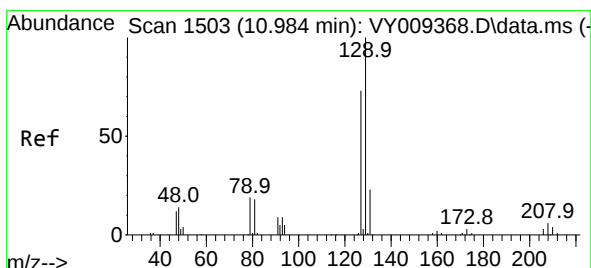
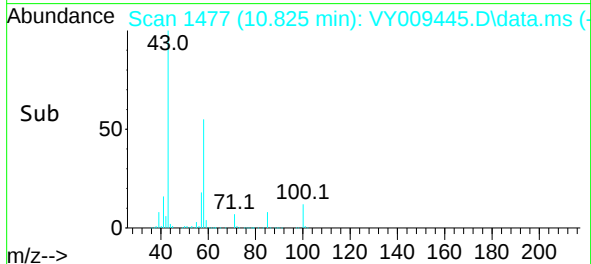
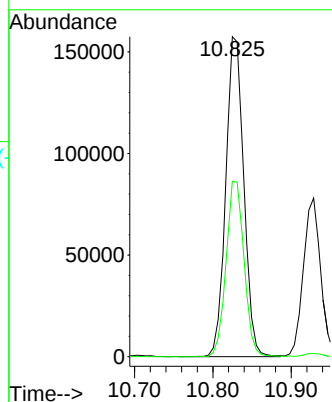
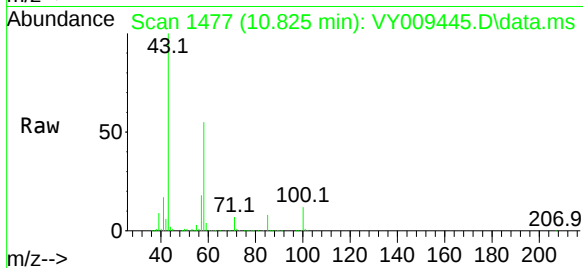




#59  
2-Hexanone  
Concen: 262.241 ug/l  
RT: 10.825 min Scan# 1477  
Delta R.T. -0.006 min  
Lab File: VY009445.D  
Acq: 06 Jul 2022 11:17

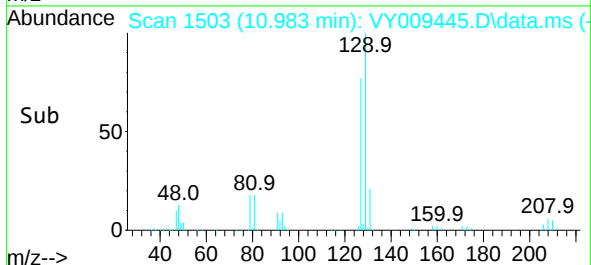
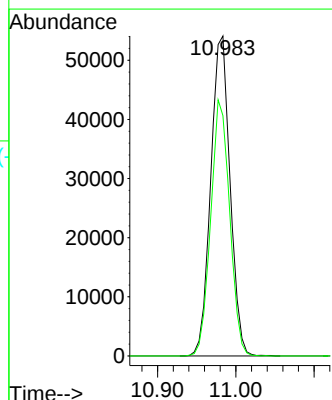
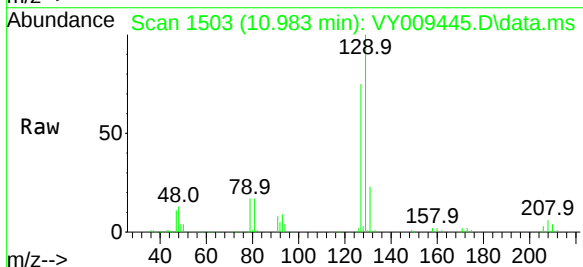
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

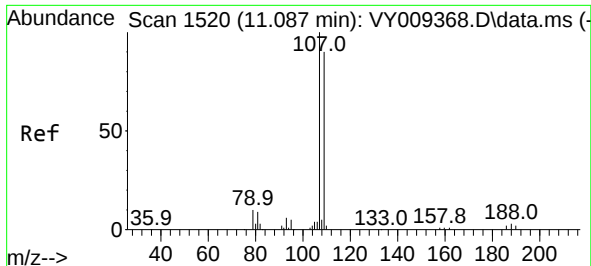
Tgt Ion: 43 Resp: 251932  
Ion Ratio Lower Upper  
43 100  
58 54.8 24.4 73.4



#60  
Dibromochloromethane  
Concen: 52.310 ug/l  
RT: 10.983 min Scan# 1503  
Delta R.T. -0.001 min  
Lab File: VY009445.D  
Acq: 06 Jul 2022 11:17

Tgt Ion: 129 Resp: 92594  
Ion Ratio Lower Upper  
129 100  
127 78.5 38.7 116.1

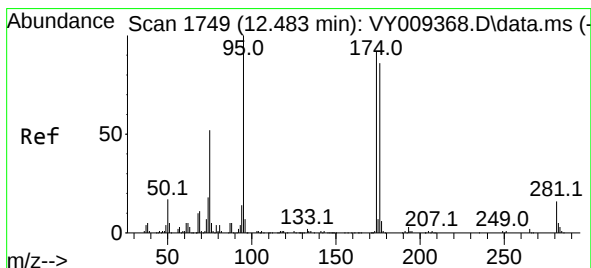
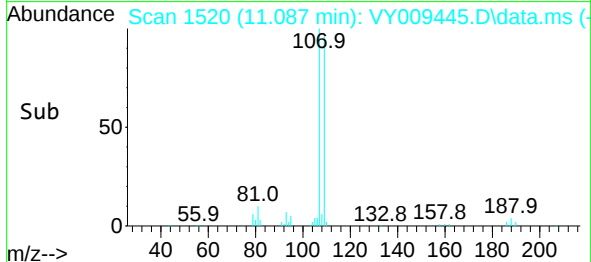
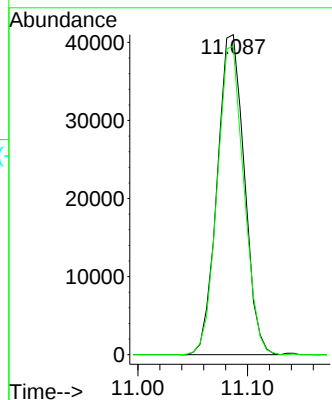
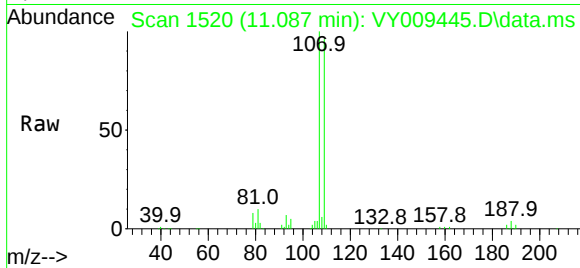




#61  
1,2-Dibromoethane  
Concen: 50.189 ug/l  
RT: 11.087 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY009445.D  
Acq: 06 Jul 2022 11:17

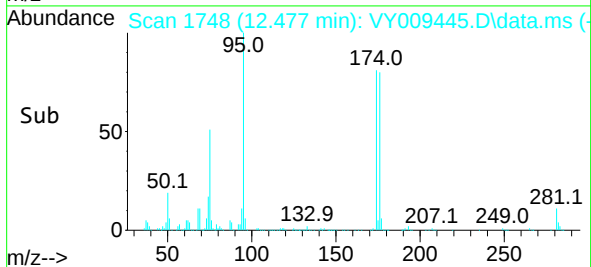
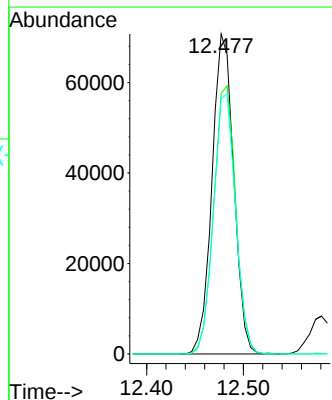
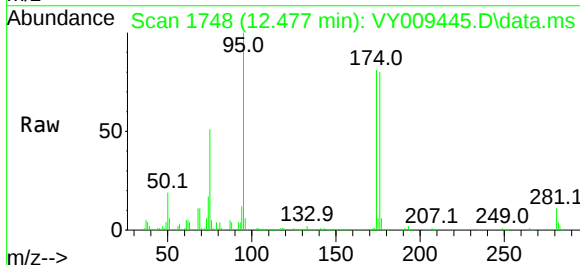
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

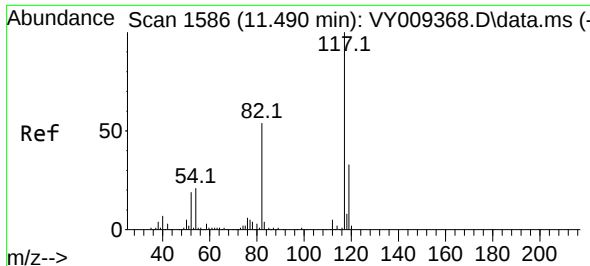
Tgt Ion:107 Resp: 70478  
Ion Ratio Lower Upper  
107 100  
109 94.8 75.4 113.2



#62  
4-Bromofluorobenzene  
Concen: 53.447 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.000 min  
Lab File: VY009445.D  
Acq: 06 Jul 2022 11:17

Tgt Ion: 95 Resp: 110114  
Ion Ratio Lower Upper  
95 100  
174 85.5 0.0 177.0  
176 82.5 0.0 175.8

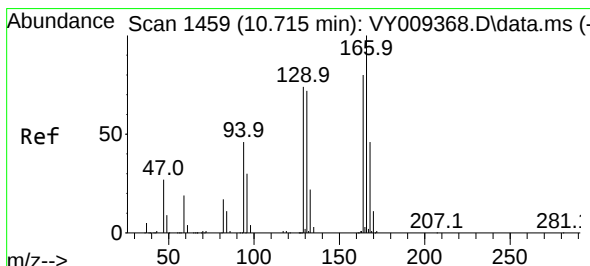
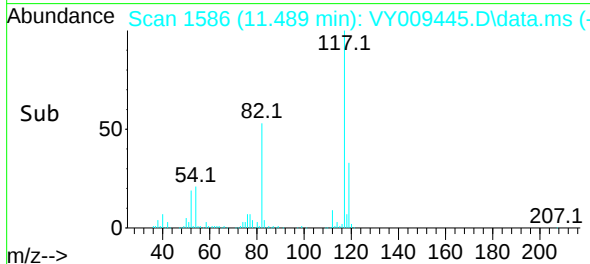
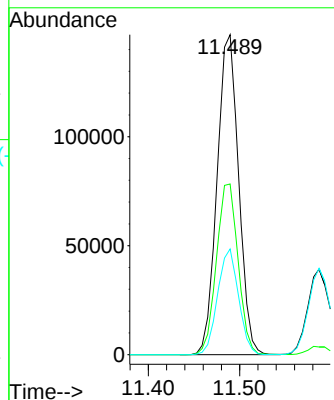
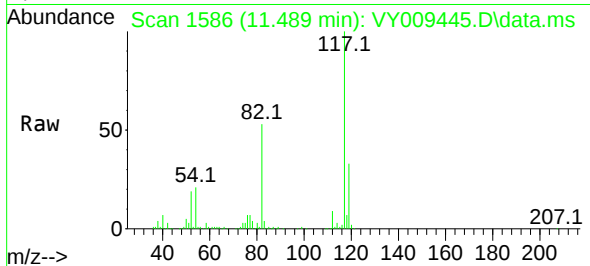




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 11  
Delta R.T. -0.001 min  
Lab File: VY009445.D  
Acq: 06 Jul 2022 11:17

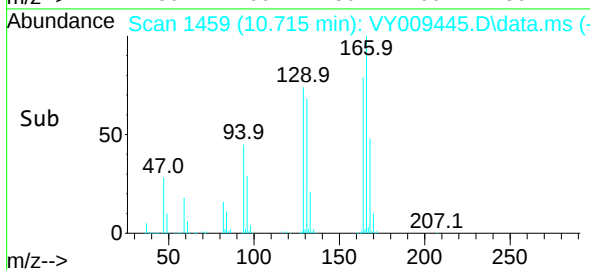
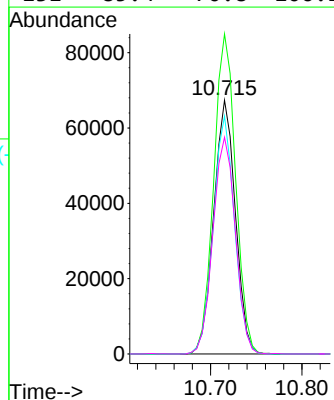
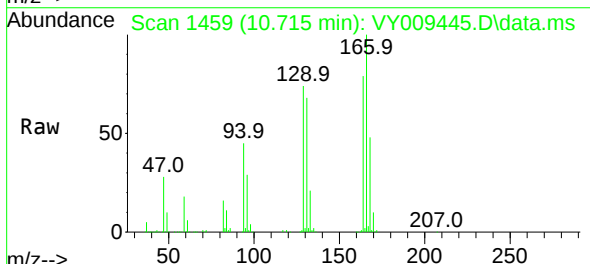
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

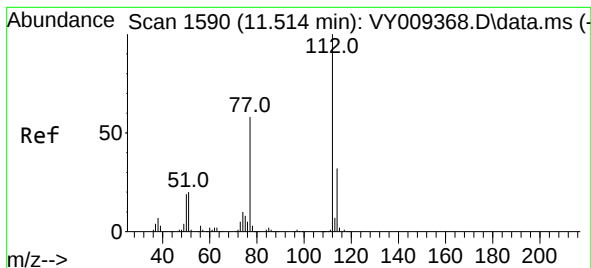
Tgt Ion:117 Resp: 240928  
Ion Ratio Lower Upper  
117 100  
82 53.3 43.0 64.4  
119 33.1 25.4 38.0



#64  
Tetrachloroethene  
Concen: 49.581 ug/l  
RT: 10.715 min Scan# 1459  
Delta R.T. 0.000 min  
Lab File: VY009445.D  
Acq: 06 Jul 2022 11:17

Tgt Ion:164 Resp: 111211  
Ion Ratio Lower Upper  
164 100  
166 126.1 100.4 150.6  
129 93.7 71.4 107.0  
131 85.4 70.8 106.2





#65

Chlorobenzene

Concen: 49.465 ug/l

RT: 11.514 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY009445.D

Acq: 06 Jul 2022 11:17

Instrument :

MSVOA\_Y

ClientSampleId :

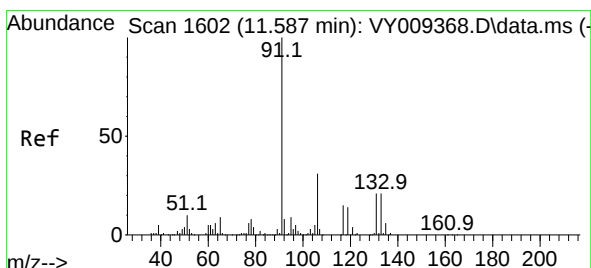
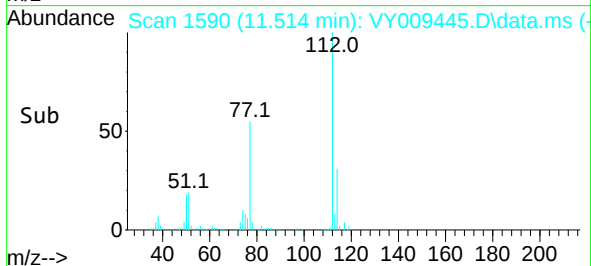
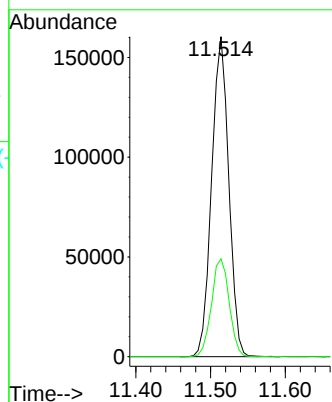
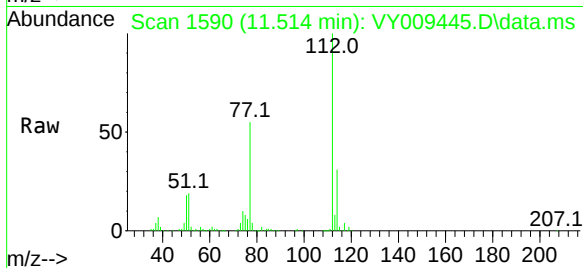
VSTDCCC050

Tgt Ion:112 Resp: 254998

Ion Ratio Lower Upper

112 100

114 30.6 25.8 38.6



#66

1,1,1,2-Tetrachloroethane

Concen: 51.241 ug/l

RT: 11.587 min Scan# 1602

Delta R.T. -0.000 min

Lab File: VY009445.D

Acq: 06 Jul 2022 11:17

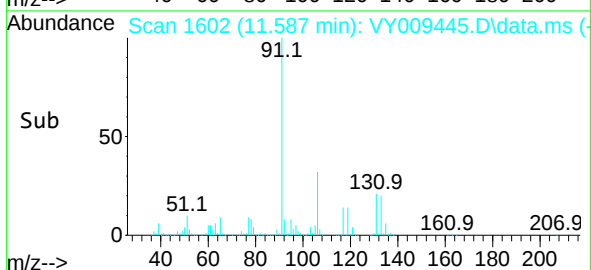
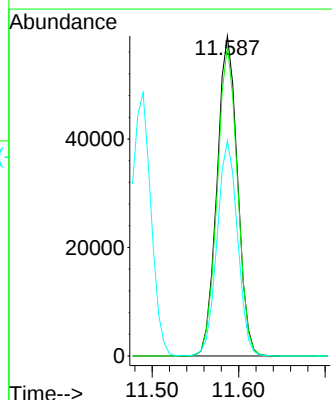
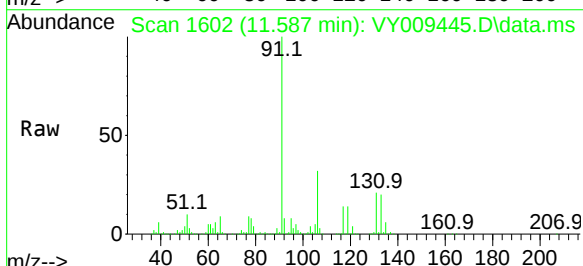
Tgt Ion:131 Resp: 96894

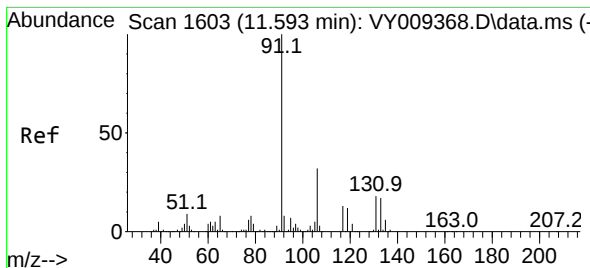
Ion Ratio Lower Upper

131 100

133 95.4 47.9 143.6

119 67.1 30.8 92.3





#67

Ethyl Benzene

Concen: 50.840 ug/l

RT: 11.587 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY009445.D

Acq: 06 Jul 2022 11:17

Instrument :

MSVOA\_Y

ClientSampleId :

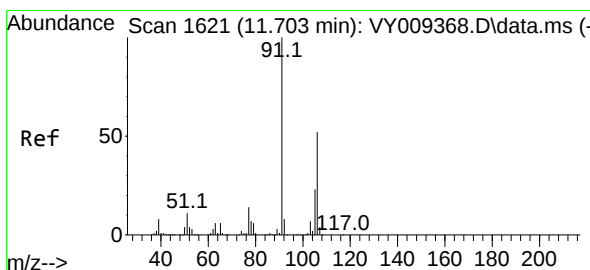
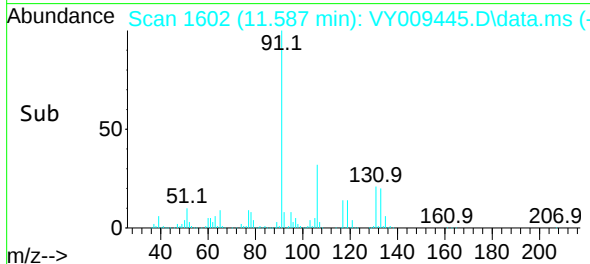
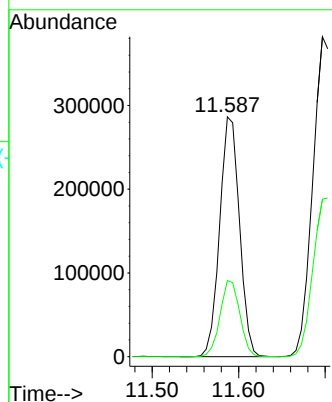
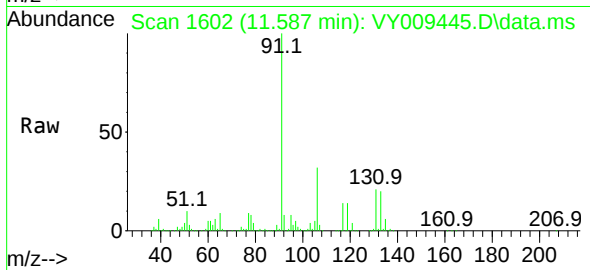
VSTDCCC050

Tgt Ion: 91 Resp: 454663

Ion Ratio Lower Upper

91 100

106 31.8 24.5 36.7



#68

m/p-Xylenes

Concen: 99.211 ug/l

RT: 11.703 min Scan# 1621

Delta R.T. 0.006 min

Lab File: VY009445.D

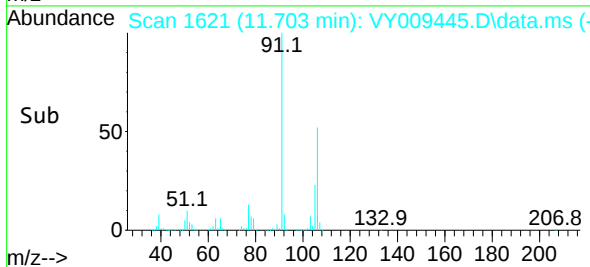
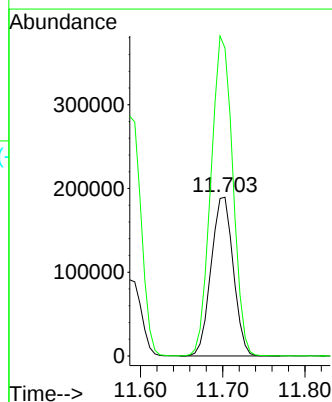
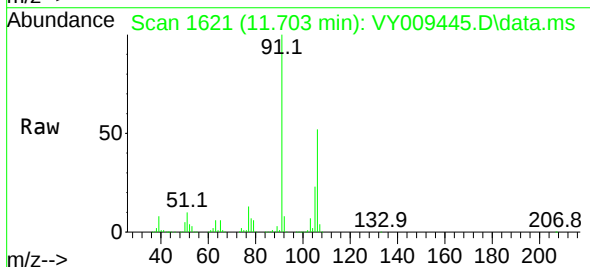
Acq: 06 Jul 2022 11:17

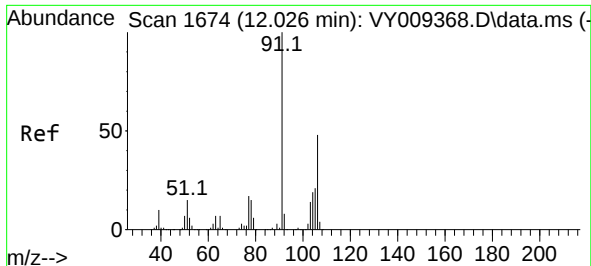
Tgt Ion:106 Resp: 354777

Ion Ratio Lower Upper

106 100

91 199.1 166.6 249.8

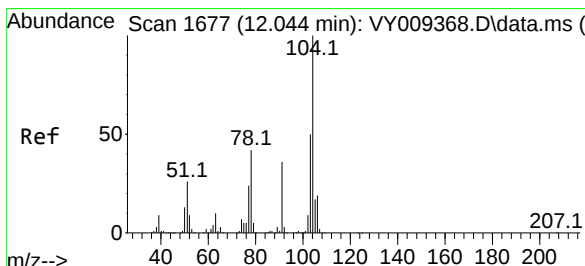
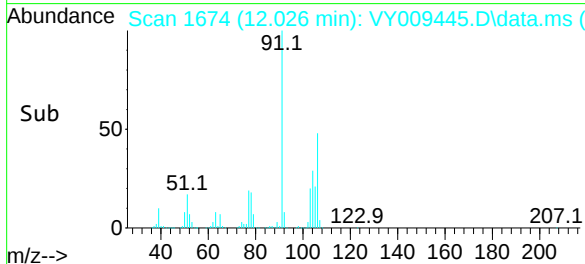
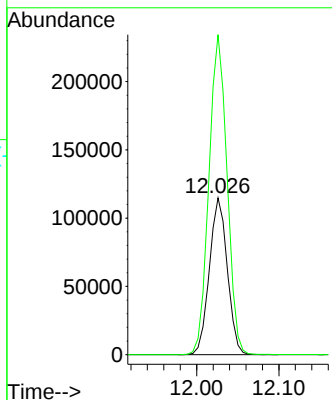
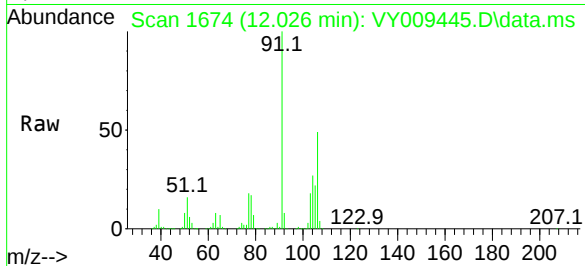




#69  
o-Xylene  
Concen: 51.512 ug/l  
RT: 12.026 min Scan# 1674  
Delta R.T. -0.000 min  
Lab File: VY009445.D  
Acq: 06 Jul 2022 11:17

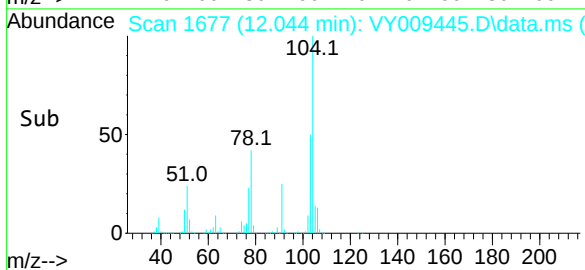
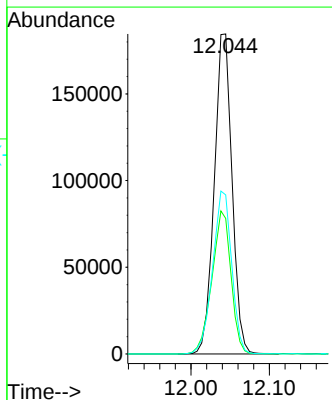
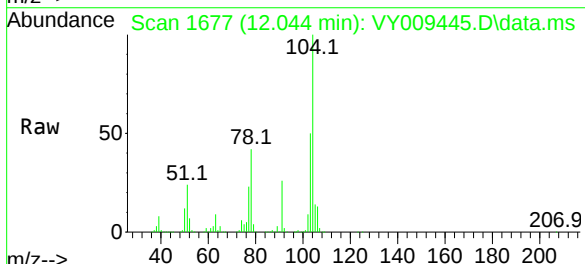
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

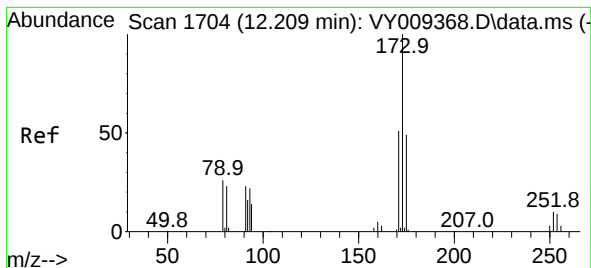
Tgt Ion:106 Resp: 173838  
Ion Ratio Lower Upper  
106 100  
91 206.6 110.3 331.0



#70  
Styrene  
Concen: 52.220 ug/l  
RT: 12.044 min Scan# 1677  
Delta R.T. 0.000 min  
Lab File: VY009445.D  
Acq: 06 Jul 2022 11:17

Tgt Ion:104 Resp: 291981  
Ion Ratio Lower Upper  
104 100  
78 47.9 42.4 63.6  
103 54.7 44.4 66.6





#71

Bromoform

Concen: 51.694 ug/l

RT: 12.203 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY009445.D

Acq: 06 Jul 2022 11:17

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

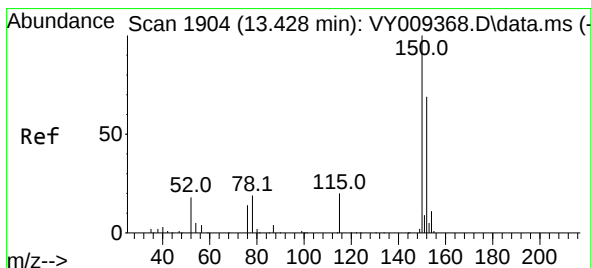
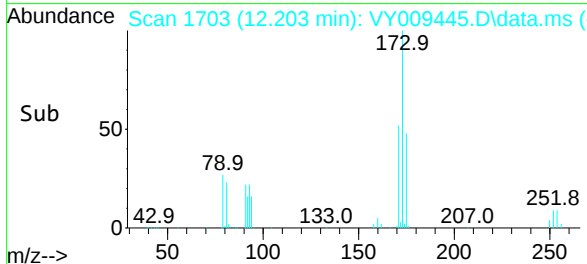
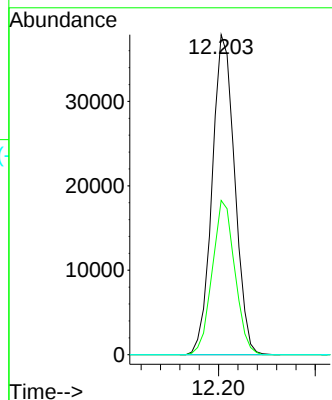
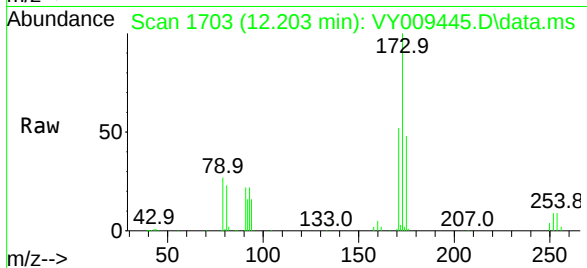
Tgt Ion:173 Resp: 61421

Ion Ratio Lower Upper

173 100

175 48.3 24.6 74.0

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY009445.D

Acq: 06 Jul 2022 11:17

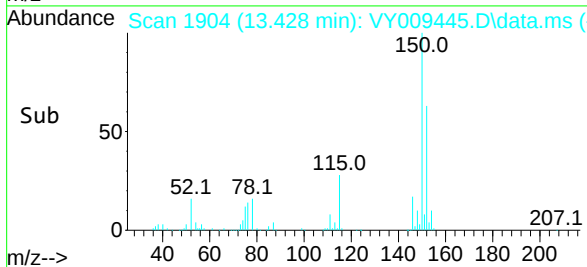
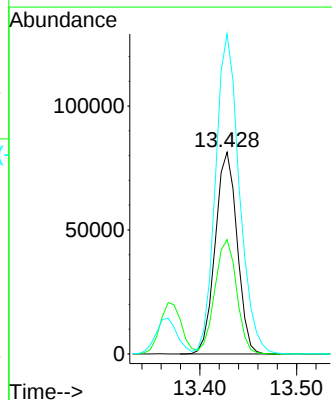
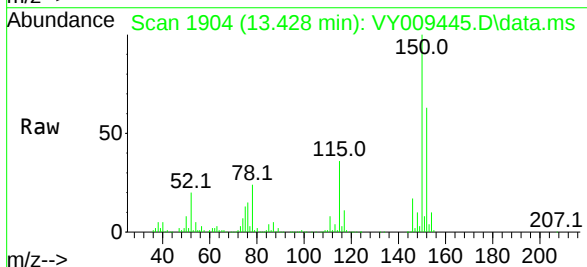
Tgt Ion:152 Resp: 127777

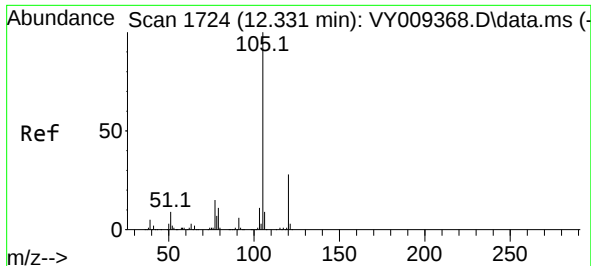
Ion Ratio Lower Upper

152 100

115 56.4 28.2 84.7

150 172.9 0.0 347.6

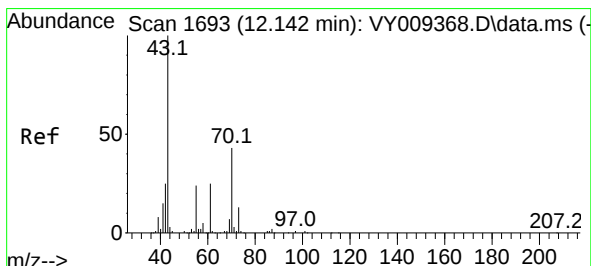
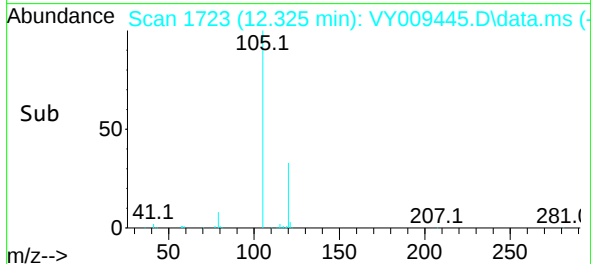
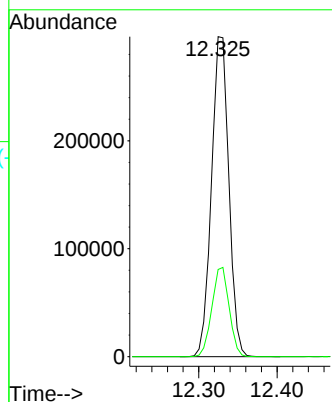
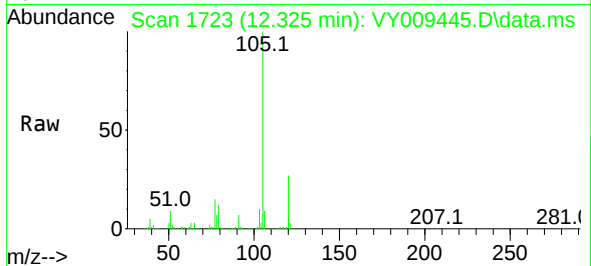




#73  
Isopropylbenzene  
Concen: 48.238 ug/l  
RT: 12.325 min Scan# 1723  
Delta R.T. -0.000 min  
Lab File: VY009445.D  
Acq: 06 Jul 2022 11:17

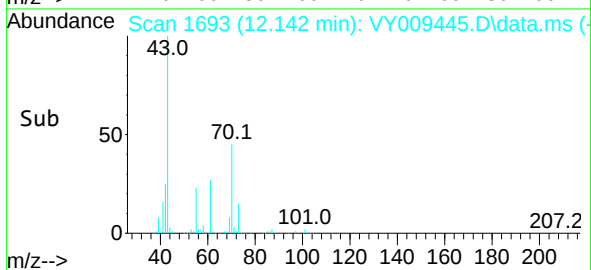
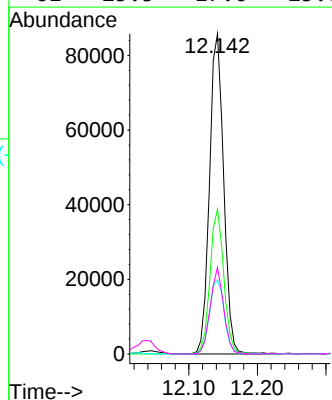
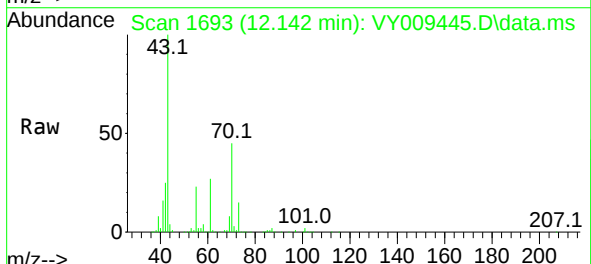
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

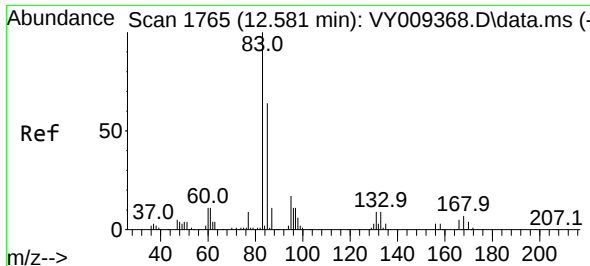
Tgt Ion:105 Resp: 455262  
Ion Ratio Lower Upper  
105 100  
120 27.8 13.4 40.2



#74  
N-ethyl acetate  
Concen: 49.907 ug/l  
RT: 12.142 min Scan# 1693  
Delta R.T. -0.000 min  
Lab File: VY009445.D  
Acq: 06 Jul 2022 11:17

Tgt Ion: 43 Resp: 123552  
Ion Ratio Lower Upper  
43 100  
70 44.1 28.7 43.1#  
55 24.3 17.3 25.9  
61 25.5 17.0 25.6

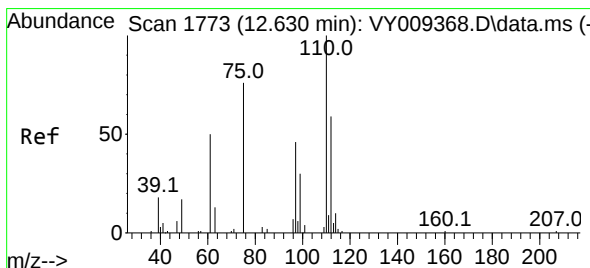
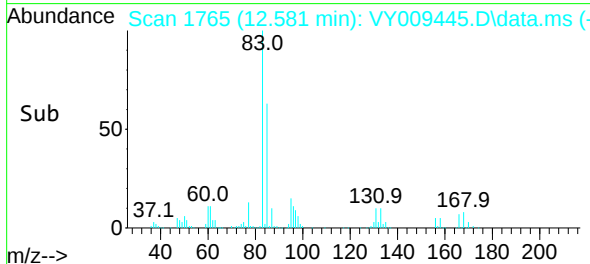
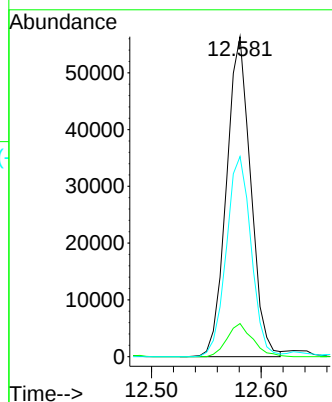
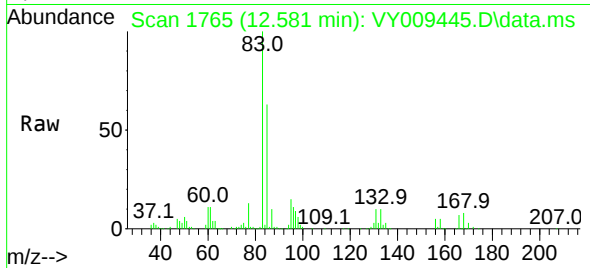




#75  
 1,1,2,2-Tetrachloroethane  
 Concen: 47.366 ug/l  
 RT: 12.581 min Scan# 1765  
 Delta R.T. -0.000 min  
 Lab File: VY009445.D  
 Acq: 06 Jul 2022 11:17

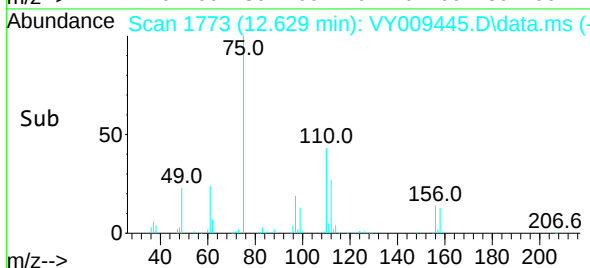
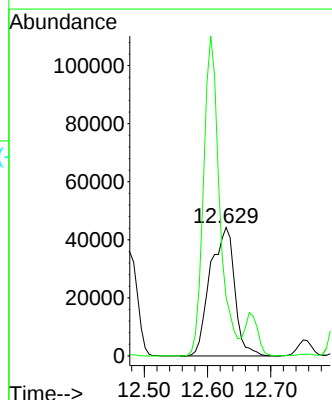
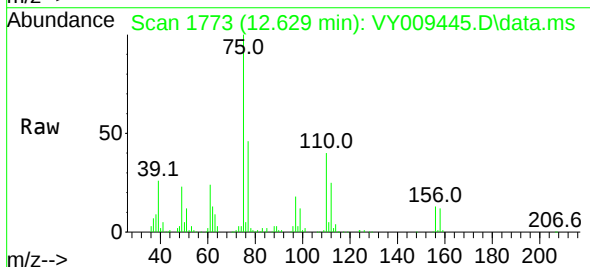
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

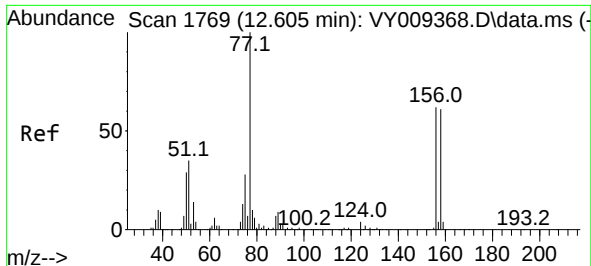
Tgt Ion: 83 Resp: 86594  
 Ion Ratio Lower Upper  
 83 100  
 131 11.0 5.6 16.8  
 85 64.0 32.3 96.8



#76  
 1,2,3-Trichloropropane  
 Concen: 79.469 ug/l  
 RT: 12.629 min Scan# 1773  
 Delta R.T. -0.001 min  
 Lab File: VY009445.D  
 Acq: 06 Jul 2022 11:17

Tgt Ion: 75 Resp: 118915  
 Ion Ratio Lower Upper  
 75 100  
 77 0.0 0.0 0.0

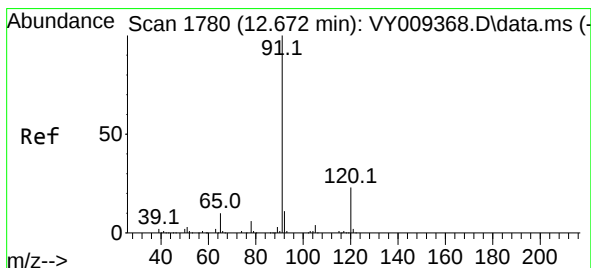
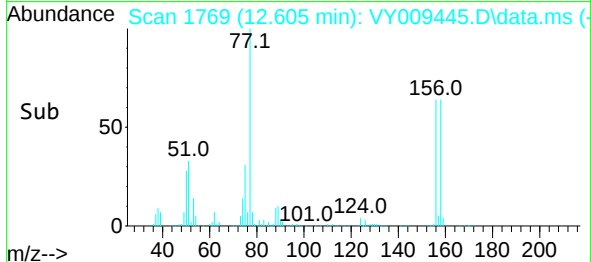
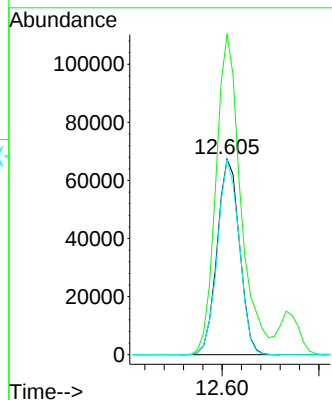
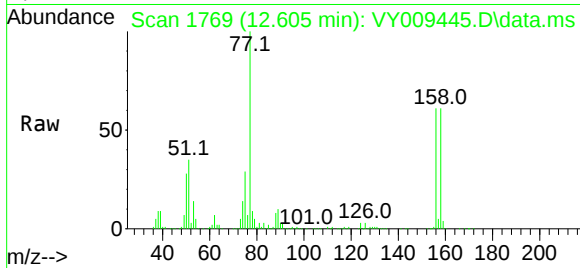




#77  
Bromobenzene  
Concen: 48.012 ug/l  
RT: 12.605 min Scan# 1769  
Delta R.T. 0.000 min  
Lab File: VY009445.D  
Acq: 06 Jul 2022 11:17

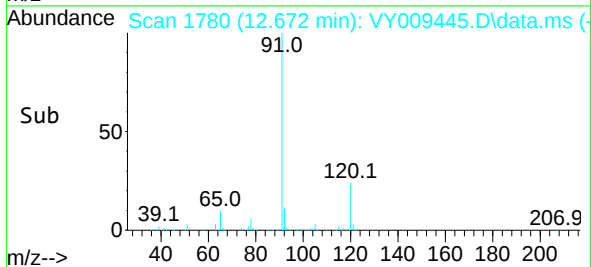
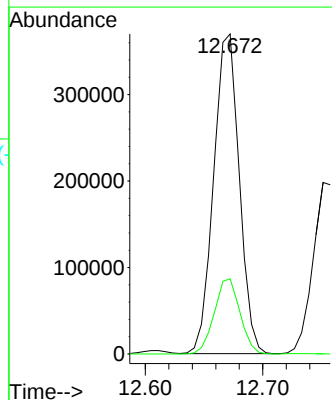
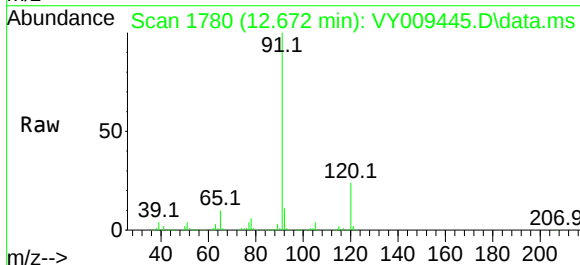
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

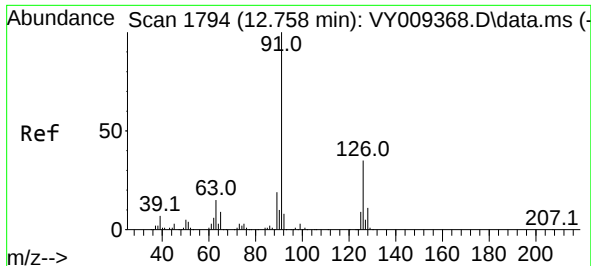
Tgt Ion:156 Resp: 108018  
Ion Ratio Lower Upper  
156 100  
77 180.9 95.5 286.4  
158 97.5 48.0 144.0



#78  
n-propylbenzene  
Concen: 48.747 ug/l  
RT: 12.672 min Scan# 1780  
Delta R.T. 0.000 min  
Lab File: VY009445.D  
Acq: 06 Jul 2022 11:17

Tgt Ion: 91 Resp: 559648  
Ion Ratio Lower Upper  
91 100  
120 23.6 11.3 33.9

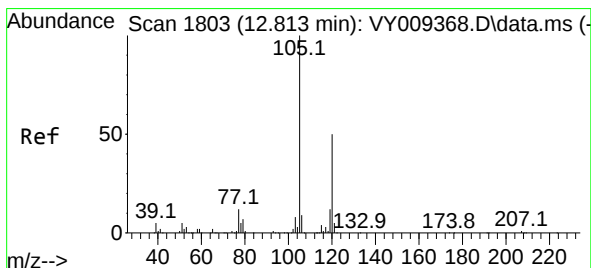
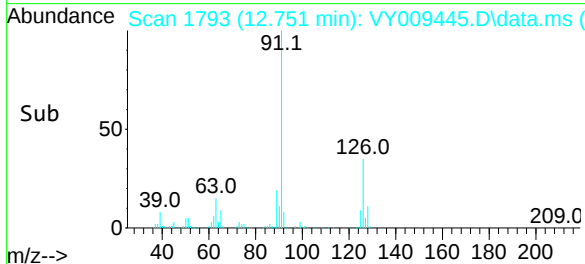
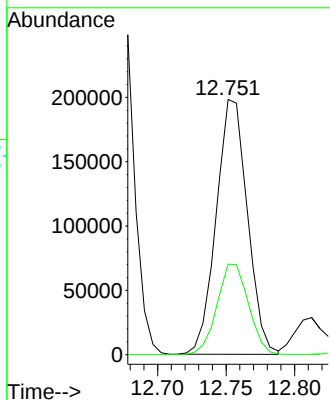
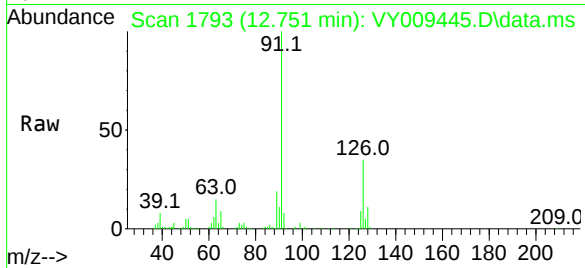




#79  
2-Chlorotoluene  
Concen: 48.536 ug/l  
RT: 12.751 min Scan# 1793  
Delta R.T. -0.001 min  
Lab File: VY009445.D  
Acq: 06 Jul 2022 11:17

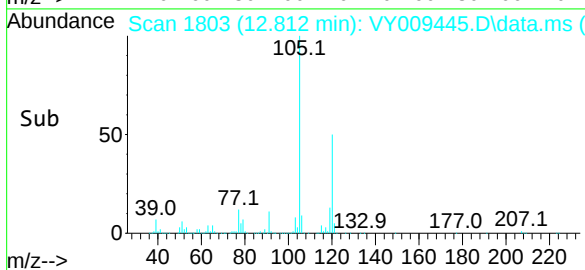
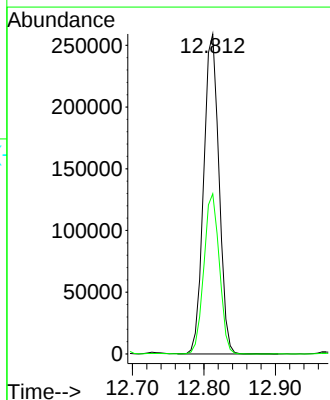
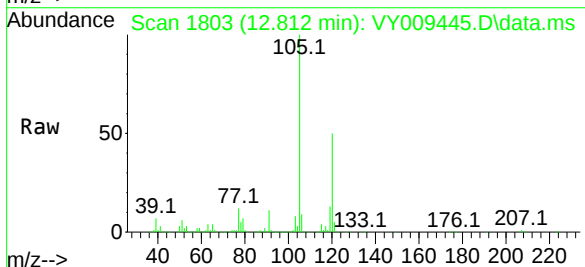
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

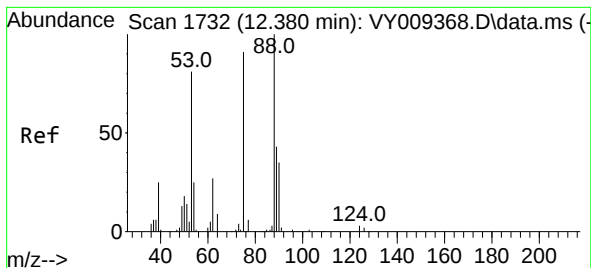
Tgt Ion: 91 Resp: 314526  
Ion Ratio Lower Upper  
91 100  
126 35.9 16.9 50.6



#80  
1,3,5-Trimethylbenzene  
Concen: 48.834 ug/l  
RT: 12.812 min Scan# 1803  
Delta R.T. 0.000 min  
Lab File: VY009445.D  
Acq: 06 Jul 2022 11:17

Tgt Ion: 105 Resp: 385425  
Ion Ratio Lower Upper  
105 100  
120 50.6 24.4 73.4

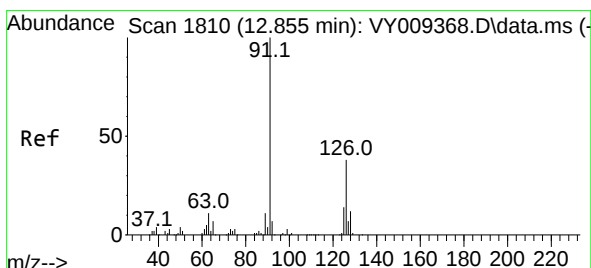
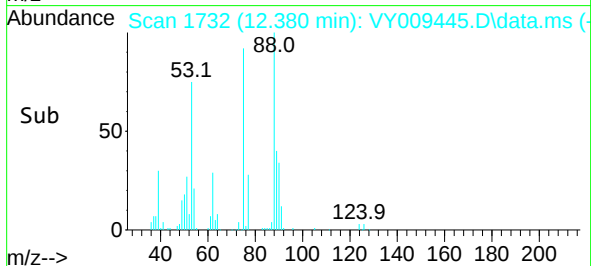
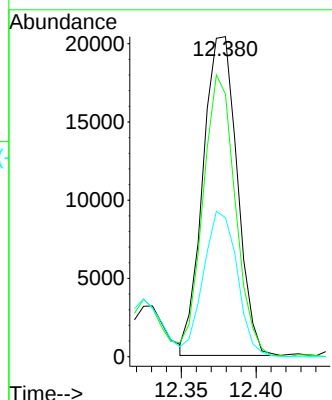
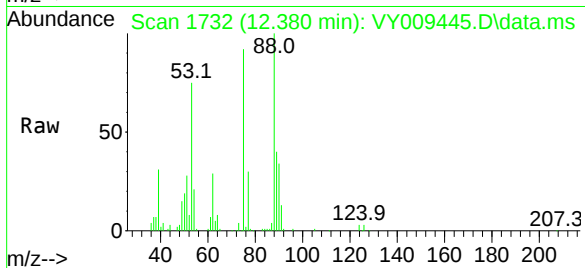




#81  
trans-1,4-Dichloro-2-butene  
Concen: 48.258 ug/l  
RT: 12.380 min Scan# 1732  
Delta R.T. 0.005 min  
Lab File: VY009445.D  
Acq: 06 Jul 2022 11:17

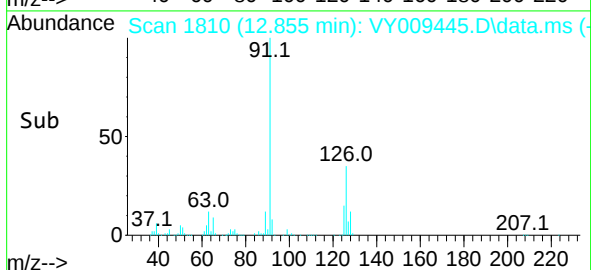
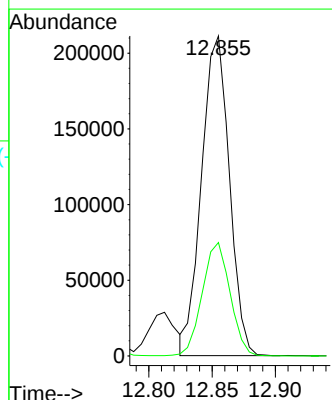
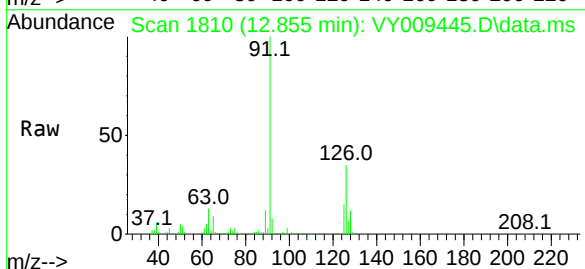
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

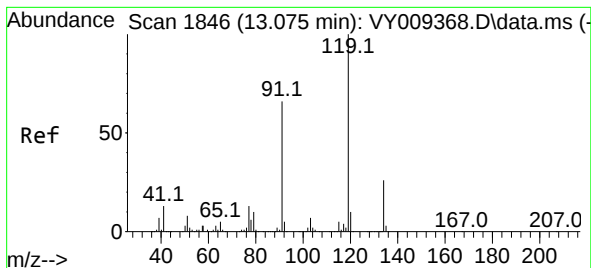
Tgt Ion: 75 Resp: 32433  
Ion Ratio Lower Upper  
75 100  
53 83.5 85.3 127.9#  
89 45.2 37.0 55.4



#82  
4-Chlorotoluene  
Concen: 48.030 ug/l  
RT: 12.855 min Scan# 1810  
Delta R.T. 0.000 min  
Lab File: VY009445.D  
Acq: 06 Jul 2022 11:17

Tgt Ion: 91 Resp: 323448  
Ion Ratio Lower Upper  
91 100  
126 35.5 17.0 51.0

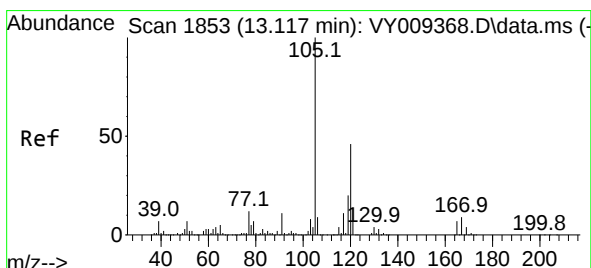
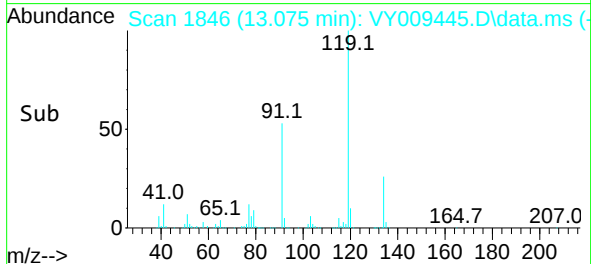
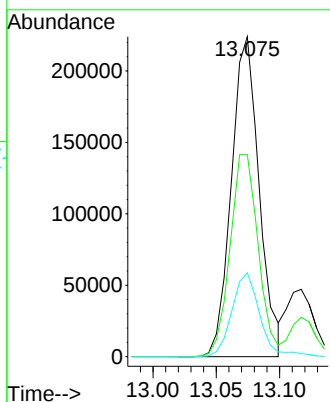
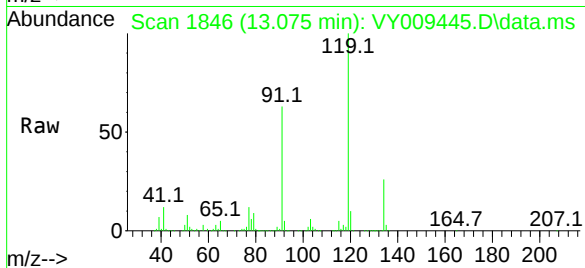




#83  
tert-Butylbenzene  
Concen: 51.650 ug/l  
RT: 13.075 min Scan# 119  
Delta R.T. -0.000 min  
Lab File: VY009445.D  
Acq: 06 Jul 2022 11:17

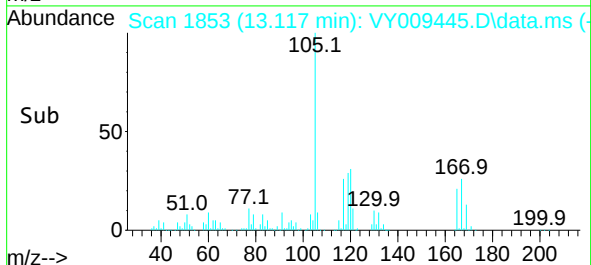
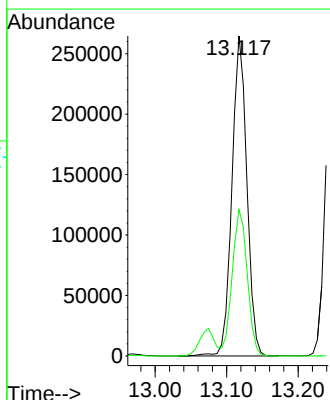
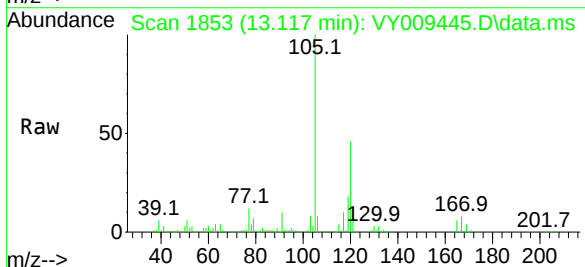
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

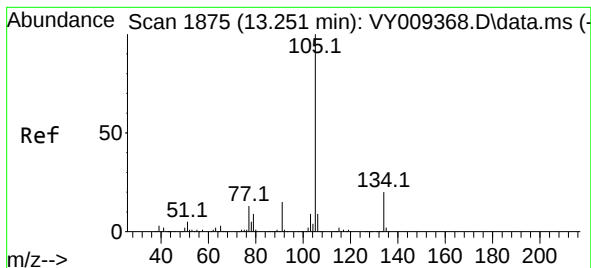
Tgt Ion:119 Resp: 342498  
Ion Ratio Lower Upper  
119 100  
91 63.9 34.8 104.4  
134 26.3 13.3 39.9



#84  
1,2,4-Trimethylbenzene  
Concen: 50.965 ug/l  
RT: 13.117 min Scan# 1853  
Delta R.T. 0.000 min  
Lab File: VY009445.D  
Acq: 06 Jul 2022 11:17

Tgt Ion:105 Resp: 382241  
Ion Ratio Lower Upper  
105 100  
120 46.1 22.3 66.9





#85

sec-Butylbenzene

Concen: 51.333 ug/l

RT: 13.251 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VY009445.D

Acq: 06 Jul 2022 11:17

Instrument :

MSVOA\_Y

ClientSampleId :

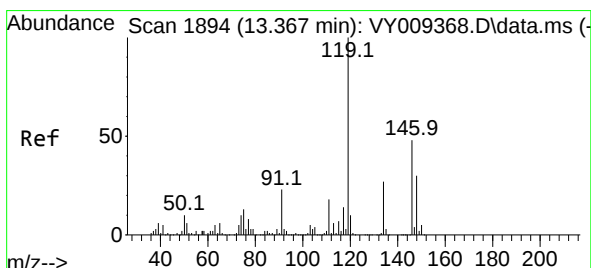
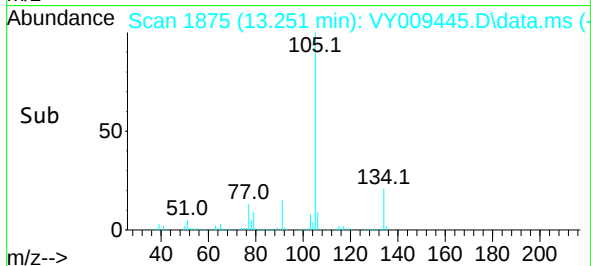
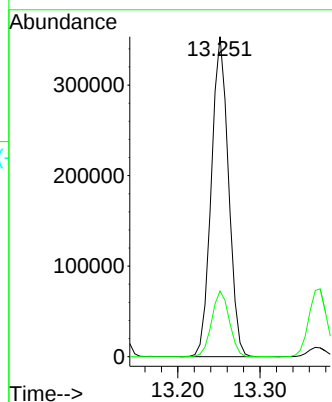
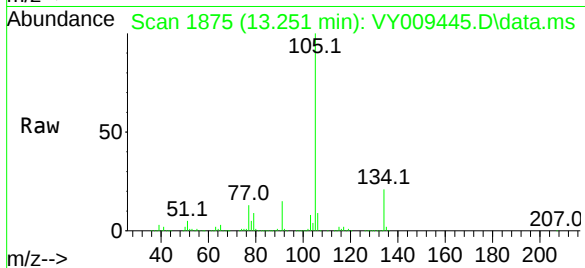
VSTDCCC050

Tgt Ion:105 Resp: 512689

Ion Ratio Lower Upper

105 100

134 21.0 10.2 30.4



#86

p-Isopropyltoluene

Concen: 50.490 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. 0.000 min

Lab File: VY009445.D

Acq: 06 Jul 2022 11:17

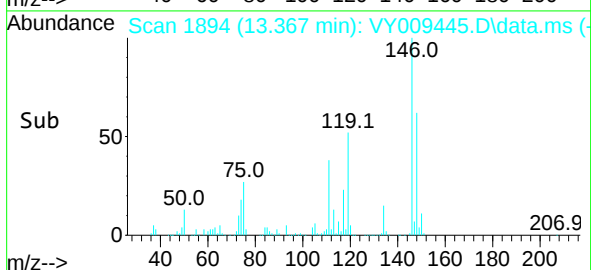
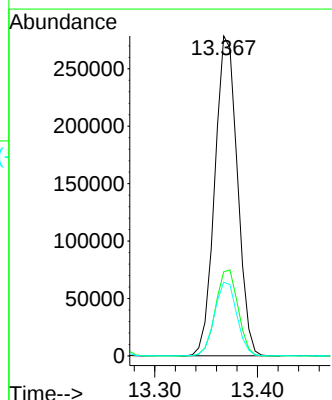
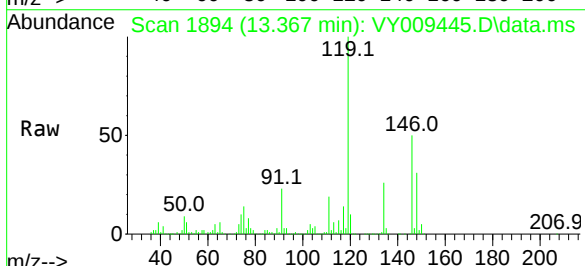
Tgt Ion:119 Resp: 424046

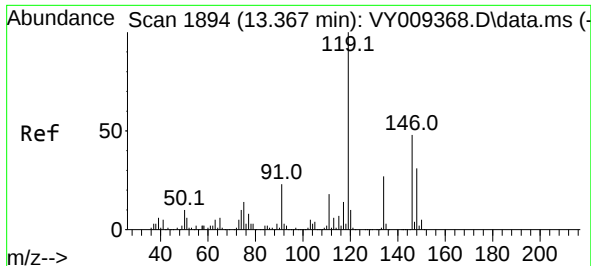
Ion Ratio Lower Upper

119 100

134 26.8 13.2 39.5

91 22.9 12.4 37.2

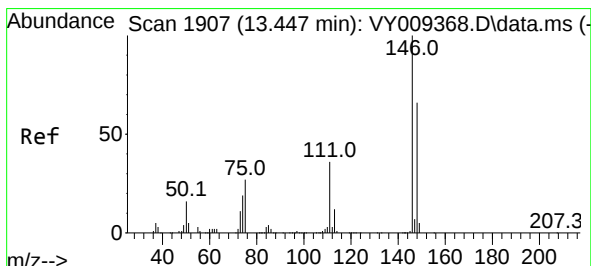
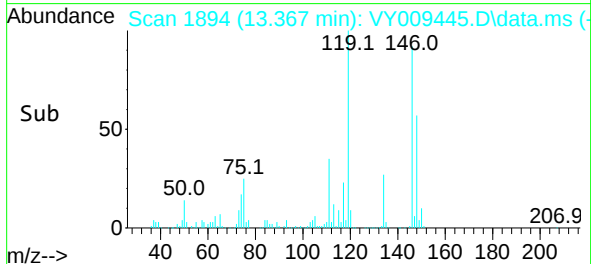
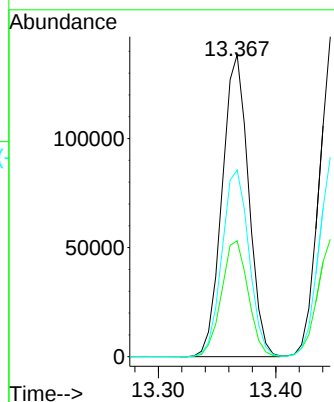
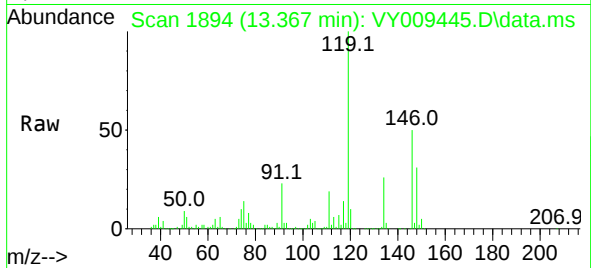




#87  
1,3-Dichlorobenzene  
Concen: 48.682 ug/l  
RT: 13.367 min Scan# 1894  
Delta R.T. 0.006 min  
Lab File: VY009445.D  
Acq: 06 Jul 2022 11:17

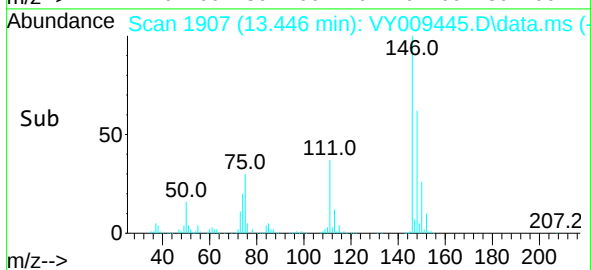
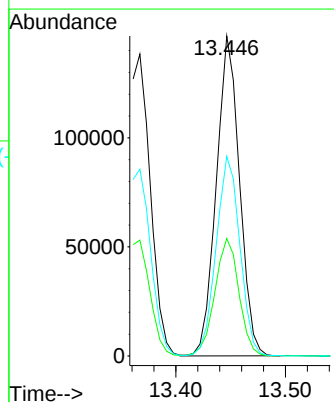
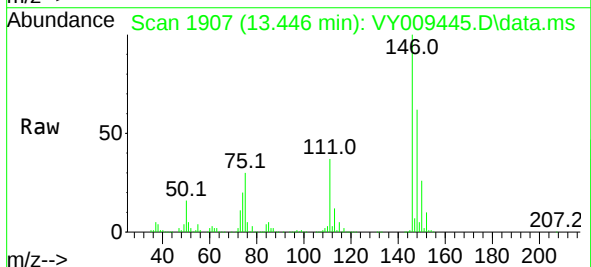
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

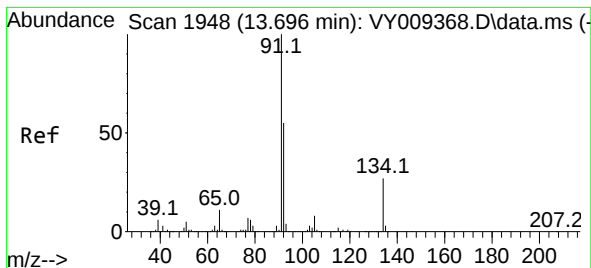
Tgt Ion:146 Resp: 216384  
Ion Ratio Lower Upper  
146 100  
111 38.7 19.5 58.5  
148 63.2 31.6 95.0



#88  
1,4-Dichlorobenzene  
Concen: 47.224 ug/l  
RT: 13.446 min Scan# 1907  
Delta R.T. 0.006 min  
Lab File: VY009445.D  
Acq: 06 Jul 2022 11:17

Tgt Ion:146 Resp: 215994  
Ion Ratio Lower Upper  
146 100  
111 38.0 19.3 57.8  
148 63.9 32.6 97.8





#89

n-Butylbenzene

Concen: 50.526 ug/l

RT: 13.702 min Scan# 1949

Delta R.T. 0.006 min

Lab File: VY009445.D

Acq: 06 Jul 2022 11:17

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

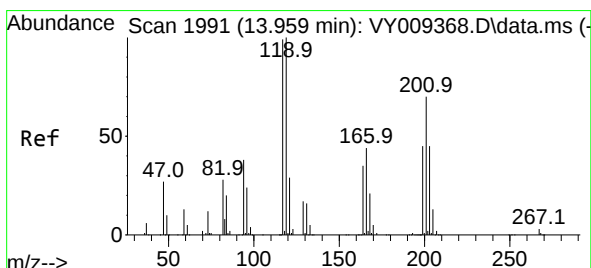
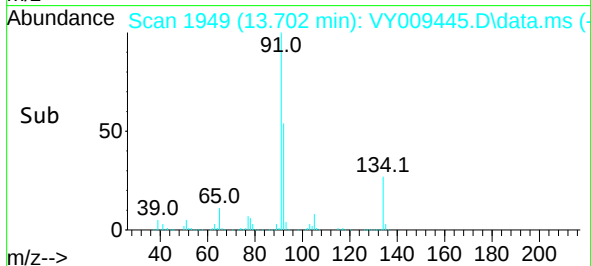
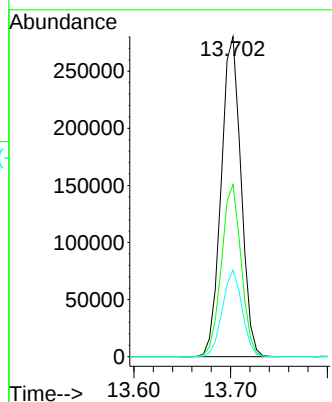
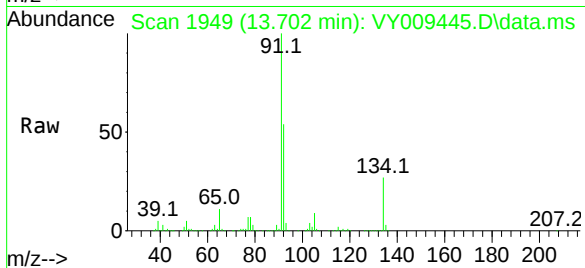
Tgt Ion: 91 Resp: 398718

Ion Ratio Lower Upper

91 100

92 53.6 26.3 78.9

134 26.9 13.0 38.9



#90

Hexachloroethane

Concen: 49.879 ug/l

RT: 13.965 min Scan# 1992

Delta R.T. 0.006 min

Lab File: VY009445.D

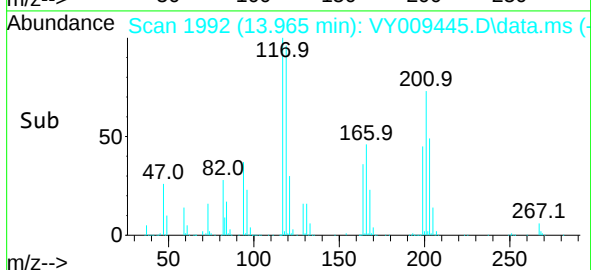
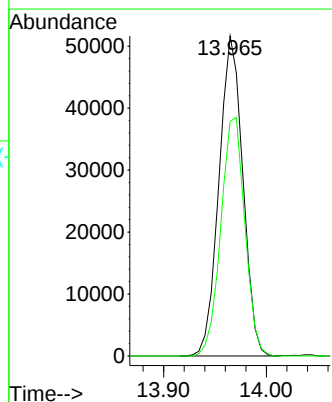
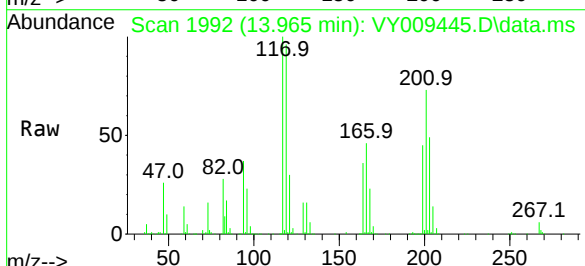
Acq: 06 Jul 2022 11:17

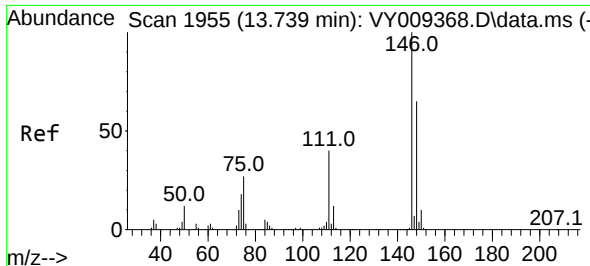
Tgt Ion: 117 Resp: 83057

Ion Ratio Lower Upper

117 100

201 75.3 43.0 128.8





#91

1,2-Dichlorobenzene

Concen: 48.622 ug/l

RT: 13.745 min Scan# 1955

Delta R.T. 0.006 min

Lab File: VY009445.D

Acq: 06 Jul 2022 11:17

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

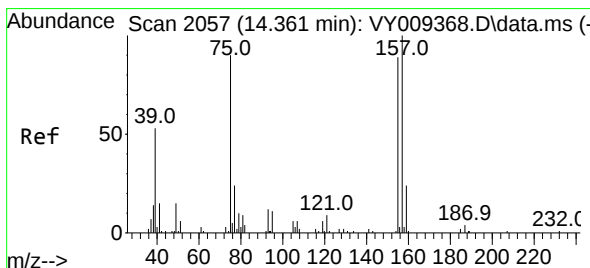
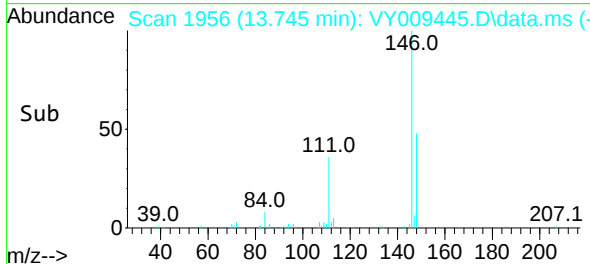
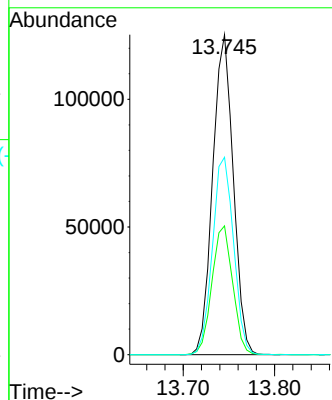
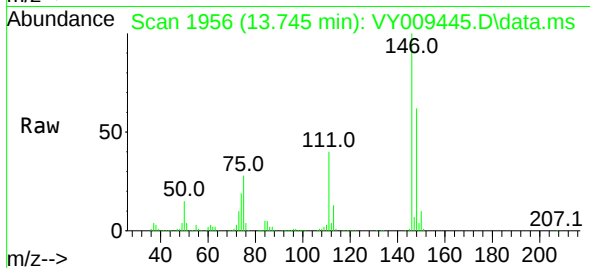
Tgt Ion:146 Resp: 196012

Ion Ratio Lower Upper

146 100

111 40.6 20.3 60.9

148 63.4 32.3 96.9



#92

1,2-Dibromo-3-Chloropropane

Concen: 47.304 ug/l

RT: 14.361 min Scan# 2057

Delta R.T. 0.006 min

Lab File: VY009445.D

Acq: 06 Jul 2022 11:17

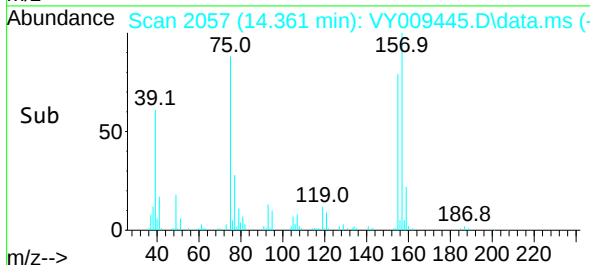
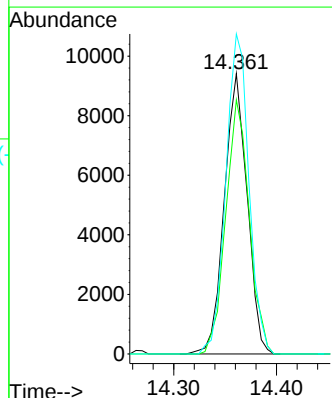
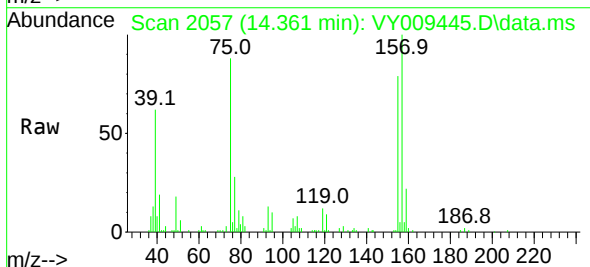
Tgt Ion: 75 Resp: 14494

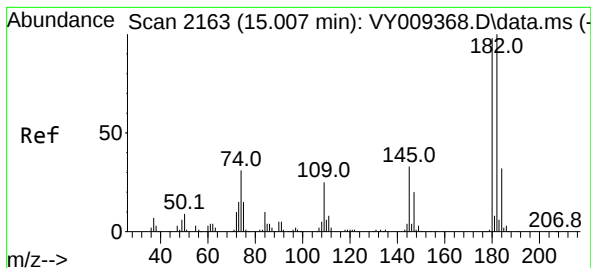
Ion Ratio Lower Upper

75 100

155 93.0 38.0 113.9

157 115.4 47.8 143.3





#93

1,2,4-Trichlorobenzene

Concen: 50.733 ug/l

RT: 15.007 min Scan# 2163

Delta R.T. 0.000 min

Lab File: VY009445.D

Acq: 06 Jul 2022 11:17

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

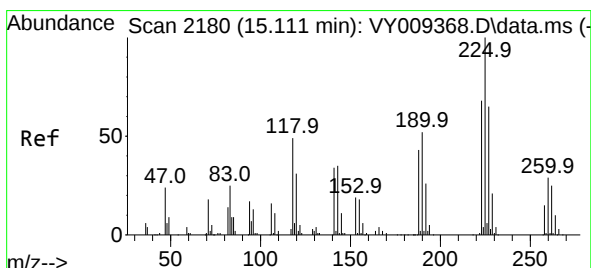
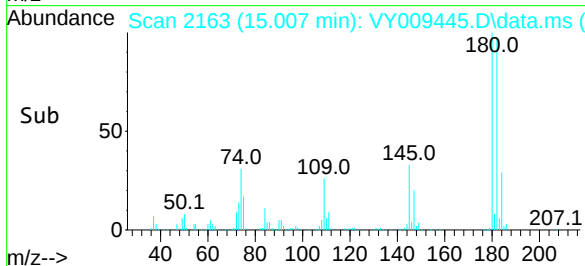
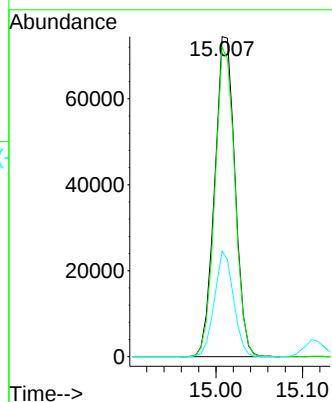
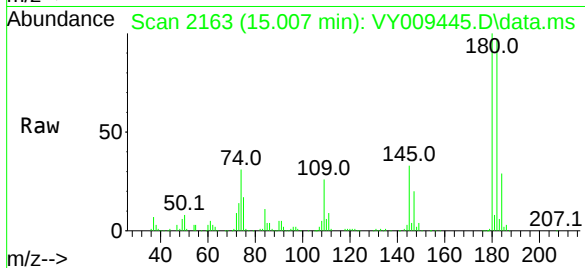
Tgt Ion:180 Resp: 121404

Ion Ratio Lower Upper

180 100

182 94.7 47.3 141.9

145 31.0 14.6 43.8



#94

Hexachlorobutadiene

Concen: 49.096 ug/l

RT: 15.117 min Scan# 2181

Delta R.T. 0.006 min

Lab File: VY009445.D

Acq: 06 Jul 2022 11:17

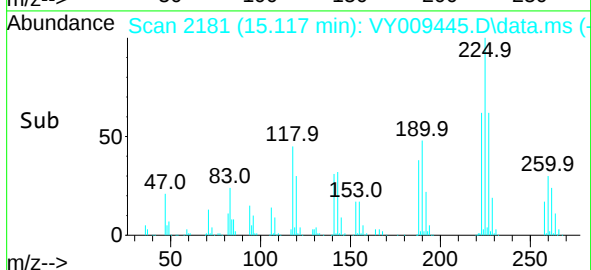
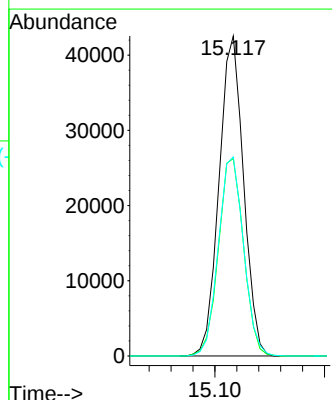
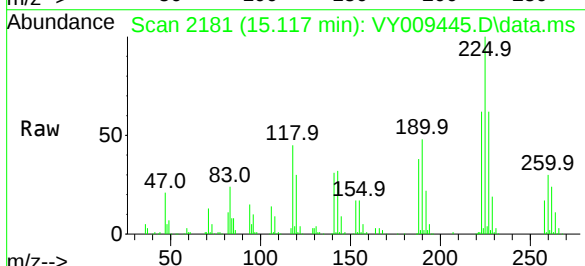
Tgt Ion:225 Resp: 65954

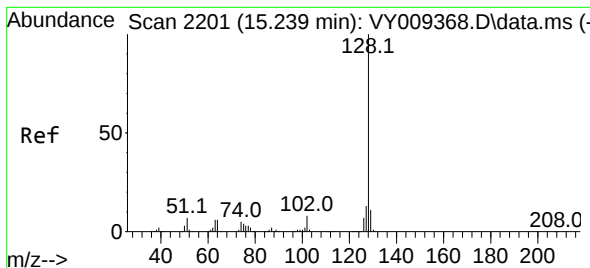
Ion Ratio Lower Upper

225 100

223 63.4 30.8 92.3

227 64.2 31.6 94.7





#95

Naphthalene

Concen: 52.445 ug/l

RT: 15.239 min Scan# 21

Delta R.T. 0.006 min

Lab File: VY009445.D

Acq: 06 Jul 2022 11:17

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

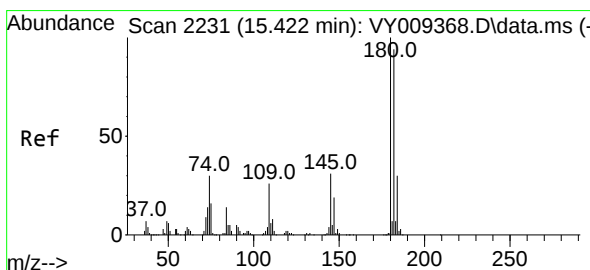
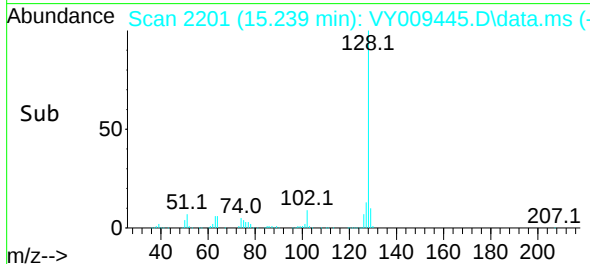
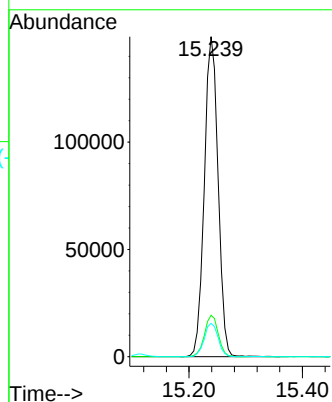
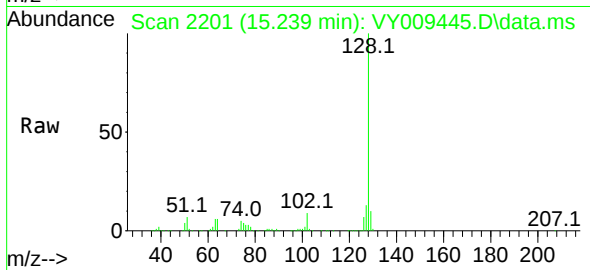
Tgt Ion:128 Resp: 251274

Ion Ratio Lower Upper

128 100

127 13.0 11.0 16.4

129 10.5 8.4 12.6



#96

1,2,3-Trichlorobenzene

Concen: 51.730 ug/l

RT: 15.428 min Scan# 2232

Delta R.T. 0.006 min

Lab File: VY009445.D

Acq: 06 Jul 2022 11:17

Tgt Ion:180 Resp: 107547

Ion Ratio Lower Upper

180 100

182 94.0 47.3 141.9

145 31.5 15.3 45.9

