

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD122822\  
 Data File : VD075062.D  
 Acq On : 28 Dec 2022 13:30  
 Operator : KP/SY  
 Sample : VD1228SBS01  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1228SBS01

Quant Time: Dec 29 03:49:41 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D12222S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Dec 23 05:54:19 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.875  | 168  | 119031   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.775  | 114  | 214041   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.581 | 117  | 186226   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.516 | 152  | 81417    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 8.228  | 65    | 61649    | 52.986   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 105.980% |      |
| 35) Dibromofluoromethane    | 7.805  | 113   | 66516    | 52.811   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 105.620% |      |
| 50) Toluene-d8              | 10.269 | 98    | 255962   | 50.296   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | = 100.600% |      |
| 62) 4-Bromofluorobenzene    | 12.575 | 95    | 84950    | 51.527   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | = 103.060% |      |

|                              |       |     |        |         |        |     |
|------------------------------|-------|-----|--------|---------|--------|-----|
| Target Compounds             |       |     |        |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.934 | 85  | 15846  | 26.212  | ug/l   | 97  |
| 3) Chloromethane             | 2.146 | 50  | 27043  | 25.986  | ug/l   | 92  |
| 4) Vinyl Chloride            | 2.281 | 62  | 26409  | 26.753  | ug/l   | 96  |
| 5) Bromomethane              | 2.675 | 94  | 12862  | 28.159  | ug/l   | 100 |
| 6) Chloroethane              | 2.822 | 64  | 16393  | 26.230  | ug/l   | 99  |
| 7) Trichlorofluoromethane    | 3.169 | 101 | 36082  | 23.817  | ug/l   | 95  |
| 8) Diethyl Ether             | 3.593 | 74  | 12016  | 20.685  | ug/l   | 80  |
| 9) 1,1,2-Trichlorotrifluo... | 3.964 | 101 | 23895  | 22.387  | ug/l   | 97  |
| 10) Methyl Iodide            | 4.158 | 142 | 21082  | 23.009  | ug/l   | 99  |
| 11) Tert butyl alcohol       | 5.069 | 59  | 10982  | 115.929 | ug/l # | 97  |
| 12) 1,1-Dichloroethene       | 3.934 | 96  | 23218  | 22.513  | ug/l # | 82  |
| 13) Acrolein                 | 3.799 | 56  | 13448  | 96.007  | ug/l   | 96  |
| 14) Allyl chloride           | 4.564 | 41  | 40227  | 22.416  | ug/l # | 91  |
| 15) Acrylonitrile            | 5.246 | 53  | 30903  | 105.058 | ug/l   | 99  |
| 16) Acetone                  | 4.022 | 43  | 29871  | 98.851  | ug/l   | 100 |
| 17) Carbon Disulfide         | 4.269 | 76  | 56970  | 27.800  | ug/l   | 99  |
| 18) Methyl Acetate           | 4.564 | 43  | 17774  | 22.643  | ug/l   | 92  |
| 19) Methyl tert-butyl Ether  | 5.322 | 73  | 58443  | 21.335  | ug/l   | 94  |
| 20) Methylene Chloride       | 4.799 | 84  | 37710  | 24.734  | ug/l # | 86  |
| 21) trans-1,2-Dichloroethene | 5.311 | 96  | 25359  | 22.156  | ug/l   | 85  |
| 22) Diisopropyl ether        | 6.210 | 45  | 83410  | 21.577  | ug/l # | 92  |
| 23) Vinyl Acetate            | 6.158 | 43  | 188724 | 107.952 | ug/l   | 94  |
| 24) 1,1-Dichloroethane       | 6.105 | 63  | 49901  | 22.101  | ug/l   | 99  |
| 25) 2-Butanone               | 7.087 | 43  | 41861  | 103.808 | ug/l # | 86  |
| 26) 2,2-Dichloropropane      | 7.081 | 77  | 43647  | 21.640  | ug/l   | 96  |
| 27) cis-1,2-Dichloroethene   | 7.081 | 96  | 32209  | 22.309  | ug/l   | 90  |
| 28) Bromochloromethane       | 7.422 | 49  | 16332  | 20.896  | ug/l   | 83  |
| 29) Tetrahydrofuran          | 7.440 | 42  | 22692  | 97.607  | ug/l   | 87  |
| 30) Chloroform               | 7.599 | 83  | 47875  | 21.715  | ug/l   | 94  |
| 31) Cyclohexane              | 7.875 | 56  | 42439  | 23.899  | ug/l   | 94  |
| 32) 1,1,1-Trichloroethane    | 7.793 | 97  | 41359  | 21.680  | ug/l   | 95  |
| 36) 1,1-Dichloropropene      | 8.005 | 75  | 35840  | 22.030  | ug/l   | 99  |
| 37) Ethyl Acetate            | 7.163 | 43  | 18252  | 22.210  | ug/l # | 82  |
| 38) Carbon Tetrachloride     | 7.993 | 117 | 30844  | 21.926  | ug/l   | 98  |
| 39) Methylcyclohexane        | 9.269 | 83  | 45010  | 22.781  | ug/l   | 90  |
| 40) Benzene                  | 8.252 | 78  | 109710 | 22.150  | ug/l   | 99  |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD122822\  
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 Operator : KP/SY  
 Sample : VD1228SBS01  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1228SBS01

Quant Time: Dec 29 03:49:41 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D12222S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Dec 23 05:54:19 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.399  | 41   | 11376    | 22.248  | ug/l   | 87       |
| 42) 1,2-Dichloroethane        | 8.328  | 62   | 27438    | 21.713  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.363  | 43   | 32980    | 19.949  | ug/l # | 92       |
| 44) Trichloroethene           | 9.028  | 130  | 30466    | 22.332  | ug/l   | 94       |
| 45) 1,2-Dichloropropane       | 9.304  | 63   | 28732    | 21.657  | ug/l   | 93       |
| 46) Dibromomethane            | 9.393  | 93   | 14060    | 21.309  | ug/l   | 98       |
| 47) Bromodichloromethane      | 9.581  | 83   | 36391    | 21.179  | ug/l   | 94       |
| 48) Methyl methacrylate       | 9.381  | 41   | 16273    | 21.670  | ug/l # | 82       |
| 49) 1,4-Dioxane               | 9.387  | 88   | 3284     | 394.951 | ug/l # | 81       |
| 51) 4-Methyl-2-Pentanone      | 10.157 | 43   | 83079    | 101.725 | ug/l   | 91       |
| 52) Toluene                   | 10.334 | 92   | 67653    | 21.450  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.551 | 75   | 34817    | 20.826  | ug/l   | 90       |
| 54) cis-1,3-Dichloropropene   | 10.016 | 75   | 42259    | 20.977  | ug/l # | 83       |
| 55) 1,1,2-Trichloroethane     | 10.734 | 97   | 20439    | 21.155  | ug/l   | 93       |
| 56) Ethyl methacrylate        | 10.598 | 69   | 27048    | 21.268  | ug/l # | 80       |
| 57) 1,3-Dichloropropane       | 10.881 | 76   | 34706    | 21.488  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.869  | 63   | 51623    | 98.890  | ug/l   | 97       |
| 59) 2-Hexanone                | 10.922 | 43   | 58572    | 98.623  | ug/l   | 92       |
| 60) Dibromochloromethane      | 11.075 | 129  | 23802    | 21.504  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.181 | 107  | 18861    | 21.775  | ug/l   | 98       |
| 64) Tetrachloroethene         | 10.810 | 164  | 24557    | 22.528  | ug/l   | 93       |
| 65) Chlorobenzene             | 11.610 | 112  | 72408    | 21.289  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.681 | 131  | 24718    | 20.986  | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.687 | 91   | 131984   | 21.202  | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.793 | 106  | 100776   | 42.699  | ug/l   | 100      |
| 69) o-Xylene                  | 12.122 | 106  | 48597    | 21.405  | ug/l   | 98       |
| 70) Styrene                   | 12.134 | 104  | 80968    | 21.213  | ug/l   | 98       |
| 71) Bromoform                 | 12.298 | 173  | 12882    | 20.158  | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.422 | 105  | 129656   | 20.771  | ug/l   | 98       |
| 74) N-amyl acetate            | 12.234 | 43   | 30823    | 19.454  | ug/l # | 89       |
| 75) 1,1,2,2-Tetrachloroethane | 12.675 | 83   | 21957    | 19.726  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.728 | 75   | 28461    | 34.093  | ug/l # | 100      |
| 77) Bromobenzene              | 12.698 | 156  | 27909    | 20.946  | ug/l   | 92       |
| 78) n-propylbenzene           | 12.763 | 91   | 157525   | 20.603  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.851 | 91   | 86826    | 20.787  | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 102870   | 20.435  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.469 | 75   | 6446     | 17.896  | ug/l   | 90       |
| 82) 4-Chlorotoluene           | 12.945 | 91   | 88064    | 20.663  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.169 | 119  | 92897    | 20.846  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 13.216 | 105  | 99659    | 20.354  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.345 | 105  | 139613   | 20.405  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.463 | 119  | 109135   | 19.995  | ug/l   | 96       |
| 87) 1,3-Dichlorobenzene       | 13.457 | 146  | 54495    | 20.932  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.540 | 146  | 55102    | 21.189  | ug/l   | 98       |
| 89) n-Butylbenzene            | 13.787 | 91   | 110591   | 20.286  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.051 | 117  | 18933    | 19.520  | ug/l   | 95       |
| 91) 1,2-Dichlorobenzene       | 13.834 | 146  | 49115    | 21.351  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.445 | 75   | 3357     | 19.627  | ug/l   | 96       |
| 93) 1,2,4-Trichlorobenzene    | 15.098 | 180  | 31360    | 20.748  | ug/l   | 96       |
| 94) Hexachlorobutadiene       | 15.204 | 225  | 14291    | 18.913  | ug/l   | 98       |
| 95) Naphthalene               | 15.334 | 128  | 64125    | 20.326  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.522 | 180  | 25582    | 19.721  | ug/l   | 94       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD122822\  
Data File : VD075062.D  
Acq On : 28 Dec 2022 13:30  
Operator : KP/SY  
Sample : VD1228SBSD01  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 6 Sample Multiplier: 1

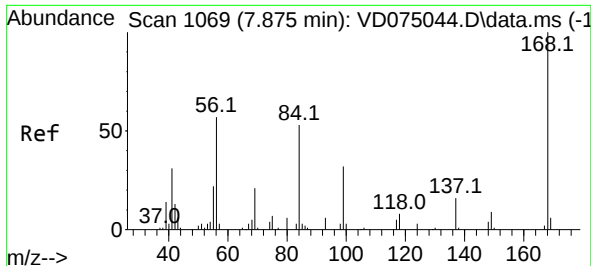
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1228SBSD01

Quant Time: Dec 29 03:49:41 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D122222S.M  
Quant Title : SW846 8260  
QLast Update : Fri Dec 23 05:54:19 2022  
Response via : Initial Calibration

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

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

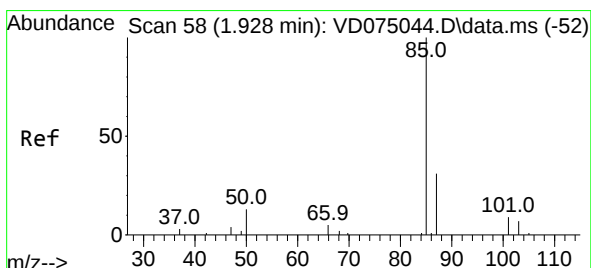
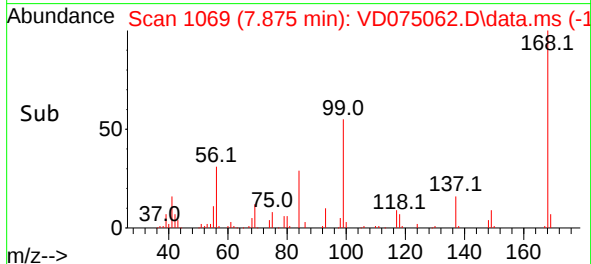
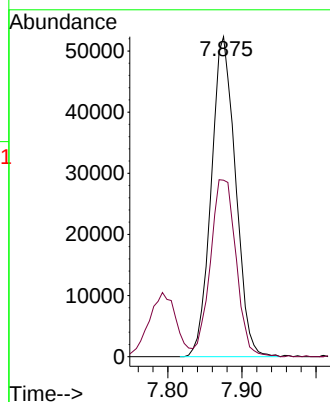
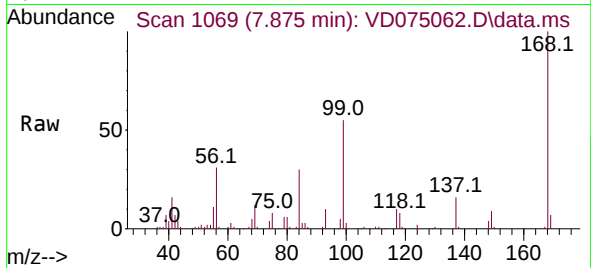




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. 0.000 min  
Lab File: VD075062.D  
Acq: 28 Dec 2022 13:30

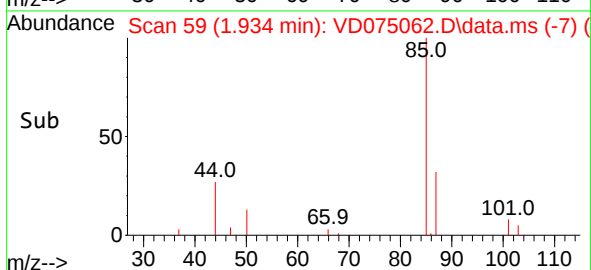
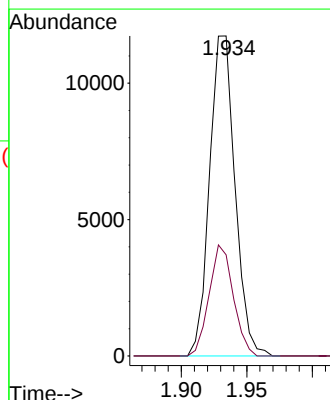
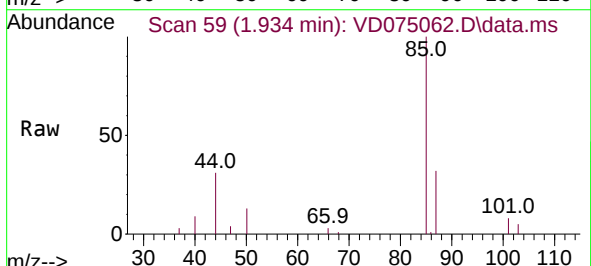
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ClientSampleId :  
VD1228SBSD01

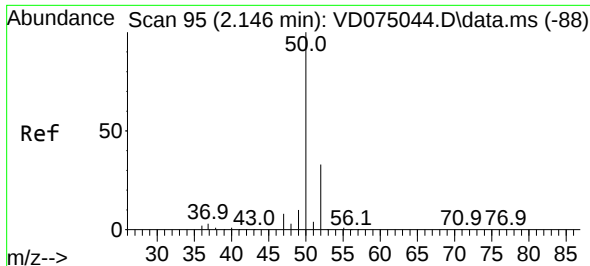
Tgt Ion:168 Resp: 119031  
Ion Ratio Lower Upper  
168 100  
99 55.2 40.3 60.5



#2  
Dichlorodifluoromethane  
Concen: 26.212 ug/l  
RT: 1.934 min Scan# 59  
Delta R.T. 0.006 min  
Lab File: VD075062.D  
Acq: 28 Dec 2022 13:30

Tgt Ion: 85 Resp: 15846  
Ion Ratio Lower Upper  
85 100  
87 31.6 16.5 49.5

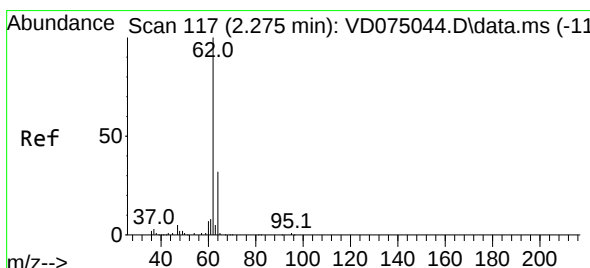
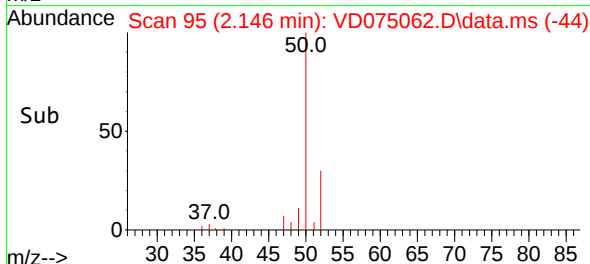
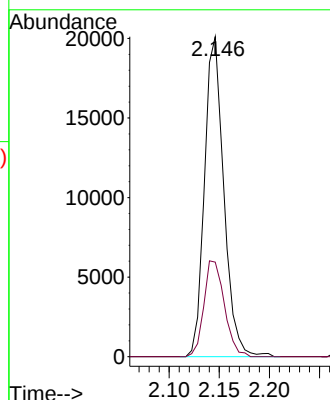
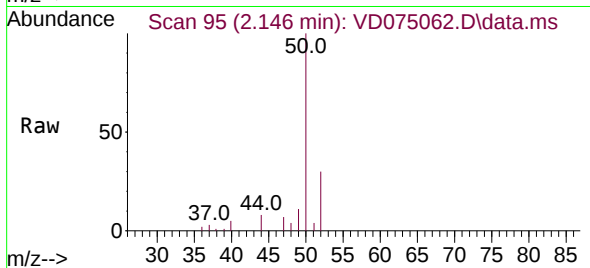




#3  
Chloromethane  
Concen: 25.986 ug/l  
RT: 2.146 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VD075062.D  
Acq: 28 Dec 2022 13:30

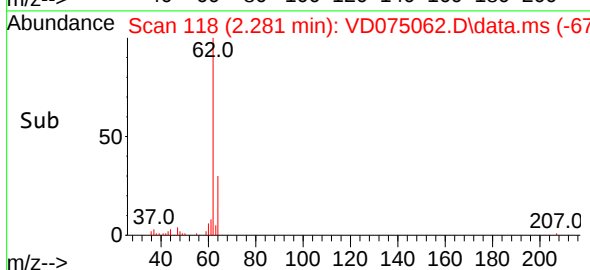
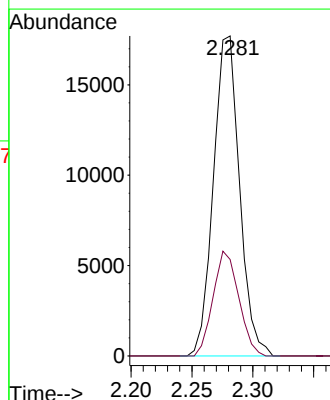
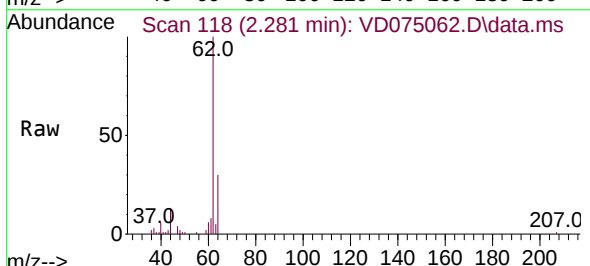
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1228SBSD01

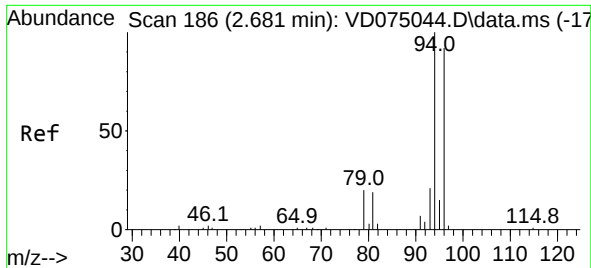
Tgt Ion: 50 Resp: 27043  
Ion Ratio Lower Upper  
50 100  
52 29.6 27.2 40.8



#4  
Vinyl Chloride  
Concen: 26.753 ug/l  
RT: 2.281 min Scan# 118  
Delta R.T. 0.000 min  
Lab File: VD075062.D  
Acq: 28 Dec 2022 13:30

Tgt Ion: 62 Resp: 26409  
Ion Ratio Lower Upper  
62 100  
64 30.1 25.8 38.6

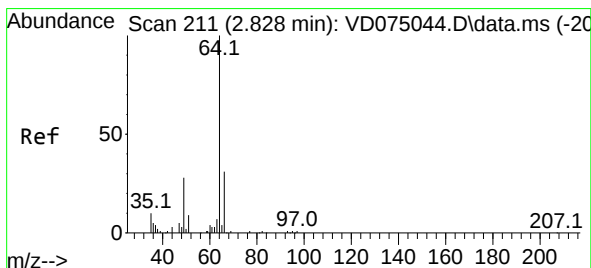
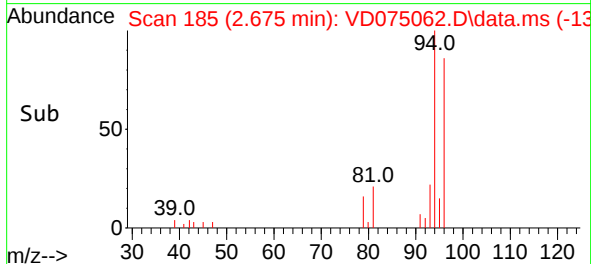
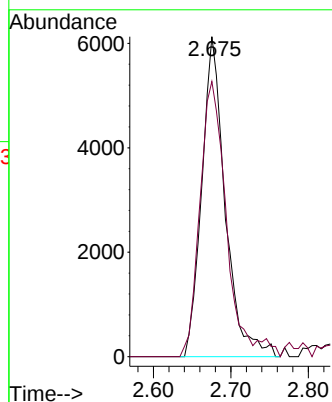
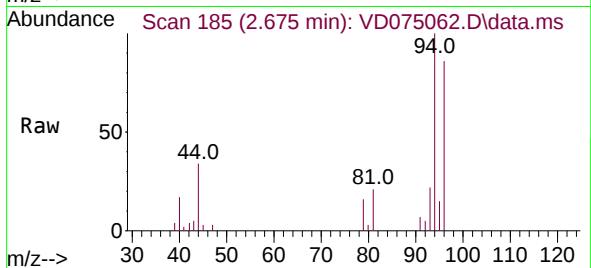




#5  
Bromomethane  
Concen: 28.159 ug/l  
RT: 2.675 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VD075062.D  
Acq: 28 Dec 2022 13:30

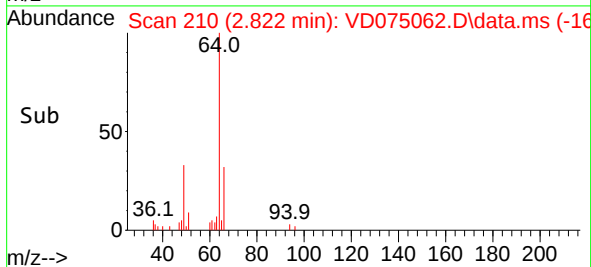
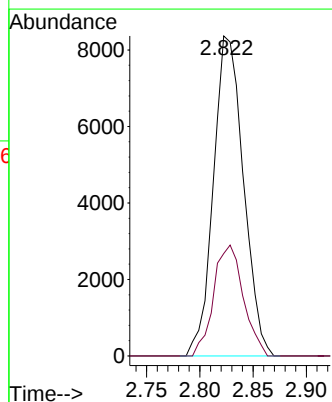
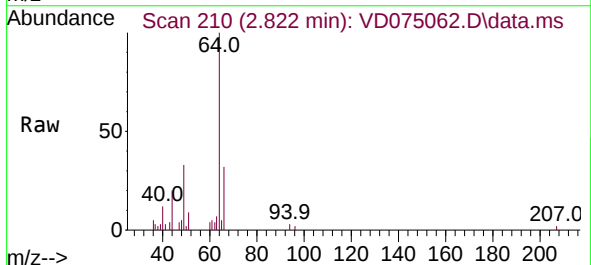
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1228SBSD01

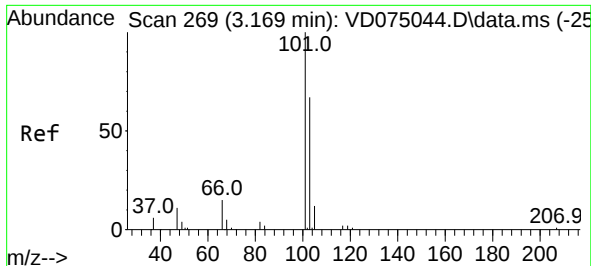
Tgt Ion: 94 Resp: 12862  
Ion Ratio Lower Upper  
94 100  
96 93.9 75.2 112.8



#6  
Chloroethane  
Concen: 26.230 ug/l  
RT: 2.822 min Scan# 210  
Delta R.T. -0.006 min  
Lab File: VD075062.D  
Acq: 28 Dec 2022 13:30

Tgt Ion: 64 Resp: 16393  
Ion Ratio Lower Upper  
64 100  
66 32.0 25.1 37.7

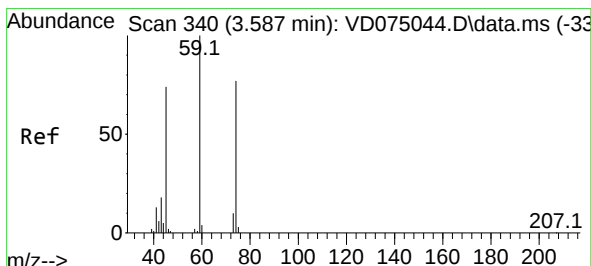
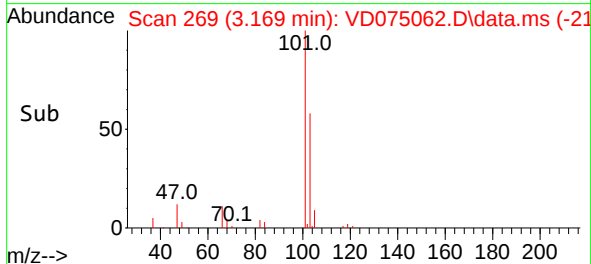
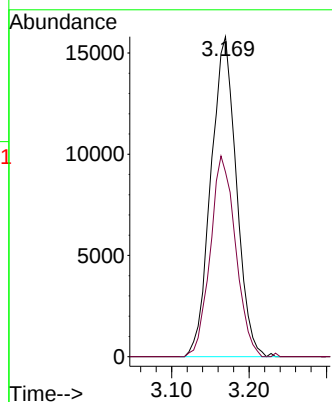
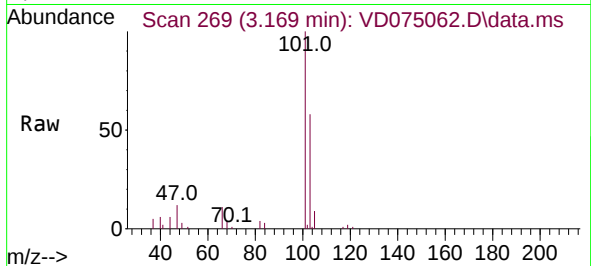




#7  
 Trichlorofluoromethane  
 Concen: 23.817 ug/l  
 RT: 3.169 min Scan# 20  
 Delta R.T. 0.000 min  
 Lab File: VD075062.D  
 Acq: 28 Dec 2022 13:30

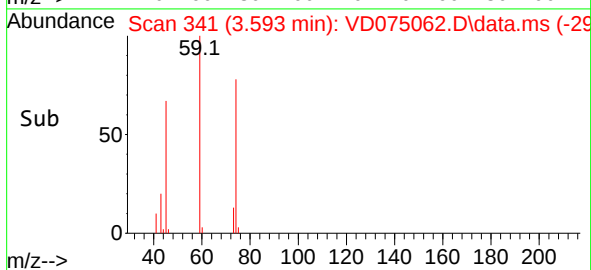
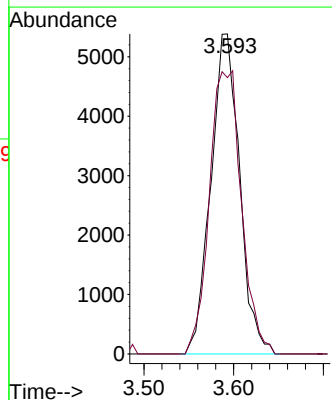
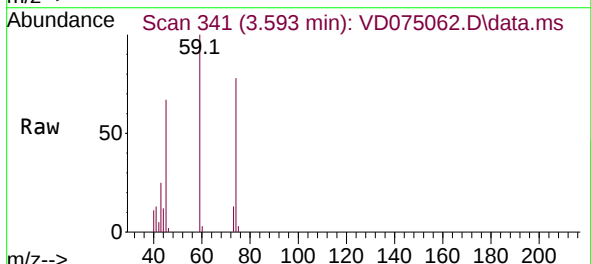
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1228SBSD01

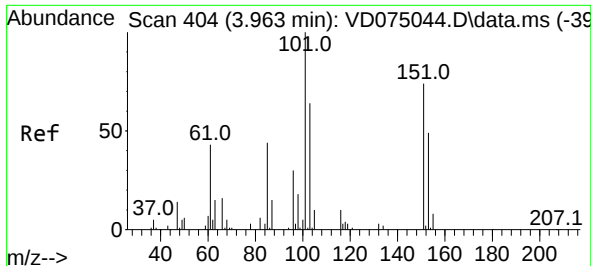
Tgt Ion:101 Resp: 36082  
 Ion Ratio Lower Upper  
 101 100  
 103 57.7 49.1 73.7



#8  
 Diethyl Ether  
 Concen: 20.685 ug/l  
 RT: 3.593 min Scan# 341  
 Delta R.T. -0.000 min  
 Lab File: VD075062.D  
 Acq: 28 Dec 2022 13:30

Tgt Ion: 74 Resp: 12016  
 Ion Ratio Lower Upper  
 74 100  
 45 98.4 40.2 120.5

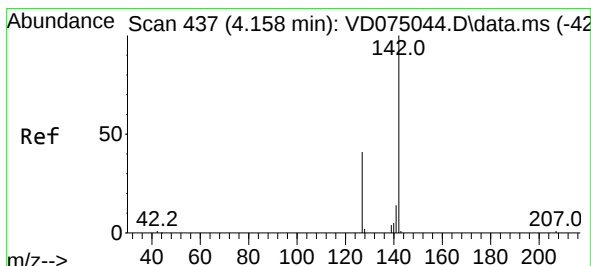
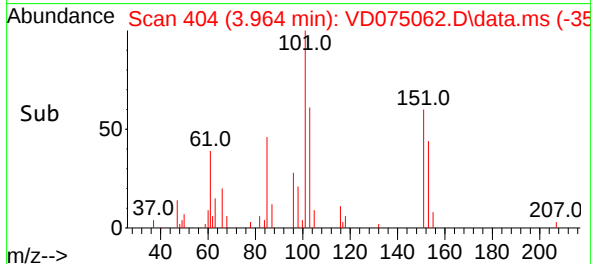
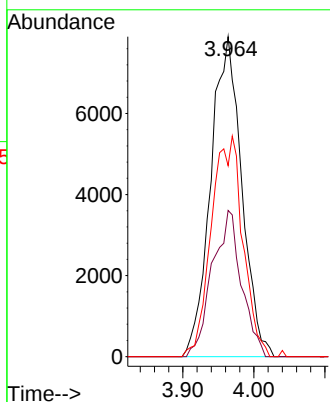
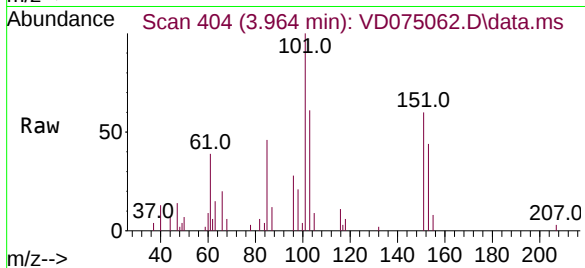




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 22.387 ug/l  
RT: 3.964 min Scan# 404  
Delta R.T. -0.000 min  
Lab File: VD075062.D  
Acq: 28 Dec 2022 13:30

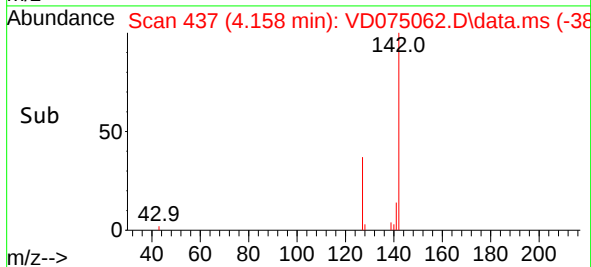
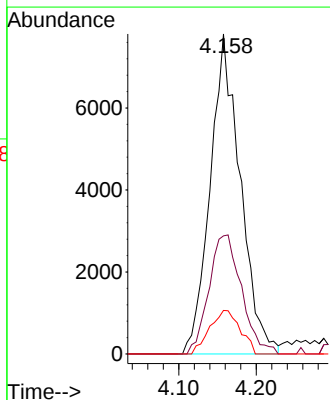
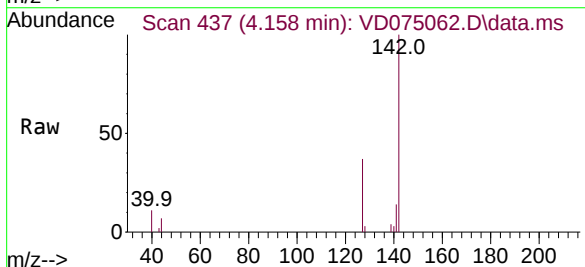
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1228SBS01

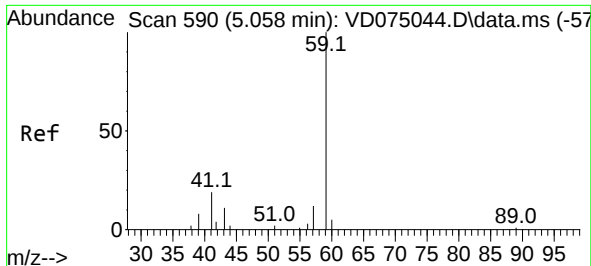
Tgt Ion:101 Resp: 23895  
Ion Ratio Lower Upper  
101 100  
85 42.9 33.4 50.0  
151 70.2 58.9 88.3



#10  
Methyl Iodide  
Concen: 23.009 ug/l  
RT: 4.158 min Scan# 437  
Delta R.T. -0.000 min  
Lab File: VD075062.D  
Acq: 28 Dec 2022 13:30

Tgt Ion:142 Resp: 21082  
Ion Ratio Lower Upper  
142 100  
127 40.3 31.4 47.2  
141 13.8 11.4 17.2

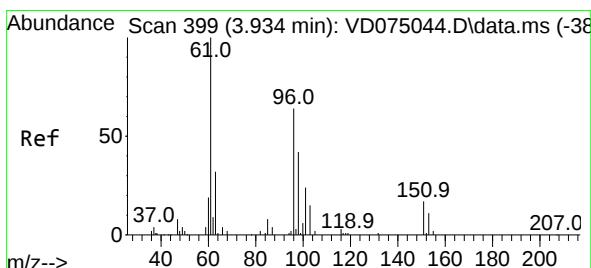
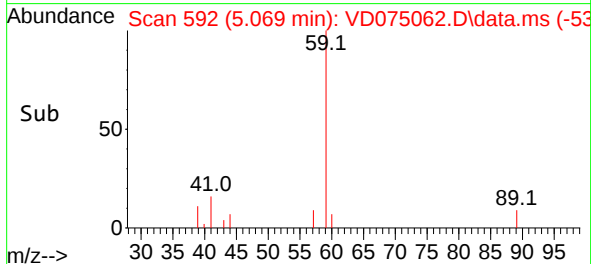
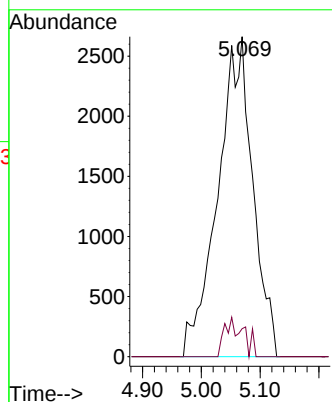
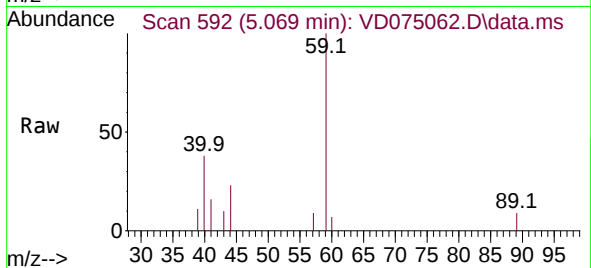




#11  
Tert butyl alcohol  
Concen: 115.929 ug/l  
RT: 5.069 min Scan# 590  
Delta R.T. 0.017 min  
Lab File: VD075062.D  
Acq: 28 Dec 2022 13:30

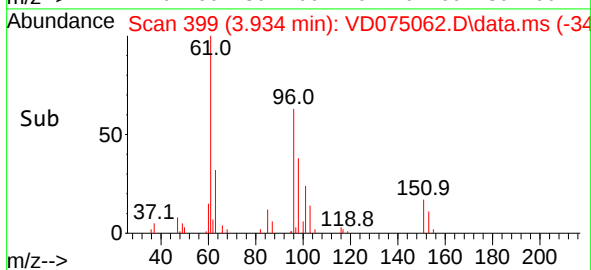
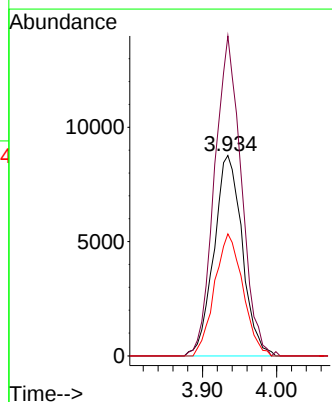
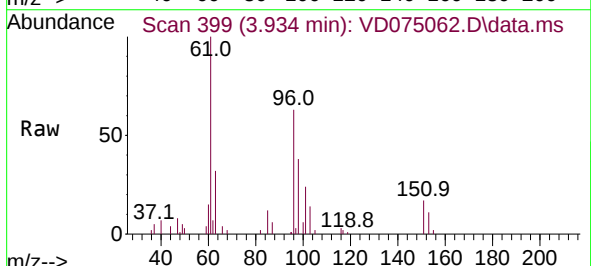
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1228SBSD01

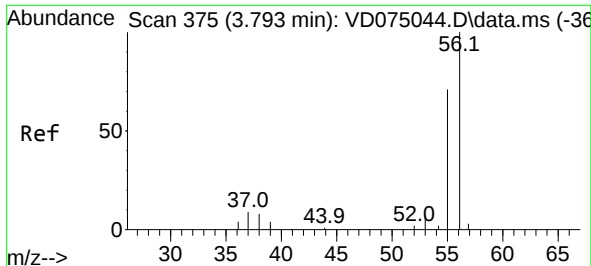
Tgt Ion: 59 Resp: 10982  
Ion Ratio Lower Upper  
59 100  
57 6.5 4.3 6.5#



#12  
1,1-Dichloroethene  
Concen: 22.513 ug/l  
RT: 3.934 min Scan# 399  
Delta R.T. 0.000 min  
Lab File: VD075062.D  
Acq: 28 Dec 2022 13:30

Tgt Ion: 96 Resp: 23218  
Ion Ratio Lower Upper  
96 100  
61 159.6 104.9 157.3#  
98 60.9 51.8 77.8

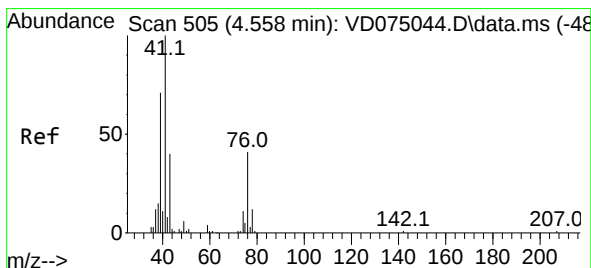
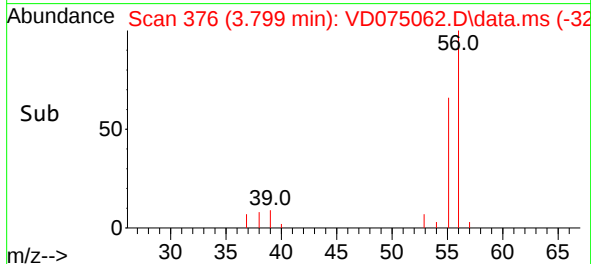
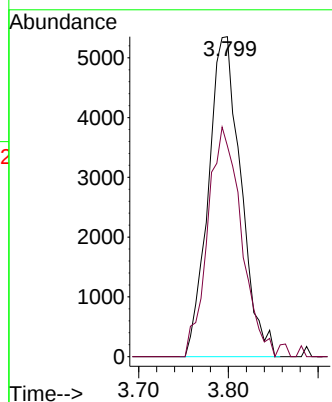
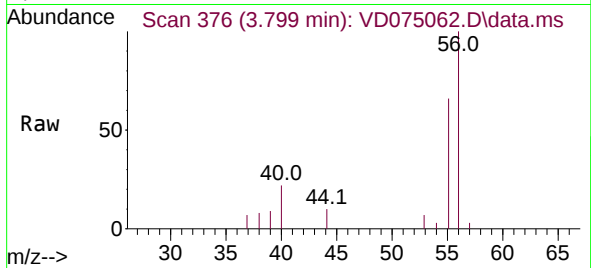




#13  
Acrolein  
Concen: 96.007 ug/l  
RT: 3.799 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VD075062.D  
Acq: 28 Dec 2022 13:30

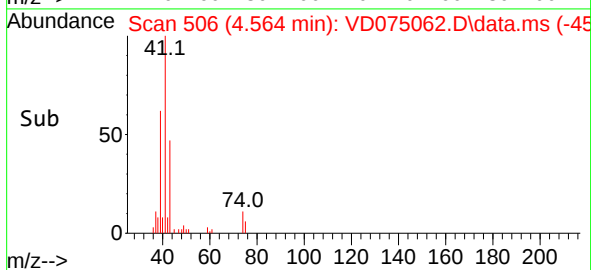
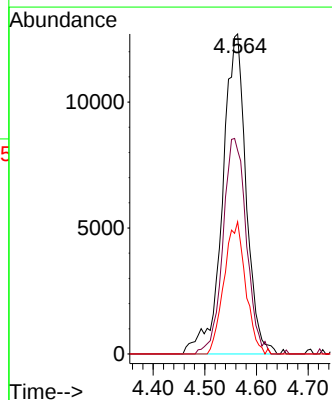
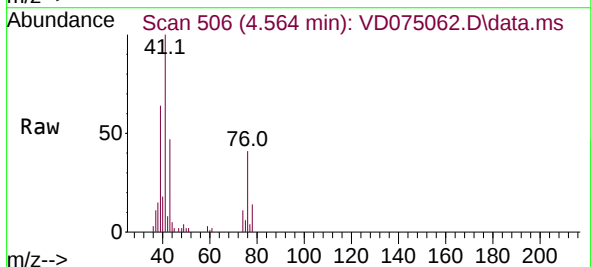
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1228SBS01

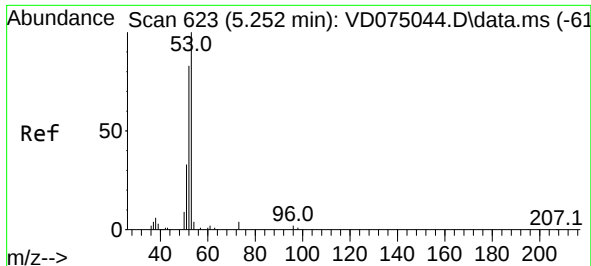
Tgt Ion: 56 Resp: 13448  
Ion Ratio Lower Upper  
56 100  
55 74.2 56.6 84.8



#14  
Allyl chloride  
Concen: 22.416 ug/l  
RT: 4.564 min Scan# 506  
Delta R.T. 0.006 min  
Lab File: VD075062.D  
Acq: 28 Dec 2022 13:30

Tgt Ion: 41 Resp: 40227  
Ion Ratio Lower Upper  
41 100  
39 66.9 52.5 78.7  
76 37.8 41.1 61.7#

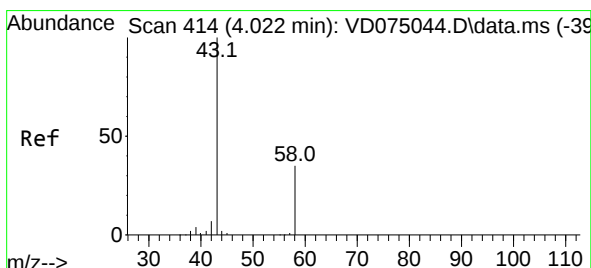
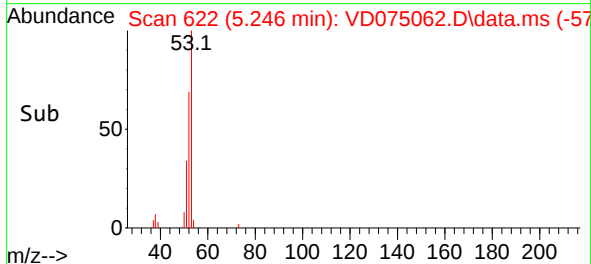
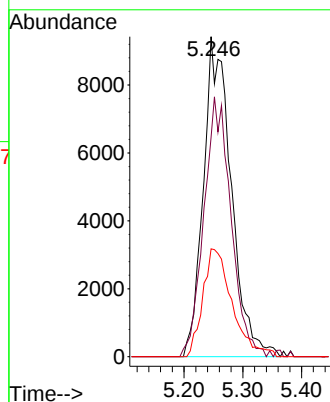
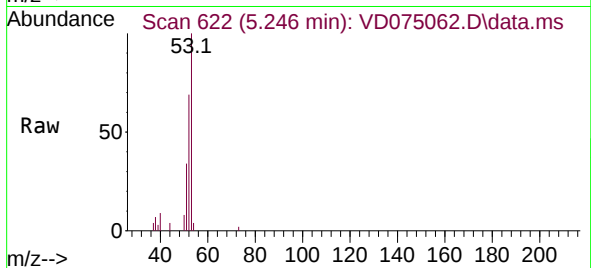




#15  
Acrylonitrile  
Concen: 105.058 ug/l  
RT: 5.246 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: VD075062.D  
Acq: 28 Dec 2022 13:30

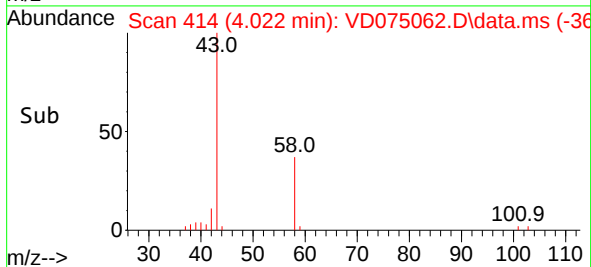
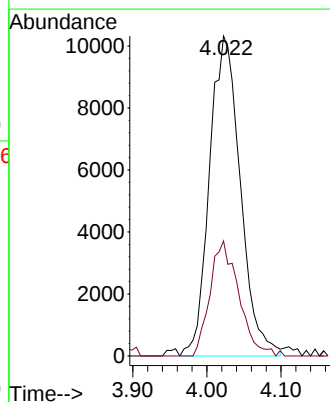
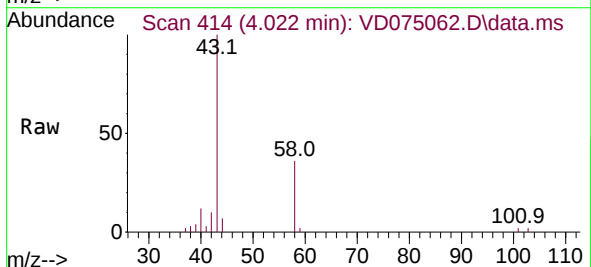
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1228SBSD01

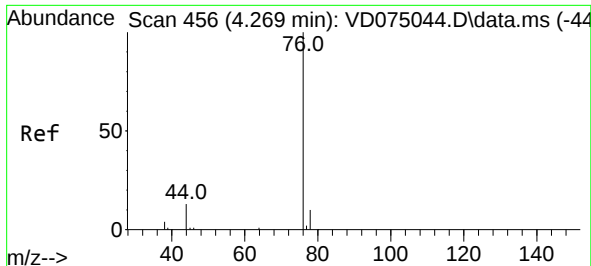
|             |             |
|-------------|-------------|
| Tgt Ion: 53 | Resp: 30903 |
| Ion Ratio   | Lower Upper |
| 53 100      |             |
| 52 79.1     | 64.0 96.0   |
| 51 35.6     | 27.8 41.8   |



#16  
Acetone  
Concen: 98.851 ug/l  
RT: 4.022 min Scan# 414  
Delta R.T. 0.000 min  
Lab File: VD075062.D  
Acq: 28 Dec 2022 13:30

|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 29871 |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 58 35.9     | 28.6 43.0   |

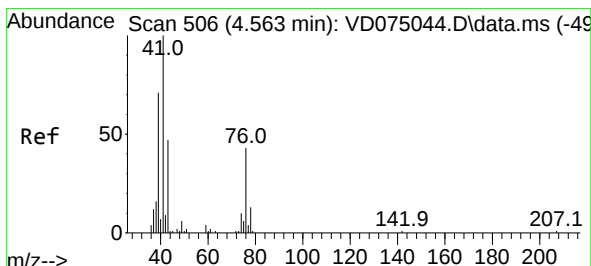
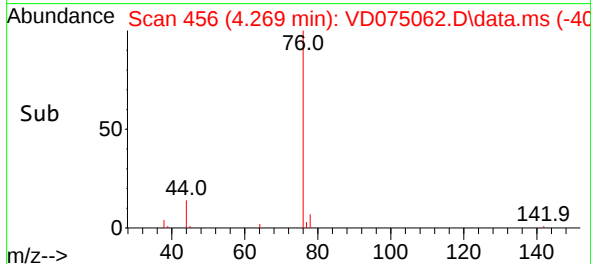
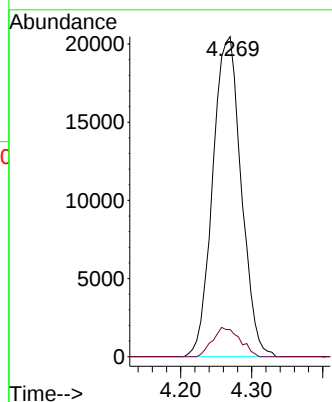
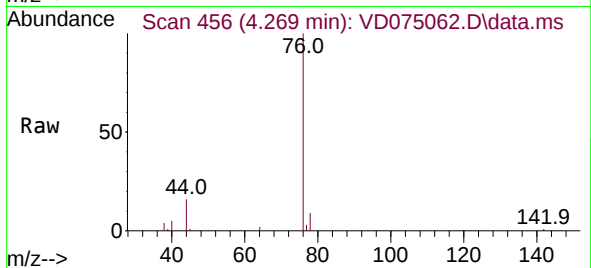




#17  
Carbon Disulfide  
Concen: 27.800 ug/l  
RT: 4.269 min Scan# 456  
Delta R.T. 0.005 min  
Lab File: VD075062.D  
Acq: 28 Dec 2022 13:30

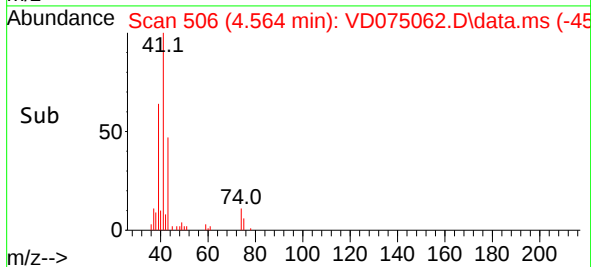
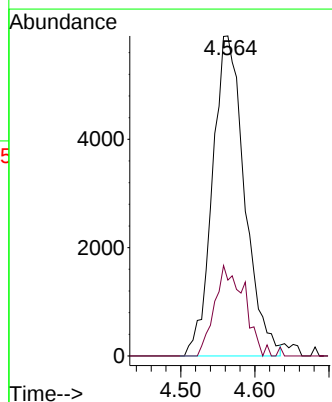
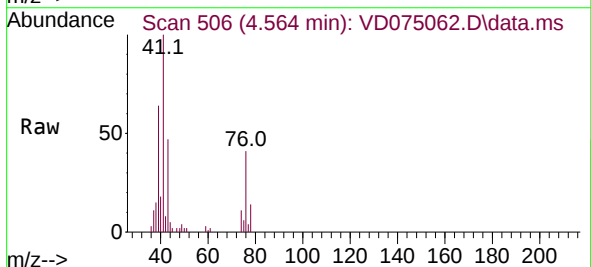
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1228SBSD01

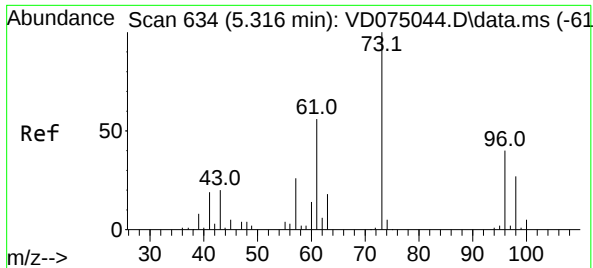
Tgt Ion: 76 Resp: 56970  
Ion Ratio Lower Upper  
76 100  
78 8.5 7.2 10.8



#18  
Methyl Acetate  
Concen: 22.643 ug/l  
RT: 4.564 min Scan# 506  
Delta R.T. -0.000 min  
Lab File: VD075062.D  
Acq: 28 Dec 2022 13:30

Tgt Ion: 43 Resp: 17774  
Ion Ratio Lower Upper  
43 100  
74 26.2 24.5 36.7

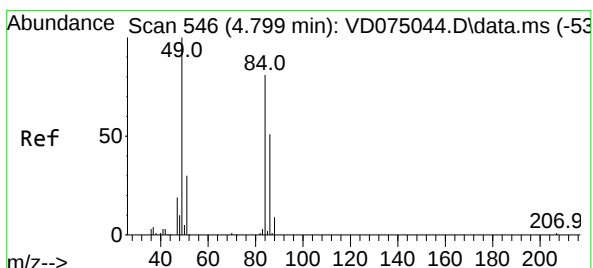
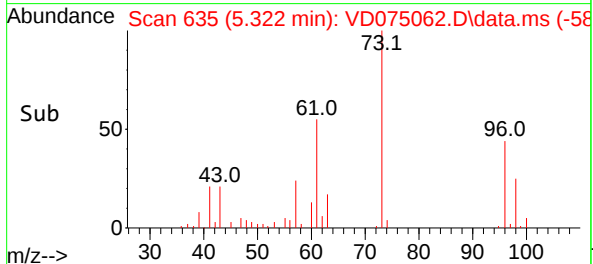
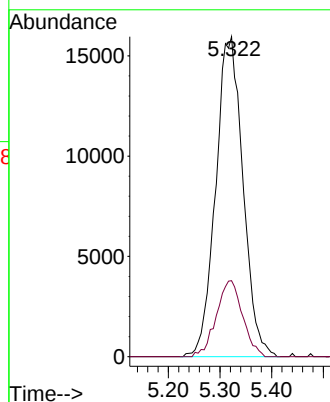
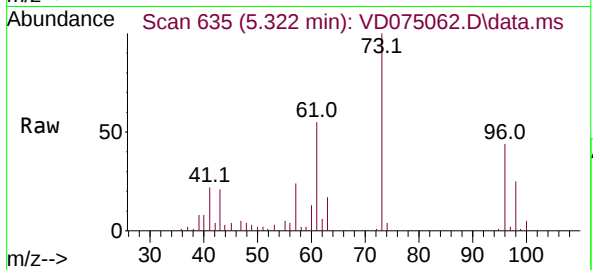




#19  
Methyl tert-butyl Ether  
Concen: 21.335 ug/l  
RT: 5.322 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VD075062.D  
Acq: 28 Dec 2022 13:30

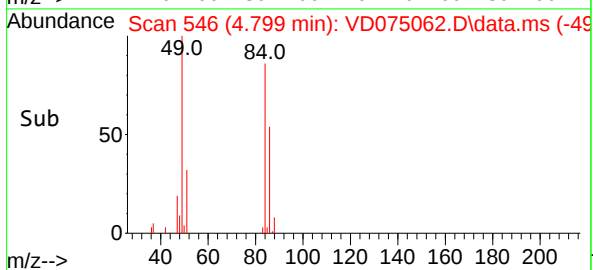
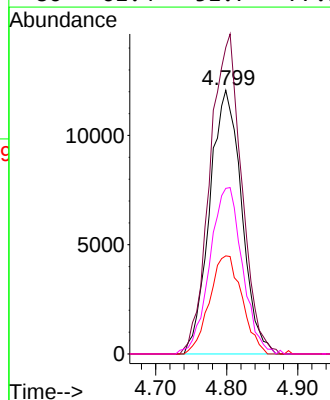
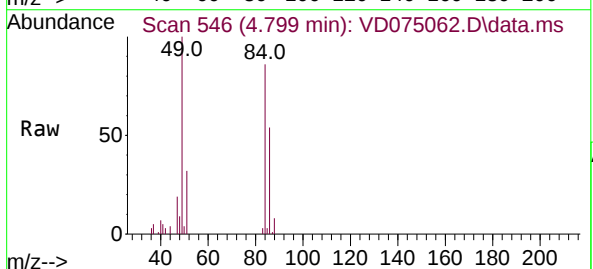
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1228SBS01

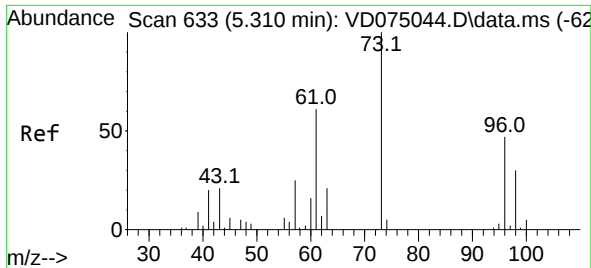
Tgt Ion: 73 Resp: 58443  
Ion Ratio Lower Upper  
73 100  
57 23.7 16.9 25.3



#20  
Methylene Chloride  
Concen: 24.734 ug/l  
RT: 4.799 min Scan# 546  
Delta R.T. 0.006 min  
Lab File: VD075062.D  
Acq: 28 Dec 2022 13:30

Tgt Ion: 84 Resp: 37710  
Ion Ratio Lower Upper  
84 100  
49 116.2 77.2 115.8#  
51 37.2 24.1 36.1#  
86 61.4 51.7 77.5

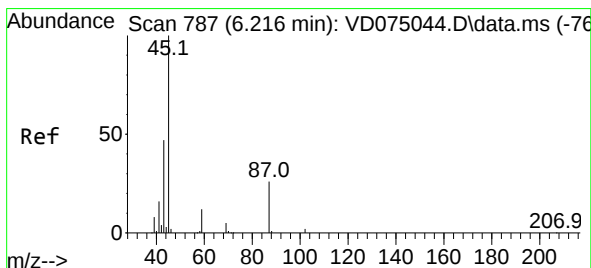
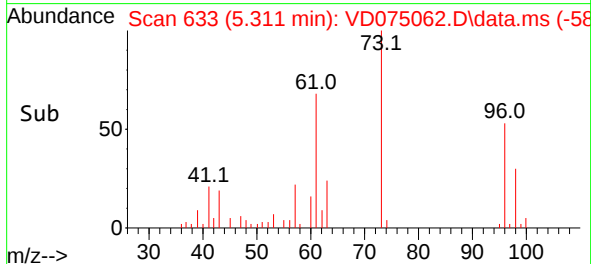
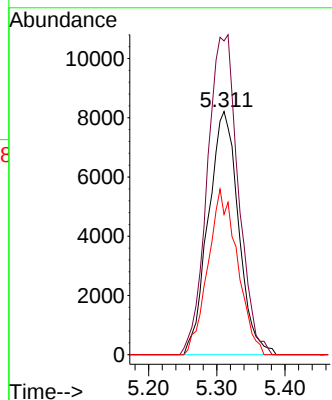
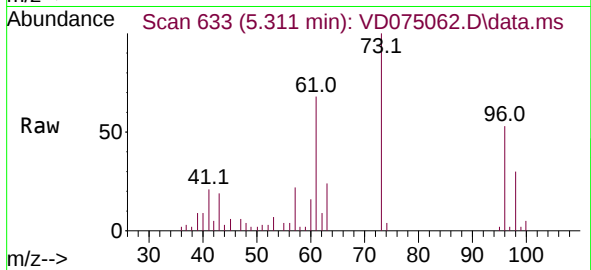




#21  
trans-1,2-Dichloroethene  
Concen: 22.156 ug/l  
RT: 5.311 min Scan# 611  
Delta R.T. -0.000 min  
Lab File: VD075062.D  
Acq: 28 Dec 2022 13:30

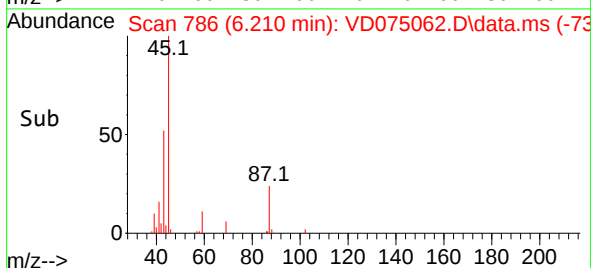
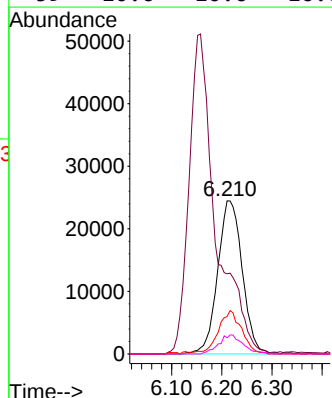
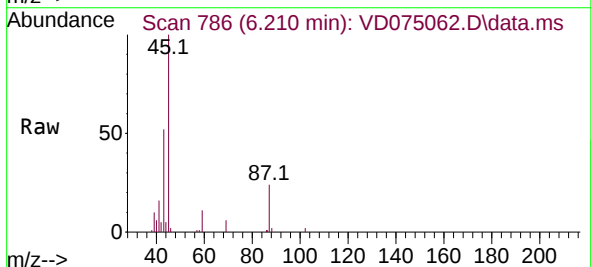
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1228SBS01

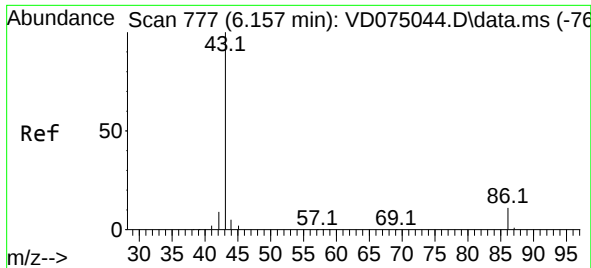
Tgt Ion: 96 Resp: 25359  
Ion Ratio Lower Upper  
96 100  
61 129.1 86.7 130.1  
98 57.7 49.8 74.8



#22  
Diisopropyl ether  
Concen: 21.577 ug/l  
RT: 6.210 min Scan# 786  
Delta R.T. -0.006 min  
Lab File: VD075062.D  
Acq: 28 Dec 2022 13:30

Tgt Ion: 45 Resp: 83410  
Ion Ratio Lower Upper  
45 100  
43 50.9 39.8 59.8  
87 24.5 27.5 41.3#  
59 10.6 10.6 16.0#

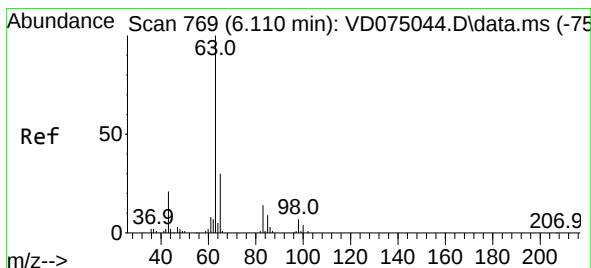
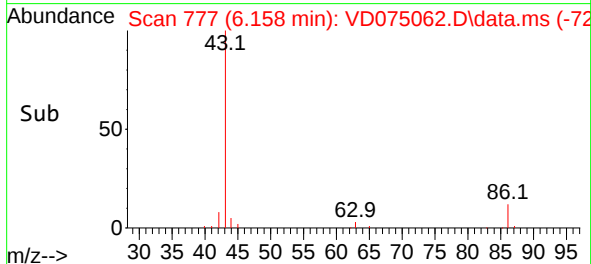
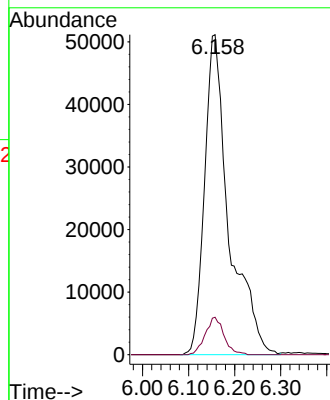
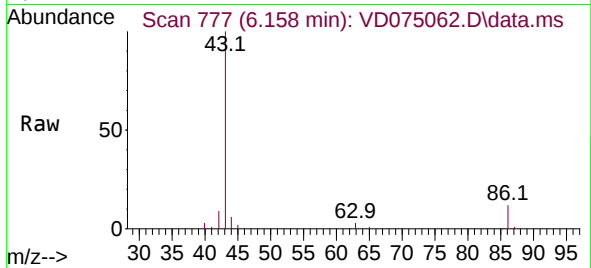




#23  
 Vinyl Acetate  
 Concen: 107.952 ug/l  
 RT: 6.158 min Scan# 71  
 Delta R.T. 0.006 min  
 Lab File: VD075062.D  
 Acq: 28 Dec 2022 13:30

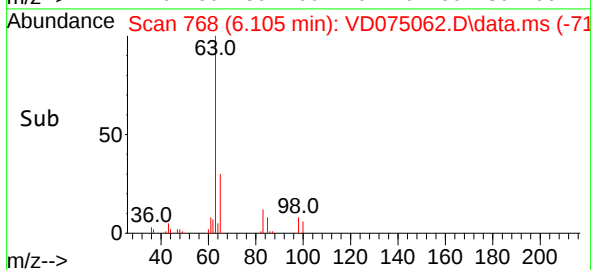
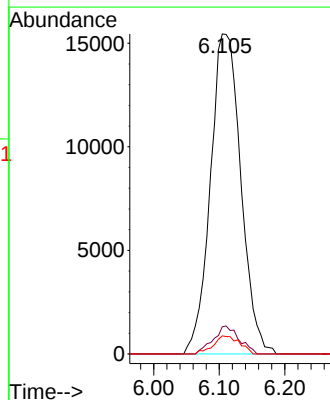
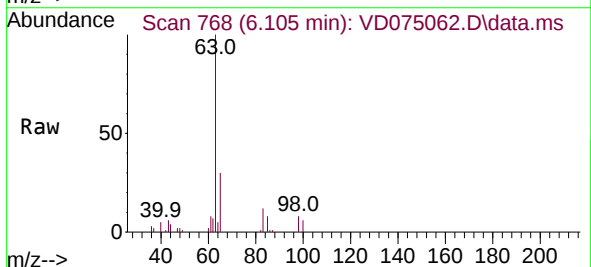
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1228SBS01

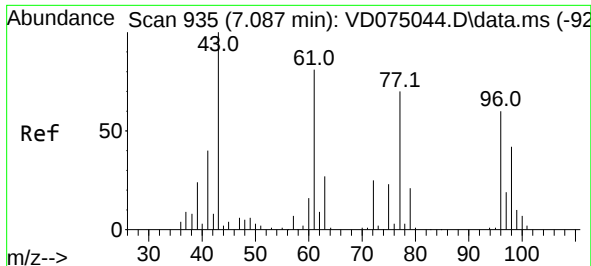
Tgt Ion: 43 Resp: 188724  
 Ion Ratio Lower Upper  
 43 100  
 86 11.7 11.4 17.0



#24  
 1,1-Dichloroethane  
 Concen: 22.101 ug/l  
 RT: 6.105 min Scan# 768  
 Delta R.T. -0.006 min  
 Lab File: VD075062.D  
 Acq: 28 Dec 2022 13:30

Tgt Ion: 63 Resp: 49901  
 Ion Ratio Lower Upper  
 63 100  
 98 8.5 4.3 13.1  
 100 5.6 2.5 7.4





#25

2-Butanone

Concen: 103.808 ug/l

RT: 7.087 min Scan# 91

Delta R.T. 0.006 min

Lab File: VD075062.D

Acq: 28 Dec 2022 13:30

Instrument :

MSVOA\_D

ClientSampleId :

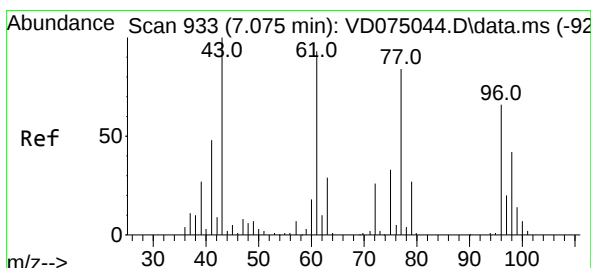
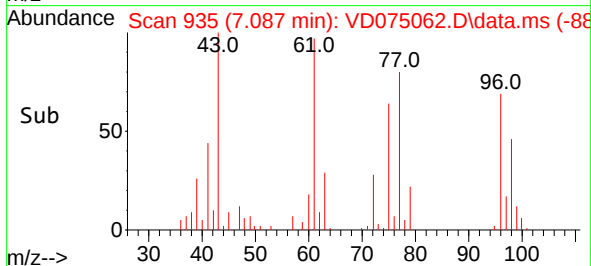
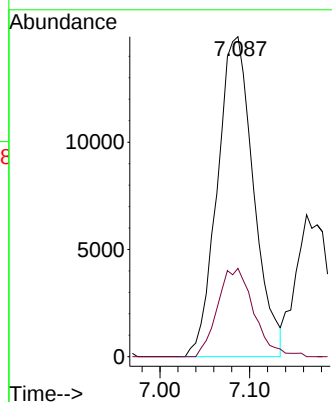
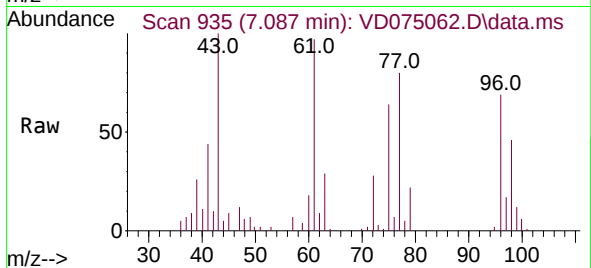
VD1228SBS01

Tgt Ion: 43 Resp: 41861

Ion Ratio Lower Upper

43 100

72 27.6 28.4 42.6#



#26

2,2-Dichloropropane

Concen: 21.640 ug/l

RT: 7.081 min Scan# 934

Delta R.T. 0.006 min

Lab File: VD075062.D

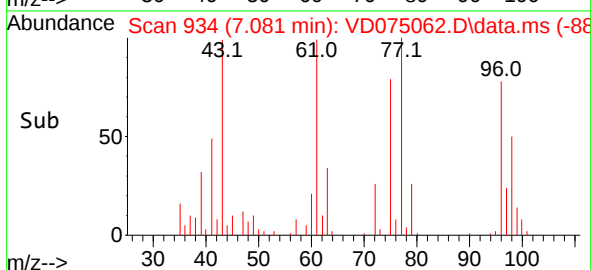
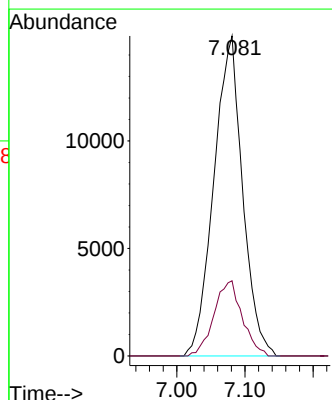
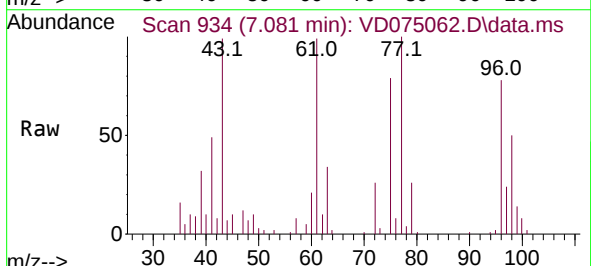
Acq: 28 Dec 2022 13:30

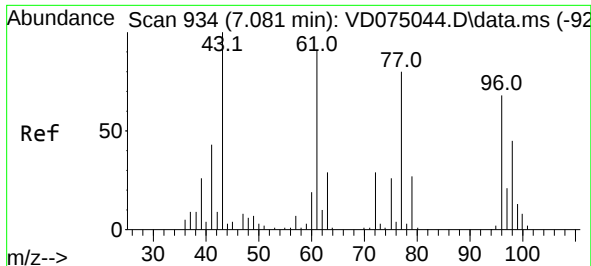
Tgt Ion: 77 Resp: 43647

Ion Ratio Lower Upper

77 100

97 23.1 12.6 37.6

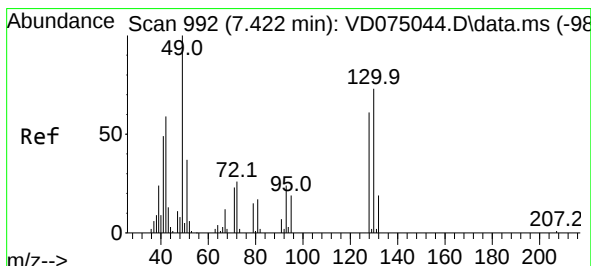
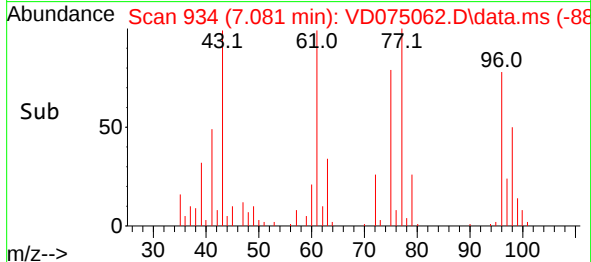
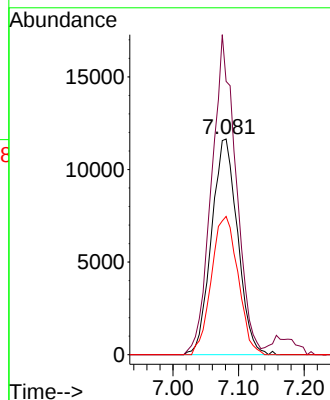
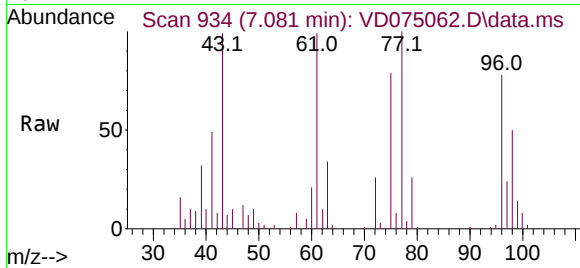




#27  
 cis-1,2-Dichloroethene  
 Concen: 22.309 ug/l  
 RT: 7.081 min Scan# 912  
 Delta R.T. 0.006 min  
 Lab File: VD075062.D  
 Acq: 28 Dec 2022 13:30

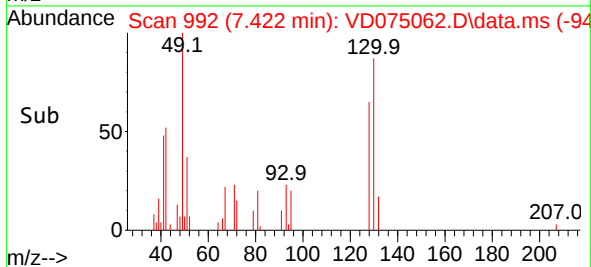
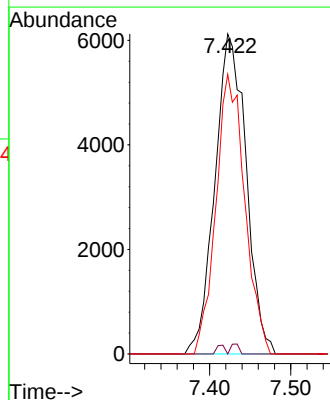
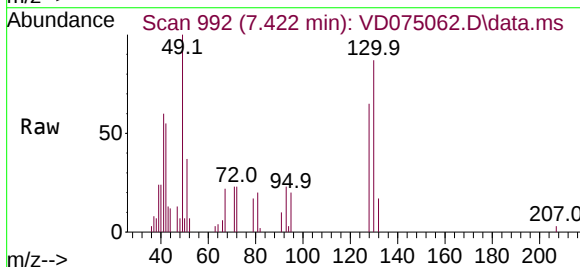
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1228SBSD01

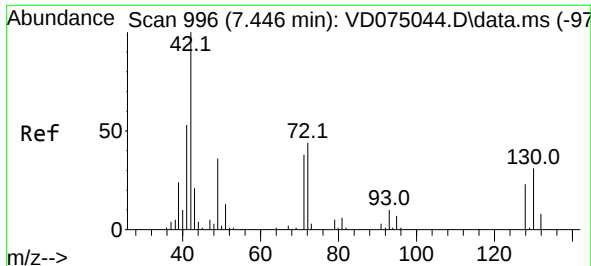
|             |             |       |       |
|-------------|-------------|-------|-------|
| Tgt Ion: 96 | Resp: 32209 |       |       |
| Ion Ratio   | Lower       | Upper |       |
| 96          | 100         |       |       |
| 61          | 139.5       | 0.0   | 244.6 |
| 98          | 65.5        | 0.0   | 131.0 |



#28  
 Bromochloromethane  
 Concen: 20.896 ug/l  
 RT: 7.422 min Scan# 992  
 Delta R.T. 0.000 min  
 Lab File: VD075062.D  
 Acq: 28 Dec 2022 13:30

|             |             |
|-------------|-------------|
| Tgt Ion: 49 | Resp: 16332 |
| Ion Ratio   | Lower Upper |
| 49 100      |             |
| 129 0.7     | 0.0 5.0     |
| 130 80.7    | 78.2 117.4  |





#29

Tetrahydrofuran

Concen: 97.607 ug/l

RT: 7.440 min Scan# 996

Delta R.T. -0.006 min

Lab File: VD075062.D

Acq: 28 Dec 2022 13:30

Instrument :

MSVOA\_D

ClientSampleId :

VD1228SBSD01

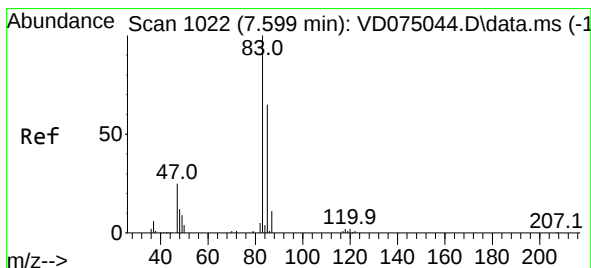
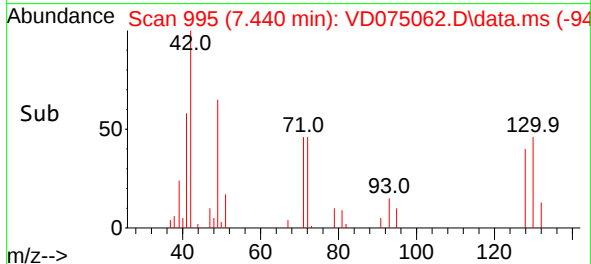
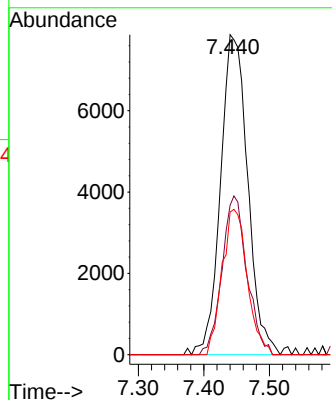
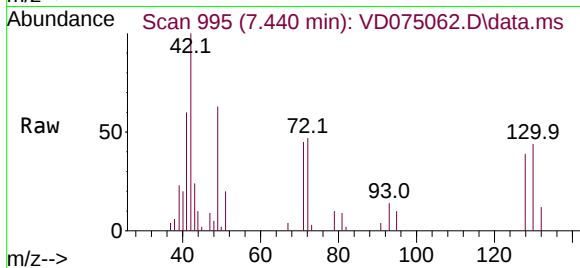
Tgt Ion: 42 Resp: 22692

Ion Ratio Lower Upper

42 100

72 45.5 43.8 65.8

71 42.0 41.1 61.7



#30

Chloroform

Concen: 21.715 ug/l

RT: 7.599 min Scan# 1022

Delta R.T. 0.006 min

Lab File: VD075062.D

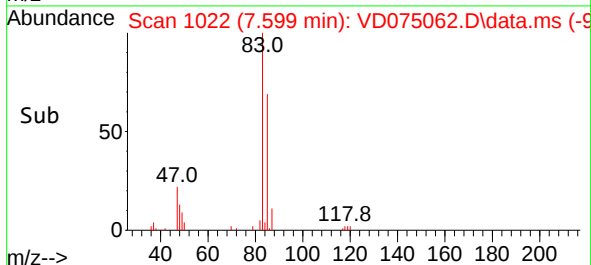
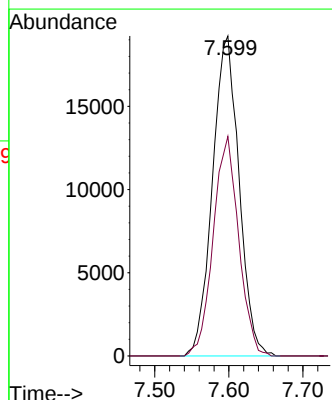
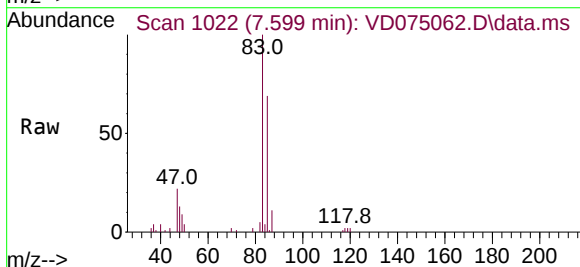
Acq: 28 Dec 2022 13:30

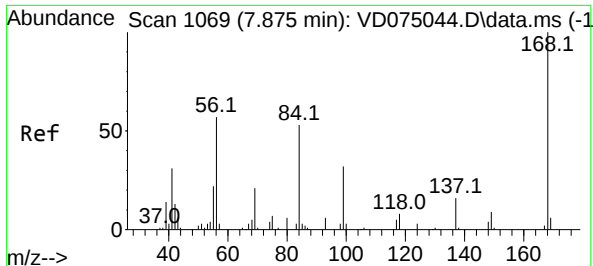
Tgt Ion: 83 Resp: 47875

Ion Ratio Lower Upper

83 100

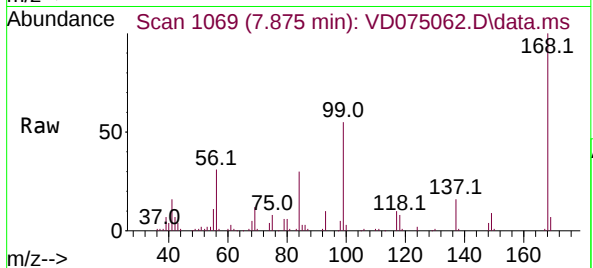
85 68.6 51.4 77.0



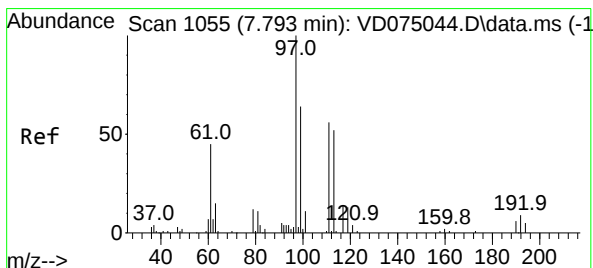
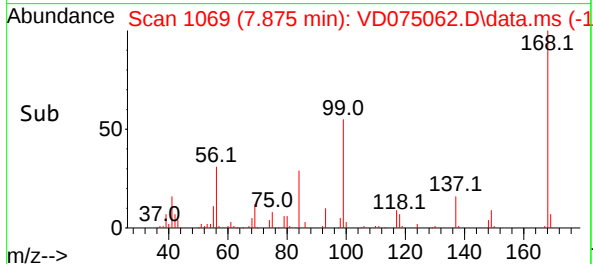
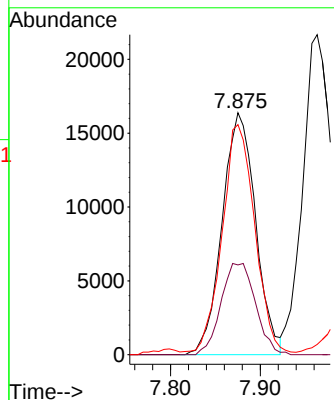


#31  
Cyclohexane  
Concen: 23.899 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. 0.000 min  
Lab File: VD075062.D  
Acq: 28 Dec 2022 13:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1228SBSD01

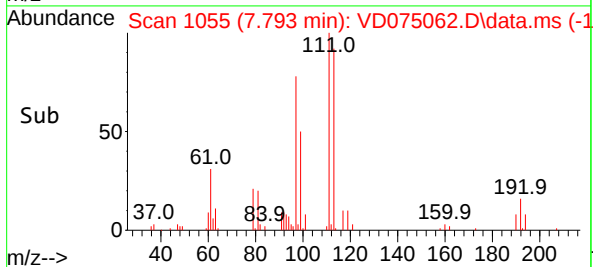
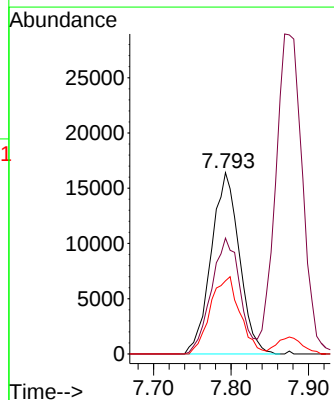
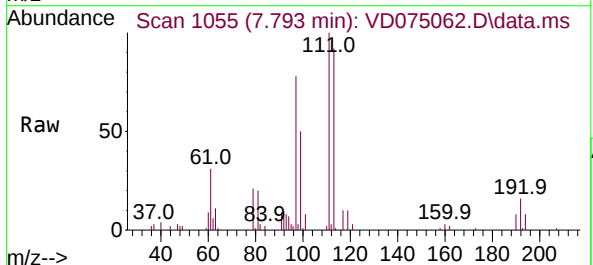


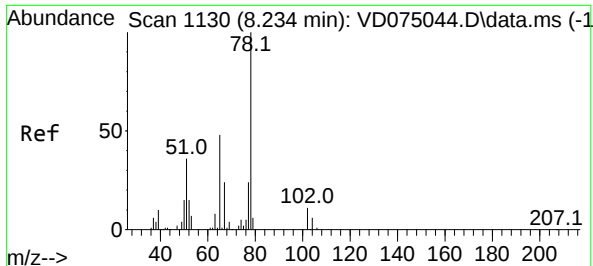
Tgt Ion: 56 Resp: 42439  
Ion Ratio Lower Upper  
56 100  
69 37.1 29.4 44.2  
84 94.0 81.8 122.8



#32  
1,1,1-Trichloroethane  
Concen: 21.680 ug/l  
RT: 7.793 min Scan# 1055  
Delta R.T. -0.000 min  
Lab File: VD075062.D  
Acq: 28 Dec 2022 13:30

Tgt Ion: 97 Resp: 41359  
Ion Ratio Lower Upper  
97 100  
99 65.4 51.6 77.4  
61 45.0 30.3 45.5





#33

1,2-Dichloroethane-d4

Concen: 52.986 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD075062.D

Acq: 28 Dec 2022 13:30

Instrument :

MSVOA\_D

ClientSampleId :

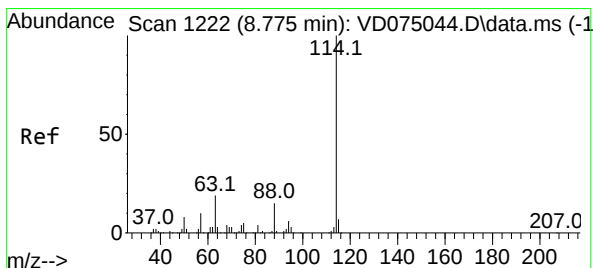
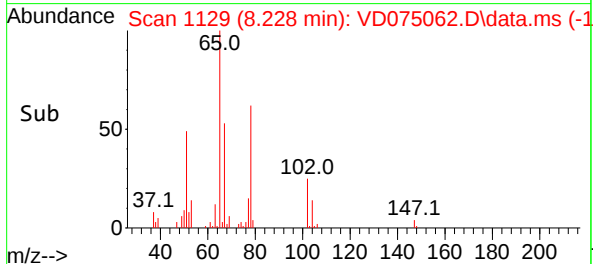
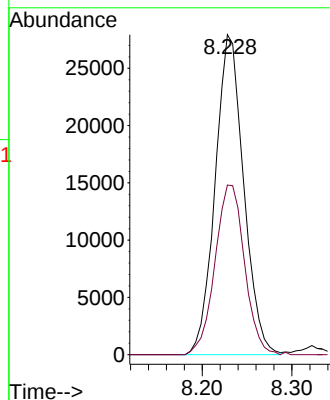
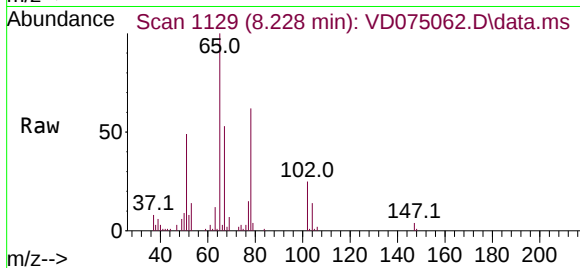
VD1228SBS01

Tgt Ion: 65 Resp: 61649

Ion Ratio Lower Upper

65 100

67 55.0 0.0 111.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD075062.D

Acq: 28 Dec 2022 13:30

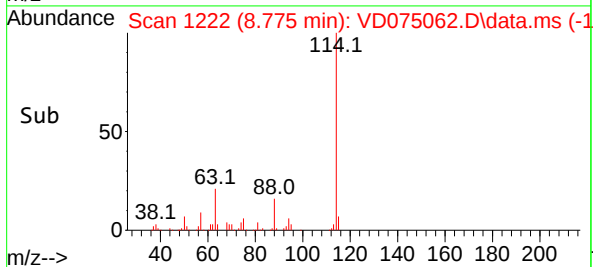
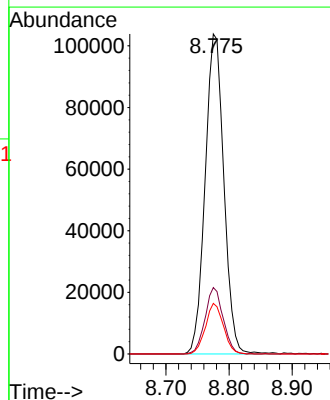
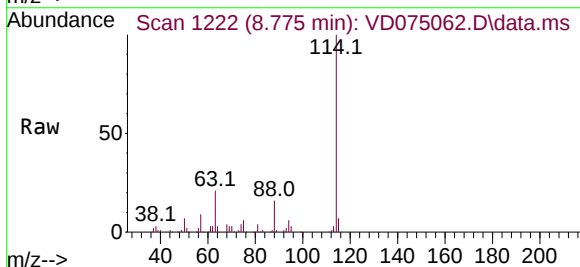
Tgt Ion: 114 Resp: 214041

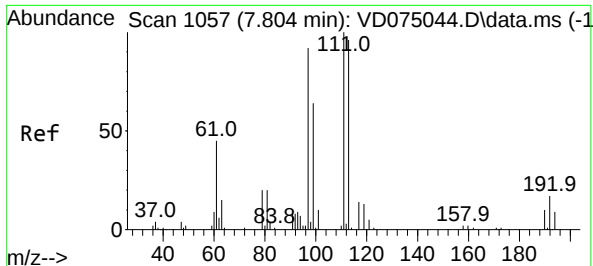
Ion Ratio Lower Upper

114 100

63 20.8 0.0 33.8

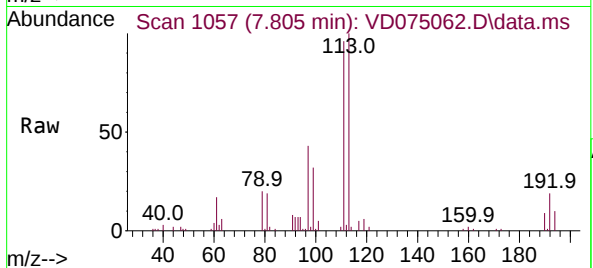
88 15.8 0.0 27.8





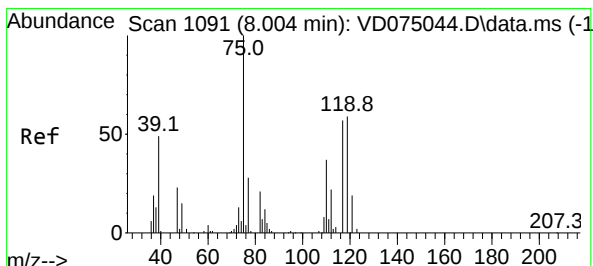
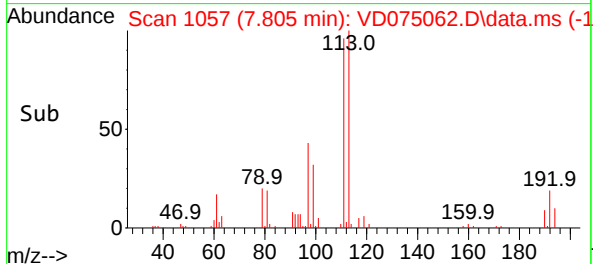
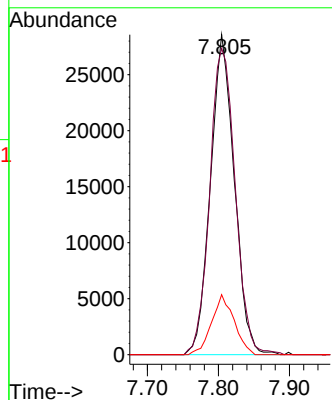
#35  
 Dibromofluoromethane  
 Concen: 52.811 ug/l  
 RT: 7.805 min Scan# 1057  
 Delta R.T. -0.000 min  
 Lab File: VD075062.D  
 Acq: 28 Dec 2022 13:30

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1228SBSD01



Tgt Ion:113 Resp: 66516

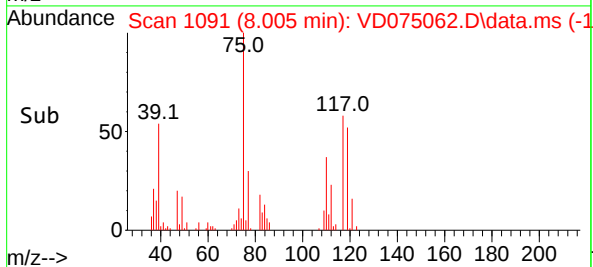
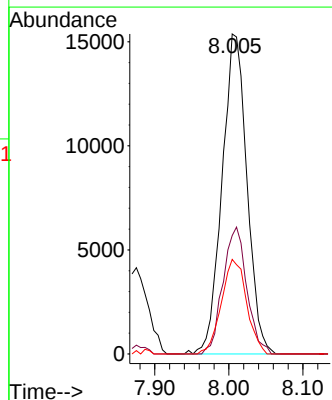
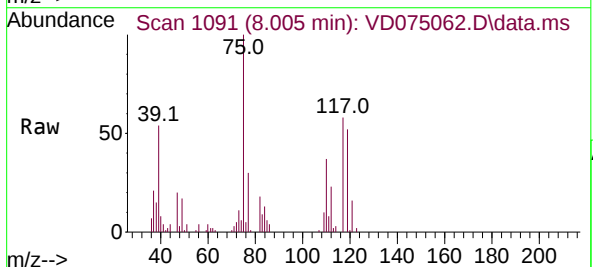
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 102.4 | 82.1  | 123.1 |
| 192 | 17.8  | 15.1  | 22.7  |

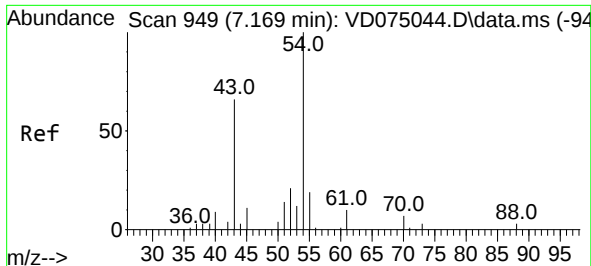


#36  
 1,1-Dichloropropene  
 Concen: 22.030 ug/l  
 RT: 8.005 min Scan# 1091  
 Delta R.T. -0.005 min  
 Lab File: VD075062.D  
 Acq: 28 Dec 2022 13:30

Tgt Ion: 75 Resp: 35840

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 110 | 38.1  | 19.0  | 57.0  |
| 77  | 29.9  | 25.2  | 37.8  |





#37

Ethyl Acetate

Concen: 22.210 ug/l

RT: 7.163 min Scan# 949

Delta R.T. -0.006 min

Lab File: VD075062.D

Acq: 28 Dec 2022 13:30

Instrument :

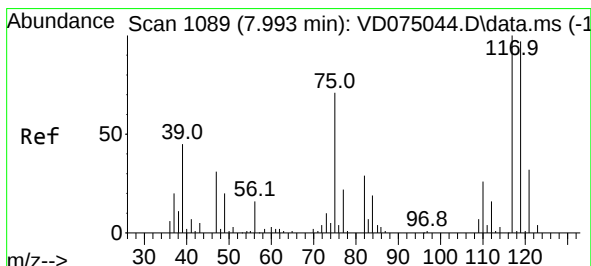
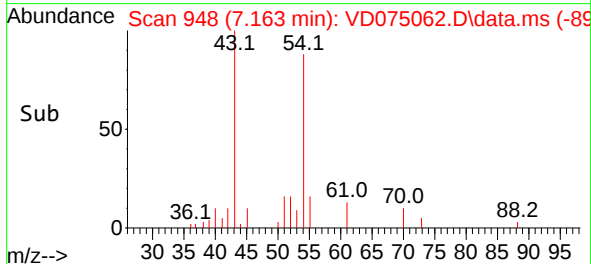
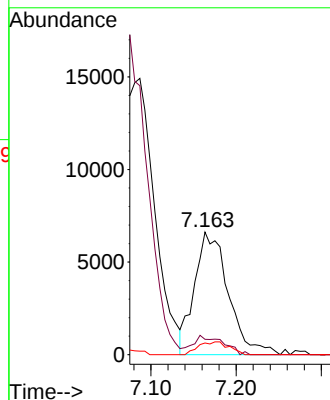
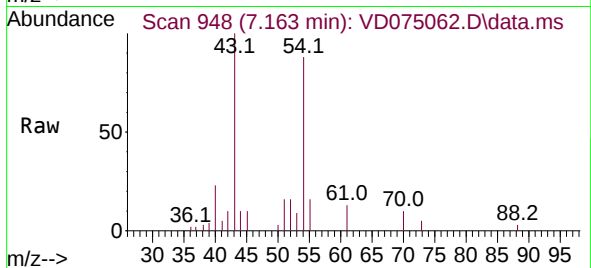
MSVOA\_D

ClientSampleId :

VD1228SBS01

Tgt Ion: 43 Resp: 18252

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 61  | 13.5  | 12.8  | 19.2  |
| 70  | 0.0   | 10.2  | 15.4  |



#38

Carbon Tetrachloride

Concen: 21.926 ug/l

RT: 7.993 min Scan# 1089

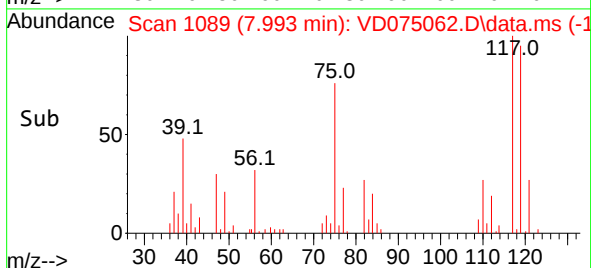
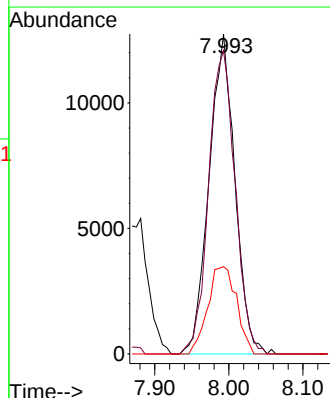
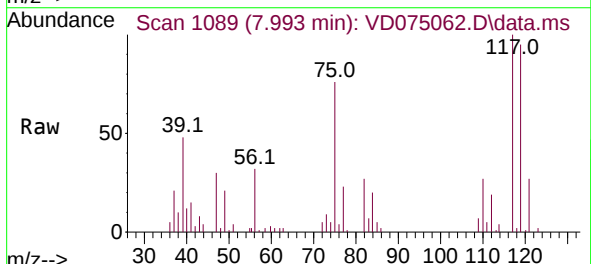
Delta R.T. -0.000 min

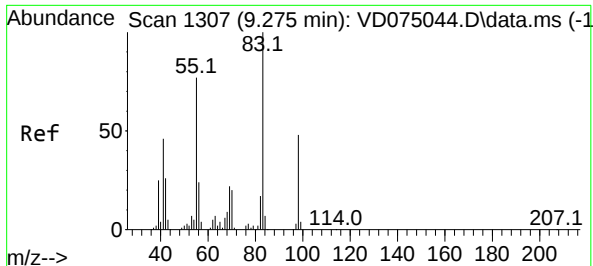
Lab File: VD075062.D

Acq: 28 Dec 2022 13:30

Tgt Ion: 117 Resp: 30844

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 119 | 94.7  | 75.8  | 113.6 |
| 121 | 27.3  | 25.4  | 38.0  |





#39

Methylcyclohexane

Concen: 22.781 ug/l

RT: 9.269 min Scan# 11306

Delta R.T. 0.000 min

Lab File: VD075062.D

Acq: 28 Dec 2022 13:30

Instrument :

MSVOA\_D

ClientSampleId :

VD1228SBSD01

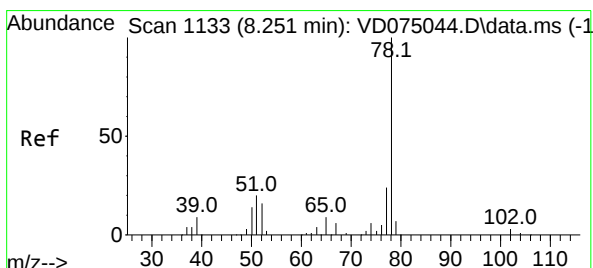
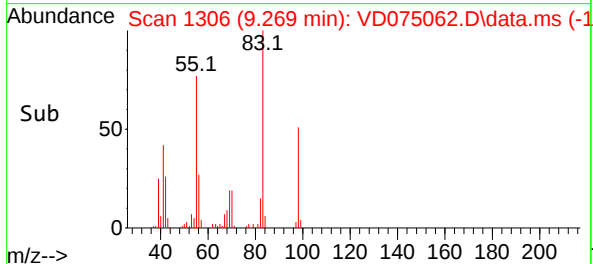
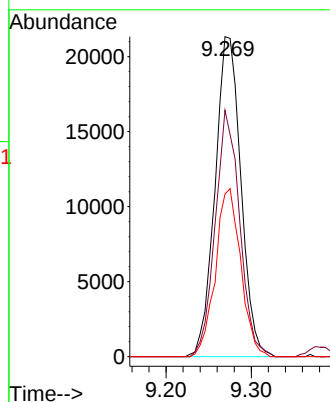
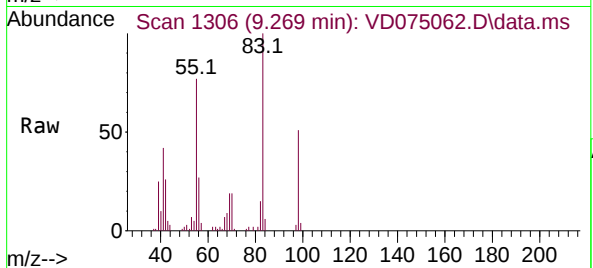
Tgt Ion: 83 Resp: 45010

Ion Ratio Lower Upper

83 100

55 77.0 53.1 79.7

98 50.8 37.5 56.3



#40

Benzene

Concen: 22.150 ug/l

RT: 8.252 min Scan# 1133

Delta R.T. -0.000 min

Lab File: VD075062.D

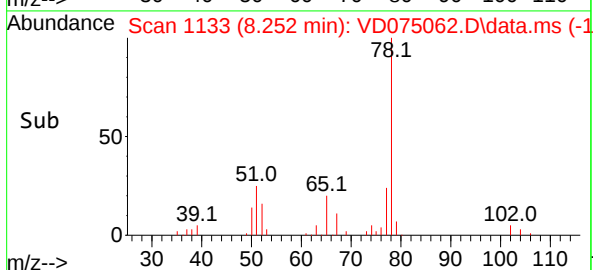
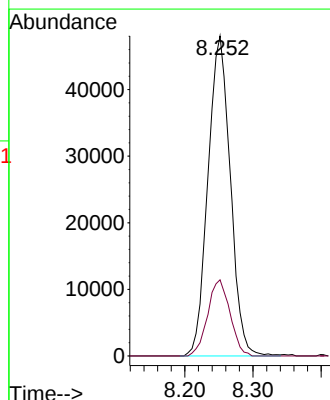
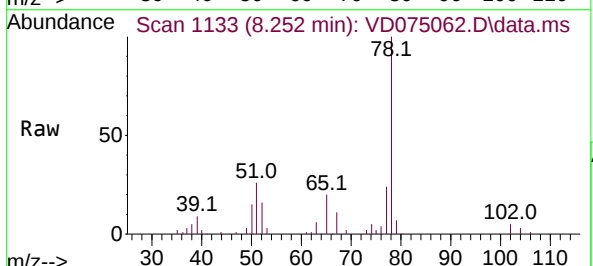
Acq: 28 Dec 2022 13:30

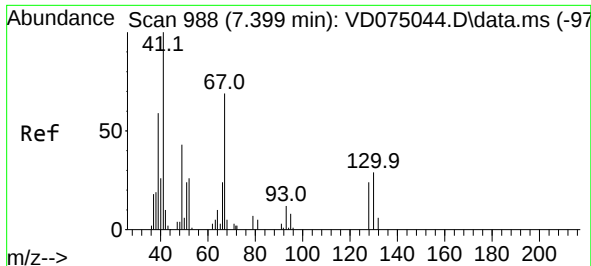
Tgt Ion: 78 Resp: 109710

Ion Ratio Lower Upper

78 100

77 23.8 18.6 27.8

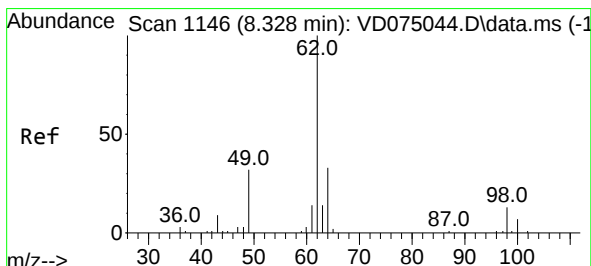
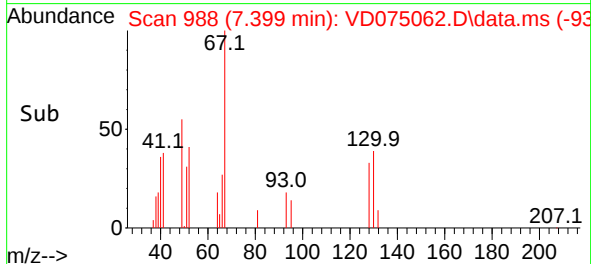
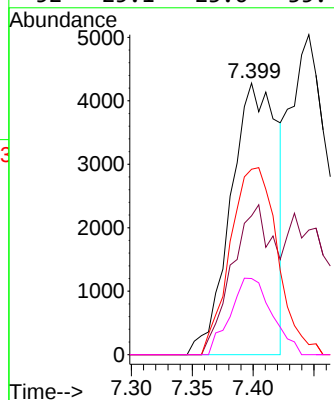
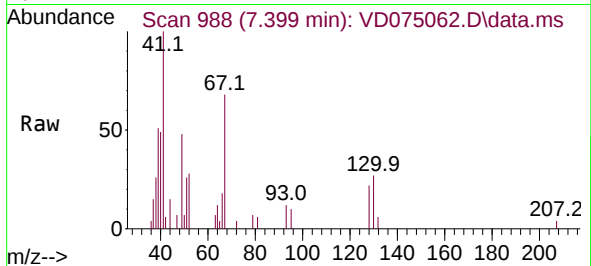




#41  
Methacrylonitrile  
Concen: 22.248 ug/l  
RT: 7.399 min Scan# 911  
Delta R.T. -0.006 min  
Lab File: VD075062.D  
Acq: 28 Dec 2022 13:30

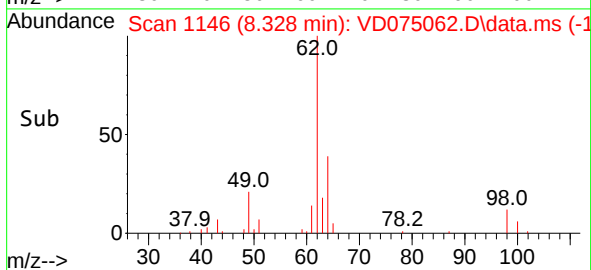
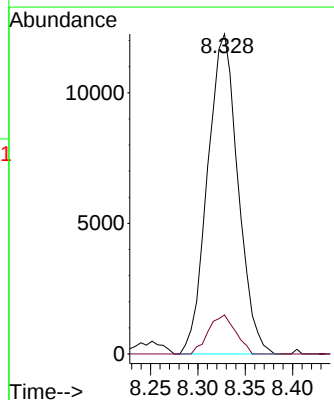
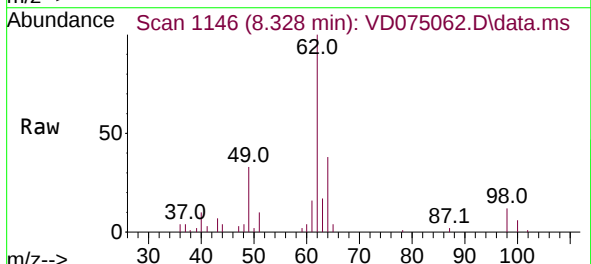
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MSVOA\_D  
ClientSampleId :  
VD1228SBS01

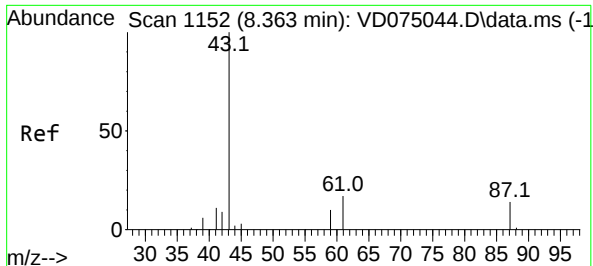
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 11376 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 50.1  | 44.8  | 67.2  |
| 67       | 70.1  | 69.6  | 104.4 |
| 52       | 25.1  | 23.6  | 35.4  |



#42  
1,2-Dichloroethane  
Concen: 21.713 ug/l  
RT: 8.328 min Scan# 1146  
Delta R.T. 0.006 min  
Lab File: VD075062.D  
Acq: 28 Dec 2022 13:30

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 27438 |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 10.9  | 0.0   | 23.4  |

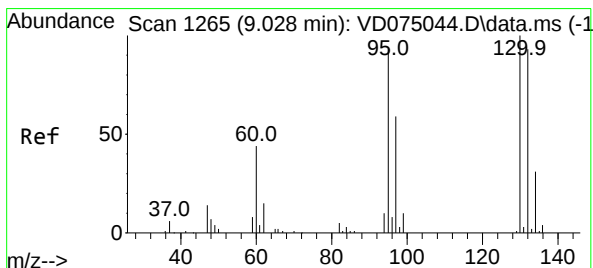
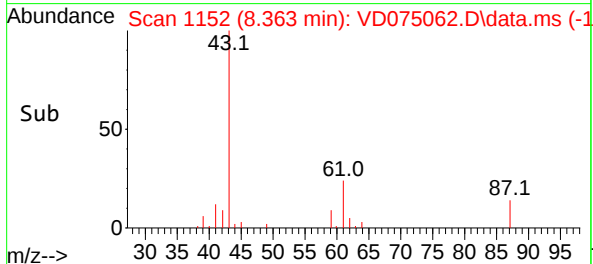
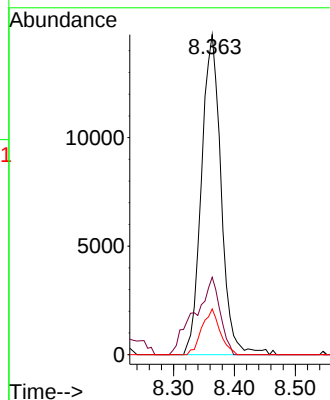
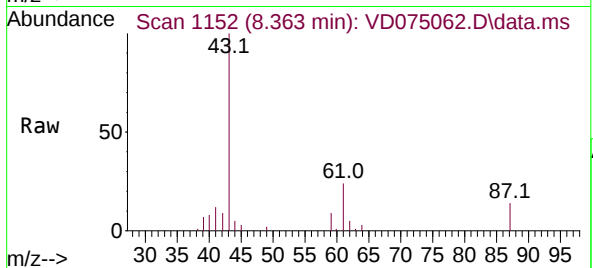




#43  
Isopropyl Acetate  
Concen: 19.949 ug/l  
RT: 8.363 min Scan# 1152  
Delta R.T. 0.006 min  
Lab File: VD075062.D  
Acq: 28 Dec 2022 13:30

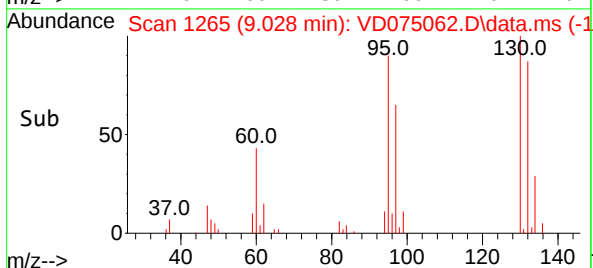
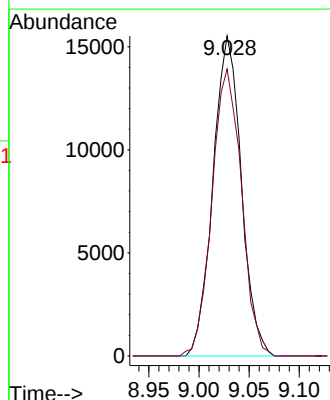
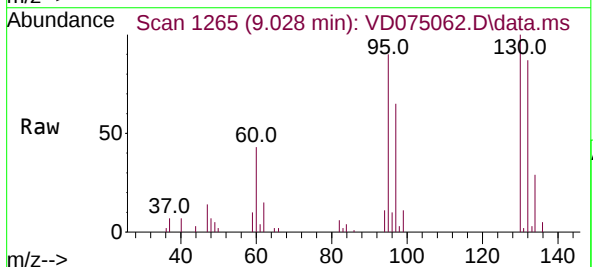
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1228SBSD01

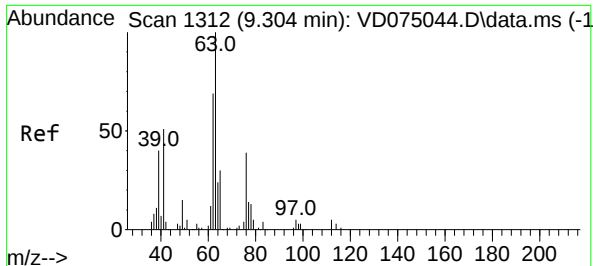
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 31.3  | 28.2  | 42.4  |
| 87      | 13.2  | 13.6  | 20.4  |



#44  
Trichloroethene  
Concen: 22.332 ug/l  
RT: 9.028 min Scan# 1265  
Delta R.T. -0.000 min  
Lab File: VD075062.D  
Acq: 28 Dec 2022 13:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 89.6  | 0.0   | 190.0 |





#45

1,2-Dichloropropane

Concen: 21.657 ug/l

RT: 9.304 min Scan# 1312

Delta R.T. 0.000 min

Lab File: VD075062.D

Acq: 28 Dec 2022 13:30

Instrument :

MSVOA\_D

ClientSampleId :

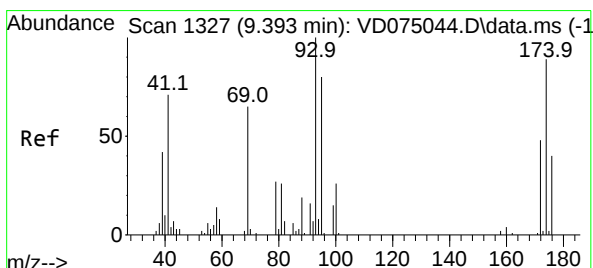
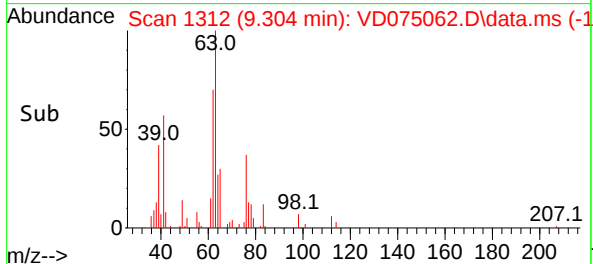
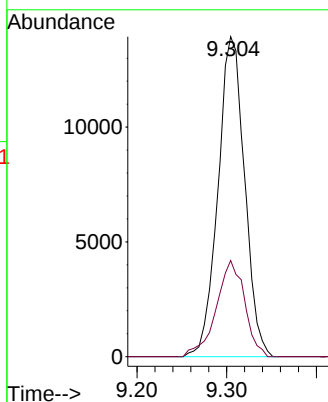
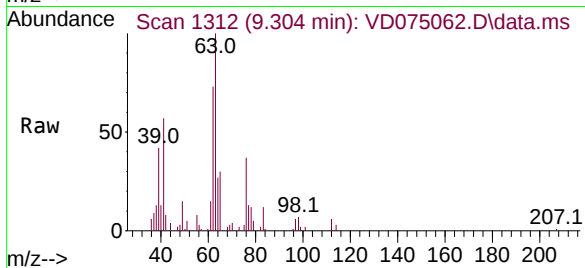
VD1228SBS01

Tgt Ion: 63 Resp: 28732

Ion Ratio Lower Upper

63 100

65 30.0 27.0 40.6



#46

Dibromomethane

Concen: 21.309 ug/l

RT: 9.393 min Scan# 1327

Delta R.T. -0.000 min

Lab File: VD075062.D

Acq: 28 Dec 2022 13:30

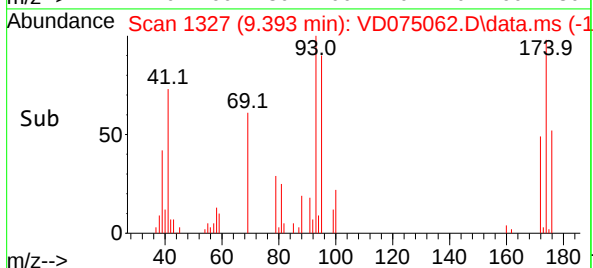
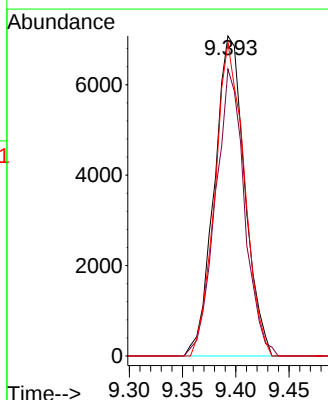
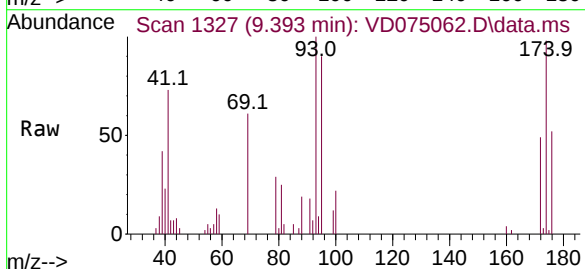
Tgt Ion: 93 Resp: 14060

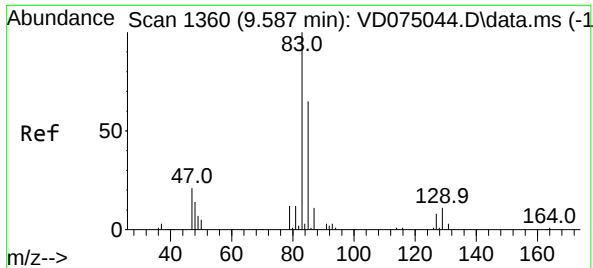
Ion Ratio Lower Upper

93 100

95 85.4 65.7 98.5

174 94.2 74.7 112.1

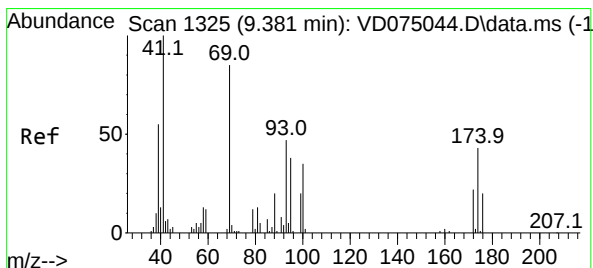
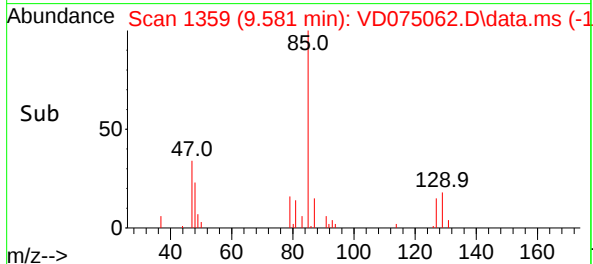
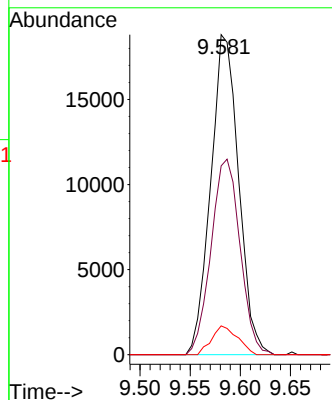
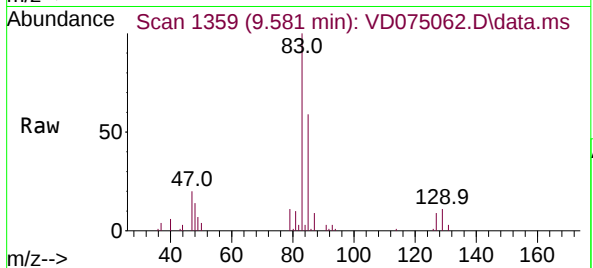




#47  
Bromodichloromethane  
Concen: 21.179 ug/l  
RT: 9.581 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD075062.D  
Acq: 28 Dec 2022 13:30

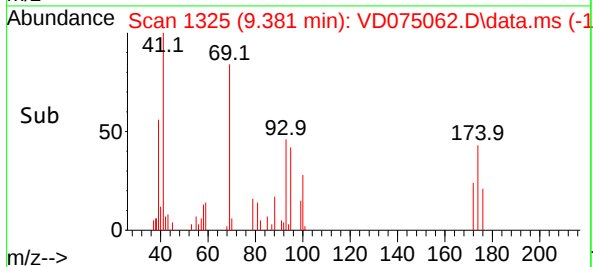
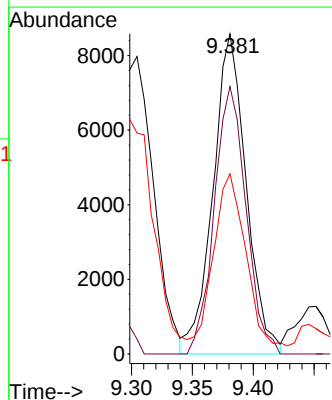
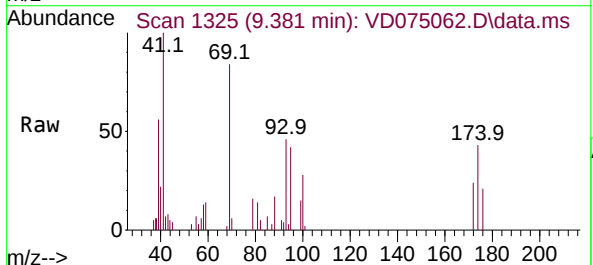
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1228SBSD01

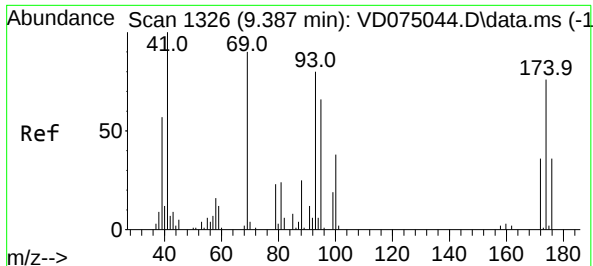
|             |                |
|-------------|----------------|
| Tgt Ion: 83 | Resp: 36391    |
| Ion Ratio   | Lower Upper    |
| 83          | 100            |
| 85          | 59.0 51.8 77.8 |
| 127         | 9.0 7.2 10.8   |



#48  
Methyl methacrylate  
Concen: 21.670 ug/l  
RT: 9.381 min Scan# 1325  
Delta R.T. -0.000 min  
Lab File: VD075062.D  
Acq: 28 Dec 2022 13:30

|             |                  |
|-------------|------------------|
| Tgt Ion: 41 | Resp: 16273      |
| Ion Ratio   | Lower Upper      |
| 41          | 100              |
| 69          | 80.1 84.8 127.2# |
| 39          | 57.3 43.6 65.4   |





#49

1,4-Dioxane

Concen: 394.951 ug/l

RT: 9.387 min Scan# 1326

Delta R.T. 0.006 min

Lab File: VD075062.D

Acq: 28 Dec 2022 13:30

Instrument :

MSVOA\_D

ClientSampleId :

VD1228SBSD01

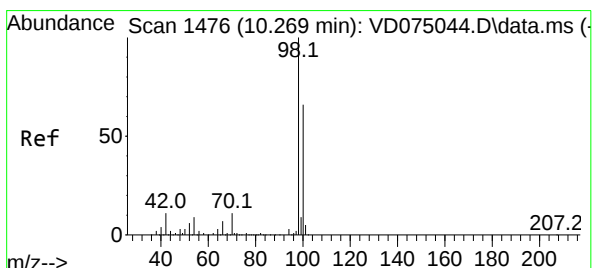
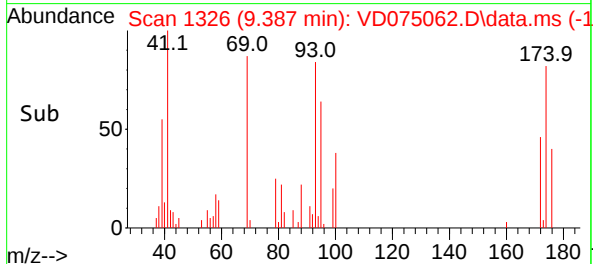
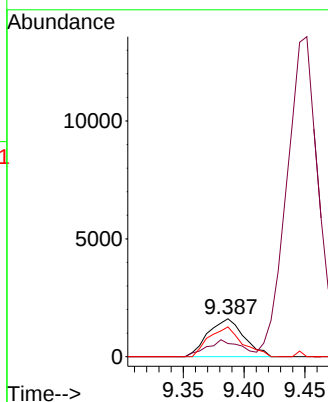
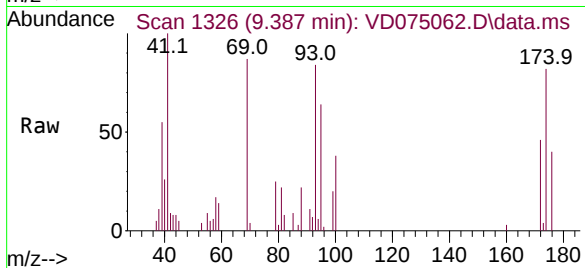
Tgt Ion: 88 Resp: 3284

Ion Ratio Lower Upper

88 100

43 42.6 23.9 35.9#

58 73.0 48.4 72.6#



#50

Toluene-d8

Concen: 50.296 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD075062.D

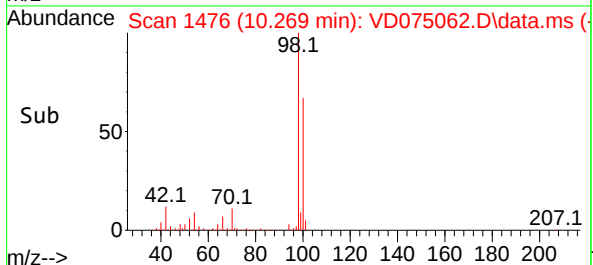
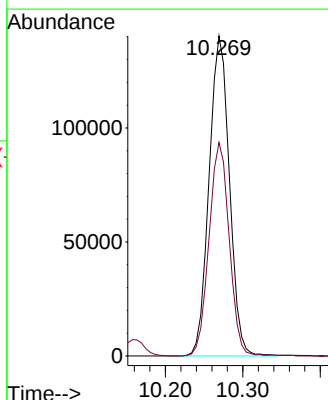
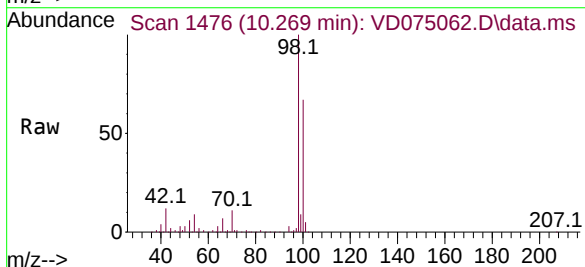
Acq: 28 Dec 2022 13:30

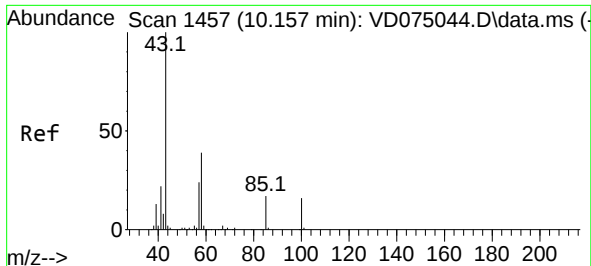
Tgt Ion: 98 Resp: 255962

Ion Ratio Lower Upper

98 100

100 66.1 52.2 78.2

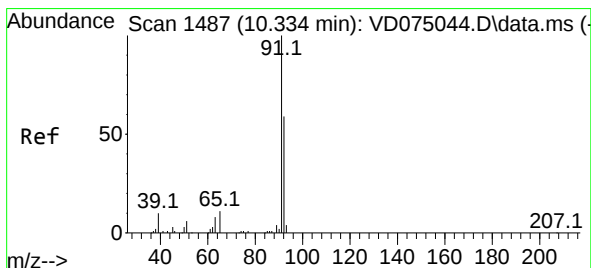
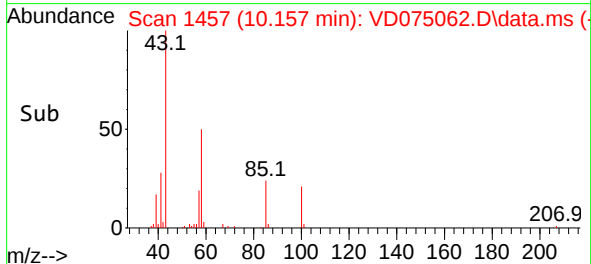
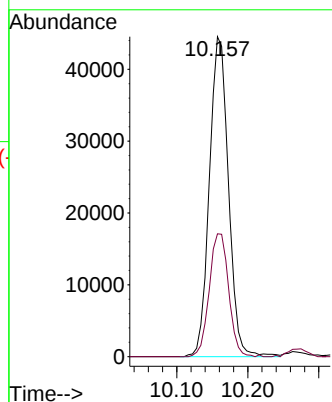
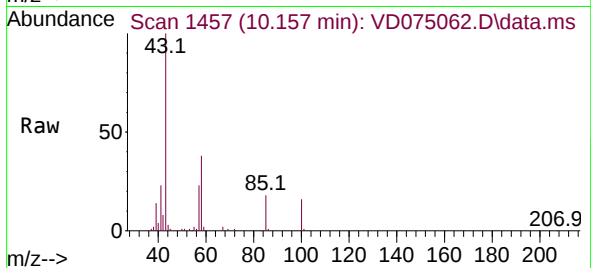




#51  
4-Methyl-2-Pentanone  
Concen: 101.725 ug/l  
RT: 10.157 min Scan# 1457  
Delta R.T. 0.000 min  
Lab File: VD075062.D  
Acq: 28 Dec 2022 13:30

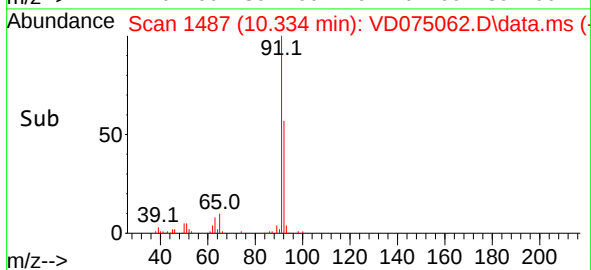
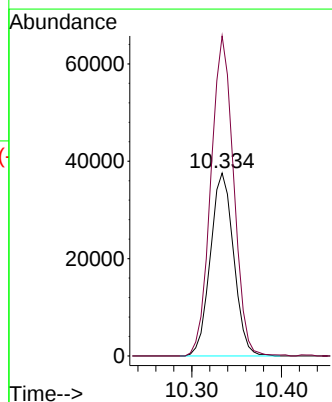
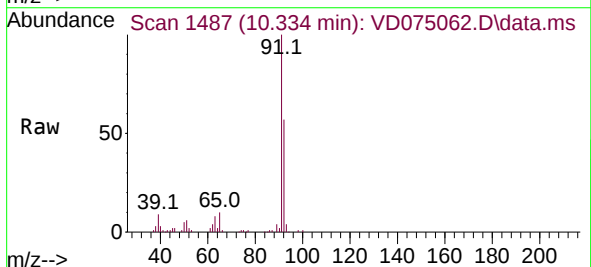
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MSVOA\_D  
ClientSampleId :  
VD1228SBSD01

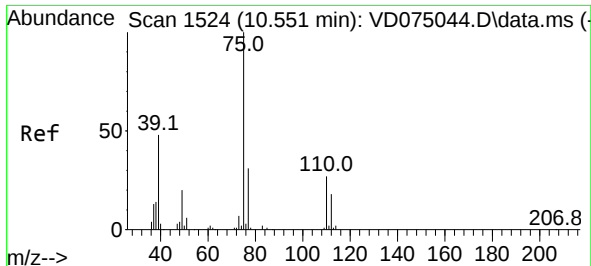
Tgt Ion: 43 Resp: 83079  
Ion Ratio Lower Upper  
43 100  
58 39.0 35.7 53.5



#52  
Toluene  
Concen: 21.450 ug/l  
RT: 10.334 min Scan# 1487  
Delta R.T. -0.000 min  
Lab File: VD075062.D  
Acq: 28 Dec 2022 13:30

Tgt Ion: 92 Resp: 67653  
Ion Ratio Lower Upper  
92 100  
91 171.4 139.3 208.9

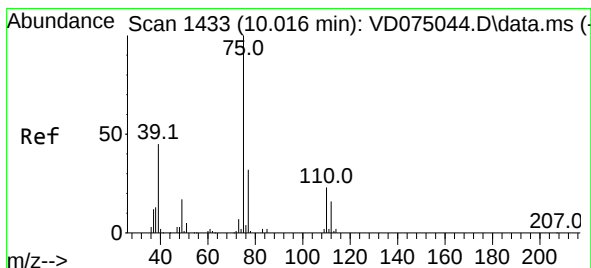
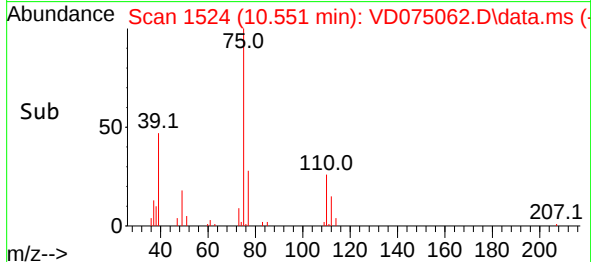
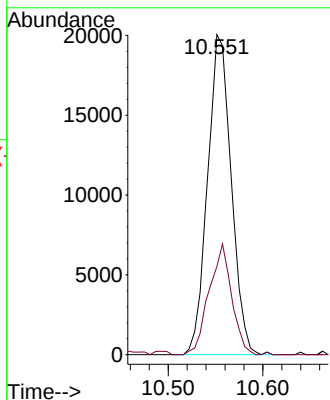
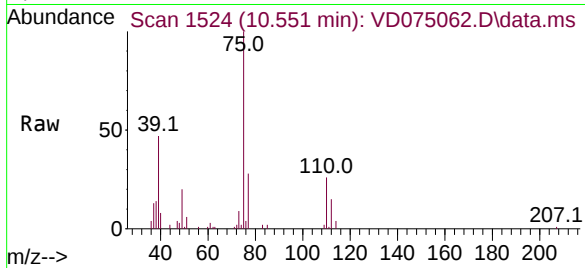




#53  
 t-1,3-Dichloropropene  
 Concen: 20.826 ug/l  
 RT: 10.551 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: VD075062.D  
 Acq: 28 Dec 2022 13:30

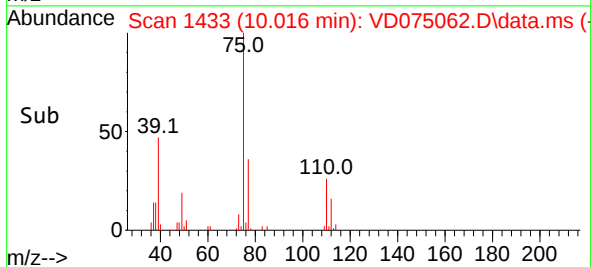
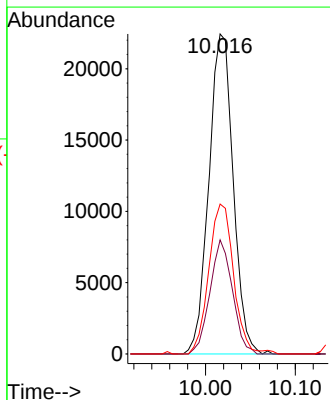
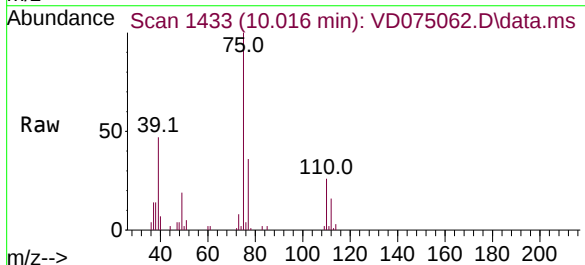
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1228SBSD01

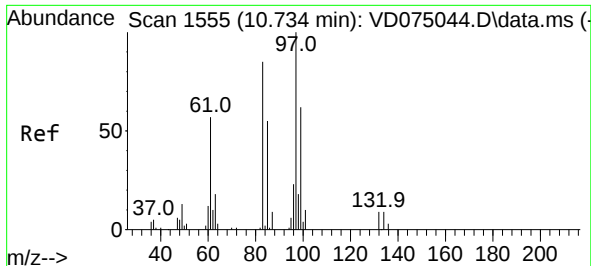
Tgt Ion: 75 Resp: 34817  
 Ion Ratio Lower Upper  
 75 100  
 77 27.6 26.6 39.8



#54  
 cis-1,3-Dichloropropene  
 Concen: 20.977 ug/l  
 RT: 10.016 min Scan# 1433  
 Delta R.T. 0.000 min  
 Lab File: VD075062.D  
 Acq: 28 Dec 2022 13:30

Tgt Ion: 75 Resp: 42259  
 Ion Ratio Lower Upper  
 75 100  
 77 35.7 25.5 38.3  
 39 46.9 25.7 38.5#

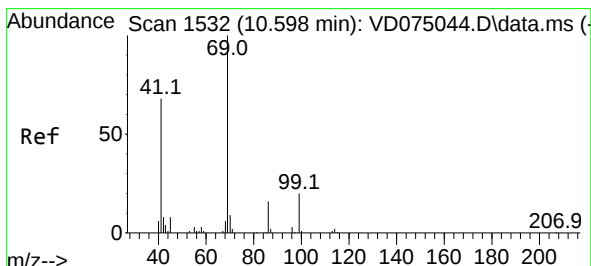
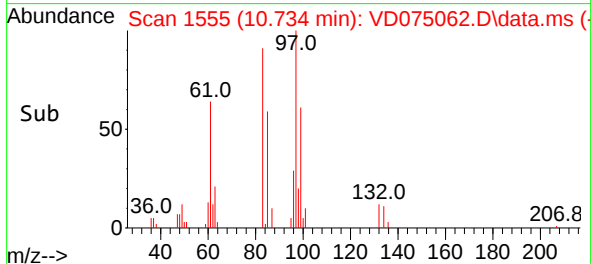
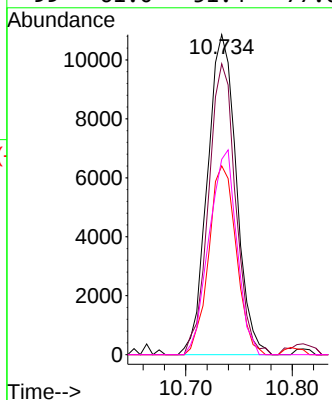
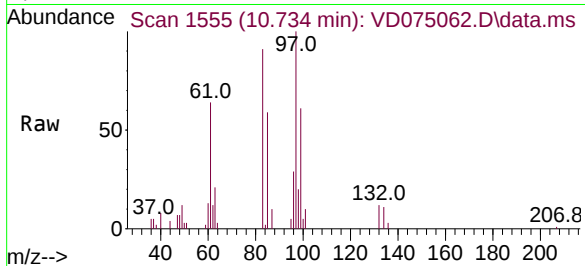




#55  
1,1,2-Trichloroethane  
Concen: 21.155 ug/l  
RT: 10.734 min Scan# 1555  
Delta R.T. -0.000 min  
Lab File: VD075062.D  
Acq: 28 Dec 2022 13:30

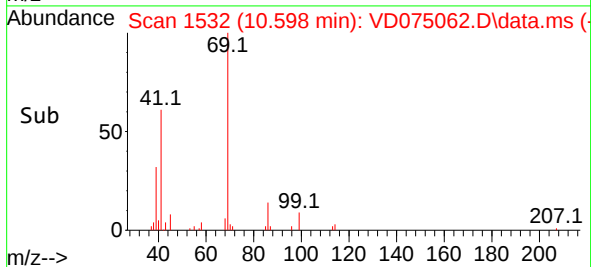
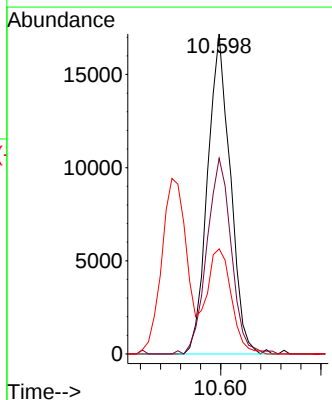
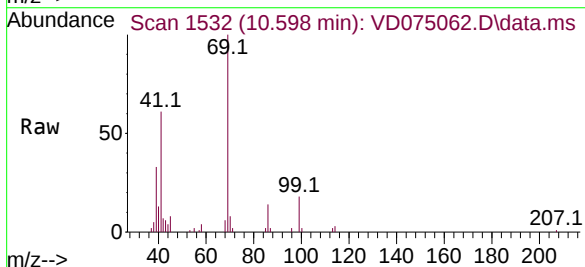
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1228SBS01

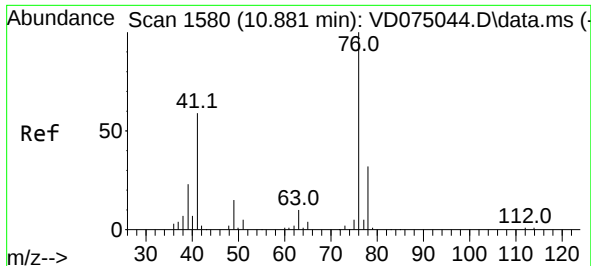
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 20439 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 90.9  | 65.1  | 97.7  |
| 85       | 59.0  | 43.3  | 64.9  |
| 99       | 61.0  | 51.4  | 77.0  |



#56  
Ethyl methacrylate  
Concen: 21.268 ug/l  
RT: 10.598 min Scan# 1532  
Delta R.T. -0.001 min  
Lab File: VD075062.D  
Acq: 28 Dec 2022 13:30

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 27048 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 66.0  | 42.2  | 63.4# |
| 39       | 36.0  | 20.2  | 30.4# |





#57

1,3-Dichloropropane

Concen: 21.488 ug/l

RT: 10.881 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD075062.D

Acq: 28 Dec 2022 13:30

Instrument :

MSVOA\_D

ClientSampleId :

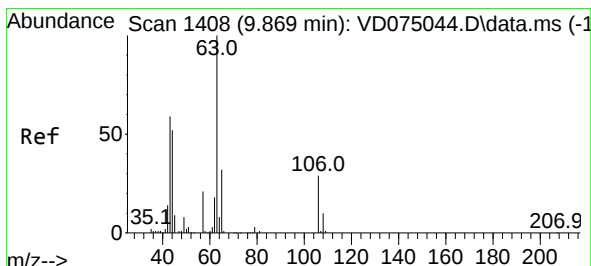
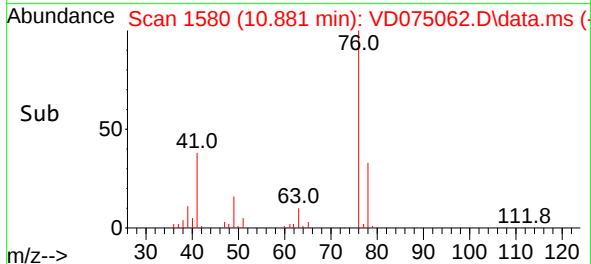
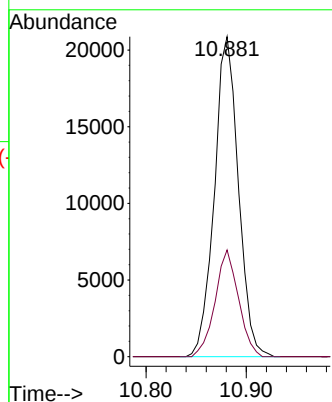
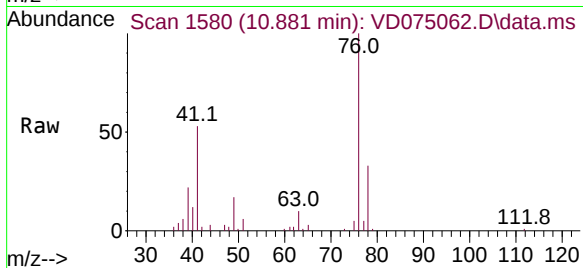
VD1228SBS01

Tgt Ion: 76 Resp: 34706

Ion Ratio Lower Upper

76 100

78 32.5 25.5 38.3



#58

2-Chloroethyl Vinyl ether

Concen: 98.890 ug/l

RT: 9.869 min Scan# 1408

Delta R.T. 0.000 min

Lab File: VD075062.D

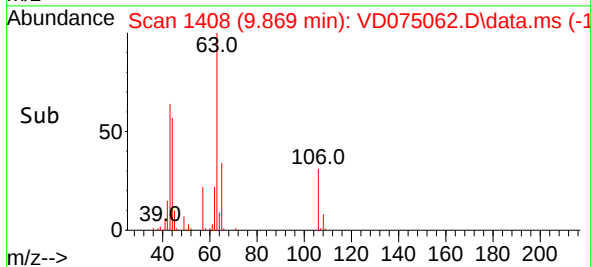
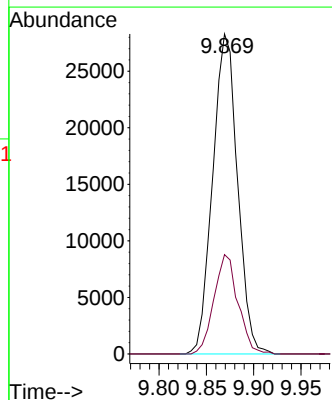
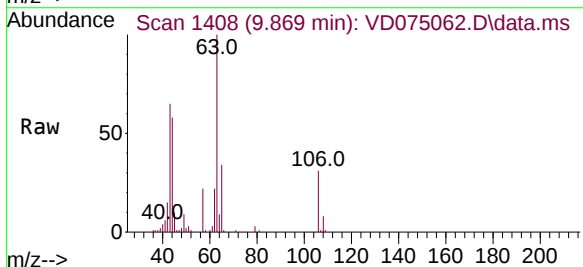
Acq: 28 Dec 2022 13:30

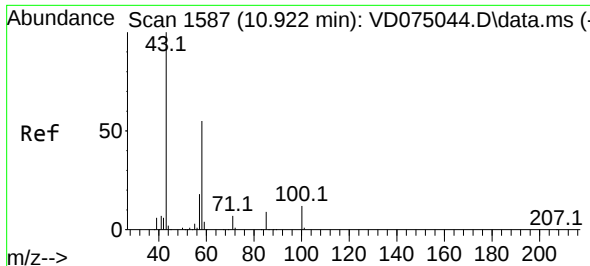
Tgt Ion: 63 Resp: 51623

Ion Ratio Lower Upper

63 100

106 30.0 25.3 37.9

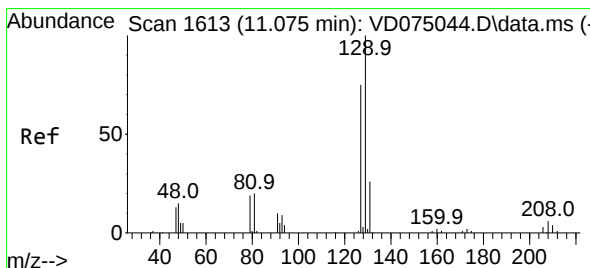
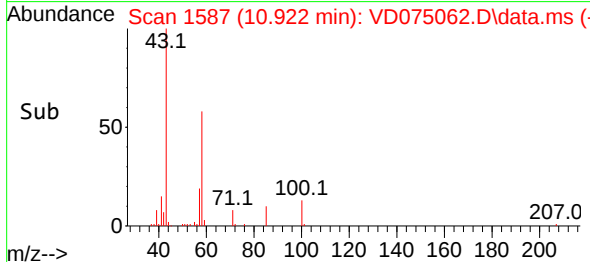
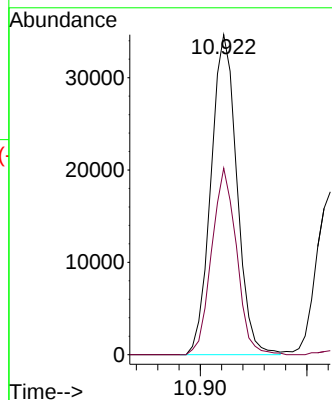
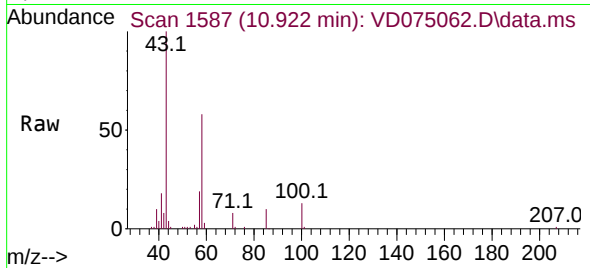




#59  
2-Hexanone  
Concen: 98.623 ug/l  
RT: 10.922 min Scan# 1587  
Delta R.T. 0.000 min  
Lab File: VD075062.D  
Acq: 28 Dec 2022 13:30

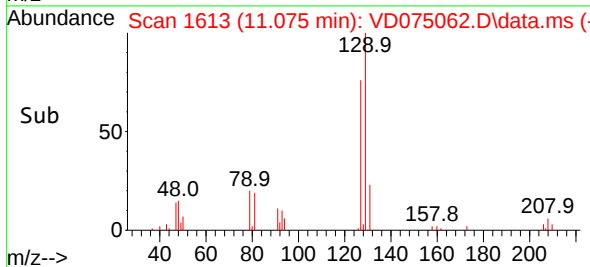
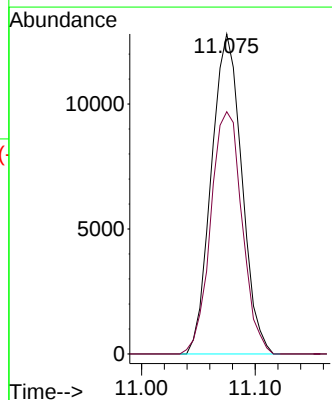
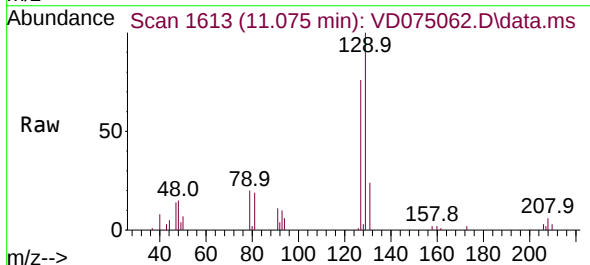
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1228SBS01

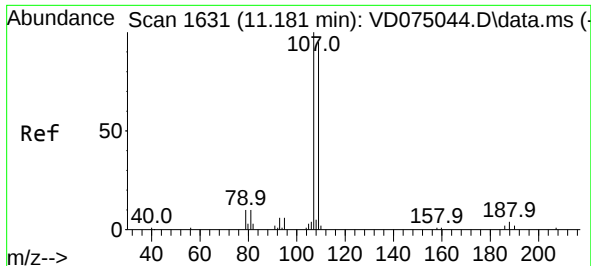
Tgt Ion: 43 Resp: 58572  
Ion Ratio Lower Upper  
43 100  
58 55.8 30.8 92.4



#60  
Dibromochloromethane  
Concen: 21.504 ug/l  
RT: 11.075 min Scan# 1613  
Delta R.T. -0.000 min  
Lab File: VD075062.D  
Acq: 28 Dec 2022 13:30

Tgt Ion: 129 Resp: 23802  
Ion Ratio Lower Upper  
129 100  
127 78.0 38.8 116.3

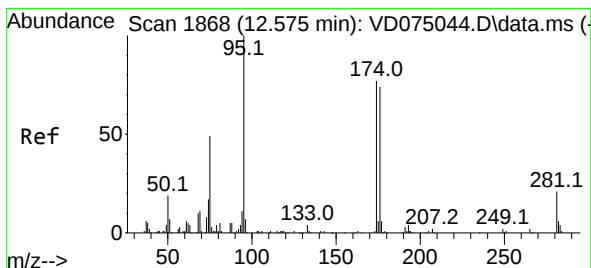
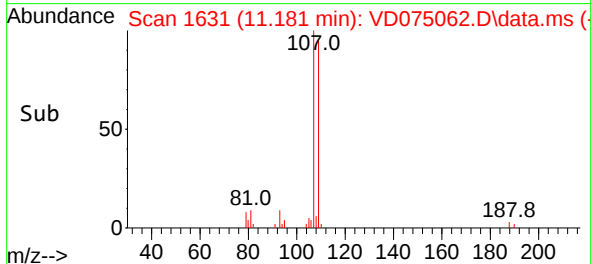
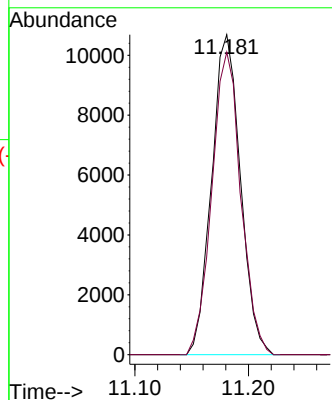
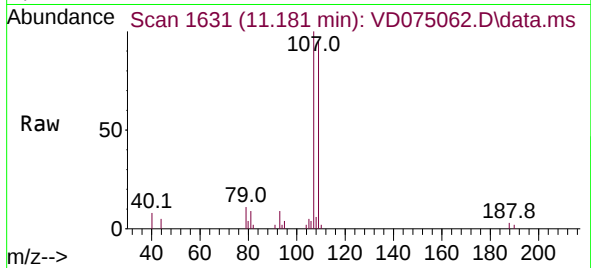




#61  
1,2-Dibromoethane  
Concen: 21.775 ug/l  
RT: 11.181 min Scan# 1631  
Delta R.T. -0.000 min  
Lab File: VD075062.D  
Acq: 28 Dec 2022 13:30

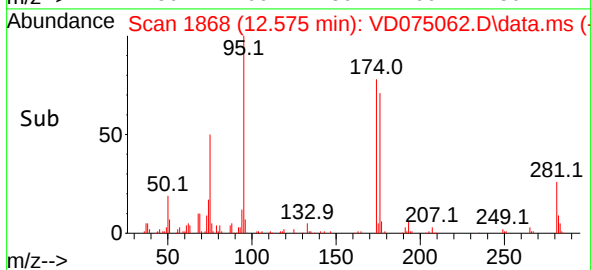
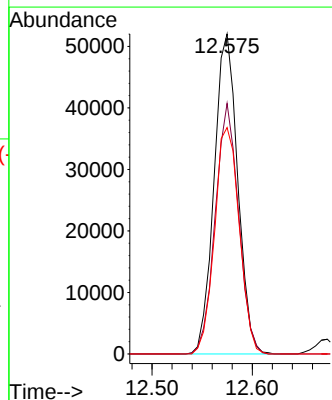
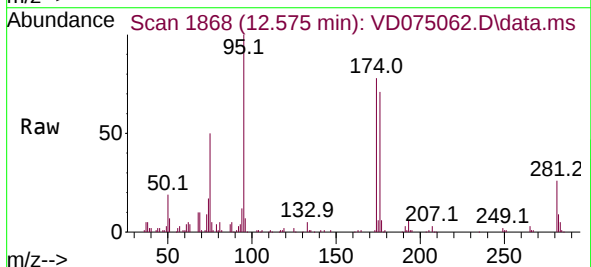
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1228SBSD01

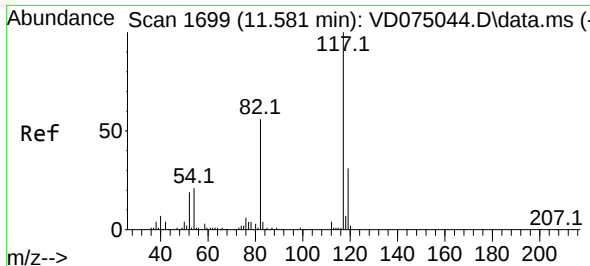
Tgt Ion:107 Resp: 18861  
Ion Ratio Lower Upper  
107 100  
109 95.0 77.2 115.8



#62  
4-Bromofluorobenzene  
Concen: 51.527 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. -0.000 min  
Lab File: VD075062.D  
Acq: 28 Dec 2022 13:30

Tgt Ion: 95 Resp: 84950  
Ion Ratio Lower Upper  
95 100  
174 77.3 0.0 171.2  
176 74.1 0.0 165.0

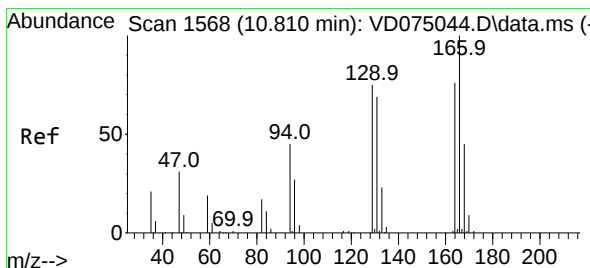
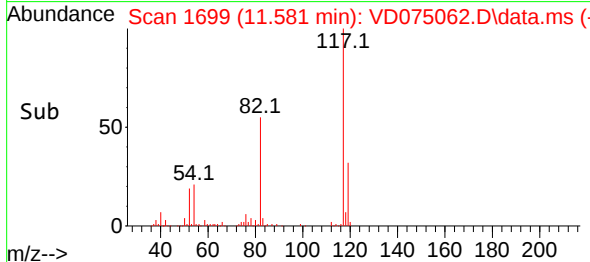
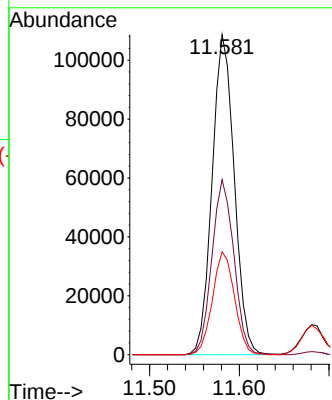
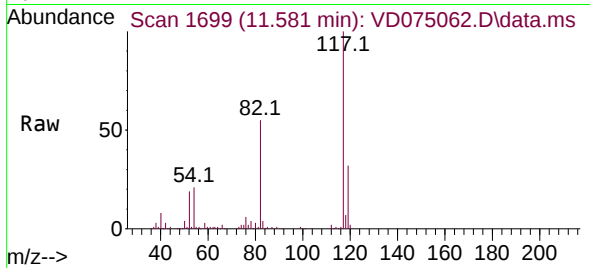




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VD075062.D  
Acq: 28 Dec 2022 13:30

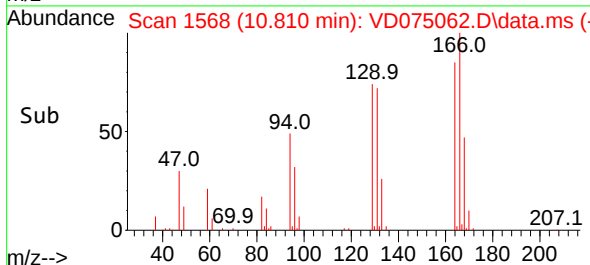
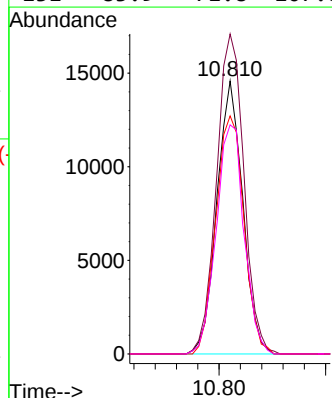
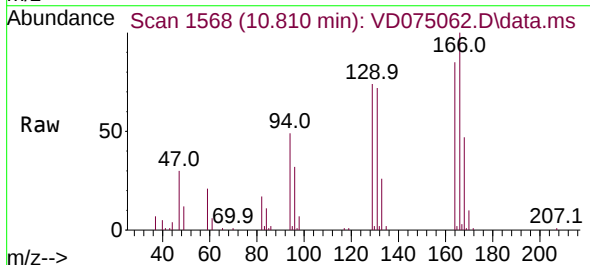
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1228SBSD01

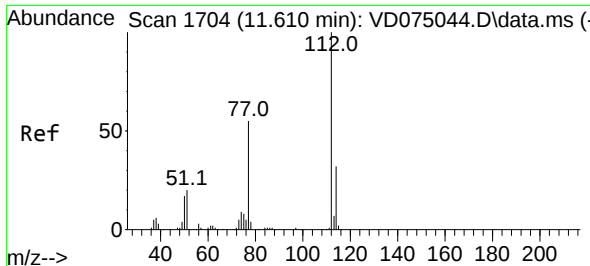
Tgt Ion:117 Resp: 186226  
Ion Ratio Lower Upper  
117 100  
82 54.7 40.9 61.3  
119 32.1 25.5 38.3



#64  
Tetrachloroethene  
Concen: 22.528 ug/l  
RT: 10.810 min Scan# 1568  
Delta R.T. 0.000 min  
Lab File: VD075062.D  
Acq: 28 Dec 2022 13:30

Tgt Ion:164 Resp: 24557  
Ion Ratio Lower Upper  
164 100  
166 117.2 99.4 149.0  
129 87.2 76.7 115.1  
131 83.9 71.8 107.8

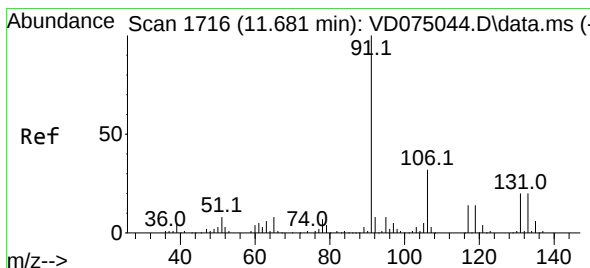
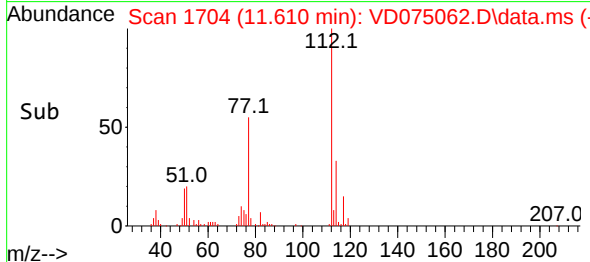
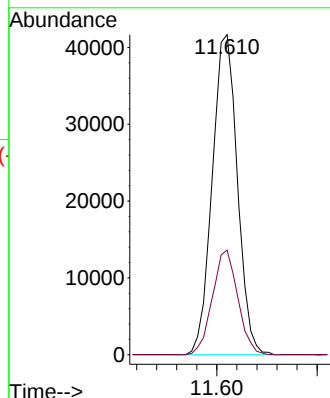
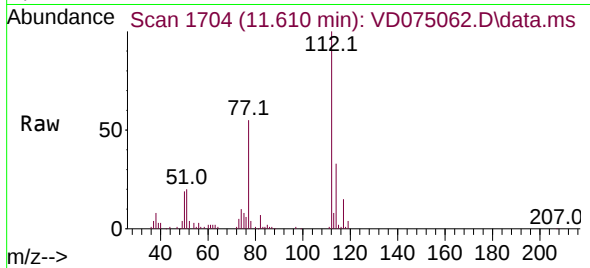




#65  
Chlorobenzene  
Concen: 21.289 ug/l  
RT: 11.610 min Scan# 1704  
Delta R.T. 0.000 min  
Lab File: VD075062.D  
Acq: 28 Dec 2022 13:30

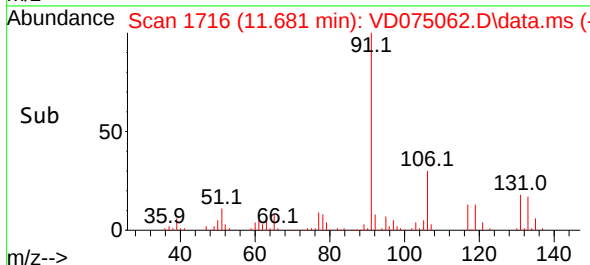
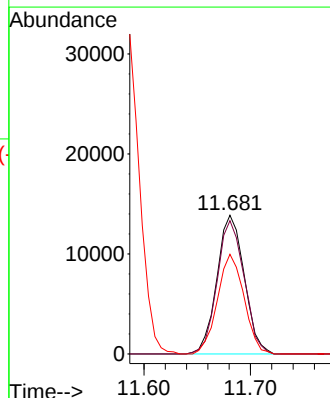
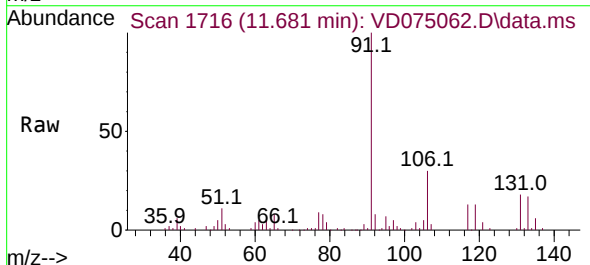
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1228SBS01

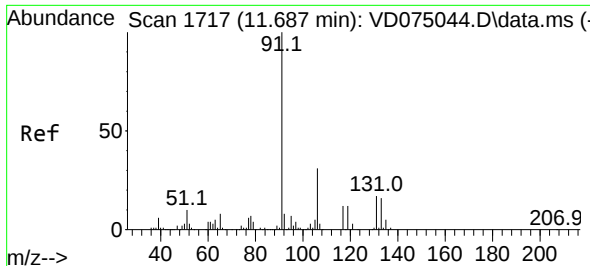
Tgt Ion:112 Resp: 72408  
Ion Ratio Lower Upper  
112 100  
114 32.7 26.0 39.0



#66  
1,1,1,2-Tetrachloroethane  
Concen: 20.986 ug/l  
RT: 11.681 min Scan# 1716  
Delta R.T. -0.000 min  
Lab File: VD075062.D  
Acq: 28 Dec 2022 13:30

Tgt Ion:131 Resp: 24718  
Ion Ratio Lower Upper  
131 100  
133 95.1 48.5 145.6  
119 69.9 34.2 102.5

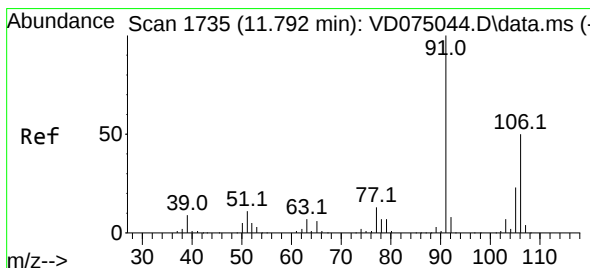
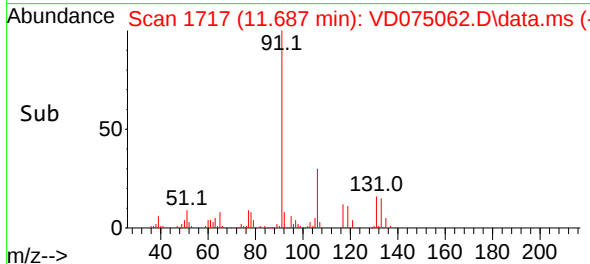
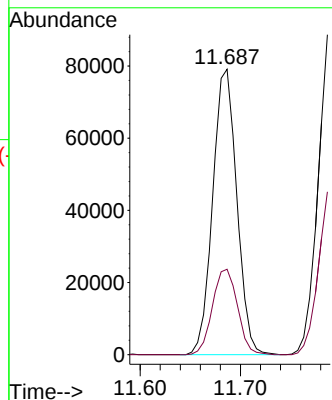
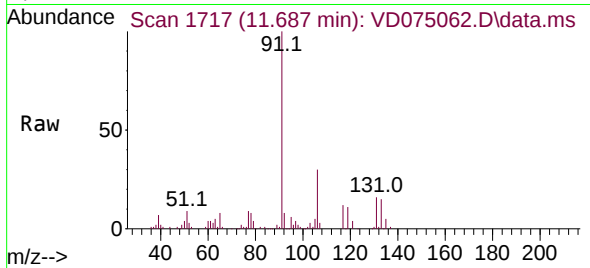




#67  
Ethyl Benzene  
Concen: 21.202 ug/l  
RT: 11.687 min Scan# 1717  
Delta R.T. 0.006 min  
Lab File: VD075062.D  
Acq: 28 Dec 2022 13:30

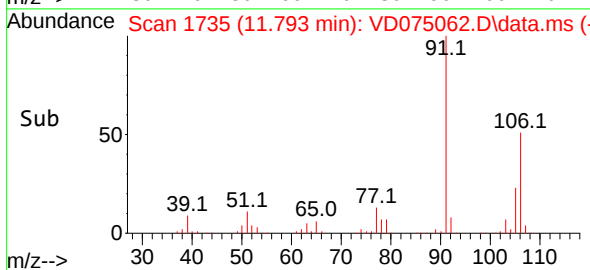
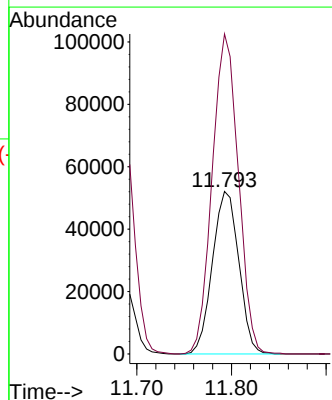
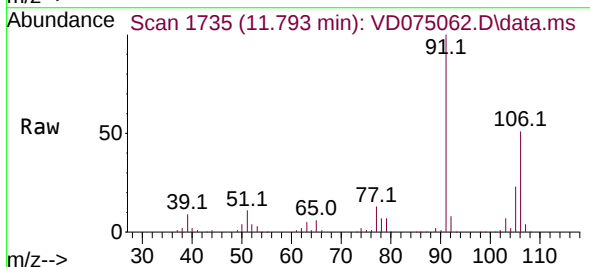
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1228SBS01

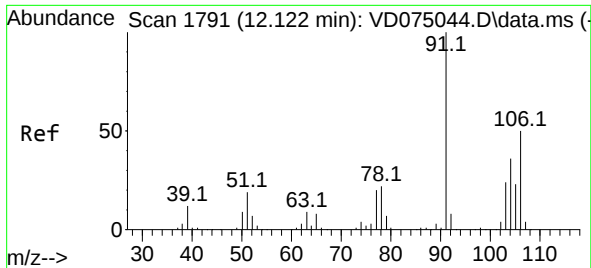
Tgt Ion: 91 Resp: 131984  
Ion Ratio Lower Upper  
91 100  
106 30.0 24.9 37.3



#68  
m/p-Xylenes  
Concen: 42.699 ug/l  
RT: 11.793 min Scan# 1735  
Delta R.T. -0.000 min  
Lab File: VD075062.D  
Acq: 28 Dec 2022 13:30

Tgt Ion:106 Resp: 100776  
Ion Ratio Lower Upper  
106 100  
91 195.5 156.3 234.5

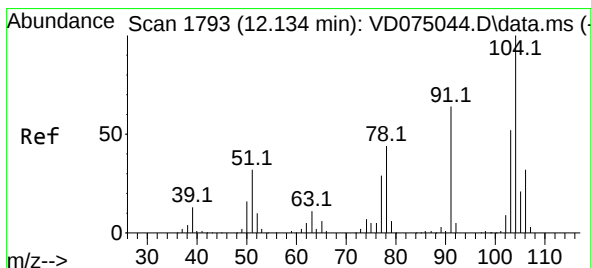
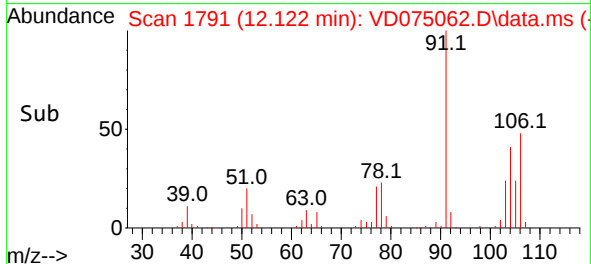
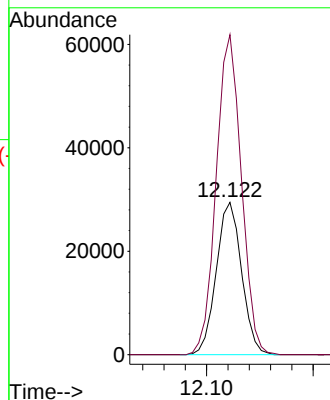
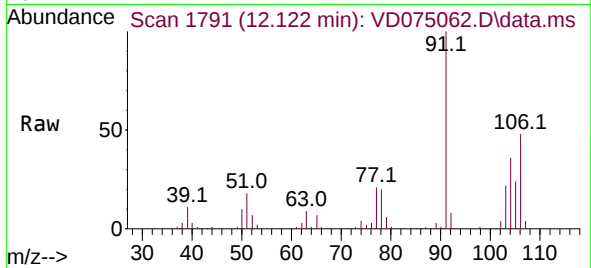




#69  
o-Xylene  
Concen: 21.405 ug/l  
RT: 12.122 min Scan# 1791  
Delta R.T. -0.000 min  
Lab File: VD075062.D  
Acq: 28 Dec 2022 13:30

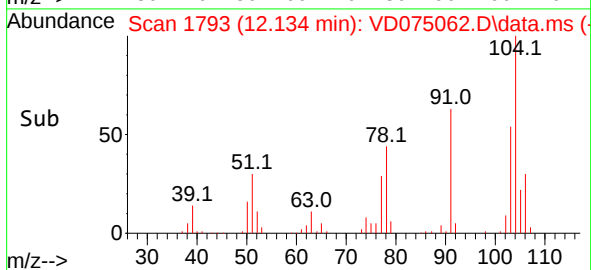
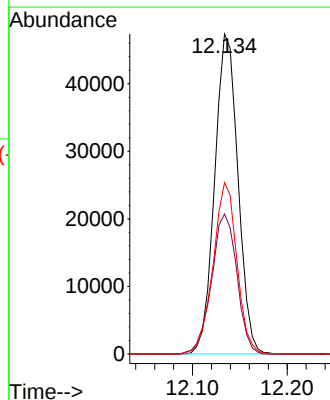
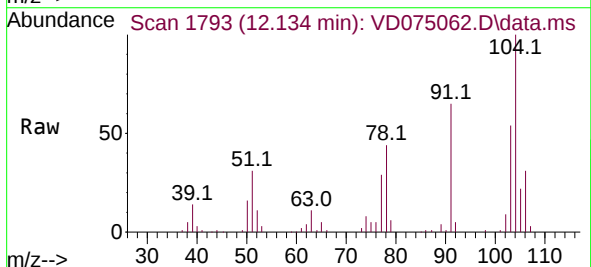
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1228SBS01

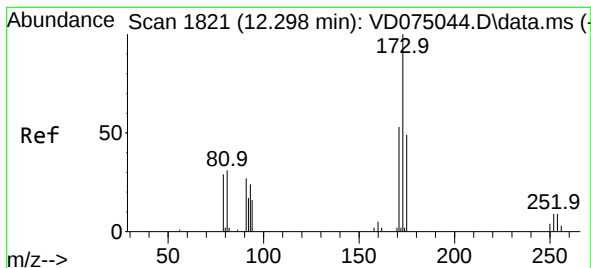
Tgt Ion:106 Resp: 48597  
Ion Ratio Lower Upper  
106 100  
91 208.7 102.7 308.1



#70  
Styrene  
Concen: 21.213 ug/l  
RT: 12.134 min Scan# 1793  
Delta R.T. -0.000 min  
Lab File: VD075062.D  
Acq: 28 Dec 2022 13:30

Tgt Ion:104 Resp: 80968  
Ion Ratio Lower Upper  
104 100  
78 47.5 35.5 53.3  
103 54.7 43.9 65.9





#71

Bromoform

Concen: 20.158 ug/l

RT: 12.298 min Scan# 1821

Delta R.T. 0.000 min

Lab File: VD075062.D

Acq: 28 Dec 2022 13:30

Instrument :

MSVOA\_D

ClientSampleId :

VD1228SBSD01

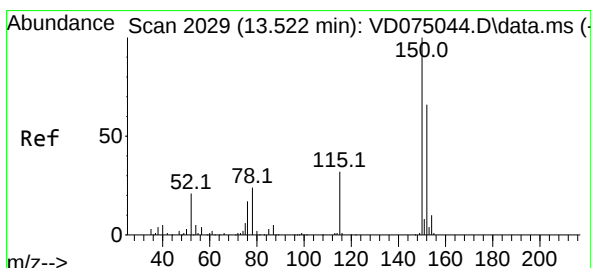
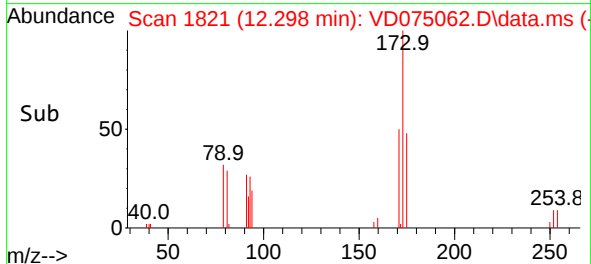
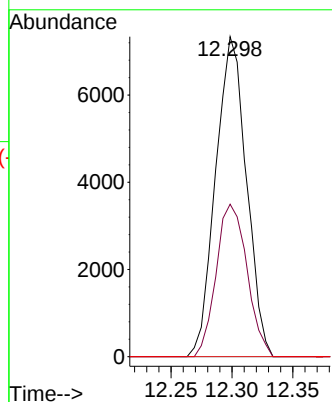
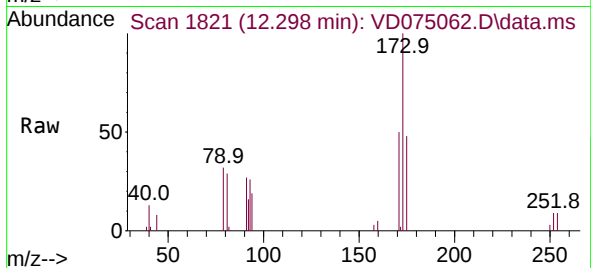
Tgt Ion:173 Resp: 12882

Ion Ratio Lower Upper

173 100

175 47.8 24.4 73.4

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. -0.000 min

Lab File: VD075062.D

Acq: 28 Dec 2022 13:30

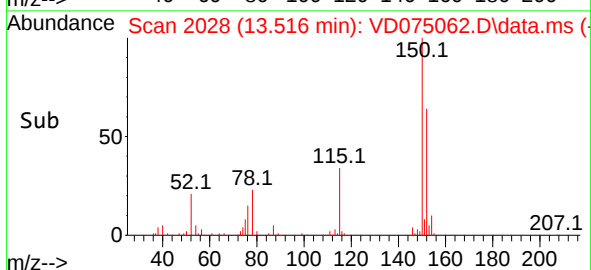
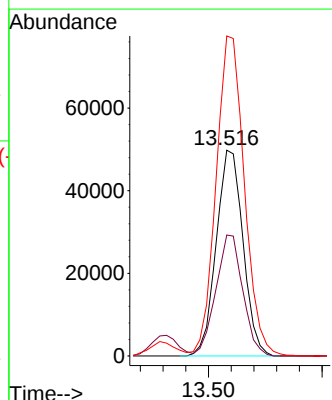
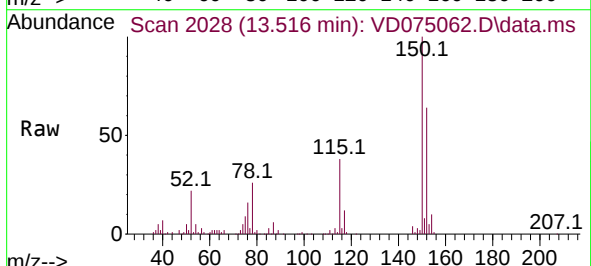
Tgt Ion:152 Resp: 81417

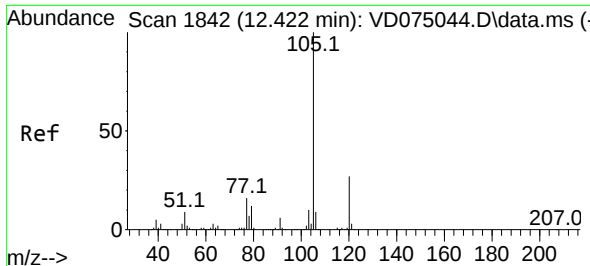
Ion Ratio Lower Upper

152 100

115 59.1 28.8 86.5

150 164.8 0.0 354.2

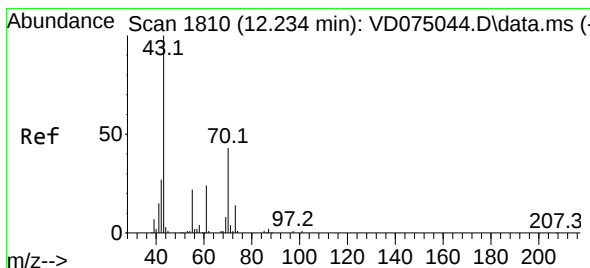
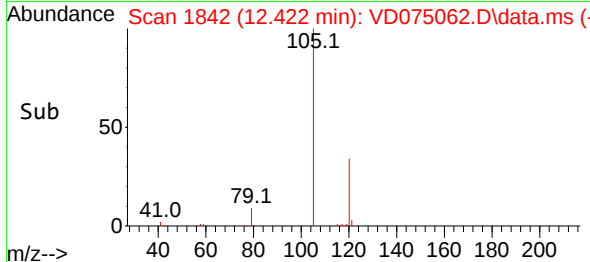
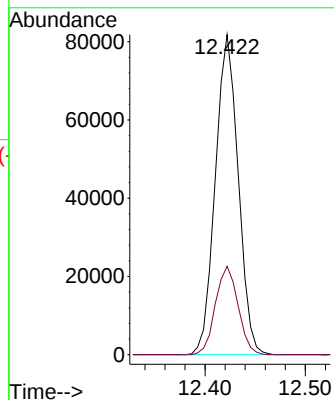
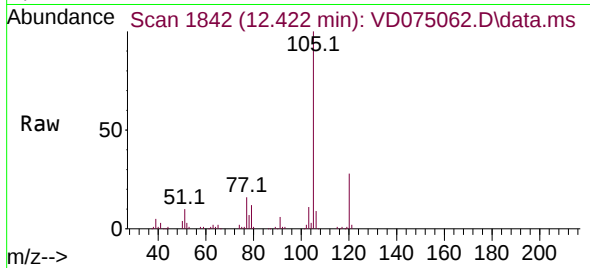




#73  
Isopropylbenzene  
Concen: 20.771 ug/l  
RT: 12.422 min Scan# 1842  
Delta R.T. -0.000 min  
Lab File: VD075062.D  
Acq: 28 Dec 2022 13:30

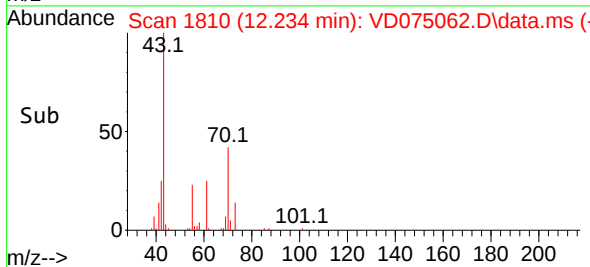
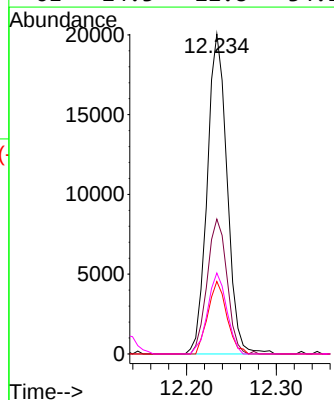
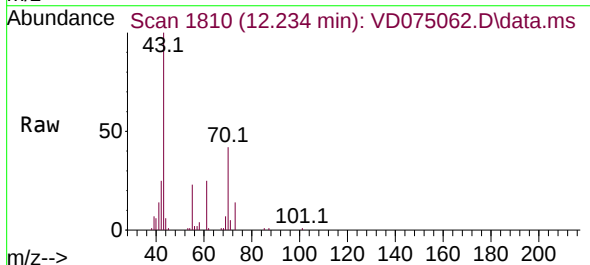
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1228SBS01

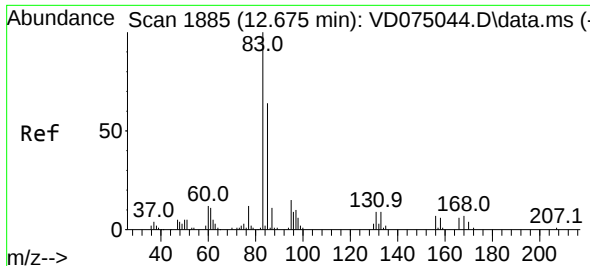
Tgt Ion:105 Resp: 129656  
Ion Ratio Lower Upper  
105 100  
120 27.3 13.2 39.6



#74  
N-ethyl acetate  
Concen: 19.454 ug/l  
RT: 12.234 min Scan# 1810  
Delta R.T. -0.000 min  
Lab File: VD075062.D  
Acq: 28 Dec 2022 13:30

Tgt Ion: 43 Resp: 30823  
Ion Ratio Lower Upper  
43 100  
70 42.2 40.6 60.8  
55 21.6 22.0 33.0#  
61 24.3 22.8 34.2

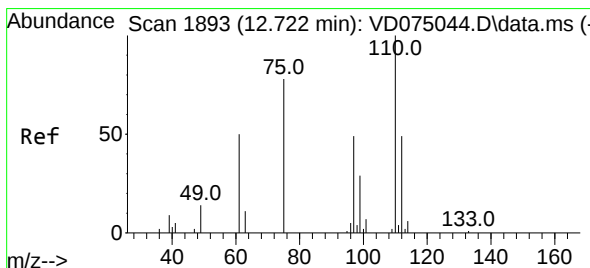
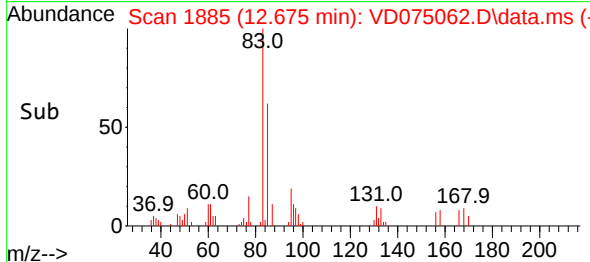
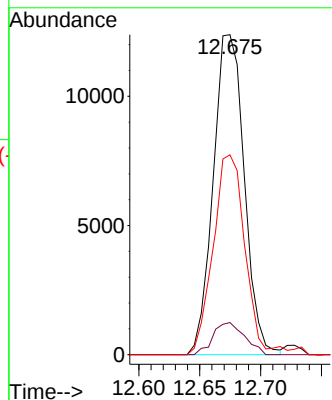
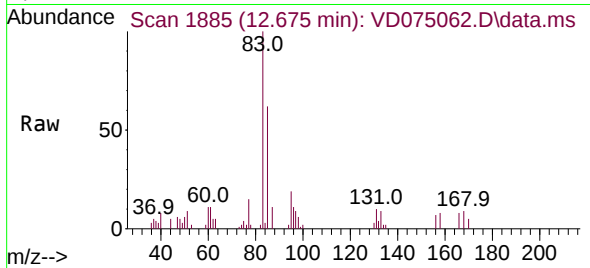




#75  
1,1,2,2-Tetrachloroethane  
Concen: 19.726 ug/l  
RT: 12.675 min Scan# 1885  
Delta R.T. -0.000 min  
Lab File: VD075062.D  
Acq: 28 Dec 2022 13:30

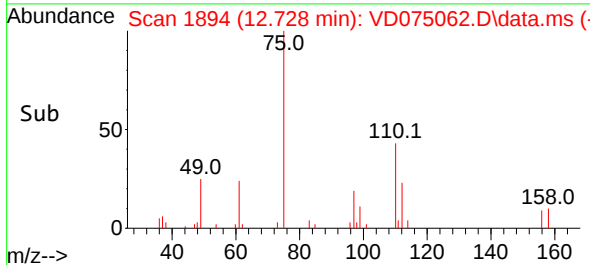
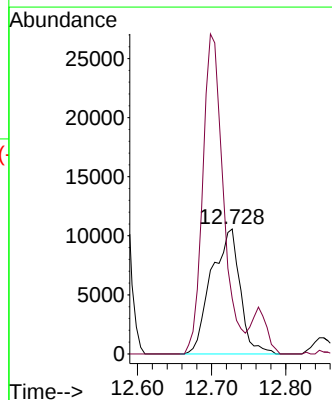
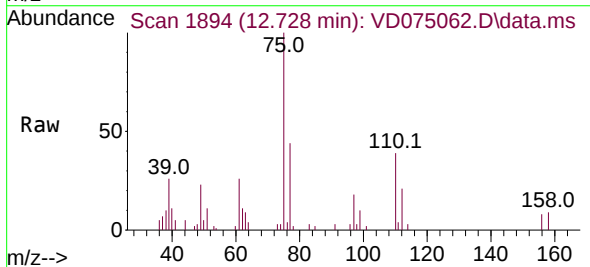
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1228SBSD01

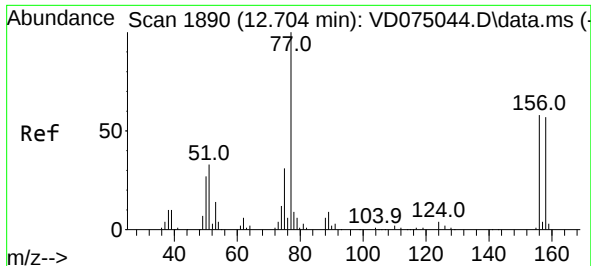
Tgt Ion: 83 Resp: 21957  
Ion Ratio Lower Upper  
83 100  
131 10.2 4.9 14.6  
85 64.8 32.6 97.7



#76  
1,2,3-Trichloropropane  
Concen: 34.093 ug/l  
RT: 12.728 min Scan# 1894  
Delta R.T. 0.006 min  
Lab File: VD075062.D  
Acq: 28 Dec 2022 13:30

Tgt Ion: 75 Resp: 28461  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0

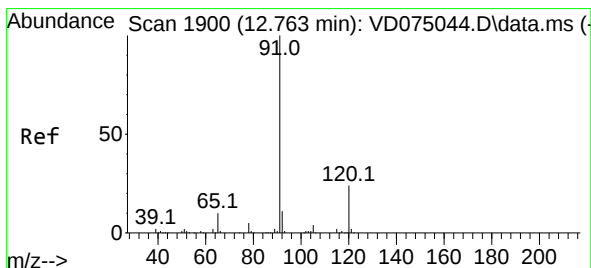
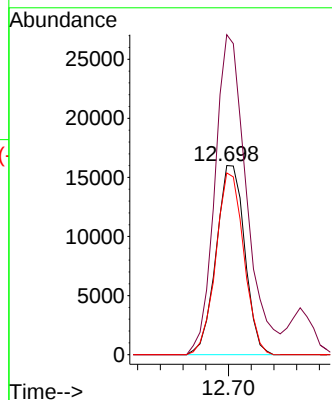
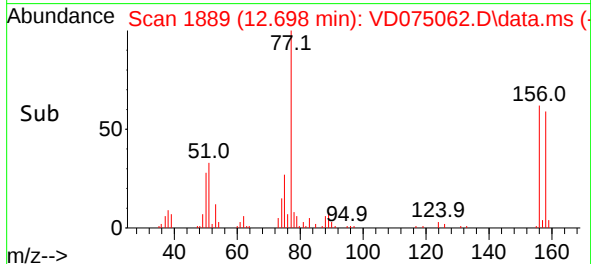
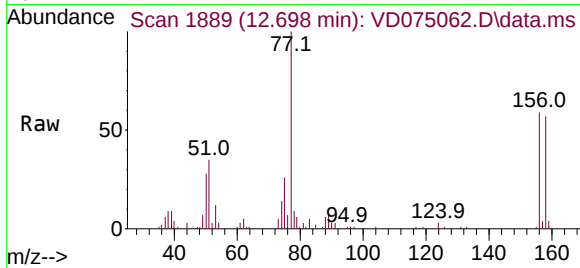




#77  
Bromobenzene  
Concen: 20.946 ug/l  
RT: 12.698 min Scan# 1890  
Delta R.T. 0.000 min  
Lab File: VD075062.D  
Acq: 28 Dec 2022 13:30

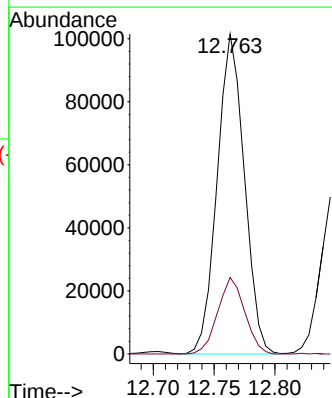
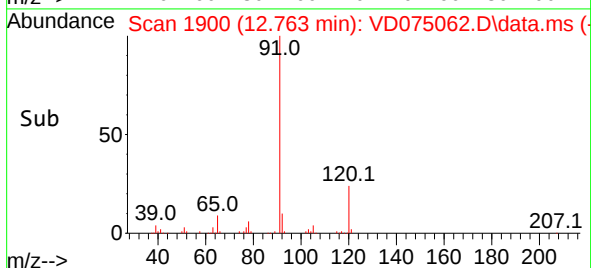
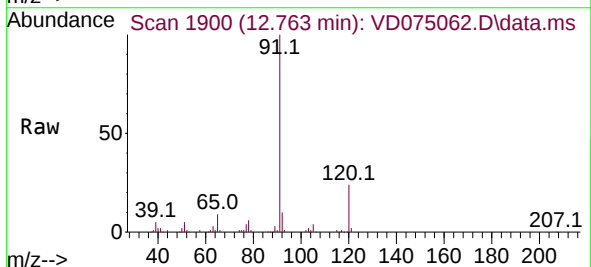
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1228SBSD01

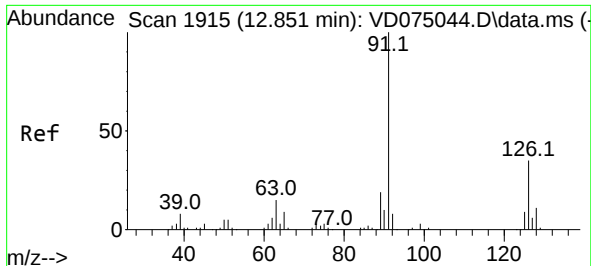
Tgt Ion:156 Resp: 27909  
Ion Ratio Lower Upper  
156 100  
77 187.3 86.3 258.9  
158 94.6 48.3 144.9



#78  
n-propylbenzene  
Concen: 20.603 ug/l  
RT: 12.763 min Scan# 1900  
Delta R.T. 0.000 min  
Lab File: VD075062.D  
Acq: 28 Dec 2022 13:30

Tgt Ion: 91 Resp: 157525  
Ion Ratio Lower Upper  
91 100  
120 23.7 11.6 34.7

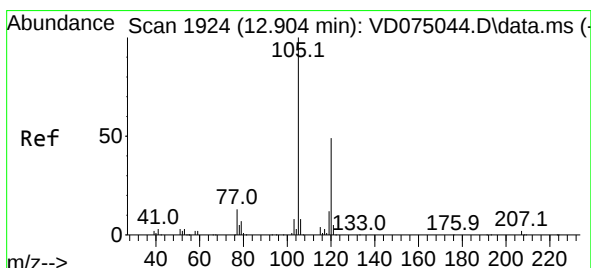
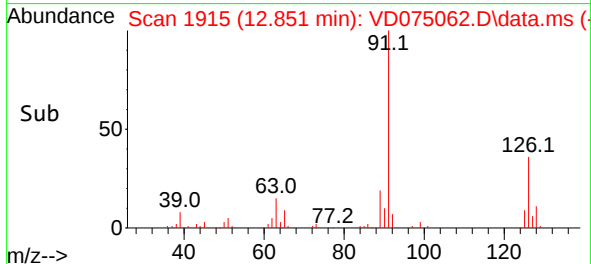
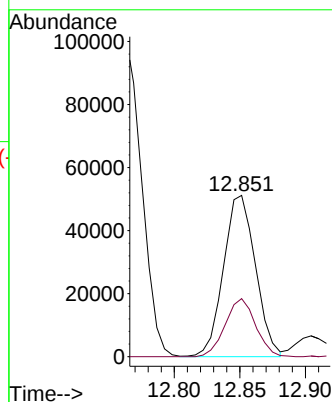
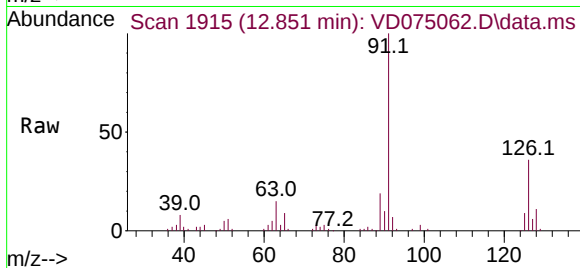




#79  
2-Chlorotoluene  
Concen: 20.787 ug/l  
RT: 12.851 min Scan# 1915  
Delta R.T. 0.000 min  
Lab File: VD075062.D  
Acq: 28 Dec 2022 13:30

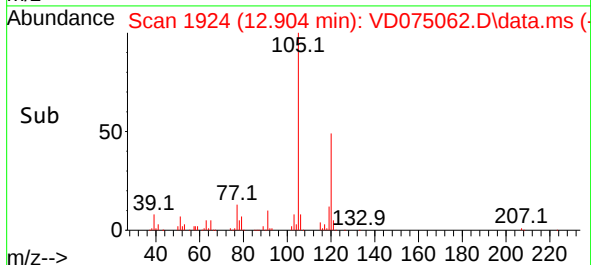
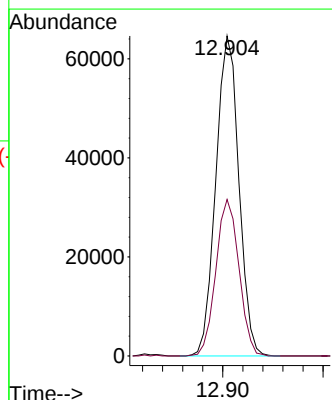
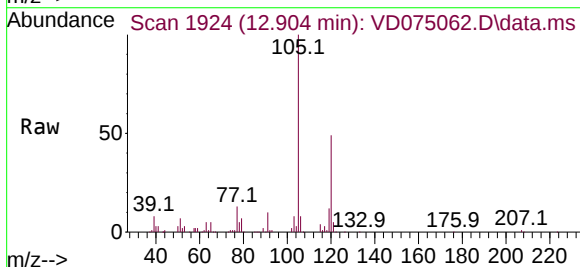
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1228SBSD01

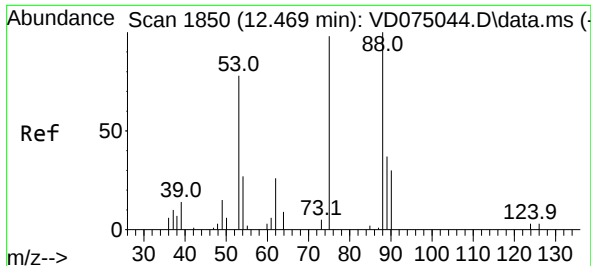
Tgt Ion: 91 Resp: 86826  
Ion Ratio Lower Upper  
91 100  
126 34.1 18.0 54.0



#80  
1,3,5-Trimethylbenzene  
Concen: 20.435 ug/l  
RT: 12.904 min Scan# 1924  
Delta R.T. 0.000 min  
Lab File: VD075062.D  
Acq: 28 Dec 2022 13:30

Tgt Ion: 105 Resp: 102870  
Ion Ratio Lower Upper  
105 100  
120 49.0 25.1 75.3

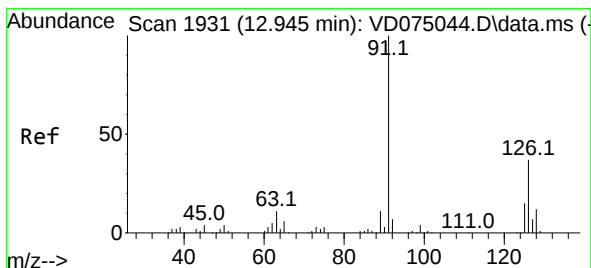
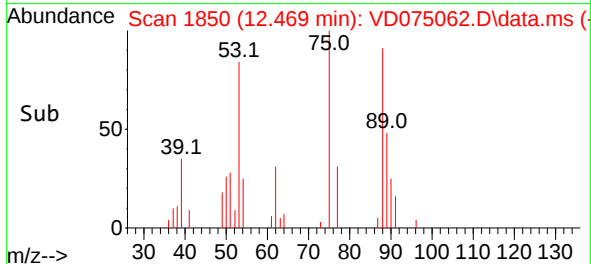
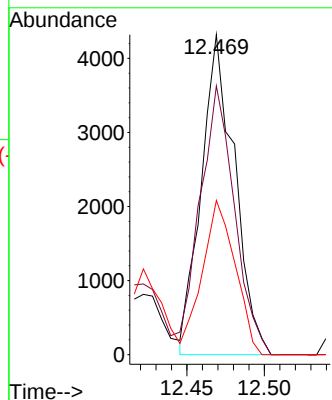
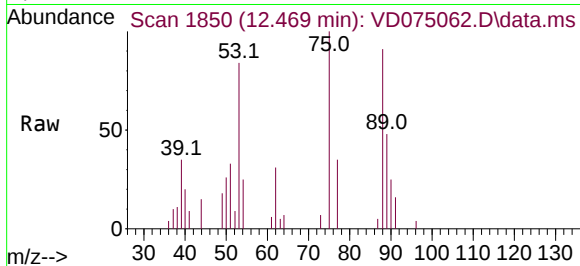




#81  
trans-1,4-Dichloro-2-butene  
Concen: 17.896 ug/l  
RT: 12.469 min Scan# 1850  
Delta R.T. -0.000 min  
Lab File: VD075062.D  
Acq: 28 Dec 2022 13:30

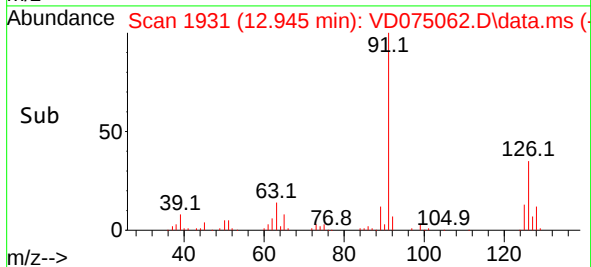
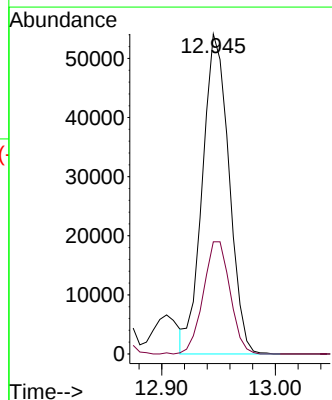
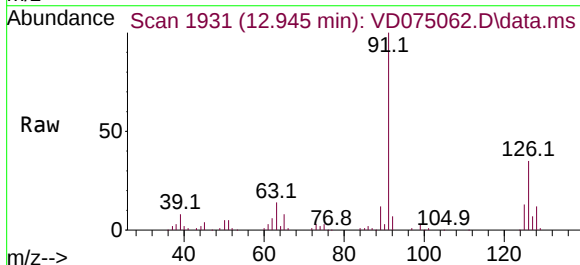
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1228SBSD01

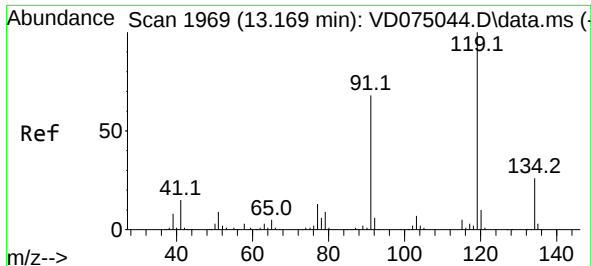
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 6446  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 88.1  | 60.0  | 90.0  |
| 89       | 47.8  | 37.4  | 56.0  |



#82  
4-Chlorotoluene  
Concen: 20.663 ug/l  
RT: 12.945 min Scan# 1931  
Delta R.T. 0.000 min  
Lab File: VD075062.D  
Acq: 28 Dec 2022 13:30

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 88064 |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 126      | 35.3  | 18.1  | 54.1  |

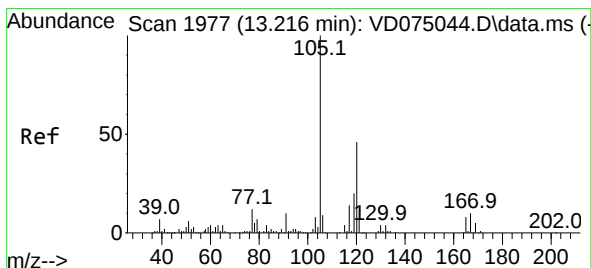
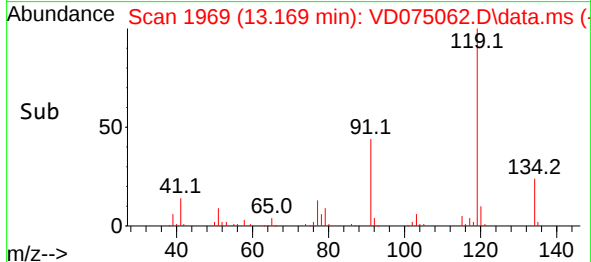
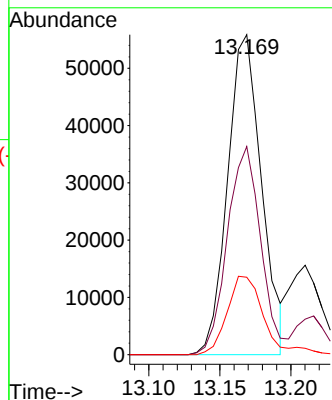
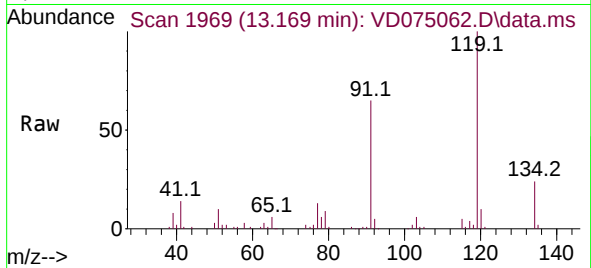




#83  
tert-Butylbenzene  
Concen: 20.846 ug/l  
RT: 13.169 min Scan# 1969  
Delta R.T. -0.000 min  
Lab File: VD075062.D  
Acq: 28 Dec 2022 13:30

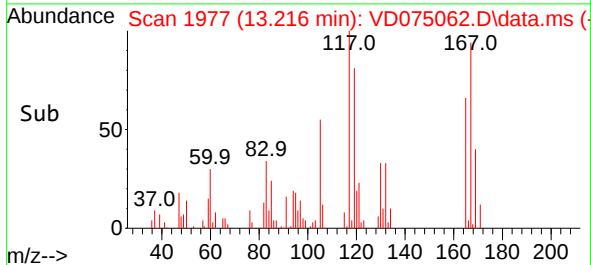
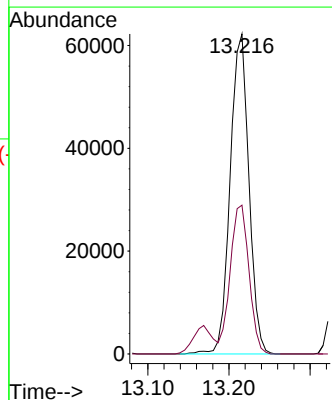
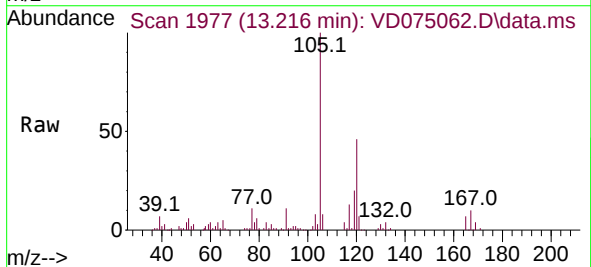
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1228SBSD01

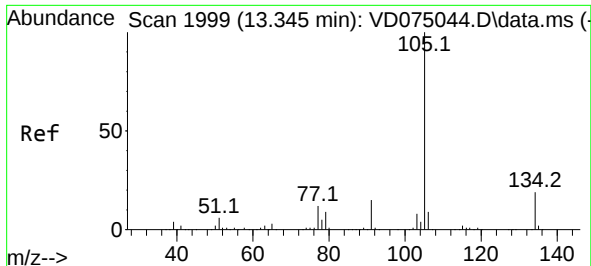
Tgt Ion:119 Resp: 92897  
Ion Ratio Lower Upper  
119 100  
91 64.6 31.2 93.6  
134 26.6 13.8 41.3



#84  
1,2,4-Trimethylbenzene  
Concen: 20.354 ug/l  
RT: 13.216 min Scan# 1977  
Delta R.T. 0.006 min  
Lab File: VD075062.D  
Acq: 28 Dec 2022 13:30

Tgt Ion:105 Resp: 99659  
Ion Ratio Lower Upper  
105 100  
120 46.6 23.1 69.3

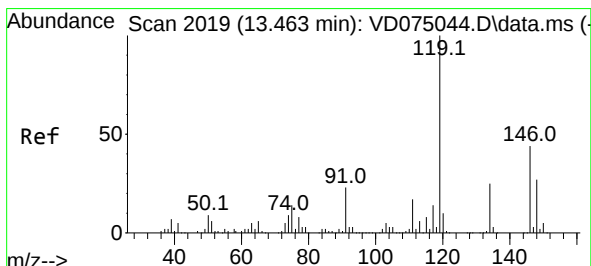
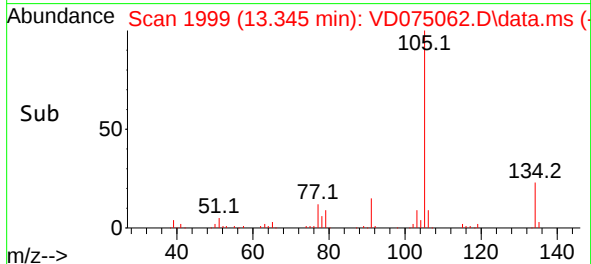
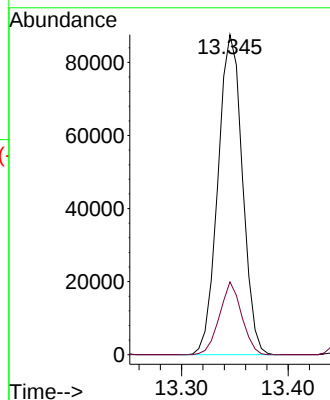
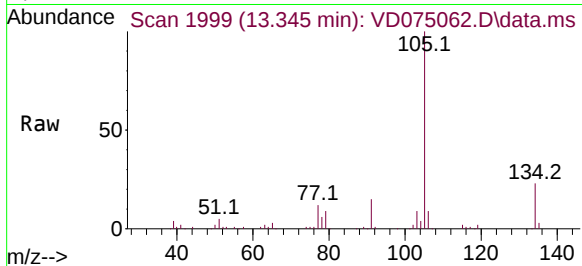




#85  
 sec-Butylbenzene  
 Concen: 20.405 ug/l  
 RT: 13.345 min Scan# 1999  
 Delta R.T. 0.000 min  
 Lab File: VD075062.D  
 Acq: 28 Dec 2022 13:30

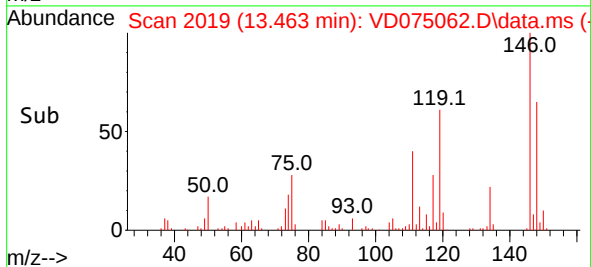
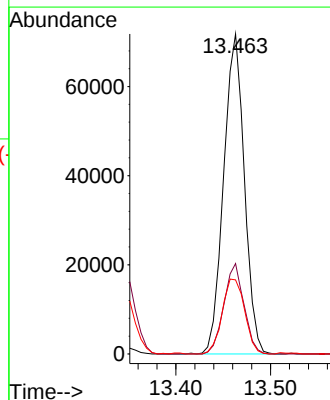
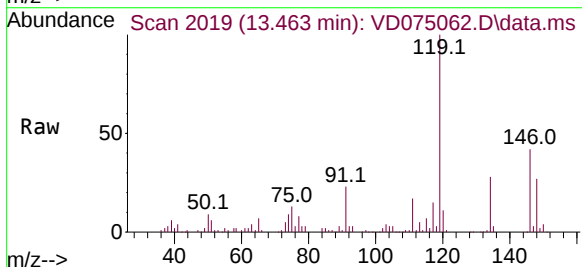
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1228SBSD01

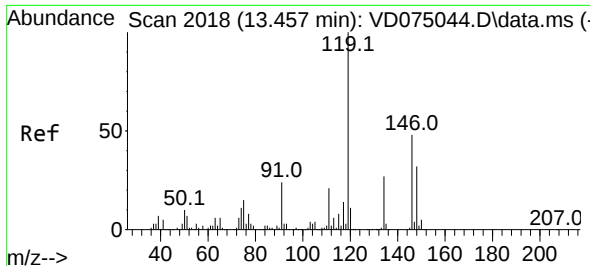
Tgt Ion:105 Resp: 139613  
 Ion Ratio Lower Upper  
 105 100  
 134 20.6 10.1 30.1



#86  
 p-Isopropyltoluene  
 Concen: 19.995 ug/l  
 RT: 13.463 min Scan# 2019  
 Delta R.T. 0.000 min  
 Lab File: VD075062.D  
 Acq: 28 Dec 2022 13:30

Tgt Ion:119 Resp: 109135  
 Ion Ratio Lower Upper  
 119 100  
 134 27.3 13.4 40.2  
 91 25.3 11.1 33.1

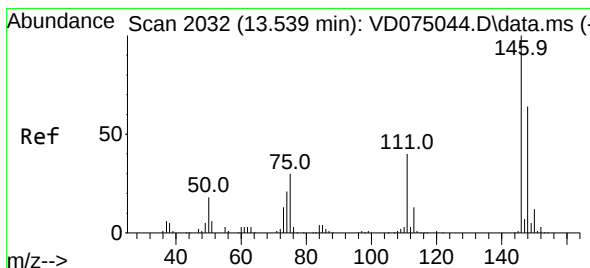
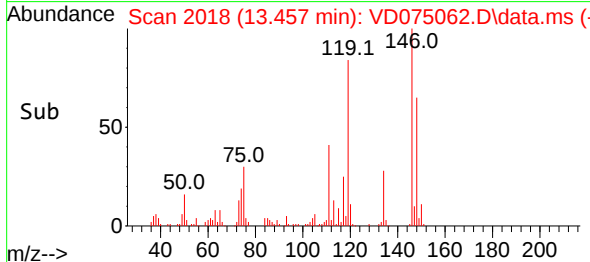
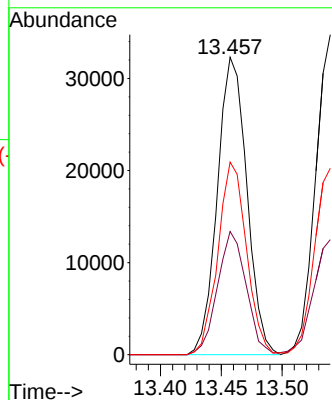
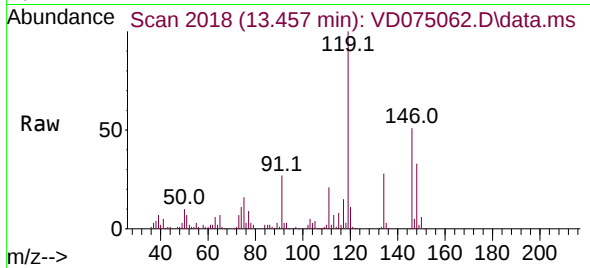




#87  
 1,3-Dichlorobenzene  
 Concen: 20.932 ug/l  
 RT: 13.457 min Scan# 2018  
 Delta R.T. 0.000 min  
 Lab File: VD075062.D  
 Acq: 28 Dec 2022 13:30

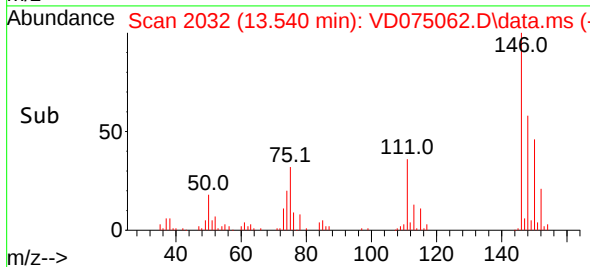
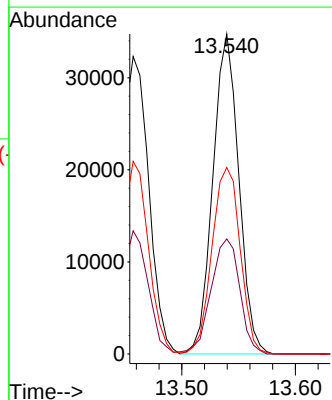
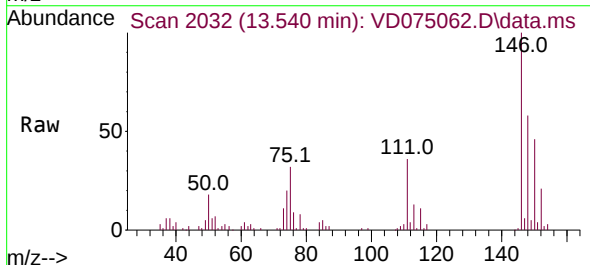
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1228SBSD01

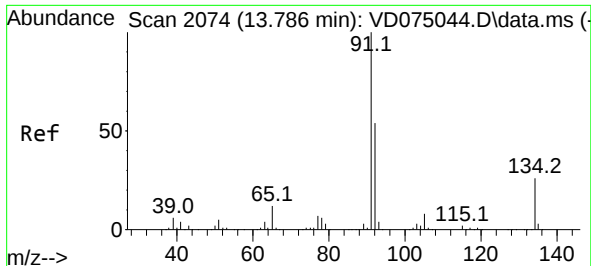
Tgt Ion:146 Resp: 54495  
 Ion Ratio Lower Upper  
 146 100  
 111 40.4 19.1 57.5  
 148 63.0 31.7 95.1



#88  
 1,4-Dichlorobenzene  
 Concen: 21.189 ug/l  
 RT: 13.540 min Scan# 2032  
 Delta R.T. -0.000 min  
 Lab File: VD075062.D  
 Acq: 28 Dec 2022 13:30

Tgt Ion:146 Resp: 55102  
 Ion Ratio Lower Upper  
 146 100  
 111 39.8 18.6 55.6  
 148 63.4 32.0 96.2





#89

n-Butylbenzene

Concen: 20.286 ug/l

RT: 13.787 min Scan# 2074

Delta R.T. -0.000 min

Lab File: VD075062.D

Acq: 28 Dec 2022 13:30

Instrument :

MSVOA\_D

ClientSampleId :

VD1228SBSD01

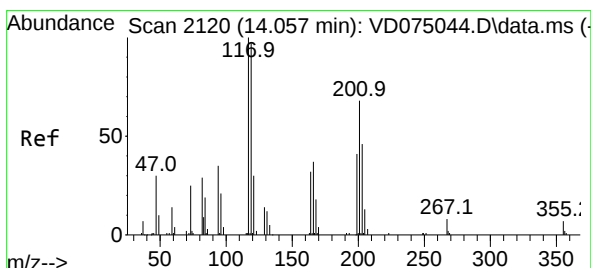
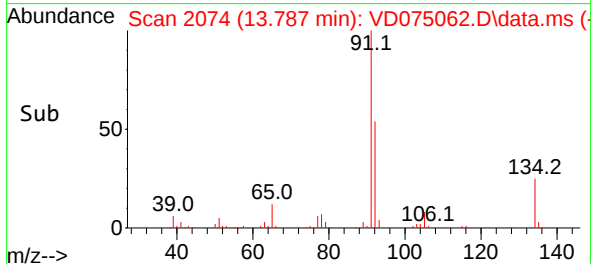
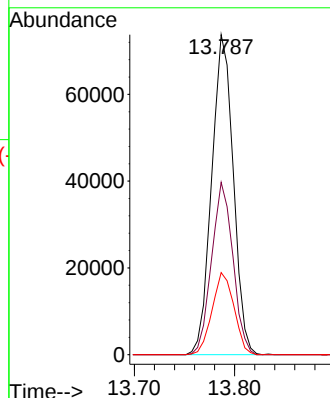
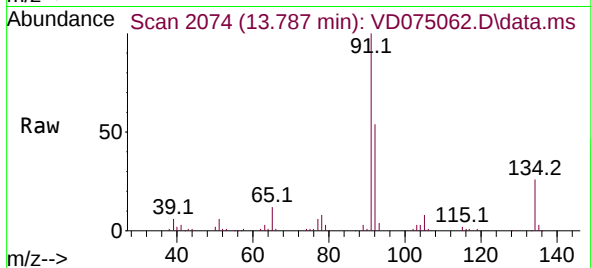
Tgt Ion: 91 Resp: 110591

Ion Ratio Lower Upper

91 100

92 53.2 26.8 80.3

134 26.0 13.3 39.8



#90

Hexachloroethane

Concen: 19.520 ug/l

RT: 14.051 min Scan# 2119

Delta R.T. 0.000 min

Lab File: VD075062.D

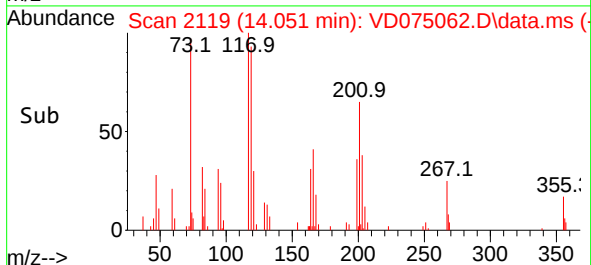
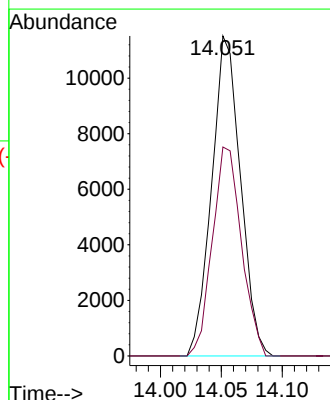
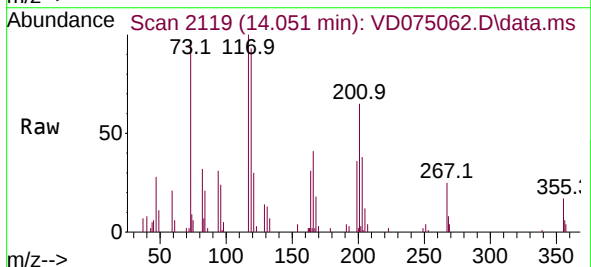
Acq: 28 Dec 2022 13:30

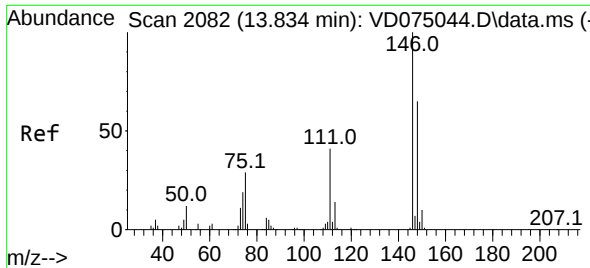
Tgt Ion: 117 Resp: 18933

Ion Ratio Lower Upper

117 100

201 65.9 35.1 105.3

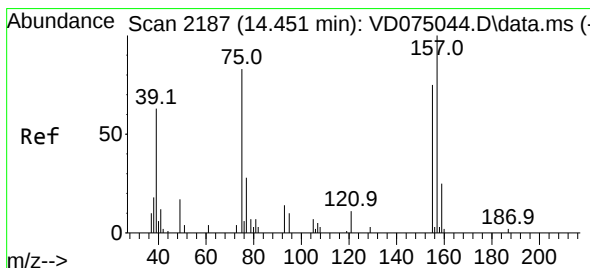
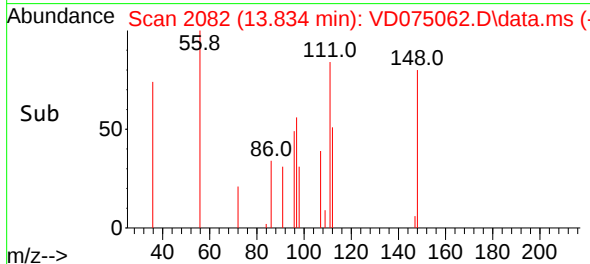
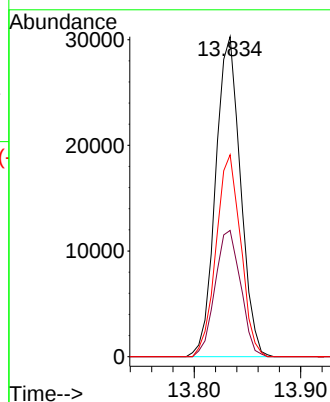
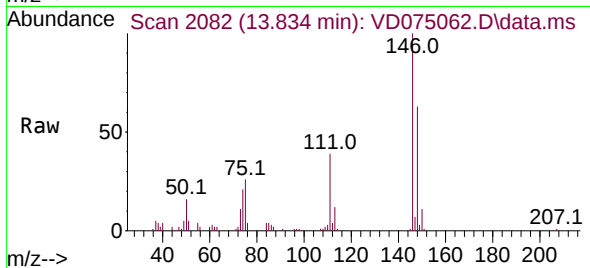




#91  
1,2-Dichlorobenzene  
Concen: 21.351 ug/l  
RT: 13.834 min Scan# 2082  
Delta R.T. -0.000 min  
Lab File: VD075062.D  
Acq: 28 Dec 2022 13:30

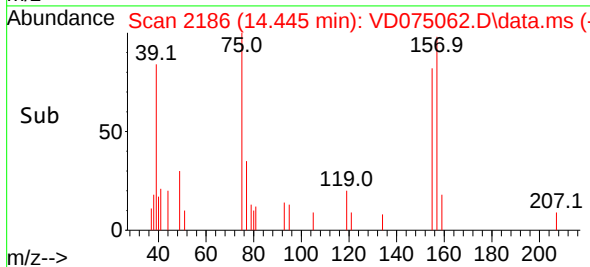
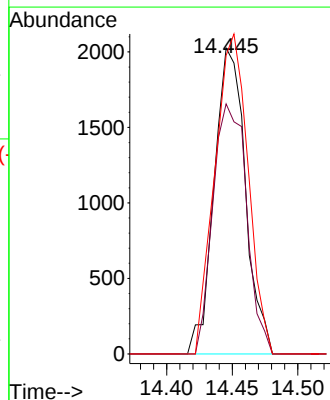
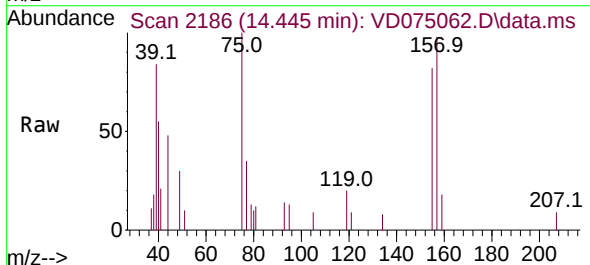
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1228SBSD01

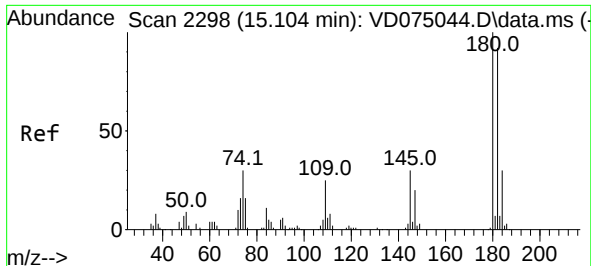
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 146   | Resp: | 49115 |
| Ion Ratio | Lower | Upper |       |
| 146       | 100   |       |       |
| 111       | 40.5  | 19.9  | 59.7  |
| 148       | 62.4  | 31.9  | 95.9  |



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 19.627 ug/l  
RT: 14.445 min Scan# 2186  
Delta R.T. 0.000 min  
Lab File: VD075062.D  
Acq: 28 Dec 2022 13:30

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 3357  |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 155       | 87.8  | 47.1  | 141.4 |
| 157       | 111.1 | 56.7  | 170.1 |

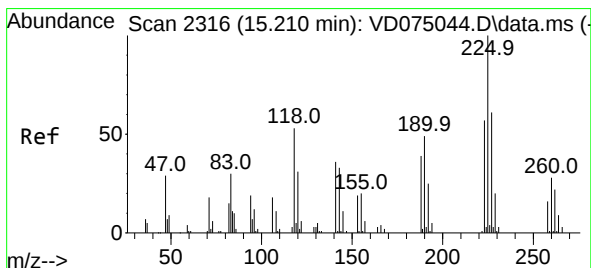
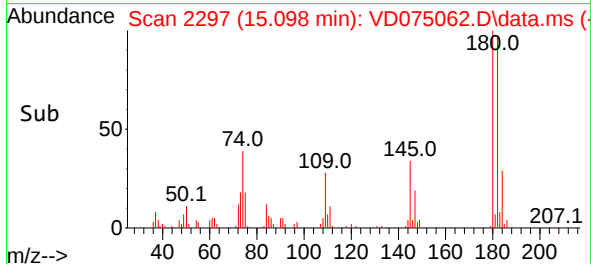
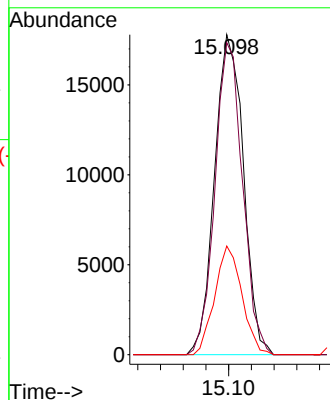
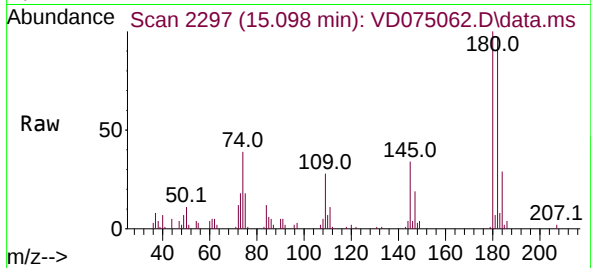




#93  
1,2,4-Trichlorobenzene  
Concen: 20.748 ug/l  
RT: 15.098 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VD075062.D  
Acq: 28 Dec 2022 13:30

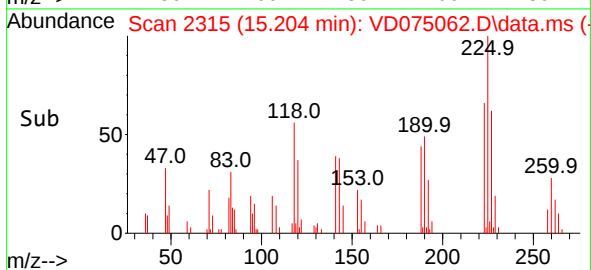
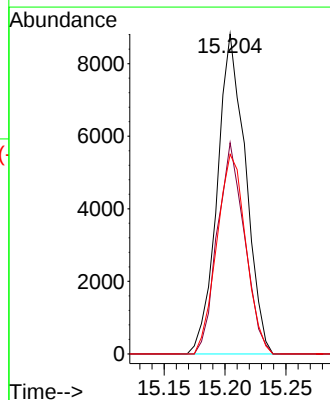
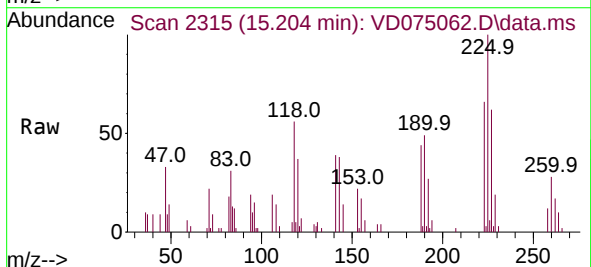
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1228SBS01

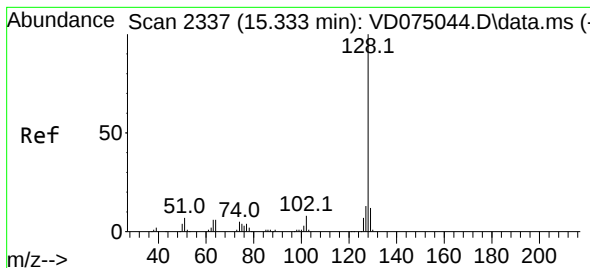
Tgt Ion:180 Resp: 31360  
Ion Ratio Lower Upper  
180 100  
182 93.3 48.5 145.5  
145 32.0 14.9 44.5



#94  
Hexachlorobutadiene  
Concen: 18.913 ug/l  
RT: 15.204 min Scan# 2315  
Delta R.T. 0.000 min  
Lab File: VD075062.D  
Acq: 28 Dec 2022 13:30

Tgt Ion:225 Resp: 14291  
Ion Ratio Lower Upper  
225 100  
223 63.2 31.0 93.0  
227 63.7 31.0 93.0





#95

Naphthalene

Concen: 20.326 ug/l

RT: 15.334 min Scan# 21

Delta R.T. -0.000 min

Lab File: VD075062.D

Acq: 28 Dec 2022 13:30

Instrument :

MSVOA\_D

ClientSampleId :

VD1228SBS01

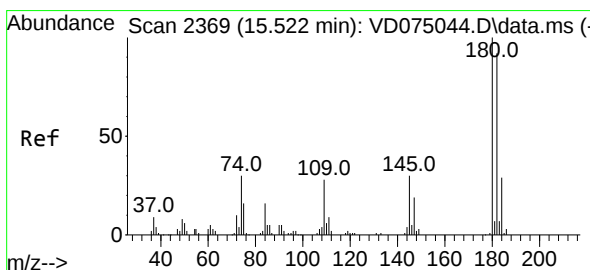
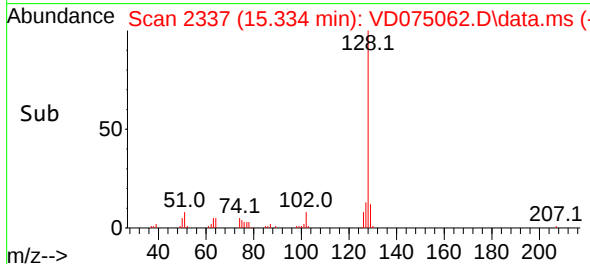
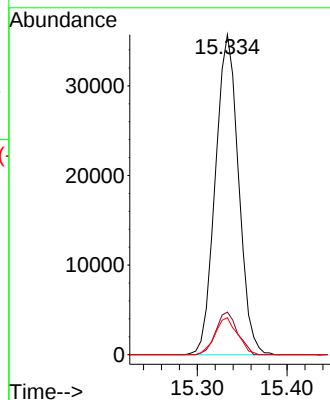
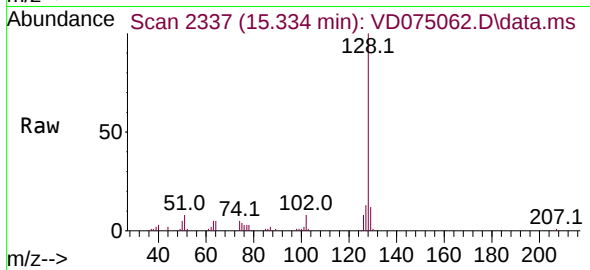
Tgt Ion:128 Resp: 64125

Ion Ratio Lower Upper

128 100

127 12.5 10.6 16.0

129 11.2 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 19.721 ug/l

RT: 15.522 min Scan# 2369

Delta R.T. -0.000 min

Lab File: VD075062.D

Acq: 28 Dec 2022 13:30

Tgt Ion:180 Resp: 25582

Ion Ratio Lower Upper

180 100

182 98.0 46.3 138.9

145 34.6 15.3 45.9

