

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD122123\  
 Data File : VD078036.D  
 Acq On : 21 Dec 2023 19:49  
 Operator : RP/MD  
 Sample : 05796-06MSD  
 Misc : 5.09G/5.0ml/MSVOA\_D/SOIL/A  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Dec 22 05:34:40 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D120823S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 14 14:48:10 2023  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 7.881  | 168   | 121201   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.781  | 114   | 212088   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.581 | 117   | 198411   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.516 | 152   | 110366   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.234  | 65    | 79672    | 55.786   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 50 - 163 | Recovery | =      | 111.580% |
| 35) Dibromofluoromethane     | 7.811  | 113   | 86783    | 58.416   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 54 - 147 | Recovery | =      | 116.840% |
| 50) Toluene-d8               | 10.269 | 98    | 332206   | 55.833   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 58 - 134 | Recovery | =      | 111.660% |
| 62) 4-Bromofluorobenzene     | 12.575 | 95    | 102440   | 57.586   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 30 - 143 | Recovery | =      | 115.180% |
| Target Compounds             |        |       |          |          |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.934  | 85    | 59578    | 39.351   | ug/l   | 98       |
| 3) Chloromethane             | 2.152  | 50    | 101494   | 49.181   | ug/l   | 97       |
| 4) Vinyl Chloride            | 2.287  | 62    | 146396   | 52.255   | ug/l   | 99       |
| 5) Bromomethane              | 2.693  | 94    | 121186   | 77.089   | ug/l   | 98       |
| 6) Chloroethane              | 2.840  | 64    | 110326   | 57.762   | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 3.181  | 101   | 124545   | 48.269   | ug/l   | 99       |
| 8) Diethyl Ether             | 3.593  | 74    | 38673    | 53.376   | ug/l   | 88       |
| 9) 1,1,2-Trichlorotrifluo... | 3.975  | 101   | 74713    | 50.615   | ug/l   | 97       |
| 10) Methyl Iodide            | 4.170  | 142   | 89138    | 66.352   | ug/l   | 91       |
| 11) Tert butyl alcohol       | 5.040  | 59    | 17608    | 256.306  | ug/l # | 87       |
| 12) 1,1-Dichloroethene       | 3.946  | 96    | 74110    | 50.869   | ug/l   | 85       |
| 13) Acrolein                 | 3.799  | 56    | 24601    | 162.840  | ug/l   | 100      |
| 14) Allyl chloride           | 4.564  | 41    | 92085    | 45.957   | ug/l   | 89       |
| 15) Acrylonitrile            | 5.258  | 53    | 85159    | 274.517  | ug/l   | 98       |
| 16) Acetone                  | 4.023  | 43    | 75723    | 244.657  | ug/l   | 90       |
| 17) Carbon Disulfide         | 4.275  | 76    | 205406   | 41.674   | ug/l   | 99       |
| 18) Methyl Acetate           | 4.564  | 43    | 69918    | 62.162   | ug/l   | 90       |
| 19) Methyl tert-butyl Ether  | 5.322  | 73    | 176948   | 57.246   | ug/l   | 98       |
| 20) Methylene Chloride       | 4.805  | 84    | 101188   | 60.880   | ug/l # | 86       |
| 21) trans-1,2-Dichloroethene | 5.317  | 96    | 89801    | 54.420   | ug/l   | 86       |
| 22) Diisopropyl ether        | 6.217  | 45    | 224610   | 53.642   | ug/l   | 91       |
| 23) Vinyl Acetate            | 6.158  | 43    | 424110   | 207.412  | ug/l   | 95       |
| 24) 1,1-Dichloroethane       | 6.117  | 63    | 158034   | 55.733   | ug/l   | 97       |
| 25) 2-Butanone               | 7.081  | 43    | 100098   | 255.290  | ug/l   | 87       |
| 26) 2,2-Dichloropropane      | 7.081  | 77    | 130833   | 54.954   | ug/l   | 95       |
| 27) cis-1,2-Dichloroethene   | 7.075  | 96    | 105313   | 59.311   | ug/l   | 92       |
| 28) Bromochloromethane       | 7.422  | 49    | 61857    | 53.986   | ug/l   | 85       |
| 29) Tetrahydrofuran          | 7.446  | 42    | 56160    | 246.939  | ug/l   | 93       |
| 30) Chloroform               | 7.599  | 83    | 165998   | 58.493   | ug/l   | 97       |
| 31) Cyclohexane              | 7.881  | 56    | 107667   | 42.384   | ug/l   | 96       |
| 32) 1,1,1-Trichloroethane    | 7.793  | 97    | 137163   | 54.826   | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 8.011  | 75    | 118054   | 49.680   | ug/l   | 96       |
| 37) Ethyl Acetate            | 7.164  | 43    | 41641    | 44.941   | ug/l # | 94       |
| 38) Carbon Tetrachloride     | 7.993  | 117   | 121688   | 51.366   | ug/l   | 97       |
| 39) Methylcyclohexane        | 9.275  | 83    | 129683   | 46.034   | ug/l   | 96       |
| 40) Benzene                  | 8.252  | 78    | 366335   | 54.316   | ug/l   | 99       |

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 Sample : 05796-06MSD  
 Misc : 5.09G/5.0ml/MSVOA\_D/SOIL/A  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Dec 22 05:34:40 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D120823S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 14 14:48:10 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.399  | 41   | 23266    | 49.403  | ug/l # | 90       |
| 42) 1,2-Dichloroethane        | 8.328  | 62   | 95967    | 54.893  | ug/l   | 94       |
| 43) Isopropyl Acetate         | 8.363  | 43   | 82619    | 50.160  | ug/l   | 92       |
| 44) Trichloroethene           | 9.028  | 130  | 96518    | 54.915  | ug/l   | 100      |
| 45) 1,2-Dichloropropane       | 9.305  | 63   | 90052    | 54.925  | ug/l   | 100      |
| 46) Dibromomethane            | 9.393  | 93   | 49464    | 57.018  | ug/l   | 96       |
| 47) Bromodichloromethane      | 9.587  | 83   | 127884   | 58.160  | ug/l   | 94       |
| 48) Methyl methacrylate       | 9.381  | 41   | 47117    | 50.323  | ug/l   | 82       |
| 49) 1,4-Dioxane               | 9.387  | 88   | 8295     | 962.954 | ug/l # | 78       |
| 51) 4-Methyl-2-Pentanone      | 10.157 | 43   | 215384   | 256.221 | ug/l   | 93       |
| 52) Toluene                   | 10.334 | 92   | 234927   | 56.154  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.552 | 75   | 117438   | 55.617  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 10.016 | 75   | 143691   | 56.285  | ug/l # | 91       |
| 55) 1,1,2-Trichloroethane     | 10.734 | 97   | 70632    | 59.524  | ug/l   | 95       |
| 56) Ethyl methacrylate        | 10.599 | 69   | 57437    | 54.909  | ug/l # | 90       |
| 57) 1,3-Dichloropropane       | 10.881 | 76   | 118575   | 57.971  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 9.869  | 63   | 133704   | 224.135 | ug/l   | 96       |
| 59) 2-Hexanone                | 10.922 | 43   | 153144   | 219.588 | ug/l   | 92       |
| 60) Dibromochloromethane      | 11.075 | 129  | 87839    | 61.483  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.181 | 107  | 66552    | 59.581  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.810 | 164  | 77127    | 52.888  | ug/l   | 95       |
| 65) Chlorobenzene             | 11.610 | 112  | 253116   | 54.276  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.681 | 131  | 95865    | 58.103  | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.687 | 91   | 453973   | 54.957  | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.793 | 106  | 361220   | 114.322 | ug/l   | 94       |
| 69) o-Xylene                  | 12.122 | 106  | 166374   | 57.134  | ug/l   | 93       |
| 70) Styrene                   | 12.134 | 104  | 255917   | 59.103  | ug/l   | 96       |
| 71) Bromoform                 | 12.299 | 173  | 50172    | 58.198  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.422 | 105  | 440531   | 52.665  | ug/l   | 96       |
| 74) N-amyl acetate            | 12.234 | 43   | 72545    | 44.120  | ug/l   | 94       |
| 75) 1,1,2,2-Tetrachloroethane | 12.675 | 83   | 80765    | 55.375  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.722 | 75   | 96868    | 101.058 | ug/l # | 100      |
| 77) Bromobenzene              | 12.699 | 156  | 103327   | 52.517  | ug/l   | 92       |
| 78) n-propylbenzene           | 12.763 | 91   | 539982   | 52.977  | ug/l   | 96       |
| 79) 2-Chlorotoluene           | 12.851 | 91   | 286533   | 52.456  | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 369349   | 52.942  | ug/l   | 96       |
| 81) trans-1,4-Dichloro-2-b... | 12.469 | 75   | 24875    | 52.579  | ug/l   | 97       |
| 82) 4-Chlorotoluene           | 12.946 | 91   | 306937   | 53.749  | ug/l   | 96       |
| 83) tert-Butylbenzene         | 13.169 | 119  | 321101   | 54.518  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.210 | 105  | 384565   | 55.112  | ug/l   | 96       |
| 85) sec-Butylbenzene          | 13.346 | 105  | 460974   | 52.949  | ug/l   | 97       |
| 86) p-Isopropyltoluene        | 13.457 | 119  | 416088   | 53.381  | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene       | 13.457 | 146  | 218887   | 54.402  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.540 | 146  | 213073   | 53.157  | ug/l   | 97       |
| 89) n-Butylbenzene            | 13.787 | 91   | 381441   | 52.006  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.051 | 117  | 81936    | 57.158  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 13.828 | 146  | 187240   | 54.718  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.445 | 75   | 11370    | 53.892  | ug/l   | 96       |
| 93) 1,2,4-Trichlorobenzene    | 15.098 | 180  | 114858   | 49.140  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.204 | 225  | 59947    | 47.562  | ug/l   | 99       |
| 95) Naphthalene               | 15.328 | 128  | 211942   | 54.575  | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene    | 15.522 | 180  | 99657    | 51.718  | ug/l   | 99       |

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Sample : 05796-06MSD  
Misc : 5.09G/5.0ml/MSVOA\_D/SOIL/A  
ALS Vial : 17 Sample Multiplier: 1

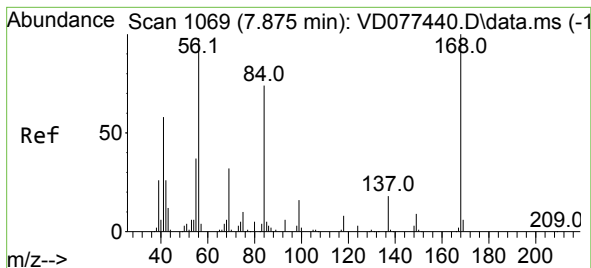
Instrument :  
MSVOA\_D  
ClientSampleId :

Quant Time: Dec 22 05:34:40 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D120823S.M  
Quant Title : SW846 8260  
QLast Update : Thu Dec 14 14:48:10 2023  
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: 7.881 min Scan# 1069

Delta R.T. 0.006 min

Lab File: VD078036.D

Acq: 21 Dec 2023 19:49

Instrument :

MSVOA\_D

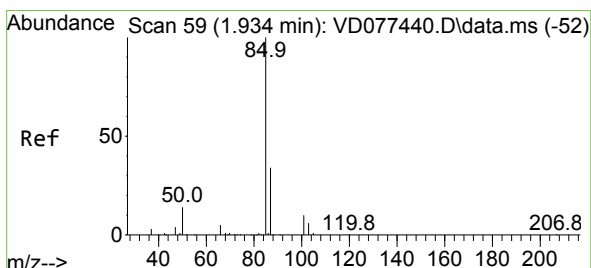
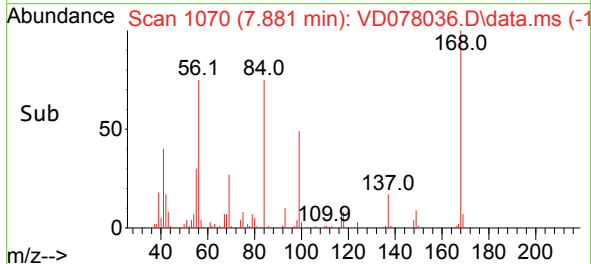
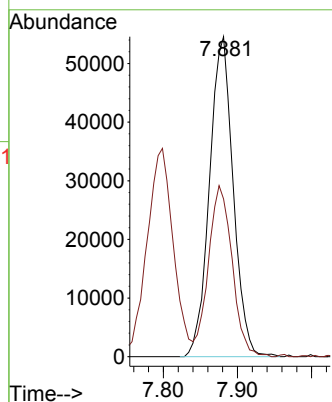
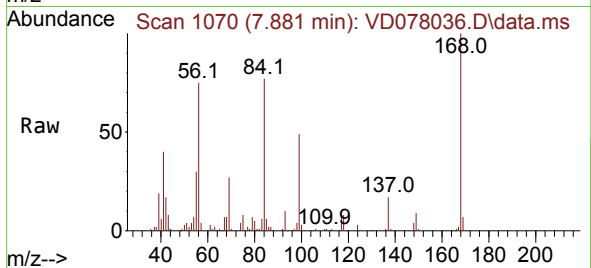
ClientSampleId :

Tgt Ion:168 Resp: 121201

Ion Ratio Lower Upper

168 100

99 48.8 36.7 55.1



#2

Dichlorodifluoromethane

Concen: 39.351 ug/l

RT: 1.934 min Scan# 59

Delta R.T. 0.000 min

Lab File: VD078036.D

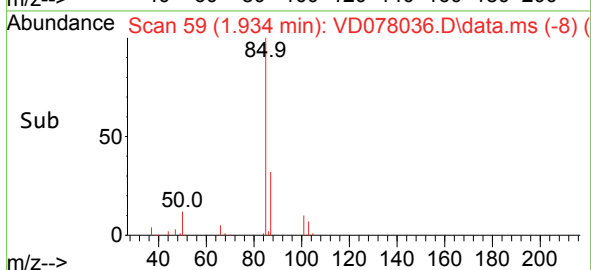
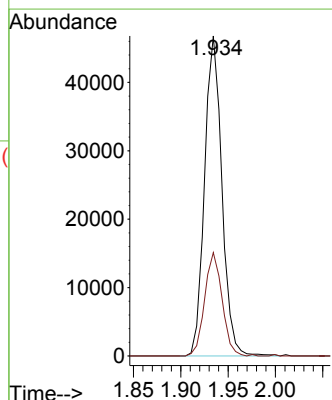
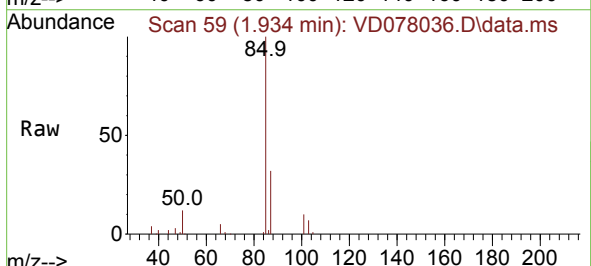
Acq: 21 Dec 2023 19:49

Tgt Ion: 85 Resp: 59578

Ion Ratio Lower Upper

85 100

87 32.3 15.7 47.0

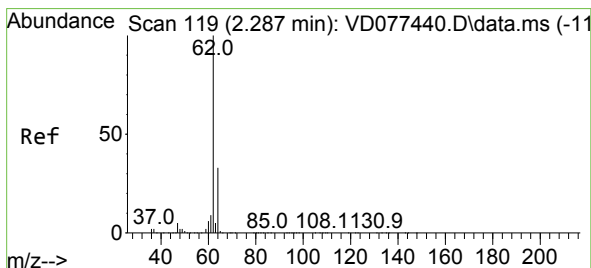
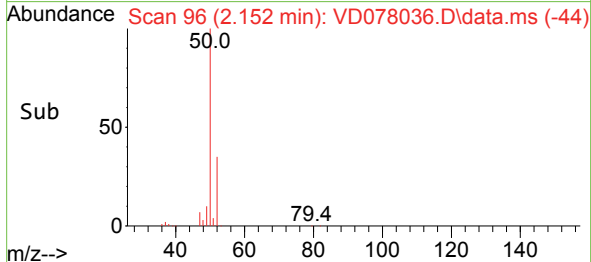
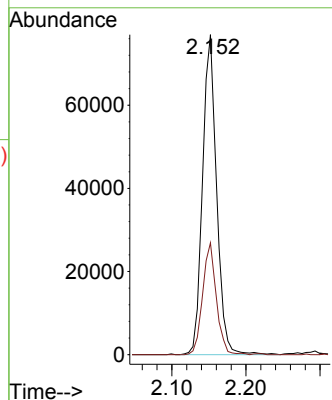
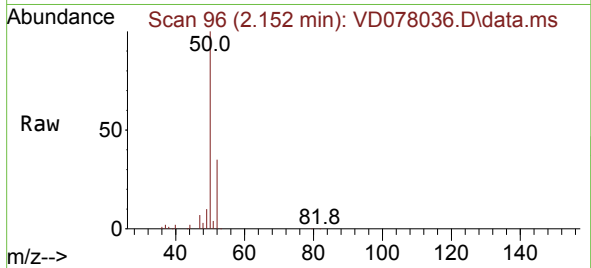




#3  
Chloromethane  
Concen: 49.181 ug/l  
RT: 2.152 min Scan# 95  
Delta R.T. 0.006 min  
Lab File: VD078036.D  
Acq: 21 Dec 2023 19:49

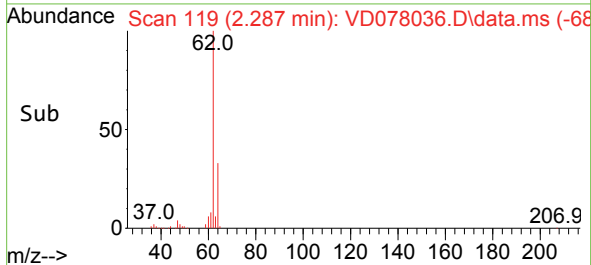
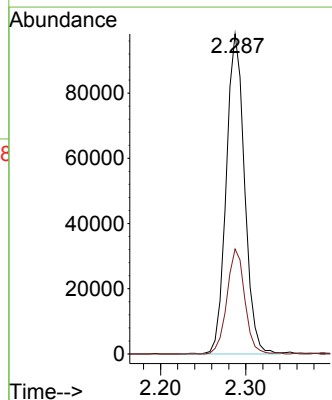
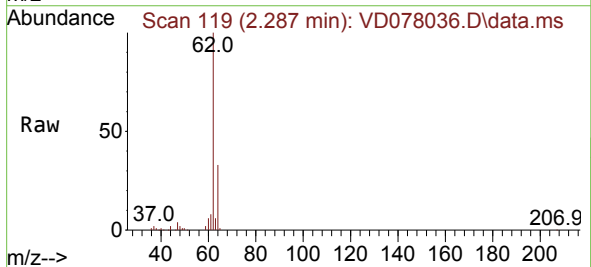
Instrument :  
MSVOA\_D  
ClientSampleId :

Tgt Ion: 50 Resp: 101494  
Ion Ratio Lower Upper  
50 100  
52 34.9 26.6 40.0



#4  
Vinyl Chloride  
Concen: 52.255 ug/l  
RT: 2.287 min Scan# 119  
Delta R.T. 0.000 min  
Lab File: VD078036.D  
Acq: 21 Dec 2023 19:49

Tgt Ion: 62 Resp: 146396  
Ion Ratio Lower Upper  
62 100  
64 32.8 26.0 39.0

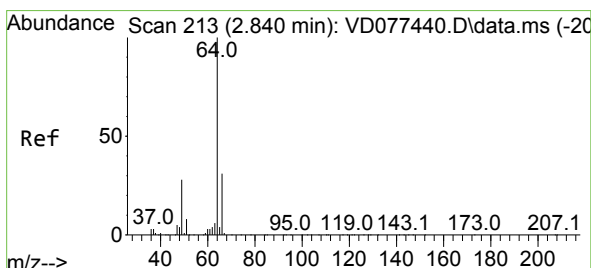
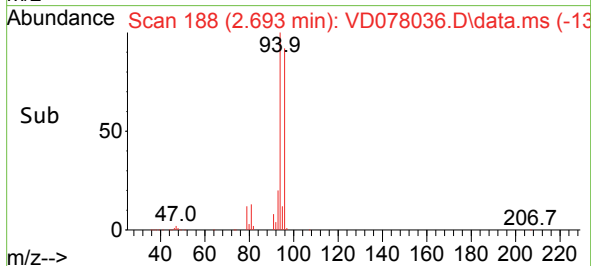
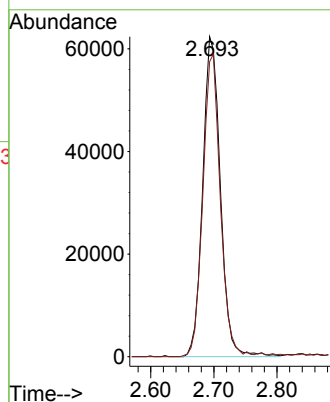
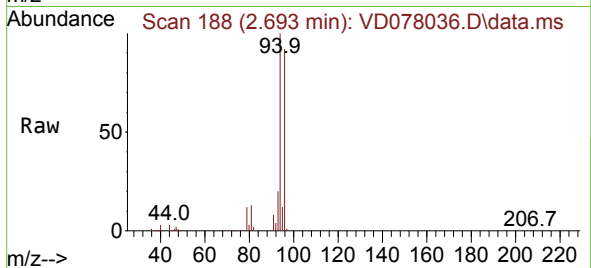




#5  
Bromomethane  
Concen: 77.089 ug/l  
RT: 2.693 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VD078036.D  
Acq: 21 Dec 2023 19:49

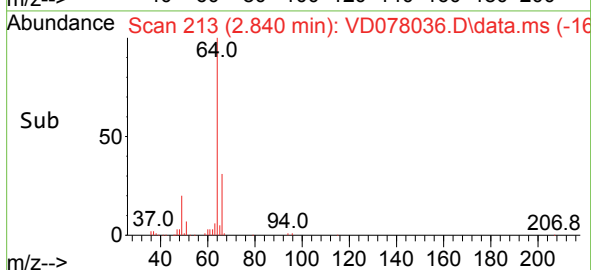
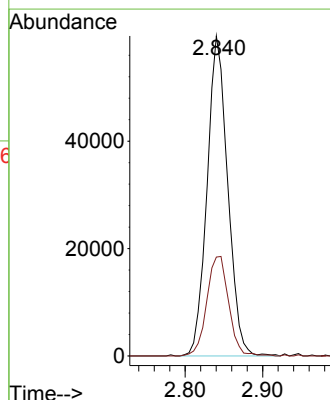
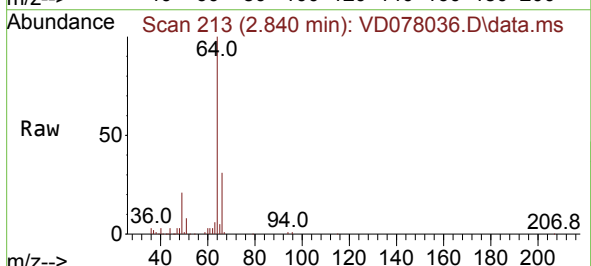
Instrument :  
MSVOA\_D  
ClientSampleId :

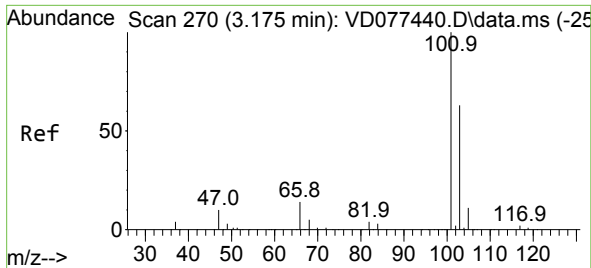
Tgt Ion: 94 Resp: 121186  
Ion Ratio Lower Upper  
94 100  
96 93.3 75.8 113.8



#6  
Chloroethane  
Concen: 57.762 ug/l  
RT: 2.840 min Scan# 213  
Delta R.T. 0.000 min  
Lab File: VD078036.D  
Acq: 21 Dec 2023 19:49

Tgt Ion: 64 Resp: 110326  
Ion Ratio Lower Upper  
64 100  
66 30.9 25.5 38.3

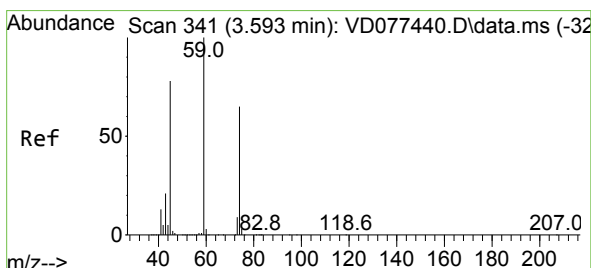
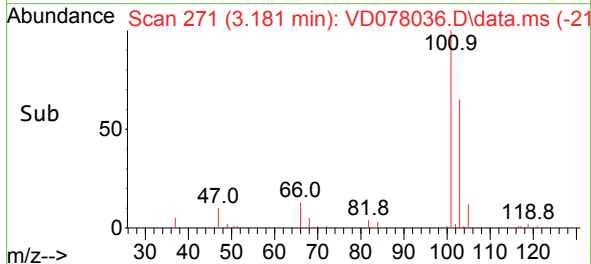
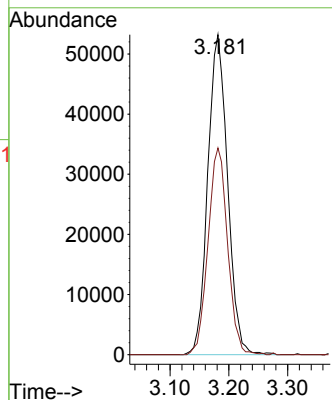
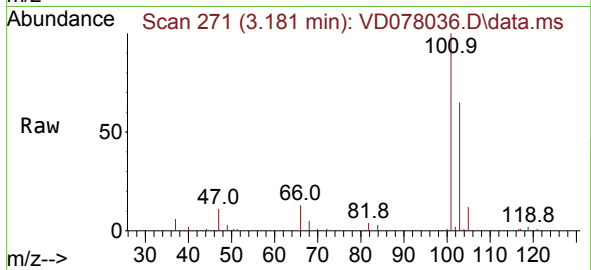




#7  
 Trichlorofluoromethane  
 Concen: 48.269 ug/l  
 RT: 3.181 min Scan# 21  
 Delta R.T. 0.006 min  
 Lab File: VD078036.D  
 Acq: 21 Dec 2023 19:49

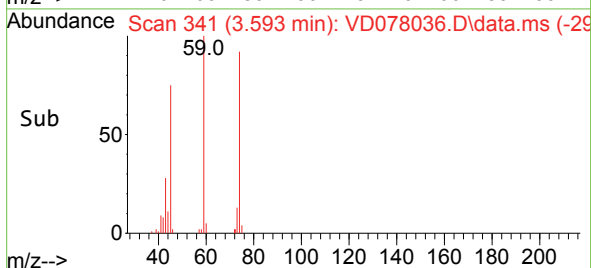
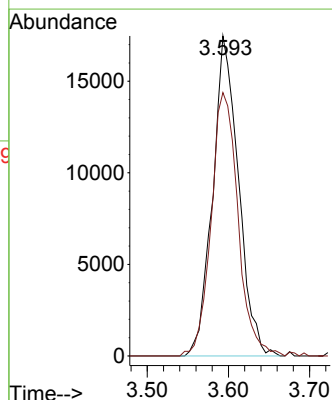
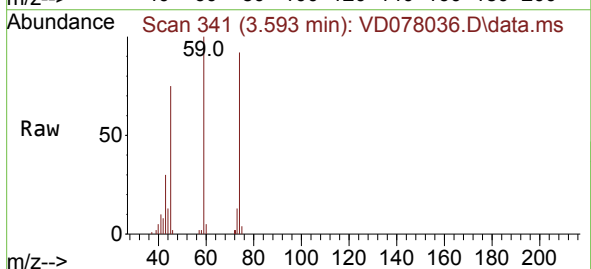
Instrument :  
 MSVOA\_D  
 ClientSampleId :

Tgt Ion:101 Resp: 124545  
 Ion Ratio Lower Upper  
 101 100  
 103 64.6 52.3 78.5



#8  
 Diethyl Ether  
 Concen: 53.376 ug/l  
 RT: 3.593 min Scan# 341  
 Delta R.T. 0.000 min  
 Lab File: VD078036.D  
 Acq: 21 Dec 2023 19:49

Tgt Ion: 74 Resp: 38673  
 Ion Ratio Lower Upper  
 74 100  
 45 85.4 37.5 112.7

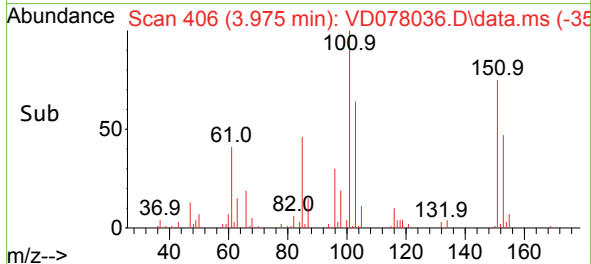
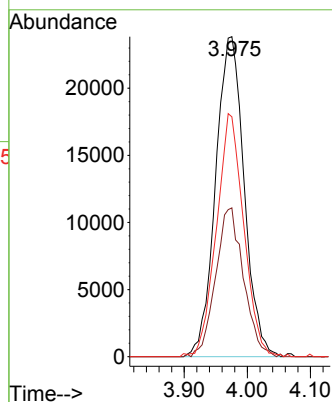
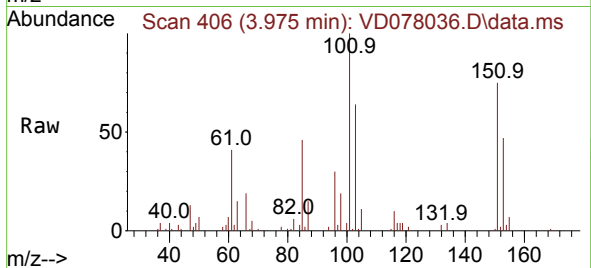




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 50.615 ug/l  
RT: 3.975 min Scan# 406  
Delta R.T. 0.012 min  
Lab File: VD078036.D  
Acq: 21 Dec 2023 19:49

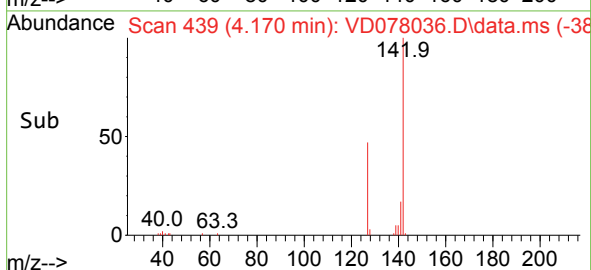
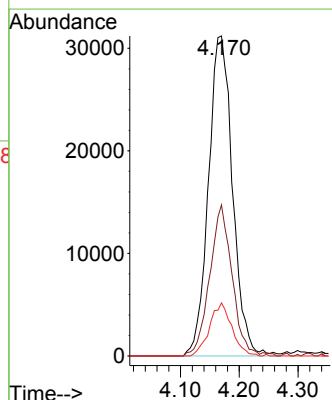
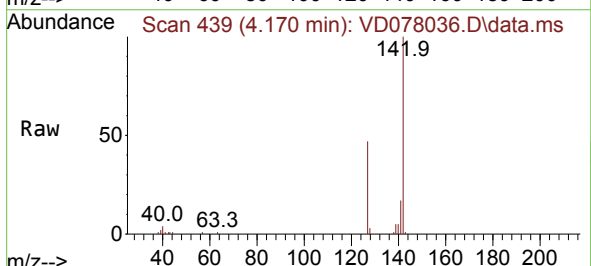
Instrument :  
MSVOA\_D  
ClientSampleId :

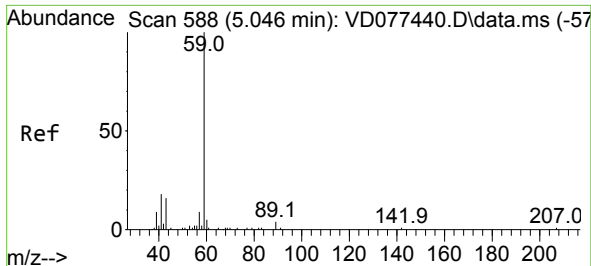
Tgt Ion:101 Resp: 74713  
Ion Ratio Lower Upper  
101 100  
85 45.6 33.8 50.6  
151 72.7 59.8 89.6



#10  
Methyl Iodide  
Concen: 66.352 ug/l  
RT: 4.170 min Scan# 439  
Delta R.T. 0.001 min  
Lab File: VD078036.D  
Acq: 21 Dec 2023 19:49

Tgt Ion:142 Resp: 89138  
Ion Ratio Lower Upper  
142 100  
127 43.4 29.4 44.0  
141 15.3 11.1 16.7

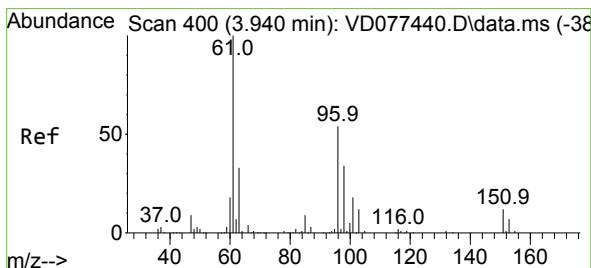
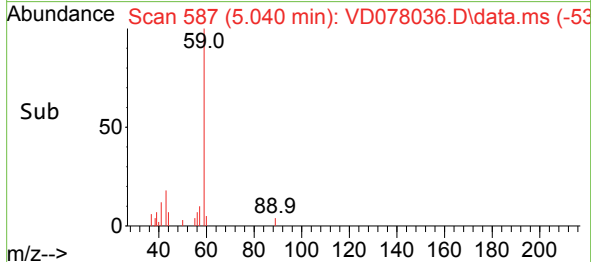
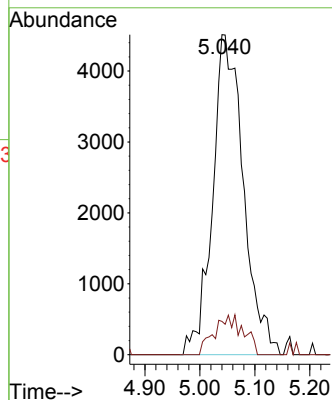
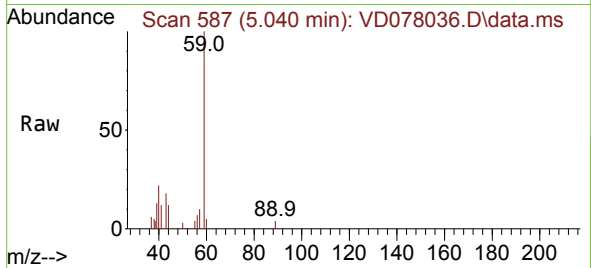




#11  
Tert butyl alcohol  
Concen: 256.306 ug/l  
RT: 5.040 min Scan# 51  
Delta R.T. -0.006 min  
Lab File: VD078036.D  
Acq: 21 Dec 2023 19:49

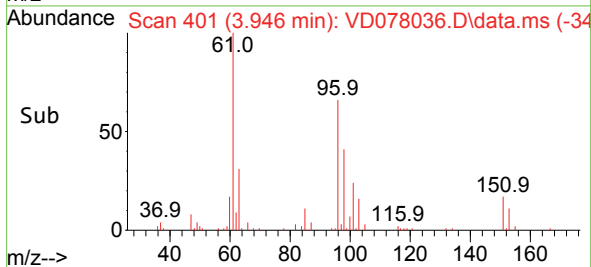
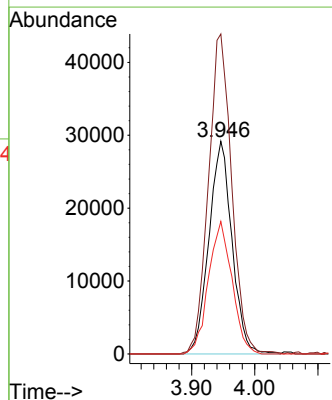
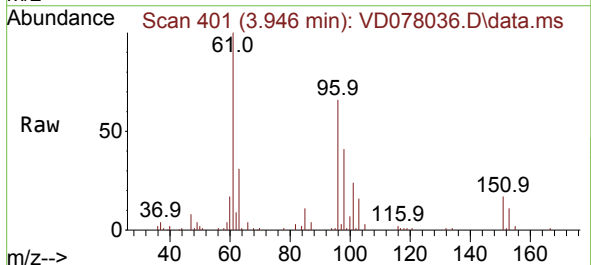
Instrument :  
MSVOA\_D  
ClientSampleId :

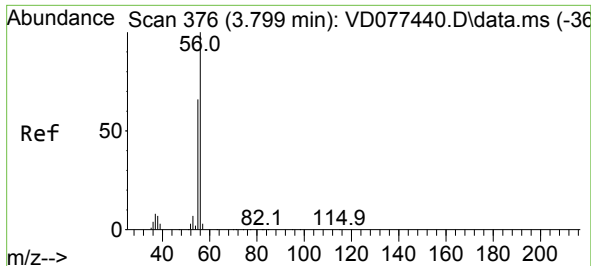
Tgt Ion: 59 Resp: 17608  
Ion Ratio Lower Upper  
59 100  
57 5.1 7.8 11.8#



#12  
1,1-Dichloroethene  
Concen: 50.869 ug/l  
RT: 3.946 min Scan# 401  
Delta R.T. 0.006 min  
Lab File: VD078036.D  
Acq: 21 Dec 2023 19:49

Tgt Ion: 96 Resp: 74110  
Ion Ratio Lower Upper  
96 100  
61 150.5 100.6 150.8  
98 62.3 50.2 75.2

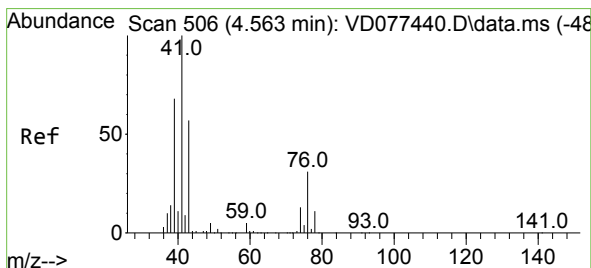
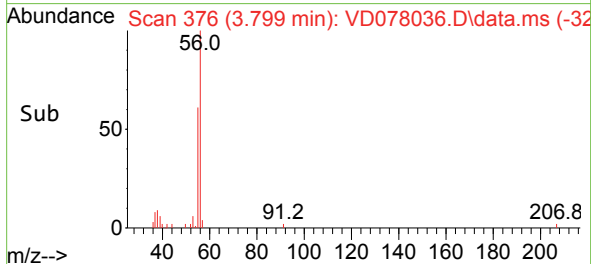
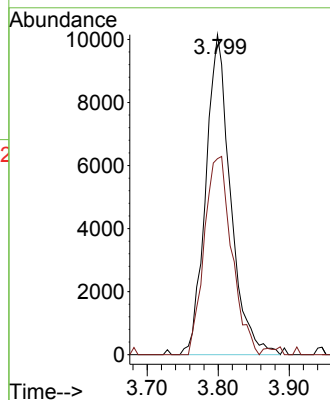
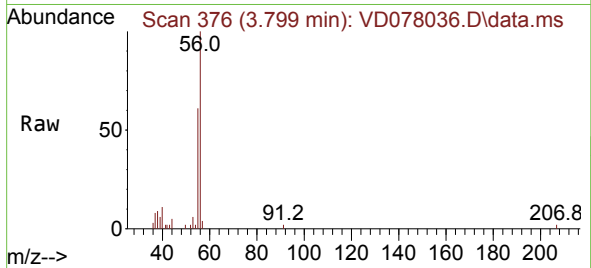




#13  
Acrolein  
Concen: 162.840 ug/l  
RT: 3.799 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VD078036.D  
Acq: 21 Dec 2023 19:49

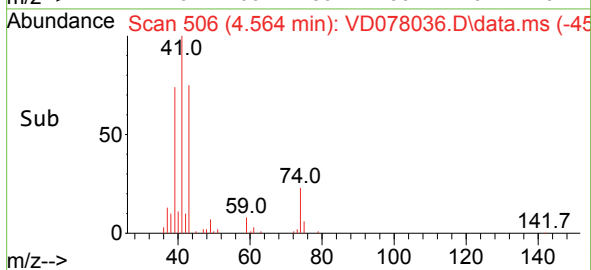
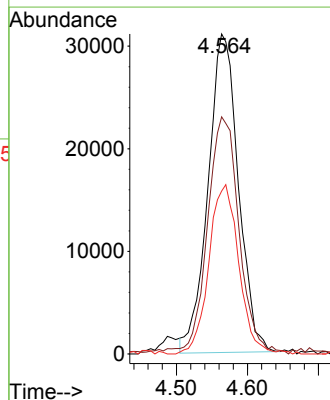
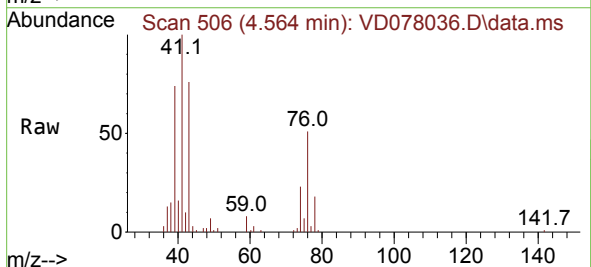
Instrument :  
MSVOA\_D  
ClientSampleId :

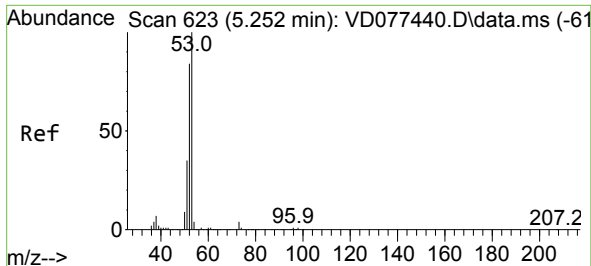
Tgt Ion: 56 Resp: 24601  
Ion Ratio Lower Upper  
56 100  
55 68.7 55.1 82.7



#14  
Allyl chloride  
Concen: 45.957 ug/l  
RT: 4.564 min Scan# 506  
Delta R.T. 0.001 min  
Lab File: VD078036.D  
Acq: 21 Dec 2023 19:49

Tgt Ion: 41 Resp: 92085  
Ion Ratio Lower Upper  
41 100  
39 78.3 53.8 80.6  
76 52.3 45.8 68.8

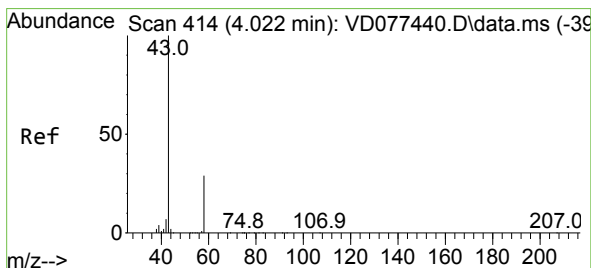
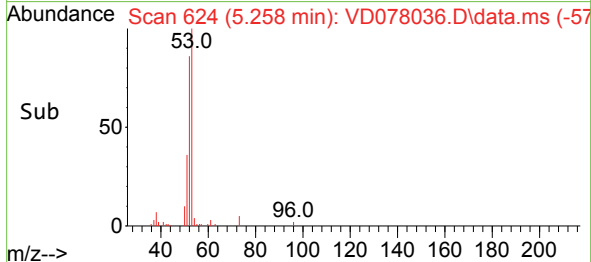
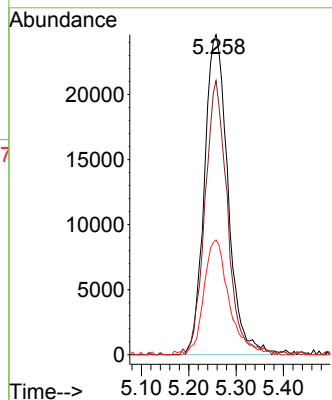
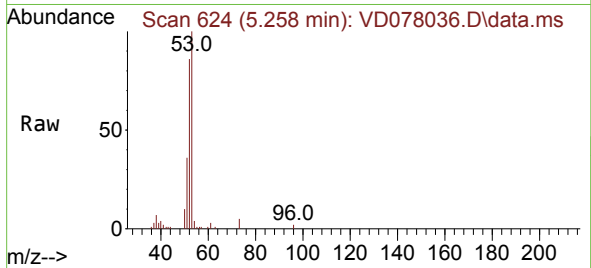




#15  
Acrylonitrile  
Concen: 274.517 ug/l  
RT: 5.258 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VD078036.D  
Acq: 21 Dec 2023 19:49

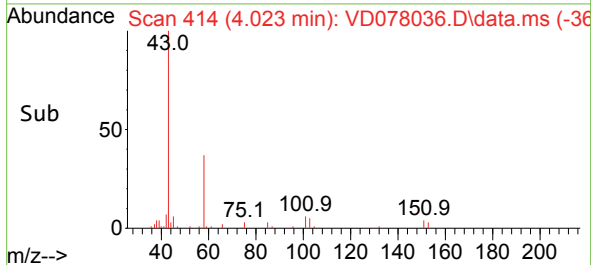
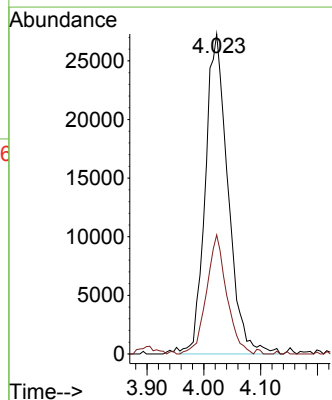
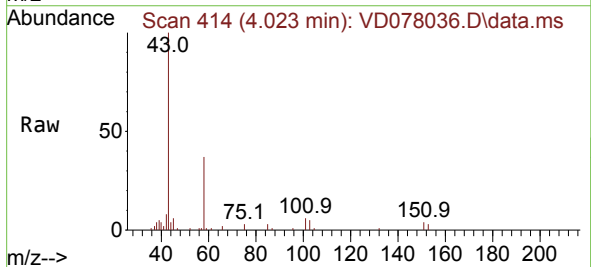
Instrument :  
MSVOA\_D  
ClientSampleId :

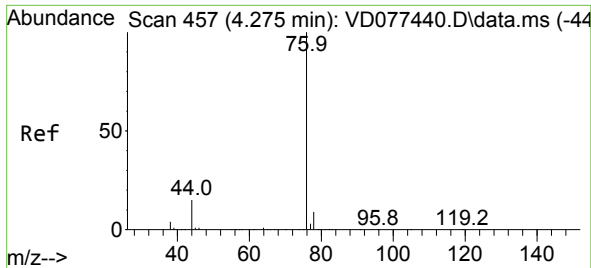
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 53      | 100   |       |       |
| 52      | 81.5  | 65.0  | 97.4  |
| 51      | 38.4  | 28.3  | 42.5  |



#16  
Acetone  
Concen: 244.657 ug/l  
RT: 4.023 min Scan# 414  
Delta R.T. 0.000 min  
Lab File: VD078036.D  
Acq: 21 Dec 2023 19:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 37.2  | 34.7  | 52.1  |

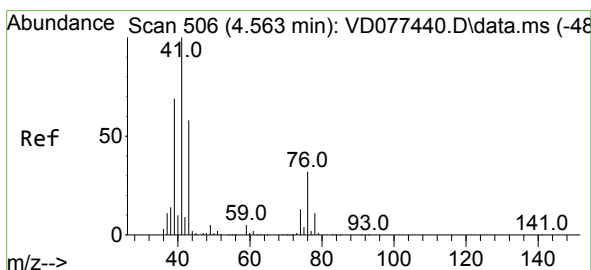
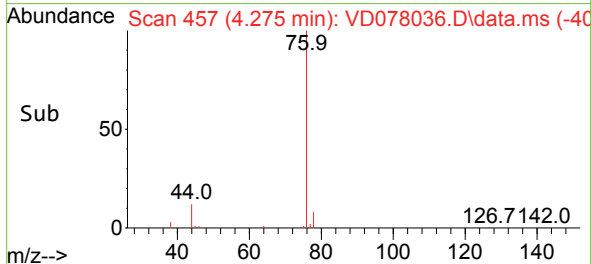
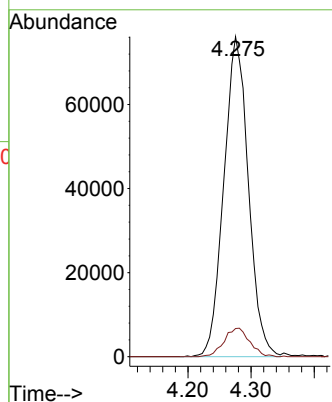
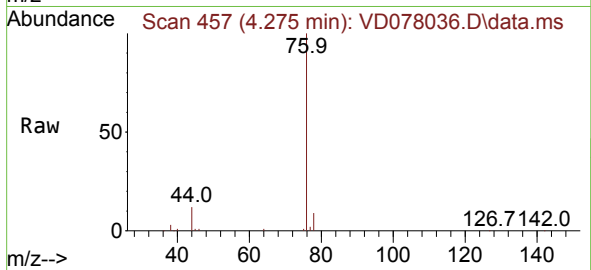




#17  
Carbon Disulfide  
Concen: 41.674 ug/l  
RT: 4.275 min Scan# 417  
Delta R.T. 0.000 min  
Lab File: VD078036.D  
Acq: 21 Dec 2023 19:49

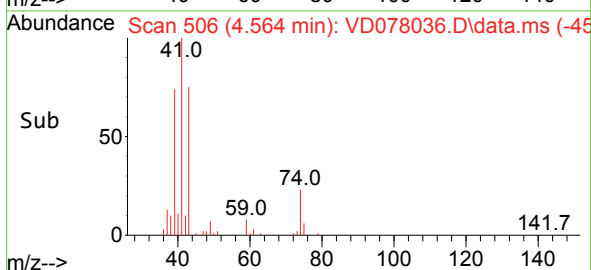
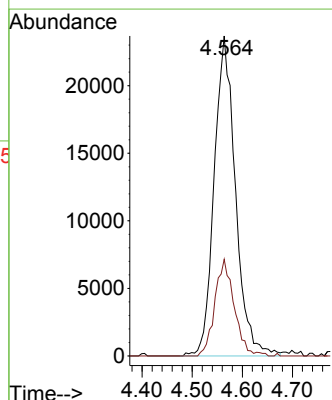
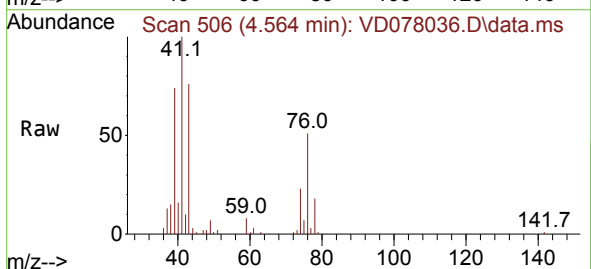
Instrument :  
MSVOA\_D  
ClientSampleId :

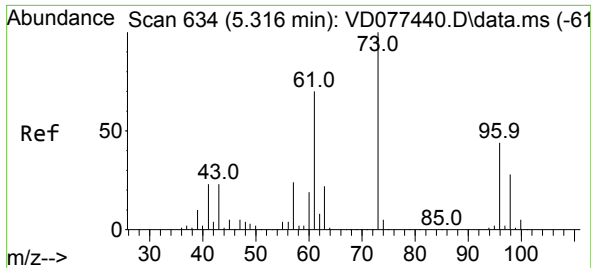
Tgt Ion: 76 Resp: 205406  
Ion Ratio Lower Upper  
76 100  
78 8.8 6.8 10.2



#18  
Methyl Acetate  
Concen: 62.162 ug/l  
RT: 4.564 min Scan# 506  
Delta R.T. 0.001 min  
Lab File: VD078036.D  
Acq: 21 Dec 2023 19:49

Tgt Ion: 43 Resp: 69918  
Ion Ratio Lower Upper  
43 100  
74 27.5 26.4 39.6

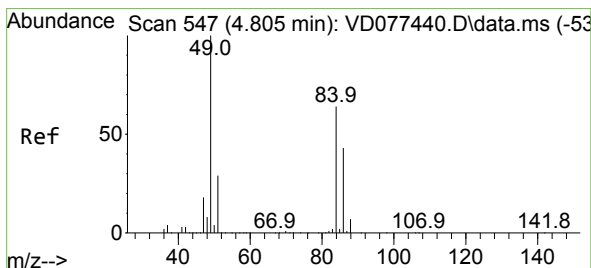
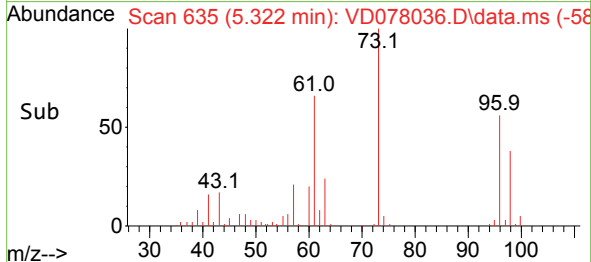
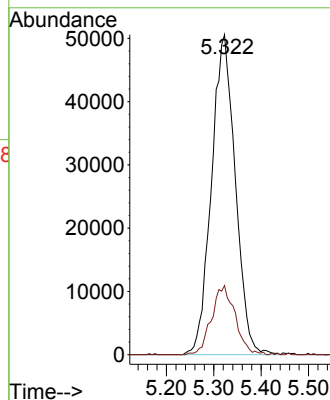
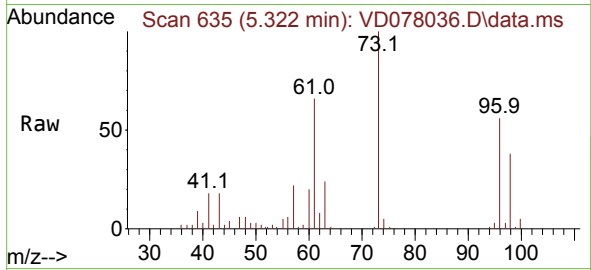




#19  
Methyl tert-butyl Ether  
Concen: 57.246 ug/l  
RT: 5.322 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VD078036.D  
Acq: 21 Dec 2023 19:49

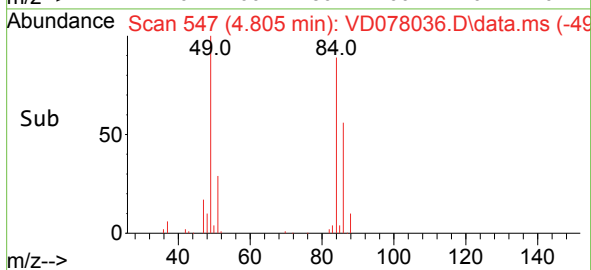
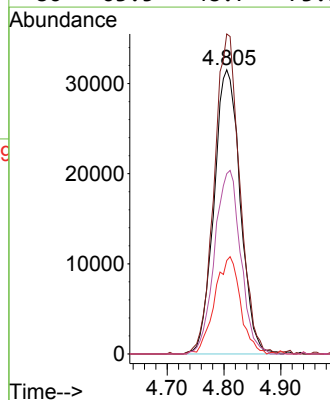
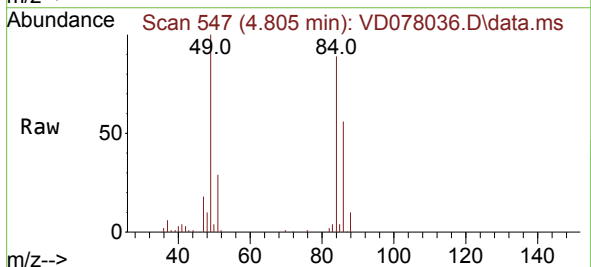
Instrument :  
MSVOA\_D  
ClientSampleId :

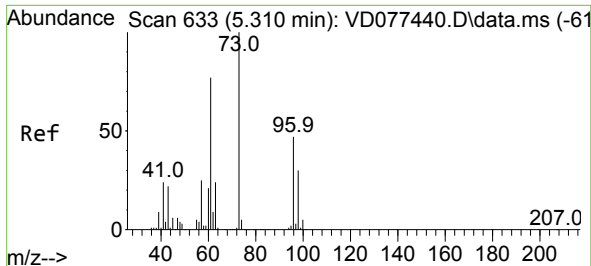
Tgt Ion: 73 Resp: 176948  
Ion Ratio Lower Upper  
73 100  
57 21.6 16.6 25.0



#20  
Methylene Chloride  
Concen: 60.880 ug/l  
RT: 4.805 min Scan# 547  
Delta R.T. -0.000 min  
Lab File: VD078036.D  
Acq: 21 Dec 2023 19:49

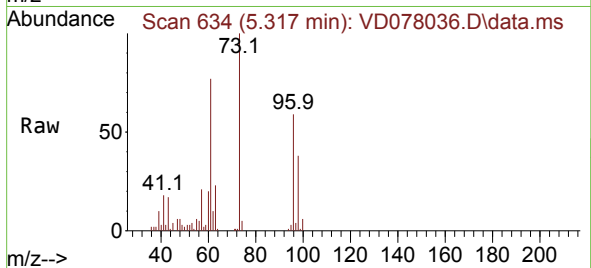
Tgt Ion: 84 Resp: 101188  
Ion Ratio Lower Upper  
84 100  
49 112.6 71.4 107.2#  
51 32.9 24.5 36.7  
86 63.5 48.7 73.1



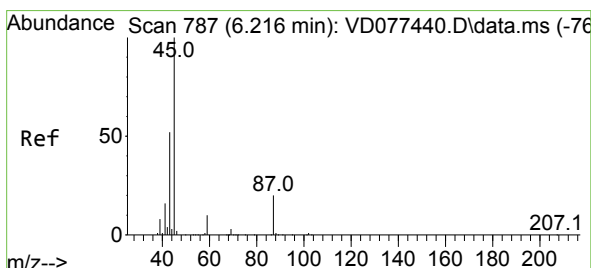
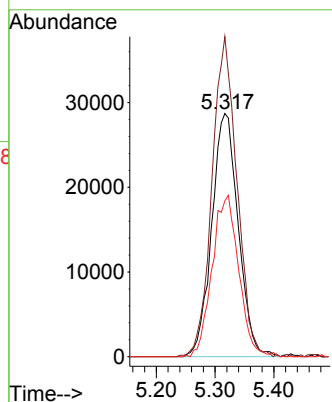
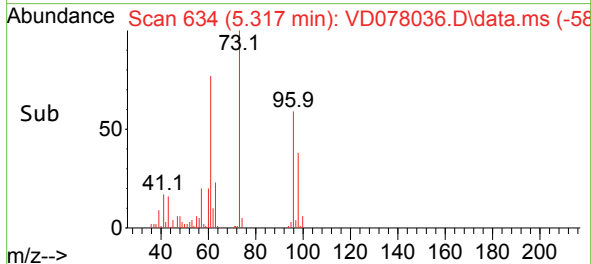


#21  
trans-1,2-Dichloroethene  
Concen: 54.420 ug/l  
RT: 5.317 min Scan# 61  
Delta R.T. 0.007 min  
Lab File: VD078036.D  
Acq: 21 Dec 2023 19:49

Instrument :  
MSVOA\_D  
ClientSampleId :

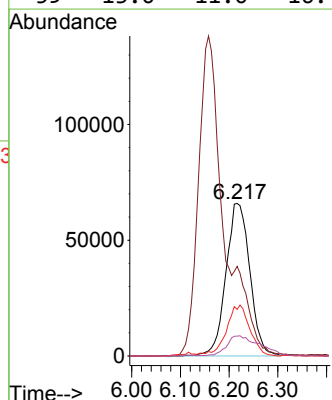
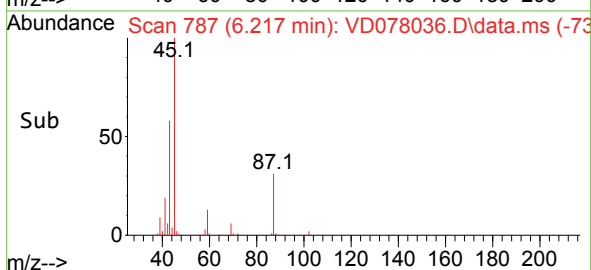
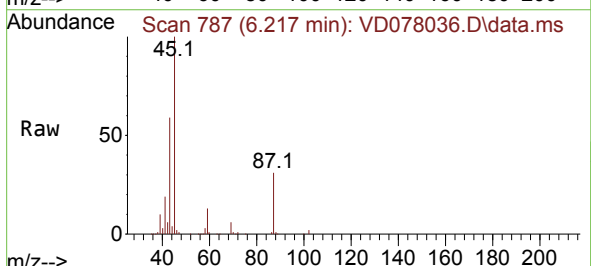


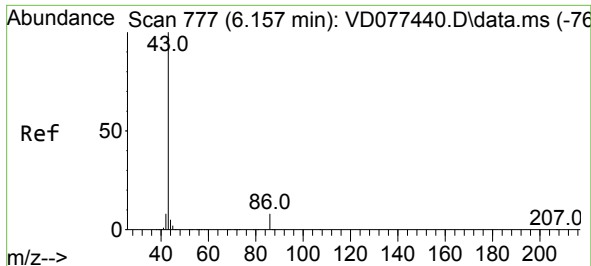
Tgt Ion: 96 Resp: 89801  
Ion Ratio Lower Upper  
96 100  
61 131.6 89.3 133.9  
98 64.0 48.6 73.0



#22  
Diisopropyl ether  
Concen: 53.642 ug/l  
RT: 6.217 min Scan# 787  
Delta R.T. 0.001 min  
Lab File: VD078036.D  
Acq: 21 Dec 2023 19:49

Tgt Ion: 45 Resp: 224610  
Ion Ratio Lower Upper  
45 100  
43 57.6 40.0 60.0  
87 30.6 28.2 42.4  
59 13.0 11.0 16.4

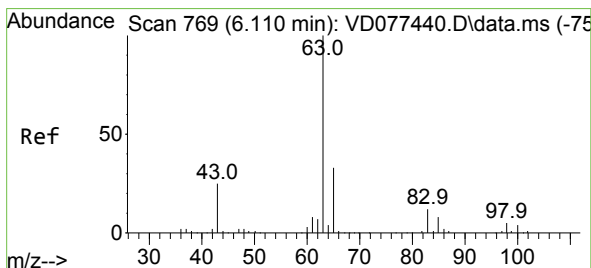
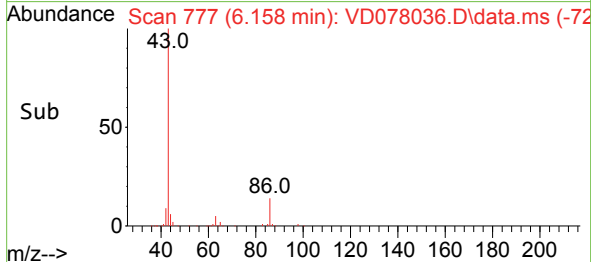
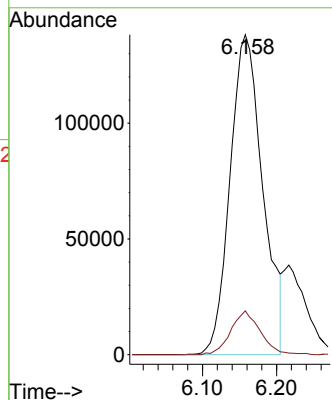
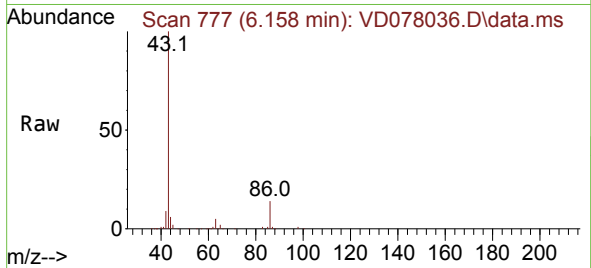




#23  
 Vinyl Acetate  
 Concen: 207.412 ug/l  
 RT: 6.158 min Scan# 71  
 Delta R.T. 0.001 min  
 Lab File: VD078036.D  
 Acq: 21 Dec 2023 19:49

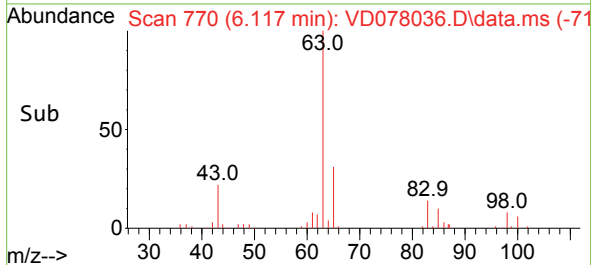
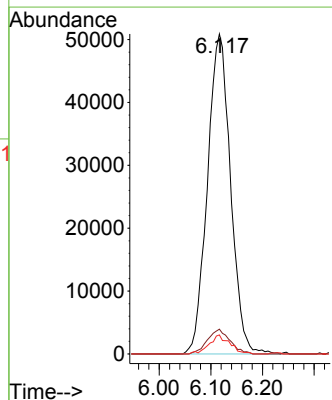
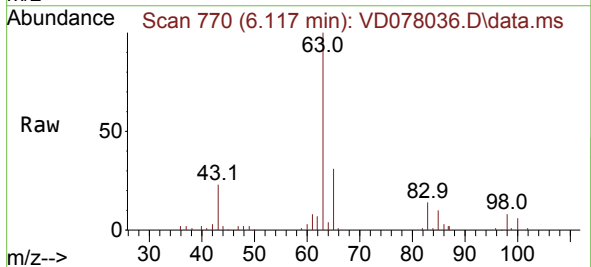
Instrument :  
 MSVOA\_D  
 ClientSampleId :

Tgt Ion: 43 Resp: 424110  
 Ion Ratio Lower Upper  
 43 100  
 86 13.7 12.5 18.7



#24  
 1,1-Dichloroethane  
 Concen: 55.733 ug/l  
 RT: 6.117 min Scan# 770  
 Delta R.T. 0.007 min  
 Lab File: VD078036.D  
 Acq: 21 Dec 2023 19:49

Tgt Ion: 63 Resp: 158034  
 Ion Ratio Lower Upper  
 63 100  
 98 7.8 4.5 13.7  
 100 5.9 2.5 7.5

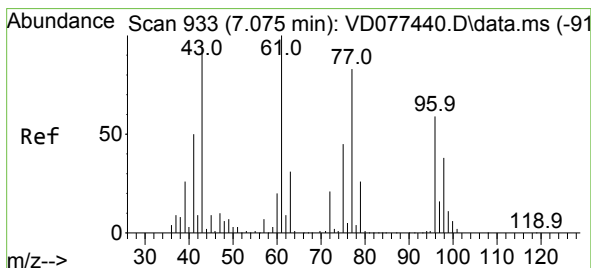
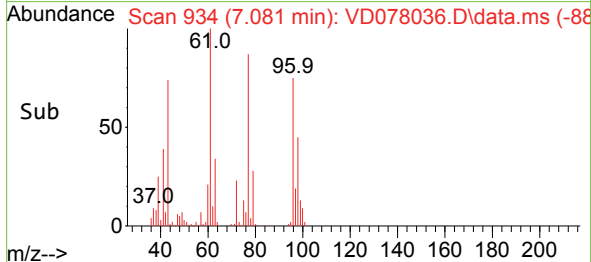
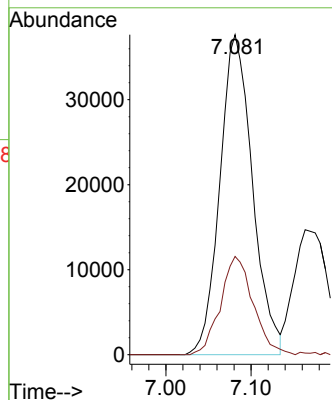
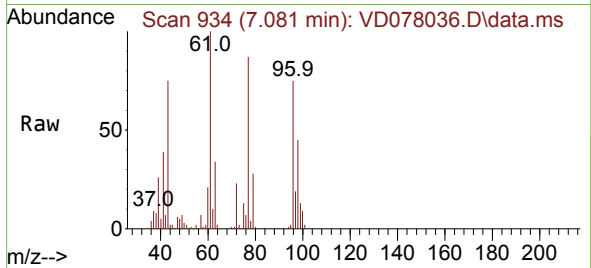




#25  
2-Butanone  
Concen: 255.290 ug/l  
RT: 7.081 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VD078036.D  
Acq: 21 Dec 2023 19:49

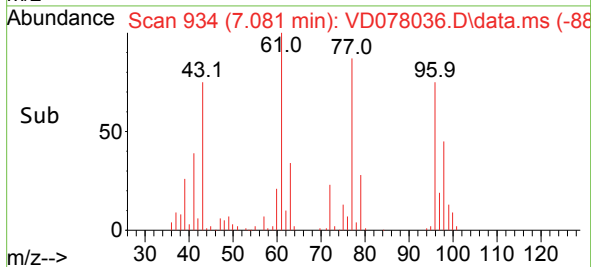
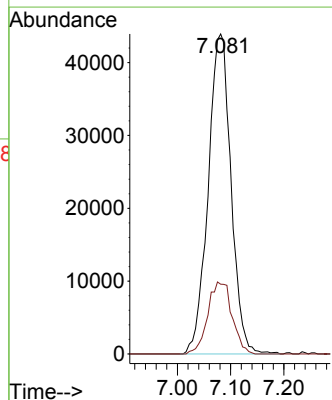
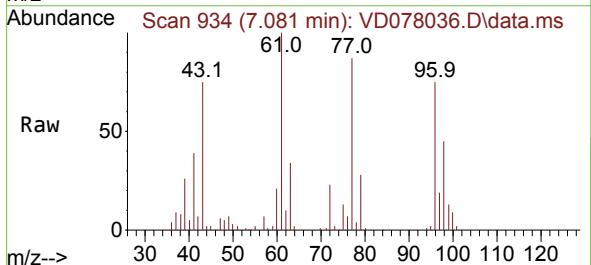
Instrument :  
MSVOA\_D  
ClientSampleId :

Tgt Ion: 43 Resp: 100098  
Ion Ratio Lower Upper  
43 100  
72 30.7 30.7 46.1



#26  
2,2-Dichloropropane  
Concen: 54.954 ug/l  
RT: 7.081 min Scan# 934  
Delta R.T. 0.006 min  
Lab File: VD078036.D  
Acq: 21 Dec 2023 19:49

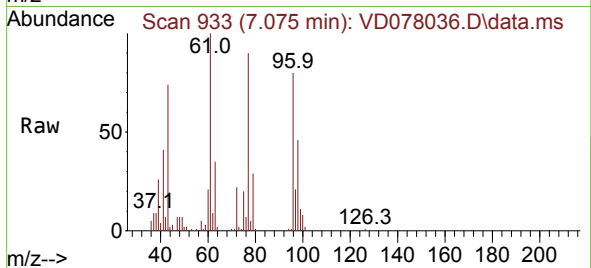
Tgt Ion: 77 Resp: 130833  
Ion Ratio Lower Upper  
77 100  
97 23.8 13.2 39.6





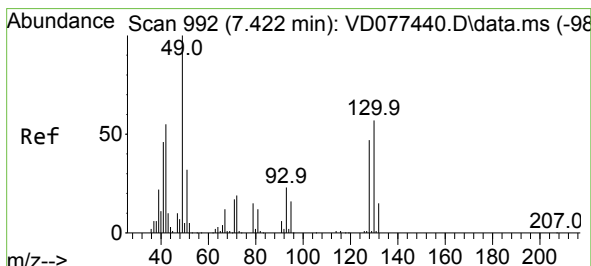
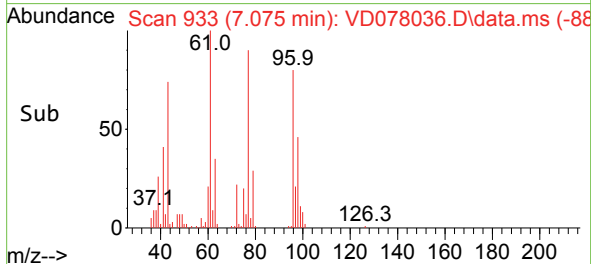
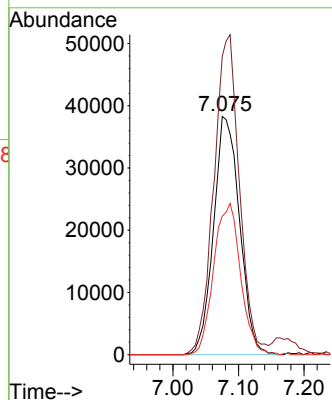
#27  
 cis-1,2-Dichloroethene  
 Concen: 59.311 ug/l  
 RT: 7.075 min Scan# 913  
 Delta R.T. -0.006 min  
 Lab File: VD078036.D  
 Acq: 21 Dec 2023 19:49

Instrument :  
 MSVOA\_D  
 ClientSampleId :



Tgt Ion: 96 Resp: 105313  

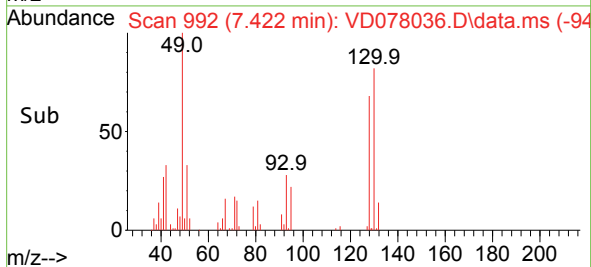
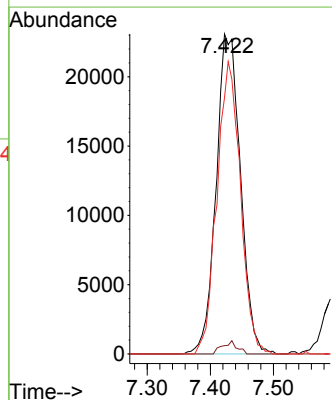
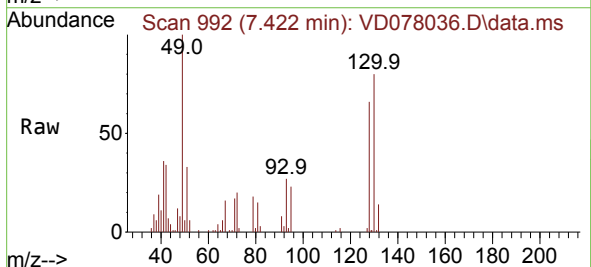
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 132.3 | 0.0   | 239.2 |
| 98  | 65.5  | 0.0   | 128.6 |

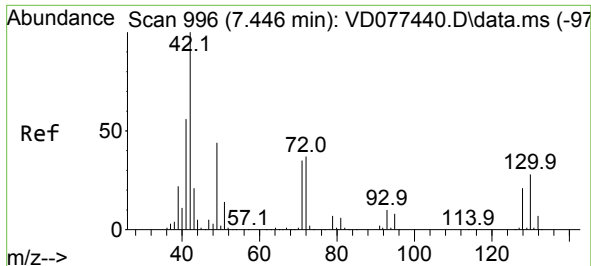


#28  
 Bromochloromethane  
 Concen: 53.986 ug/l  
 RT: 7.422 min Scan# 992  
 Delta R.T. 0.000 min  
 Lab File: VD078036.D  
 Acq: 21 Dec 2023 19:49

Tgt Ion: 49 Resp: 61857  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 49  | 100   |       |       |
| 129 | 2.4   | 0.0   | 6.0   |
| 130 | 88.2  | 83.2  | 124.8 |





#29

Tetrahydrofuran

Concen: 246.939 ug/l

RT: 7.446 min Scan# 996

Delta R.T. -0.000 min

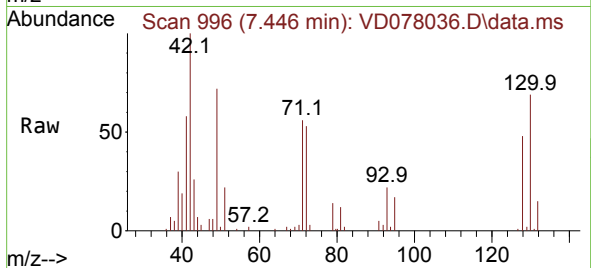
Lab File: VD078036.D

Acq: 21 Dec 2023 19:49

Instrument :

MSVOA\_D

ClientSampleId :



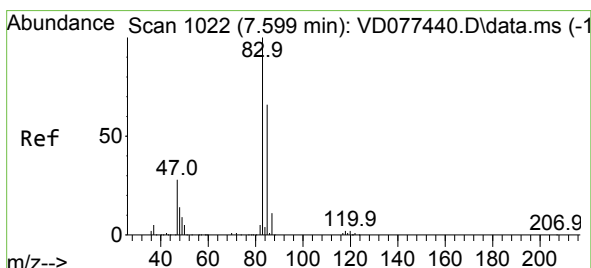
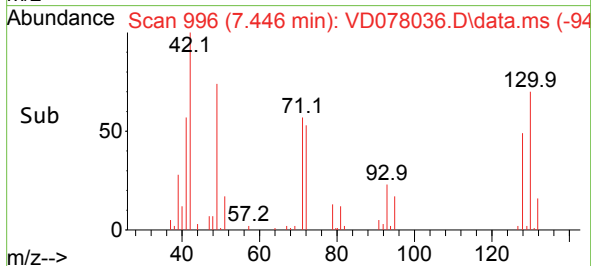
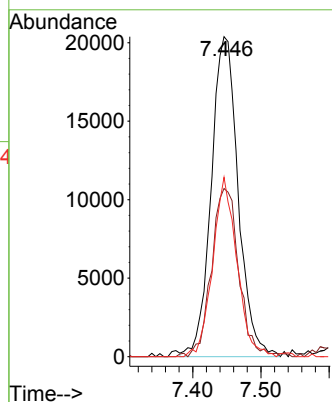
Tgt Ion: 42 Resp: 56160

Ion Ratio Lower Upper

42 100

72 53.6 46.5 69.7

71 50.3 44.5 66.7



#30

Chloroform

Concen: 58.493 ug/l

RT: 7.599 min Scan# 1022

Delta R.T. -0.000 min

Lab File: VD078036.D

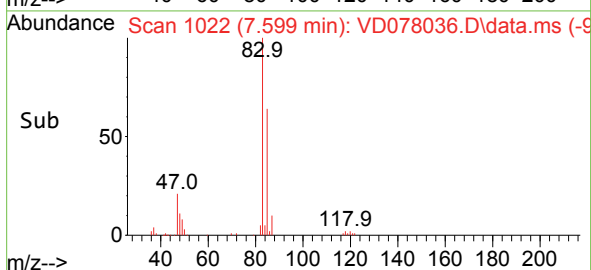
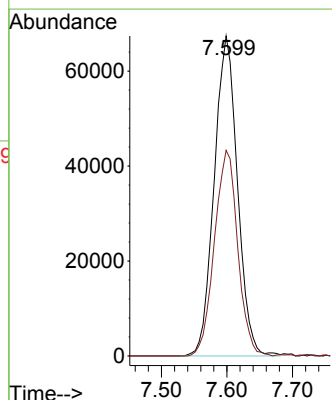
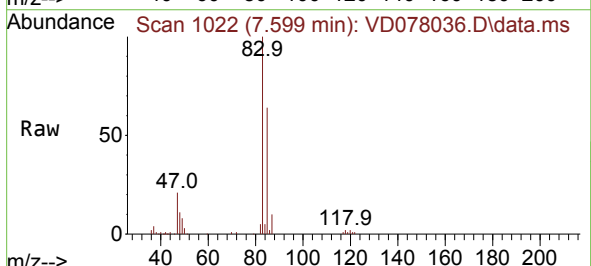
Acq: 21 Dec 2023 19:49

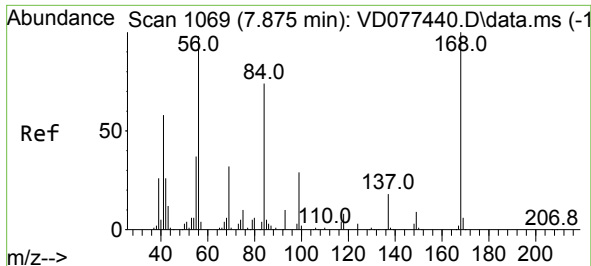
Tgt Ion: 83 Resp: 165998

Ion Ratio Lower Upper

83 100

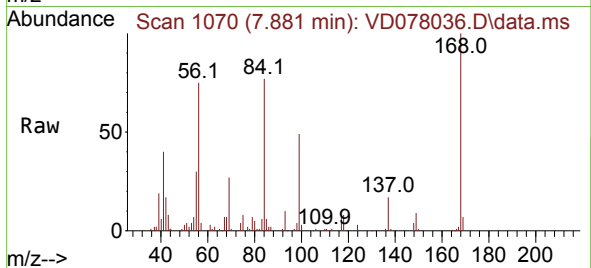
85 64.2 53.4 80.2



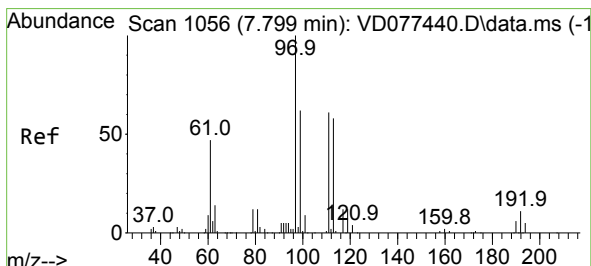
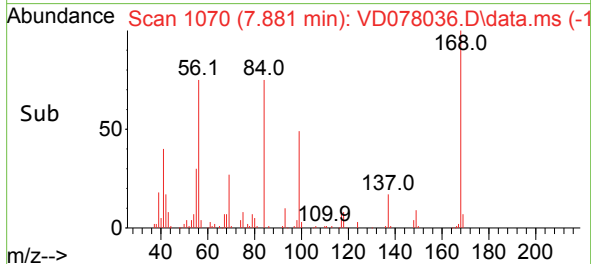
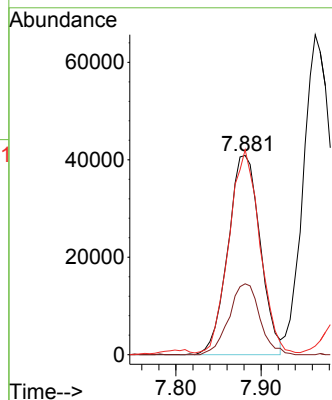


#31  
Cyclohexane  
Concen: 42.384 ug/l  
RT: 7.881 min Scan# 1069  
Delta R.T. 0.006 min  
Lab File: VD078036.D  
Acq: 21 Dec 2023 19:49

Instrument :  
MSVOA\_D  
ClientSampleId :

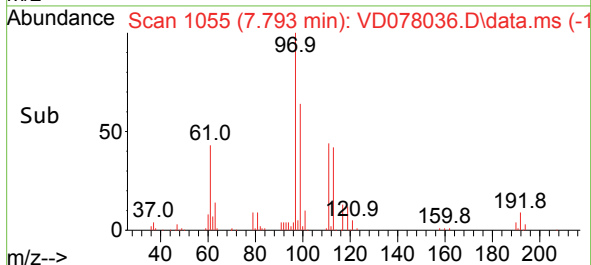
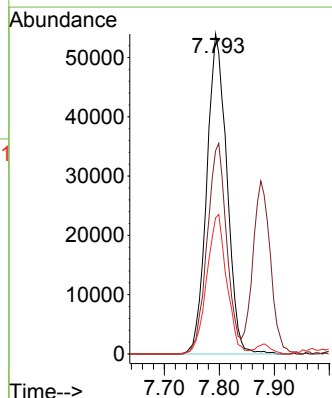
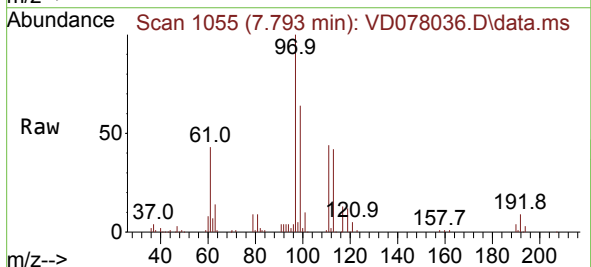


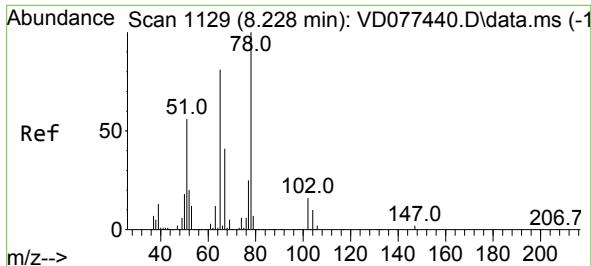
Tgt Ion: 56 Resp: 107667  
Ion Ratio Lower Upper  
56 100  
69 35.6 28.6 43.0  
84 100.9 84.8 127.2



#32  
1,1,1-Trichloroethane  
Concen: 54.826 ug/l  
RT: 7.793 min Scan# 1055  
Delta R.T. -0.006 min  
Lab File: VD078036.D  
Acq: 21 Dec 2023 19:49

Tgt Ion: 97 Resp: 137163  
Ion Ratio Lower Upper  
97 100  
99 64.3 52.0 78.0  
61 43.3 33.8 50.8





#33

1,2-Dichloroethane-d4

Concen: 55.786 ug/l

RT: 8.234 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VD078036.D

Acq: 21 Dec 2023 19:49

Instrument :

MSVOA\_D

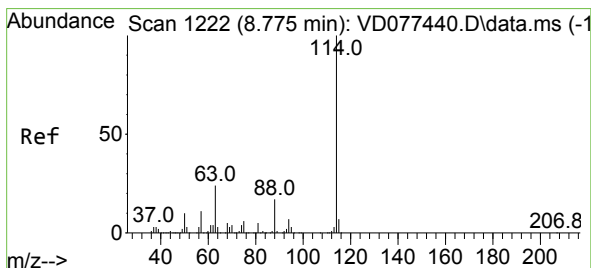
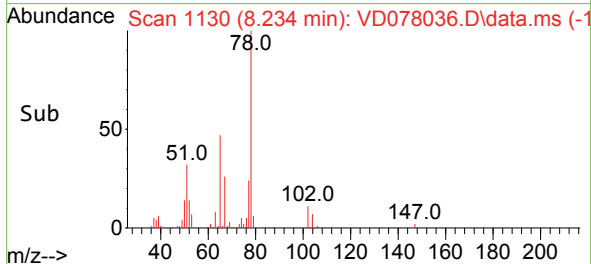
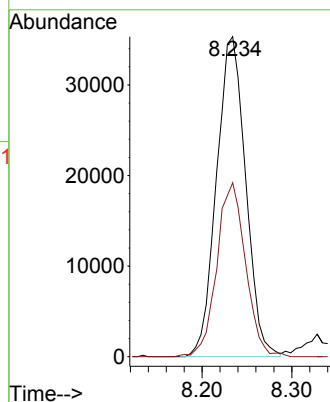
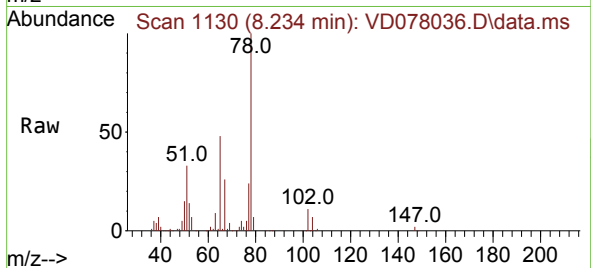
ClientSampleId :

Tgt Ion: 65 Resp: 79672

Ion Ratio Lower Upper

65 100

67 53.6 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. 0.006 min

Lab File: VD078036.D

Acq: 21 Dec 2023 19:49

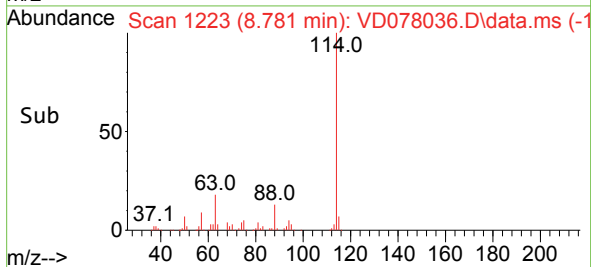
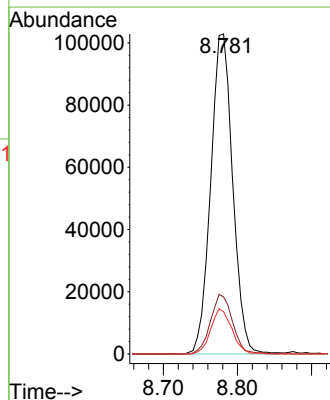
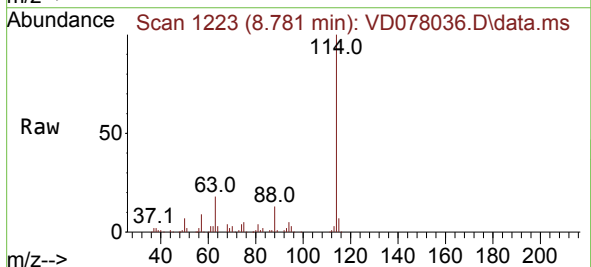
Tgt Ion: 114 Resp: 212088

Ion Ratio Lower Upper

114 100

63 17.8 0.0 33.4

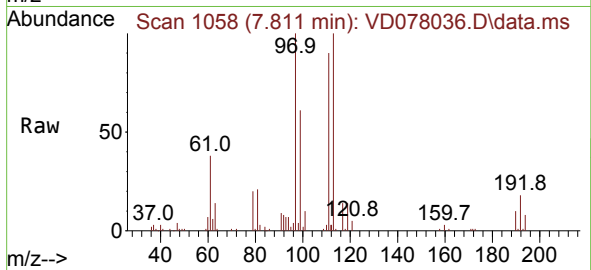
88 13.2 0.0 26.2



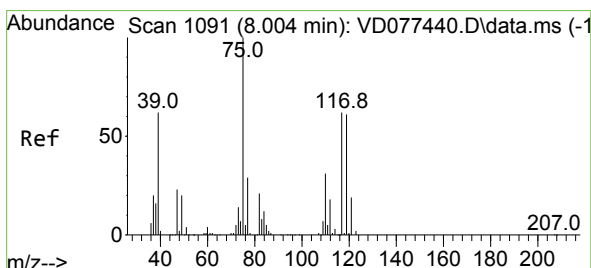
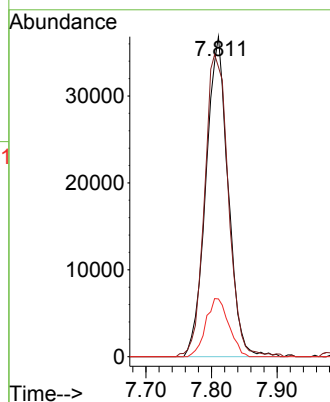
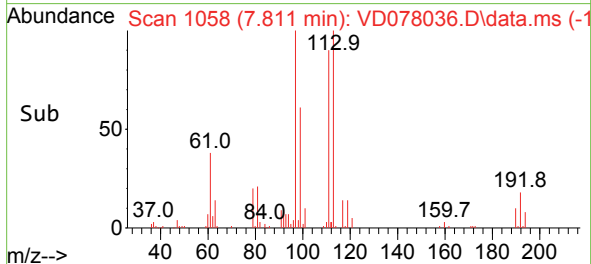


#35  
Dibromofluoromethane  
Concen: 58.416 ug/l  
RT: 7.811 min Scan# 1058  
Delta R.T. 0.007 min  
Lab File: VD078036.D  
Acq: 21 Dec 2023 19:49

Instrument :  
MSVOA\_D  
ClientSampleId :

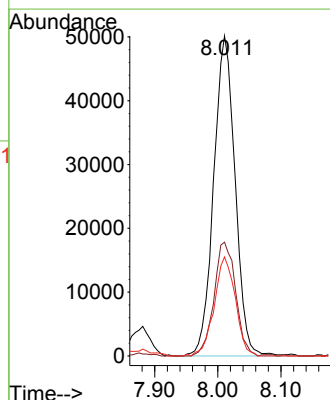
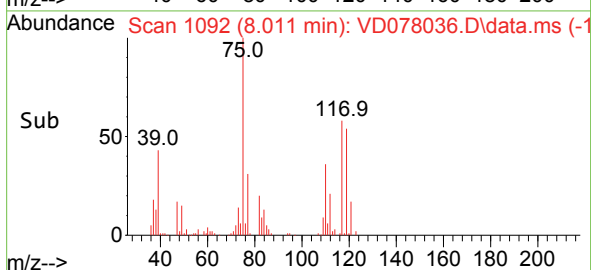
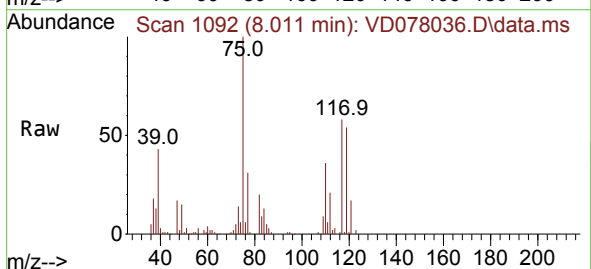


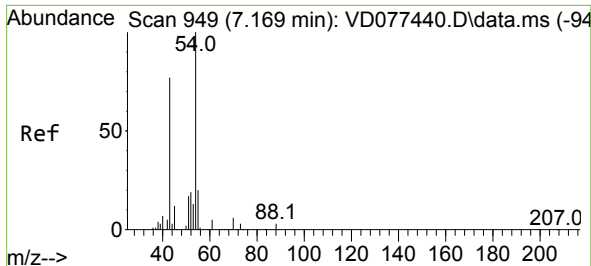
Tgt Ion:113 Resp: 86783  
Ion Ratio Lower Upper  
113 100  
111 101.0 84.7 127.1  
192 18.8 16.8 25.2



#36  
1,1-Dichloropropene  
Concen: 49.680 ug/l  
RT: 8.011 min Scan# 1092  
Delta R.T. 0.007 min  
Lab File: VD078036.D  
Acq: 21 Dec 2023 19:49

Tgt Ion: 75 Resp: 118054  
Ion Ratio Lower Upper  
75 100  
110 35.8 19.9 59.6  
77 30.5 24.7 37.1





#37

Ethyl Acetate

Concen: 44.941 ug/l

RT: 7.164 min Scan# 949

Delta R.T. -0.005 min

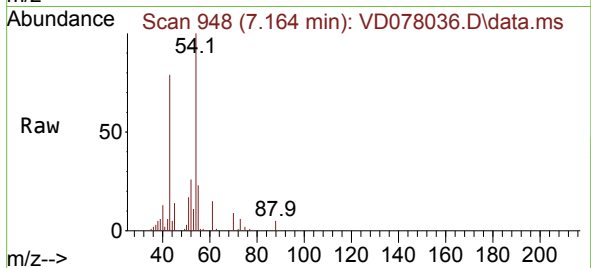
Lab File: VD078036.D

Acq: 21 Dec 2023 19:49

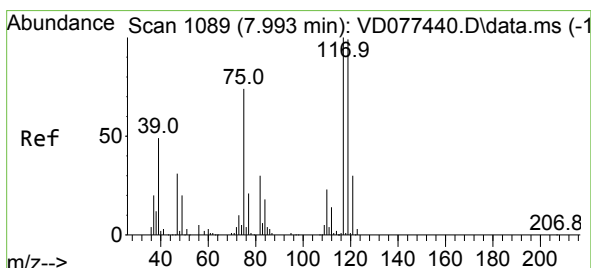
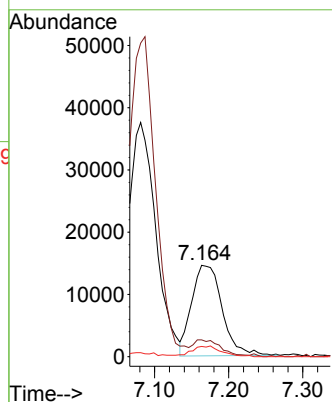
Instrument :

MSVOA\_D

ClientSampleId :



|             |                 |
|-------------|-----------------|
| Tgt Ion: 43 | Resp: 41641     |
| Ion Ratio   | Lower Upper     |
| 43          | 100             |
| 61          | 14.6 14.9 22.3# |
| 70          | 11.6 10.0 15.0  |



#38

Carbon Tetrachloride

Concen: 51.366 ug/l

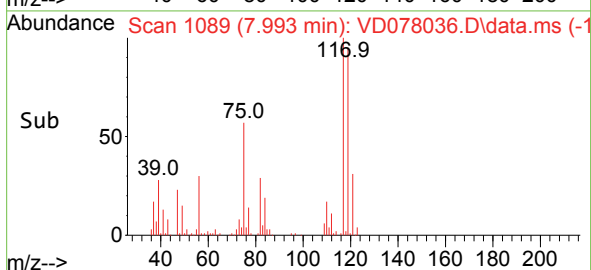
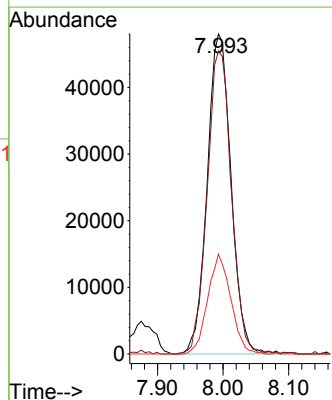
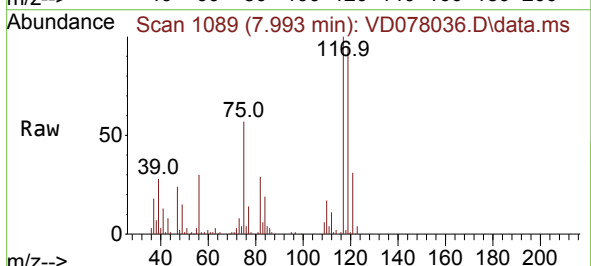
RT: 7.993 min Scan# 1089

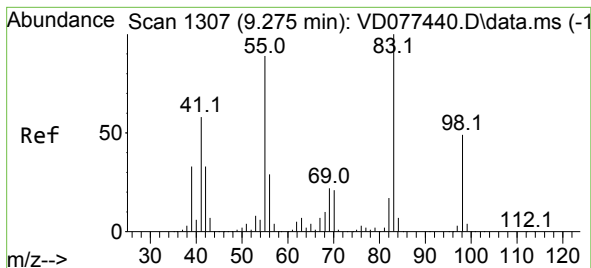
Delta R.T. -0.000 min

Lab File: VD078036.D

Acq: 21 Dec 2023 19:49

|              |                 |
|--------------|-----------------|
| Tgt Ion: 117 | Resp: 121688    |
| Ion Ratio    | Lower Upper     |
| 117          | 100             |
| 119          | 94.3 78.0 117.0 |
| 121          | 31.2 24.2 36.2  |





#39

Methylcyclohexane

Concen: 46.034 ug/l

RT: 9.275 min Scan# 11307

Delta R.T. 0.000 min

Lab File: VD078036.D

Acq: 21 Dec 2023 19:49

Instrument :

MSVOA\_D

ClientSampleId :

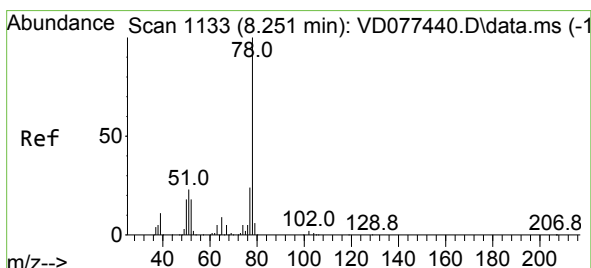
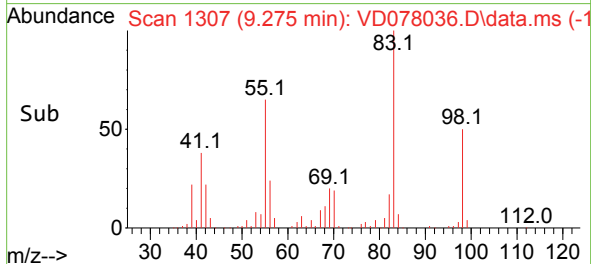
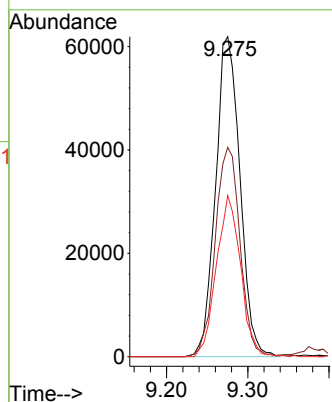
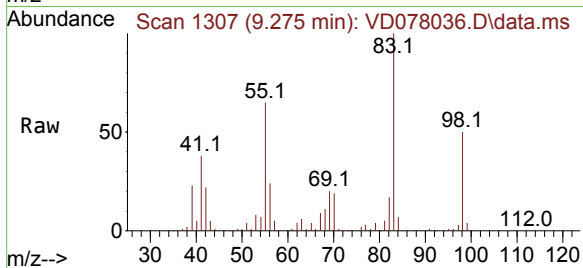
Tgt Ion: 83 Resp: 129683

Ion Ratio Lower Upper

83 100

55 65.4 49.4 74.0

98 50.3 38.4 57.6



#40

Benzene

Concen: 54.316 ug/l

RT: 8.252 min Scan# 1133

Delta R.T. 0.001 min

Lab File: VD078036.D

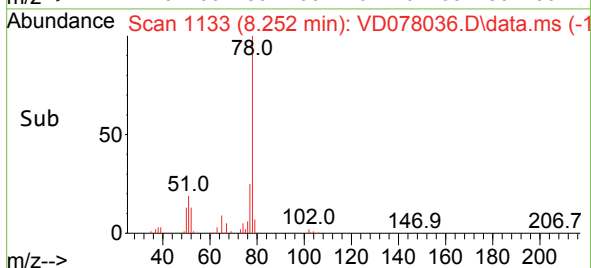
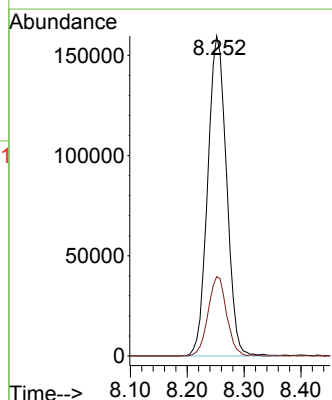
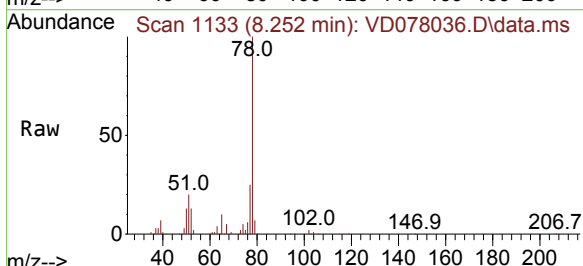
Acq: 21 Dec 2023 19:49

Tgt Ion: 78 Resp: 366335

Ion Ratio Lower Upper

78 100

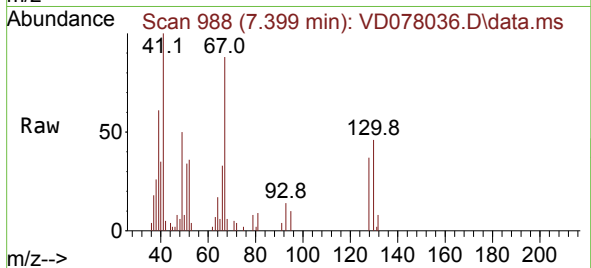
77 24.8 19.4 29.0



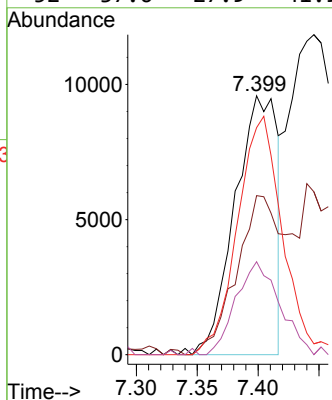
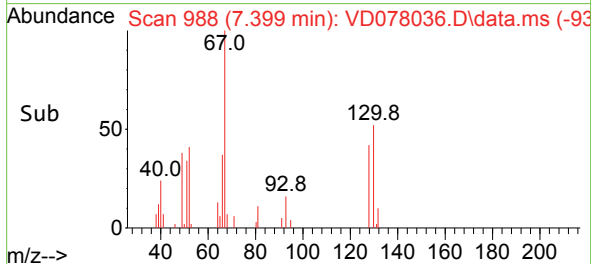


#41  
Methacrylonitrile  
Concen: 49.403 ug/l  
RT: 7.399 min Scan# 91  
Delta R.T. -0.005 min  
Lab File: VD078036.D  
Acq: 21 Dec 2023 19:49

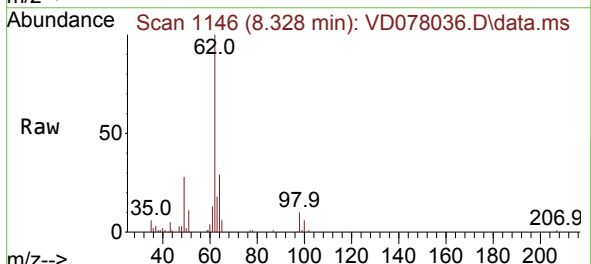
Instrument :  
MSVOA\_D  
ClientSampleId :



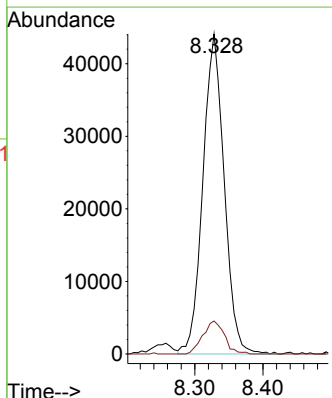
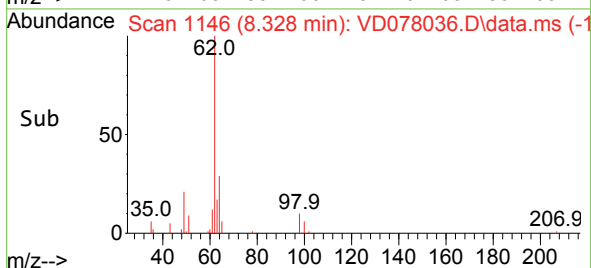
Tgt Ion: 41 Resp: 23266  
Ion Ratio Lower Upper  
41 100  
39 64.4 34.0 51.0#  
67 97.8 77.0 115.4  
52 37.6 27.9 41.9

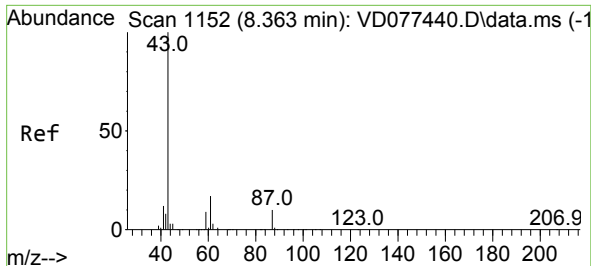


#42  
1,2-Dichloroethane  
Concen: 54.893 ug/l  
RT: 8.328 min Scan# 1146  
Delta R.T. 0.000 min  
Lab File: VD078036.D  
Acq: 21 Dec 2023 19:49



Tgt Ion: 62 Resp: 95967  
Ion Ratio Lower Upper  
62 100  
98 10.5 0.0 25.4

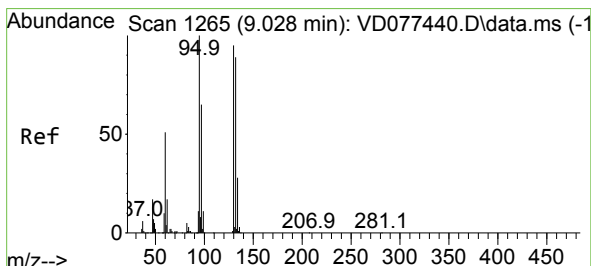
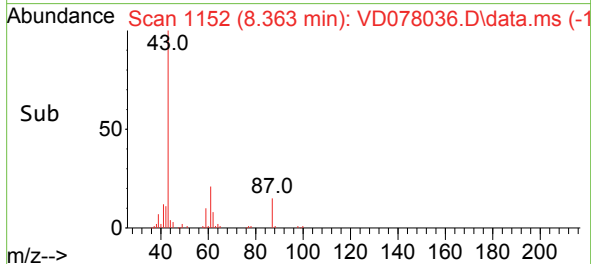
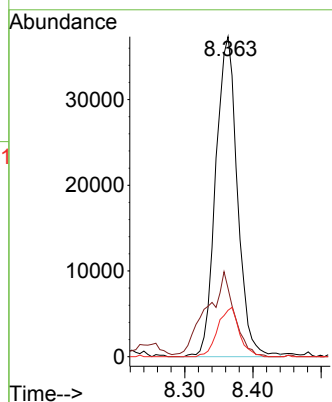
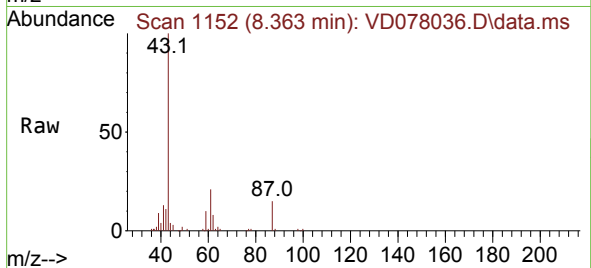




#43  
Isopropyl Acetate  
Concen: 50.160 ug/l  
RT: 8.363 min Scan# 1152  
Delta R.T. 0.000 min  
Lab File: VD078036.D  
Acq: 21 Dec 2023 19:49

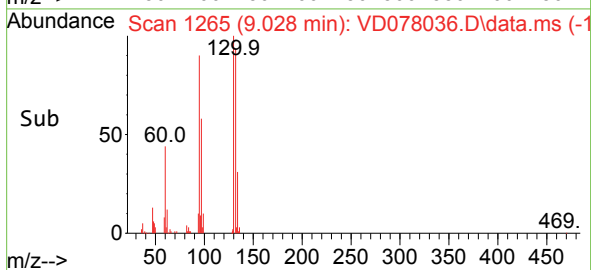
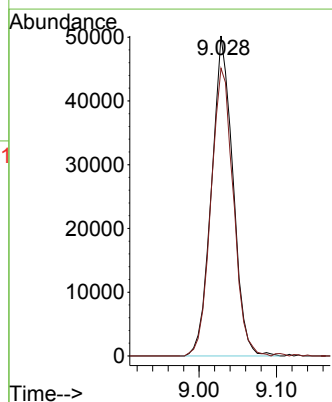
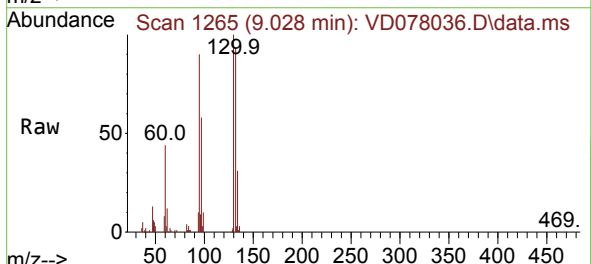
Instrument :  
MSVOA\_D  
ClientSampleId :

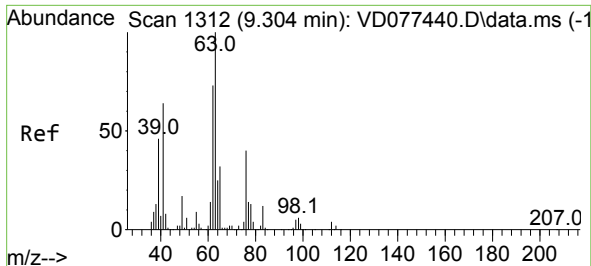
Tgt Ion: 43 Resp: 82619  
Ion Ratio Lower Upper  
43 100  
61 34.2 31.4 47.0  
87 15.3 14.9 22.3



#44  
Trichloroethene  
Concen: 54.915 ug/l  
RT: 9.028 min Scan# 1265  
Delta R.T. 0.000 min  
Lab File: VD078036.D  
Acq: 21 Dec 2023 19:49

Tgt Ion:130 Resp: 96518  
Ion Ratio Lower Upper  
130 100  
95 89.9 0.0 179.2





#45

1,2-Dichloropropane

Concen: 54.925 ug/l

RT: 9.305 min Scan# 11

Delta R.T. 0.001 min

Lab File: VD078036.D

Acq: 21 Dec 2023 19:49

Instrument :

MSVOA\_D

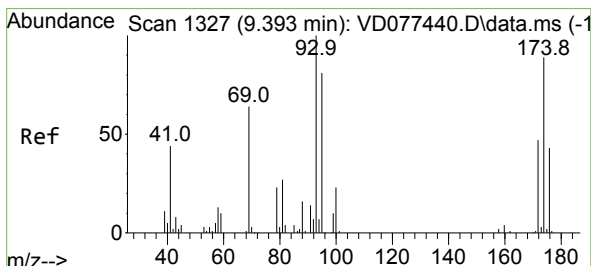
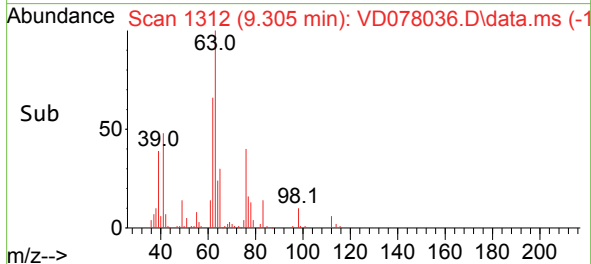
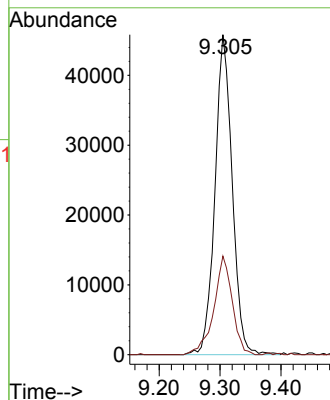
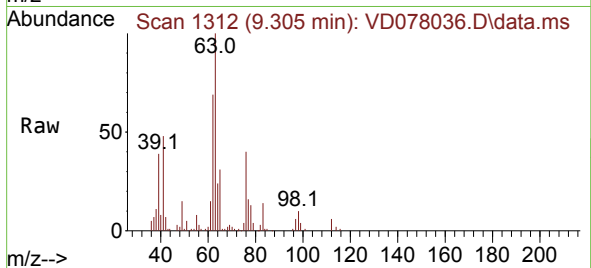
ClientSampleId :

Tgt Ion: 63 Resp: 90052

Ion Ratio Lower Upper

63 100

65 30.8 24.5 36.7



#46

Dibromomethane

Concen: 57.018 ug/l

RT: 9.393 min Scan# 1327

Delta R.T. -0.000 min

Lab File: VD078036.D

Acq: 21 Dec 2023 19:49

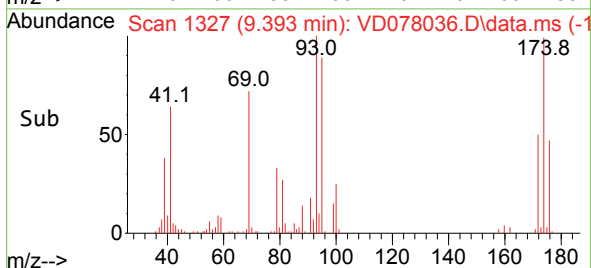
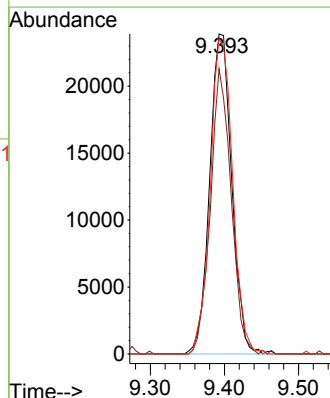
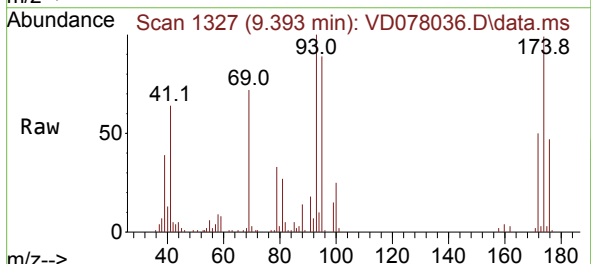
Tgt Ion: 93 Resp: 49464

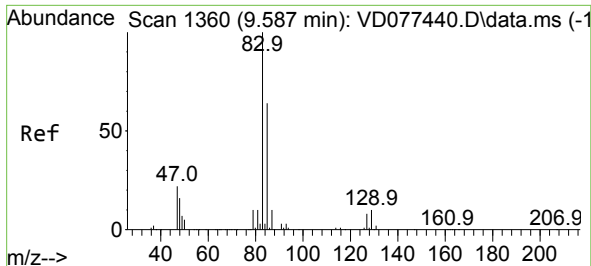
Ion Ratio Lower Upper

93 100

95 83.6 67.7 101.5

174 99.6 85.4 128.2

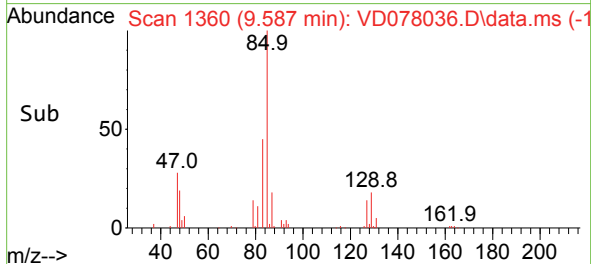
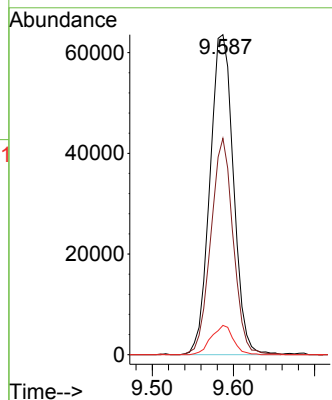
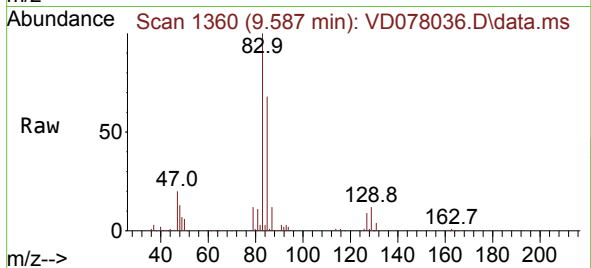




#47  
Bromodichloromethane  
Concen: 58.160 ug/l  
RT: 9.587 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD078036.D  
Acq: 21 Dec 2023 19:49

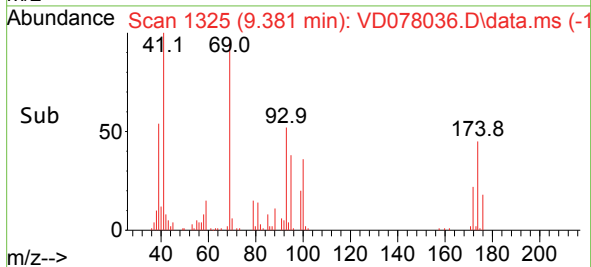
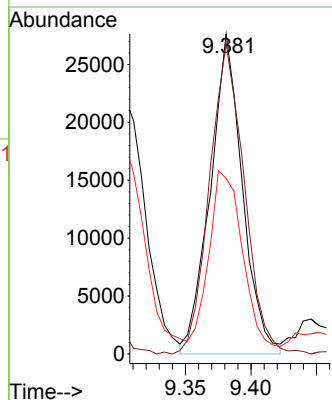
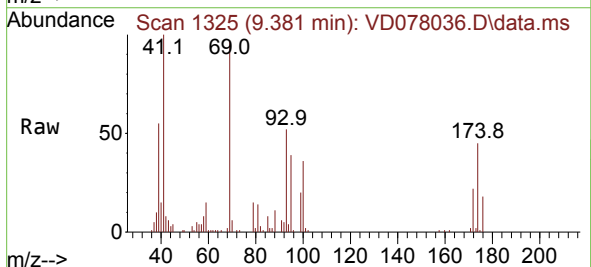
Instrument :  
MSVOA\_D  
ClientSampleId :

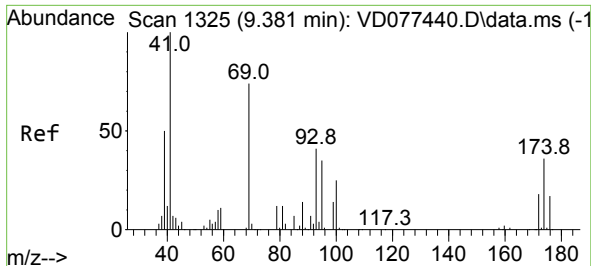
Tgt Ion: 83 Resp: 127884  
Ion Ratio Lower Upper  
83 100  
85 67.6 50.2 75.4  
127 9.2 6.3 9.5



#48  
Methyl methacrylate  
Concen: 50.323 ug/l  
RT: 9.381 min Scan# 1325  
Delta R.T. 0.000 min  
Lab File: VD078036.D  
Acq: 21 Dec 2023 19:49

Tgt Ion: 41 Resp: 47117  
Ion Ratio Lower Upper  
41 100  
69 104.8 102.2 153.2  
39 61.4 41.4 62.2





#49

1,4-Dioxane

Concen: 962.954 ug/l

RT: 9.387 min Scan# 11

Delta R.T. 0.006 min

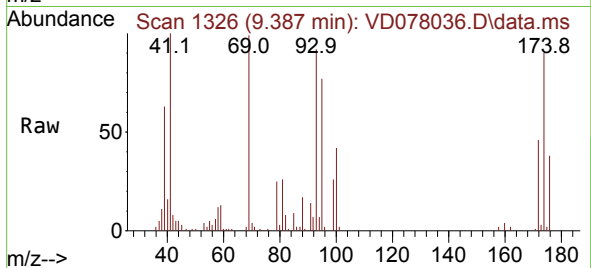
Lab File: VD078036.D

Acq: 21 Dec 2023 19:49

Instrument :

MSVOA\_D

ClientSampleId :



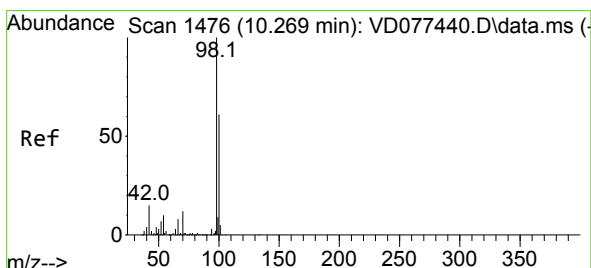
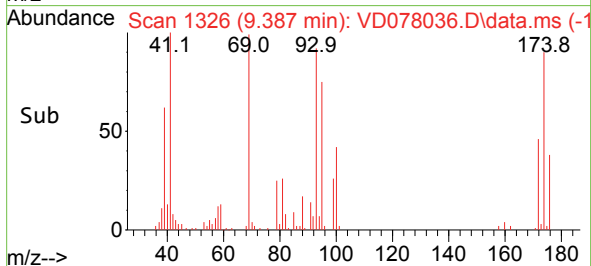
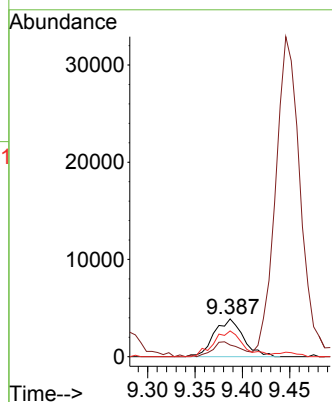
Tgt Ion: 88 Resp: 8295

Ion Ratio Lower Upper

88 100

43 36.8 19.0 28.6#

58 69.3 43.5 65.3#



#50

Toluene-d8

Concen: 55.833 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD078036.D

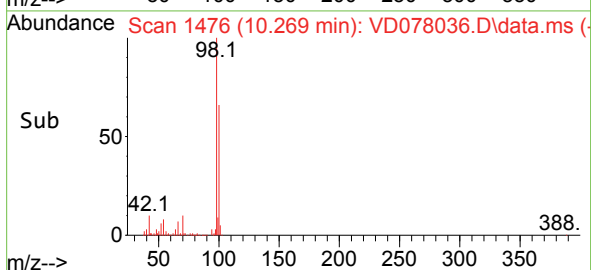
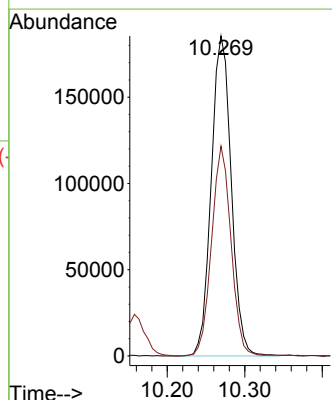
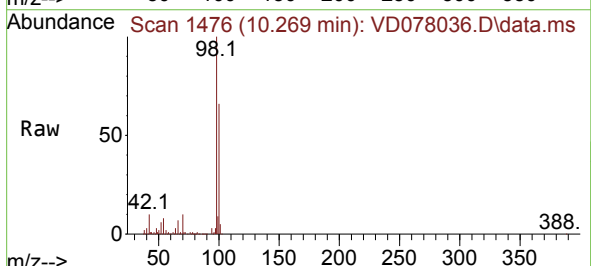
Acq: 21 Dec 2023 19:49

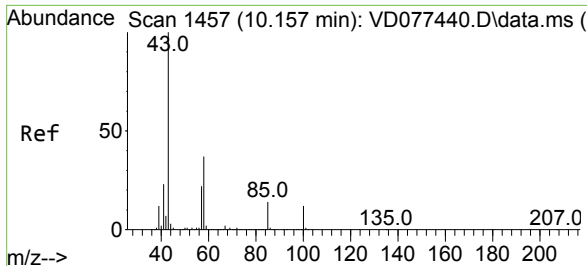
Tgt Ion: 98 Resp: 332206

Ion Ratio Lower Upper

98 100

100 64.0 50.3 75.5

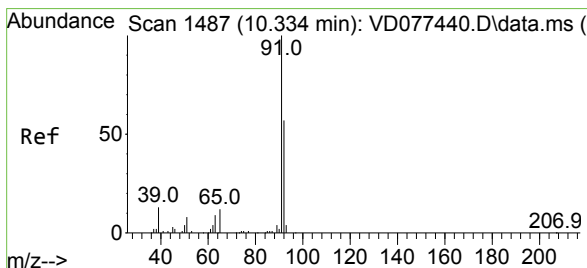
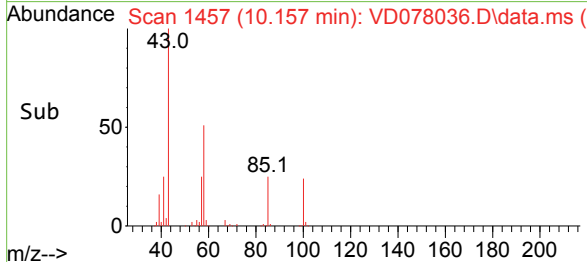
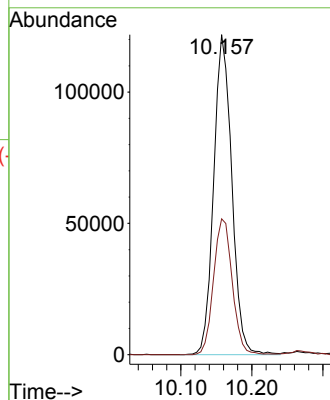
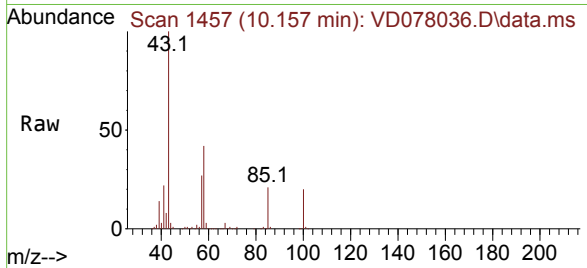




#51  
4-Methyl-2-Pentanone  
Concen: 256.221 ug/l  
RT: 10.157 min Scan# 1457  
Delta R.T. 0.000 min  
Lab File: VD078036.D  
Acq: 21 Dec 2023 19:49

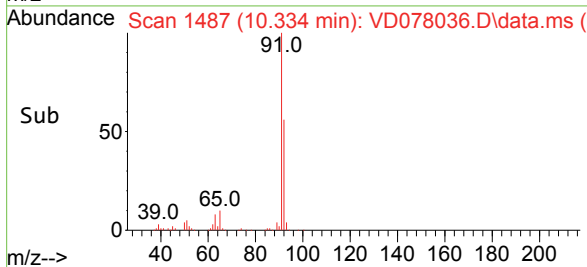
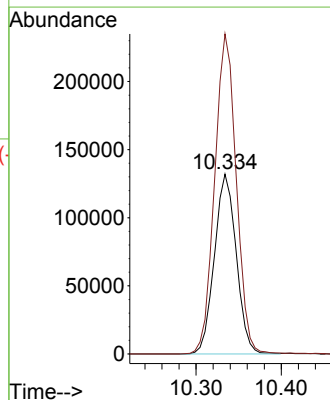
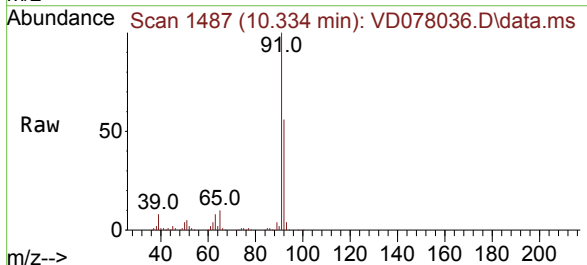
Instrument :  
MSVOA\_D  
ClientSampleId :

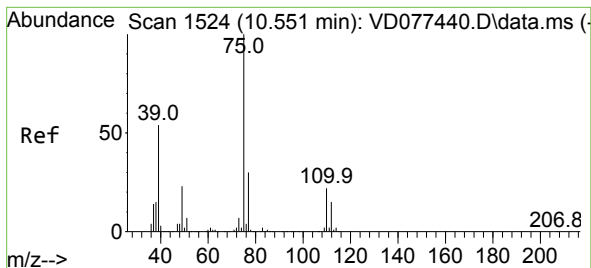
Tgt Ion: 43 Resp: 215384  
Ion Ratio Lower Upper  
43 100  
58 43.9 38.9 58.3



#52  
Toluene  
Concen: 56.154 ug/l  
RT: 10.334 min Scan# 1487  
Delta R.T. -0.000 min  
Lab File: VD078036.D  
Acq: 21 Dec 2023 19:49

Tgt Ion: 92 Resp: 234927  
Ion Ratio Lower Upper  
92 100  
91 176.5 143.0 214.4

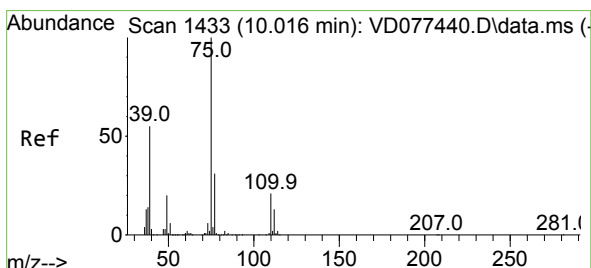
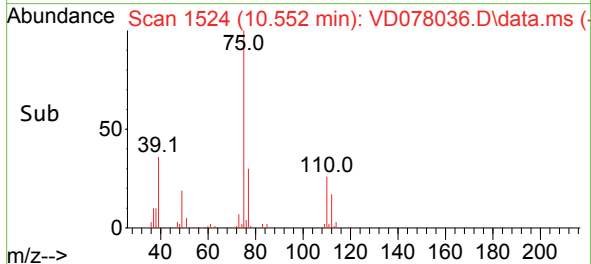
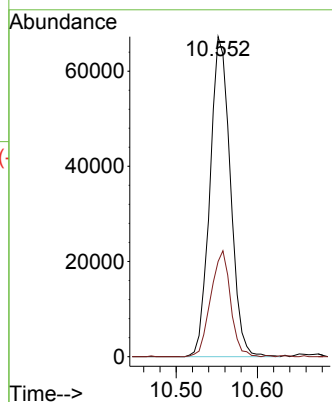
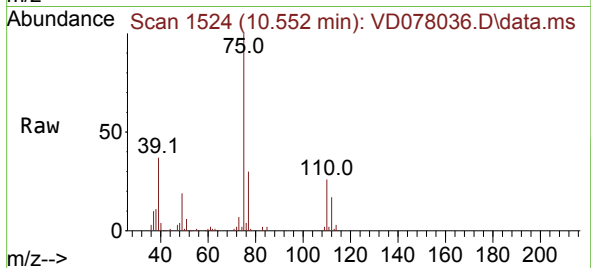




#53  
t-1,3-Dichloropropene  
Concen: 55.617 ug/l  
RT: 10.552 min Scan# 11  
Delta R.T. 0.001 min  
Lab File: VD078036.D  
Acq: 21 Dec 2023 19:49

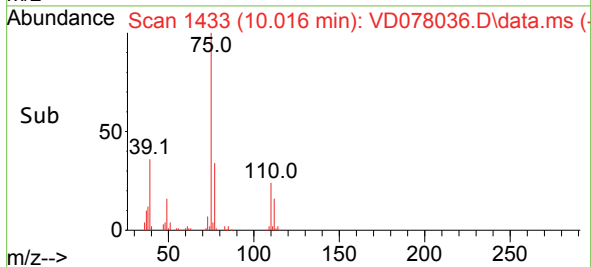
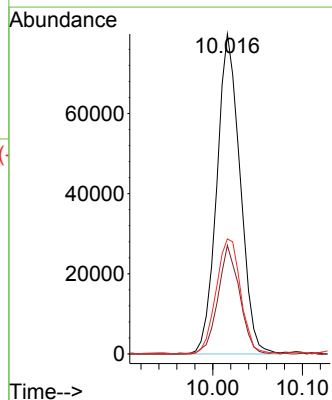
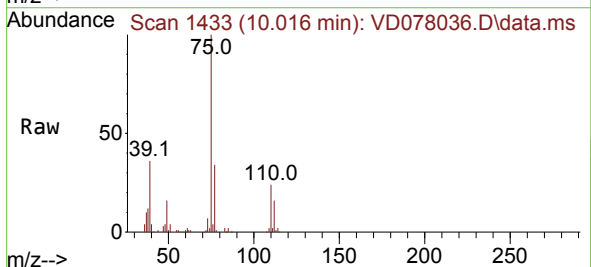
Instrument :  
MSVOA\_D  
ClientSampleId :

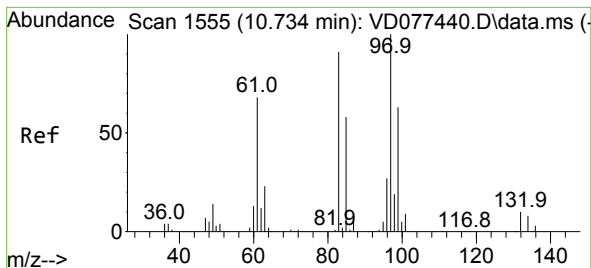
Tgt Ion: 75 Resp: 117438  
Ion Ratio Lower Upper  
75 100  
77 29.7 25.3 37.9



#54  
cis-1,3-Dichloropropene  
Concen: 56.285 ug/l  
RT: 10.016 min Scan# 1433  
Delta R.T. 0.000 min  
Lab File: VD078036.D  
Acq: 21 Dec 2023 19:49

Tgt Ion: 75 Resp: 143691  
Ion Ratio Lower Upper  
75 100  
77 34.0 25.5 38.3  
39 35.6 22.1 33.1#





#55

1,1,2-Trichloroethane

Concen: 59.524 ug/l

RT: 10.734 min Scan# 1555

Delta R.T. -0.000 min

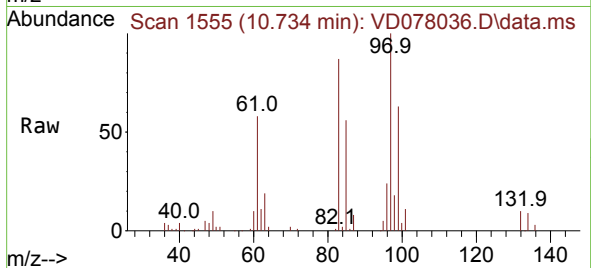
Lab File: VD078036.D

Acq: 21 Dec 2023 19:49

Instrument :

MSVOA\_D

ClientSampleId :



Tgt Ion: 97 Resp: 70632

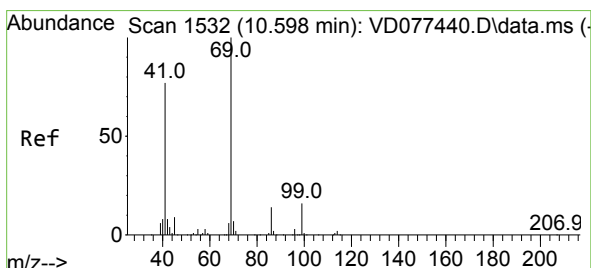
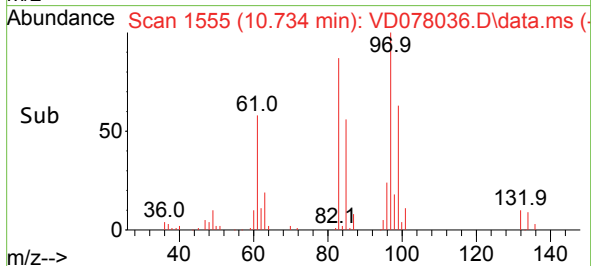
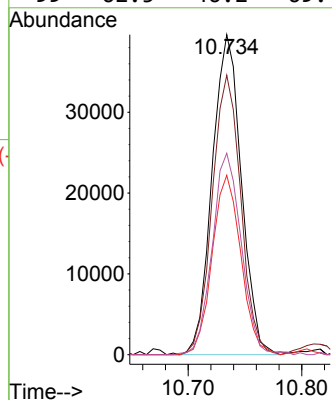
Ion Ratio Lower Upper

97 100

83 87.3 65.8 98.6

85 56.0 45.7 68.5

99 62.5 46.2 69.4



#56

Ethyl methacrylate

Concen: 54.909 ug/l

RT: 10.599 min Scan# 1532

Delta R.T. 0.001 min

Lab File: VD078036.D

Acq: 21 Dec 2023 19:49

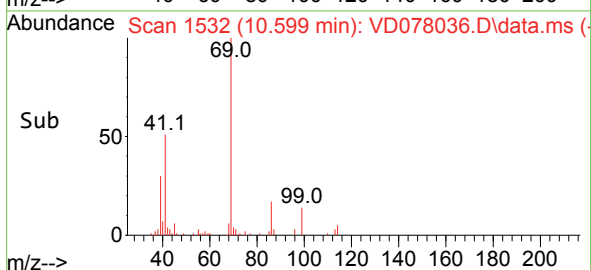
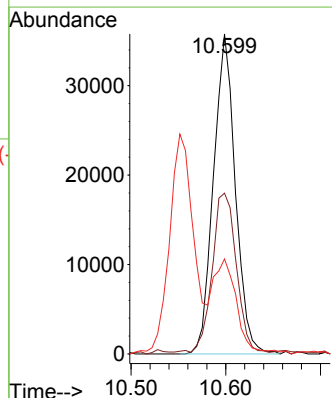
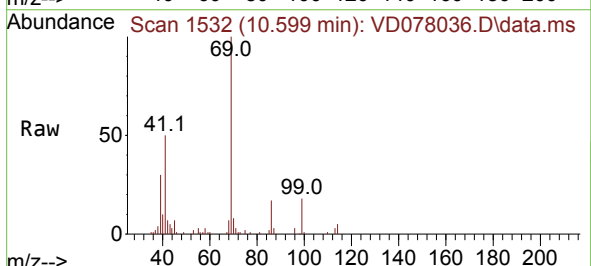
Tgt Ion: 69 Resp: 57437

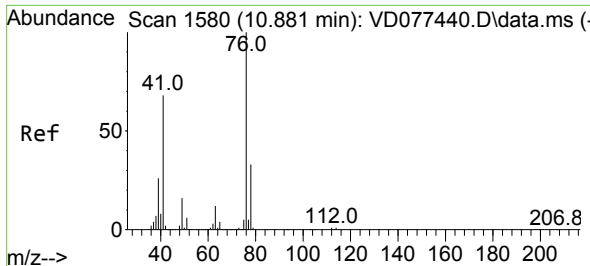
Ion Ratio Lower Upper

69 100

41 54.6 39.1 58.7

39 31.5 20.0 30.0#





#57

1,3-Dichloropropane

Concen: 57.971 ug/l

RT: 10.881 min Scan# 118575

Delta R.T. -0.000 min

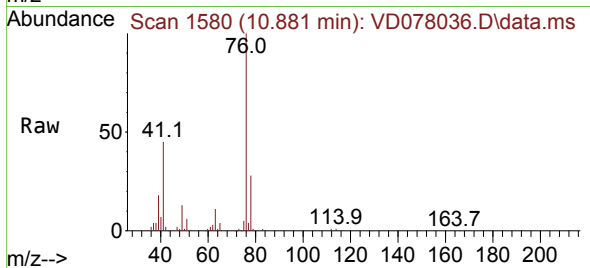
Lab File: VD078036.D

Acq: 21 Dec 2023 19:49

Instrument :

MSVOA\_D

ClientSampleId :

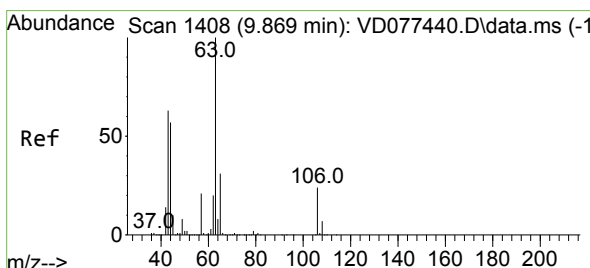
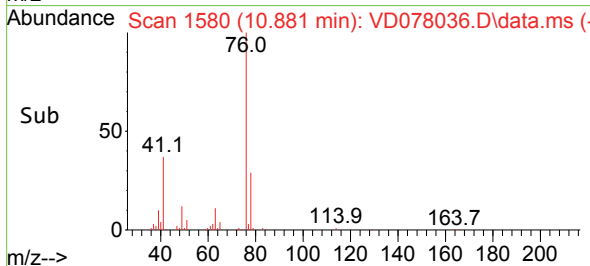
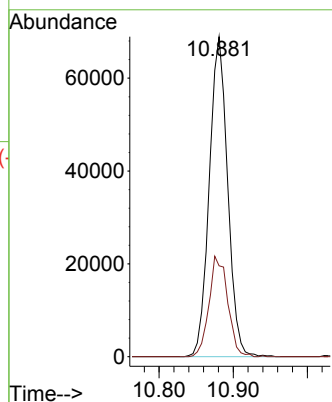


Tgt Ion: 76 Resp: 118575

Ion Ratio Lower Upper

76 100

78 32.0 26.4 39.6



#58

2-Chloroethyl Vinyl ether

Concen: 224.135 ug/l

RT: 9.869 min Scan# 1408

Delta R.T. 0.000 min

Lab File: VD078036.D

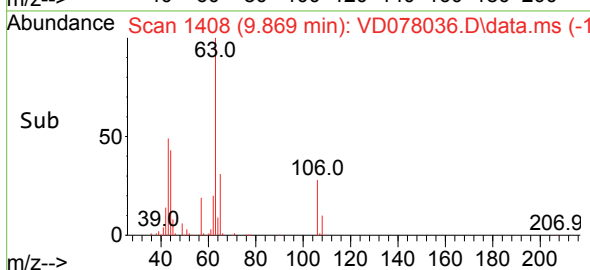
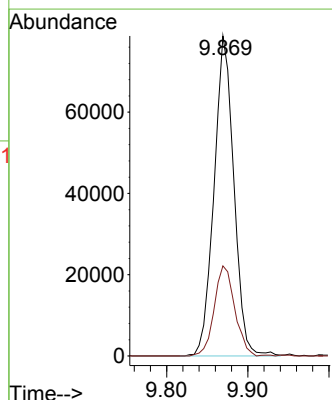
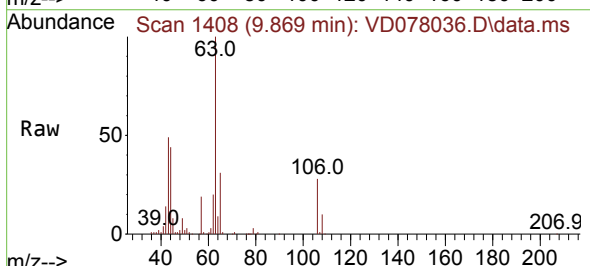
Acq: 21 Dec 2023 19:49

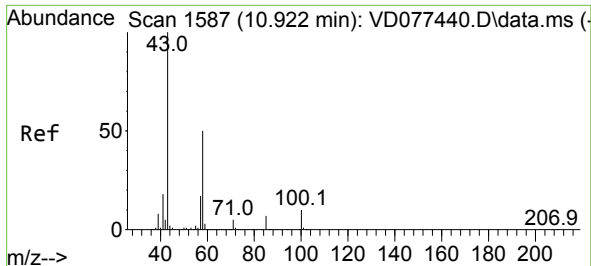
Tgt Ion: 63 Resp: 133704

Ion Ratio Lower Upper

63 100

106 29.1 25.3 37.9

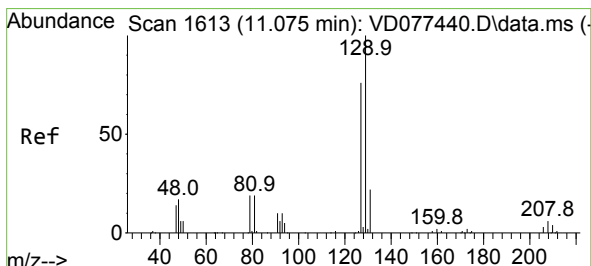
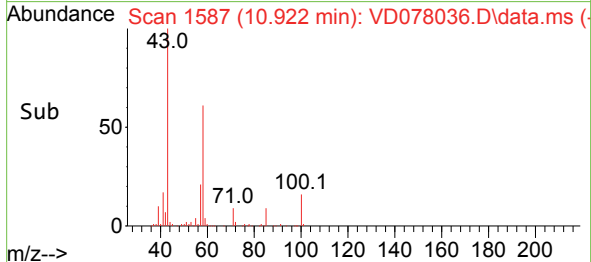
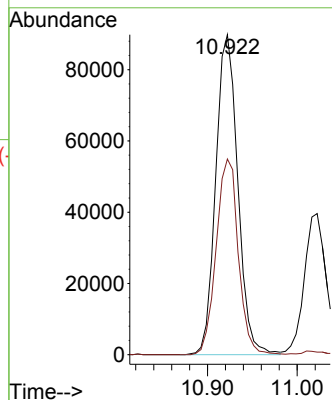
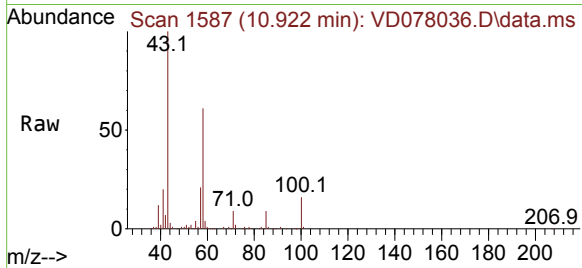




#59  
2-Hexanone  
Concen: 219.588 ug/l  
RT: 10.922 min Scan# 1587  
Delta R.T. 0.000 min  
Lab File: VD078036.D  
Acq: 21 Dec 2023 19:49

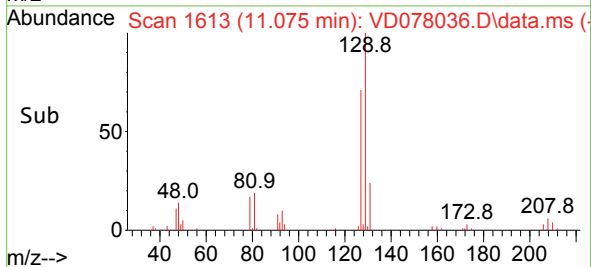
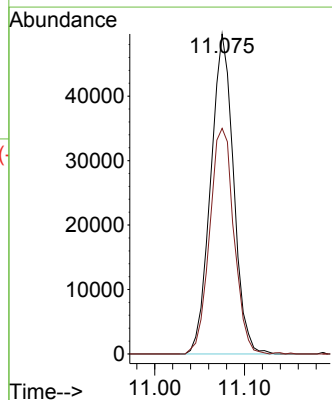
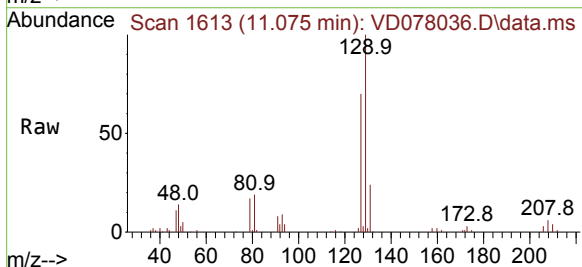
Instrument :  
MSVOA\_D  
ClientSampleId :

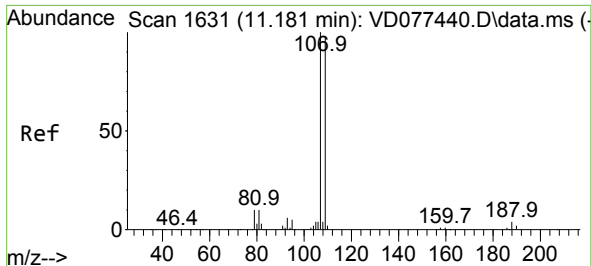
Tgt Ion: 43 Resp: 153144  
Ion Ratio Lower Upper  
43 100  
58 61.5 34.1 102.2



#60  
Dibromochloromethane  
Concen: 61.483 ug/l  
RT: 11.075 min Scan# 1613  
Delta R.T. 0.000 min  
Lab File: VD078036.D  
Acq: 21 Dec 2023 19:49

Tgt Ion:129 Resp: 87839  
Ion Ratio Lower Upper  
129 100  
127 74.6 37.1 111.5

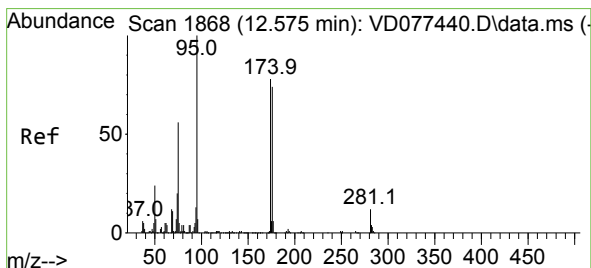
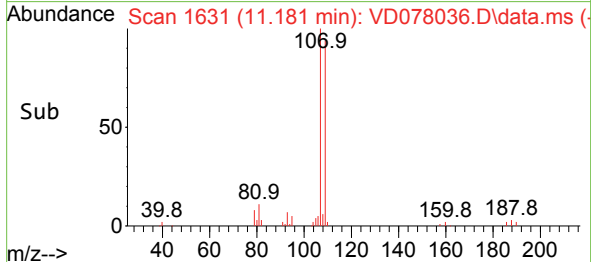
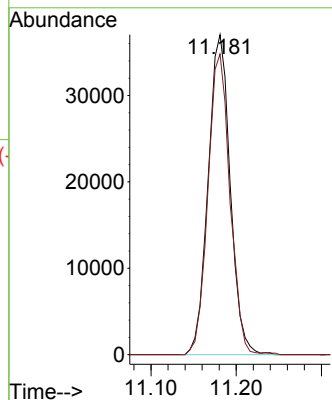
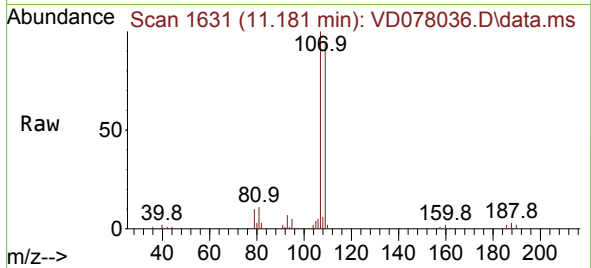




#61  
1,2-Dibromoethane  
Concen: 59.581 ug/l  
RT: 11.181 min Scan# 1631  
Delta R.T. -0.000 min  
Lab File: VD078036.D  
Acq: 21 Dec 2023 19:49

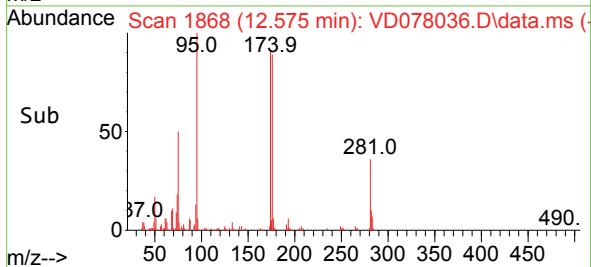
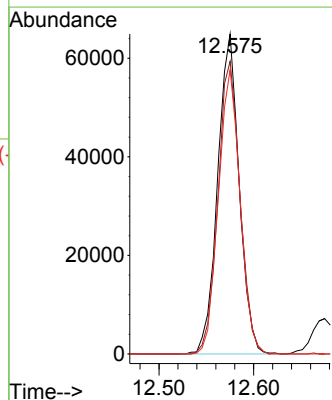
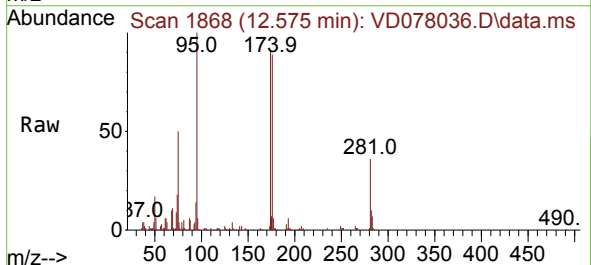
Instrument :  
MSVOA\_D  
ClientSampleId :

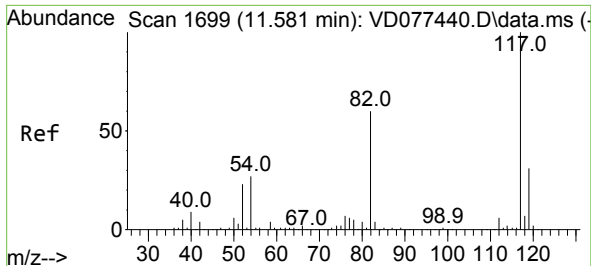
Tgt Ion:107 Resp: 66552  
Ion Ratio Lower Upper  
107 100  
109 93.8 75.6 113.4



#62  
4-Bromofluorobenzene  
Concen: 57.586 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. 0.000 min  
Lab File: VD078036.D  
Acq: 21 Dec 2023 19:49

Tgt Ion: 95 Resp: 102440  
Ion Ratio Lower Upper  
95 100  
174 93.4 0.0 201.8  
176 89.5 0.0 191.8

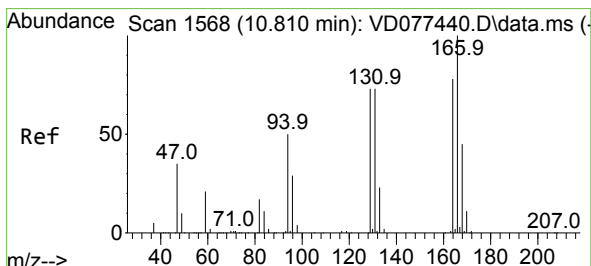
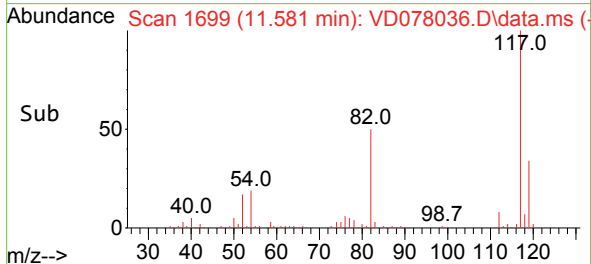
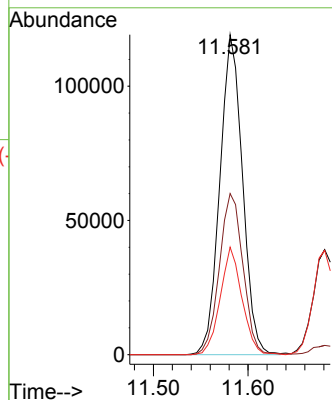
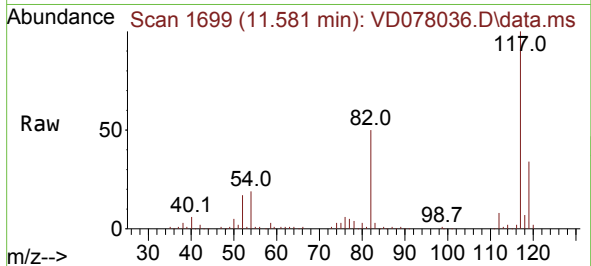




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VD078036.D  
Acq: 21 Dec 2023 19:49

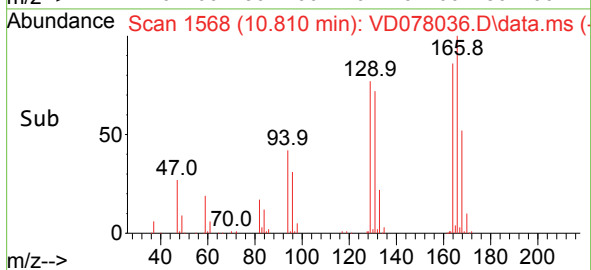
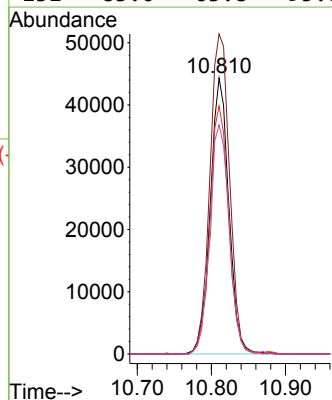
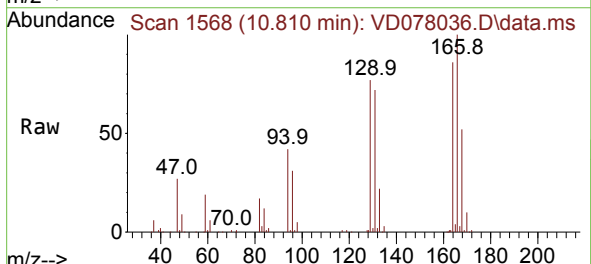
Instrument :  
MSVOA\_D  
ClientSampleId :

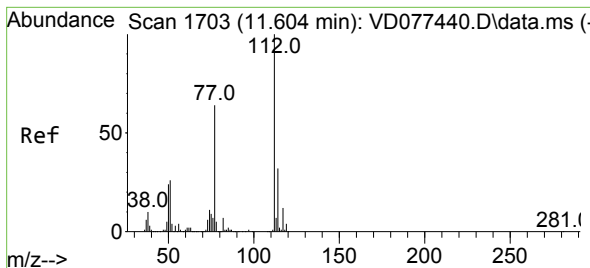
Tgt Ion:117 Resp: 198411  
Ion Ratio Lower Upper  
117 100  
82 50.4 38.3 57.5  
119 33.6 25.0 37.4



#64  
Tetrachloroethene  
Concen: 52.888 ug/l  
RT: 10.810 min Scan# 1568  
Delta R.T. 0.000 min  
Lab File: VD078036.D  
Acq: 21 Dec 2023 19:49

Tgt Ion:164 Resp: 77127  
Ion Ratio Lower Upper  
164 100  
166 116.0 99.2 148.8  
129 89.9 68.4 102.6  
131 83.0 63.8 95.8





#65

Chlorobenzene

Concen: 54.276 ug/l

RT: 11.610 min Scan# 1704

Delta R.T. 0.006 min

Lab File: VD078036.D

Acq: 21 Dec 2023 19:49

Instrument :

MSVOA\_D

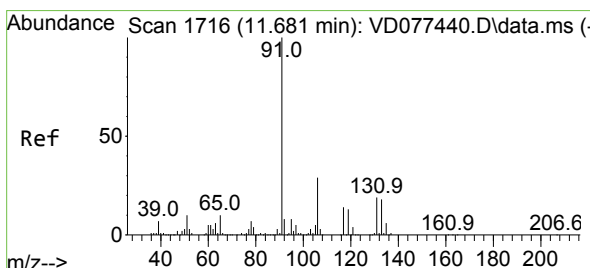
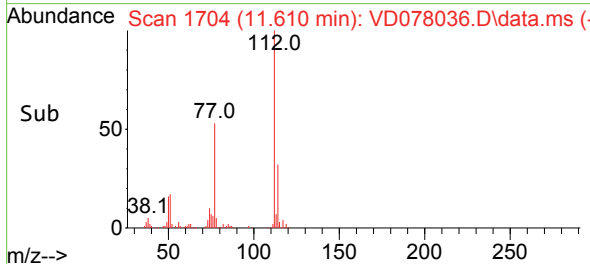
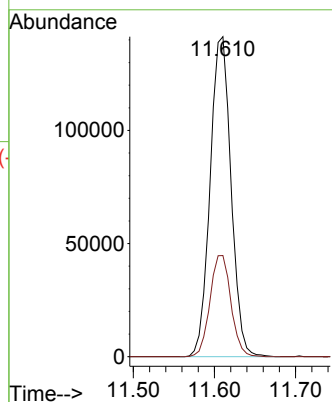
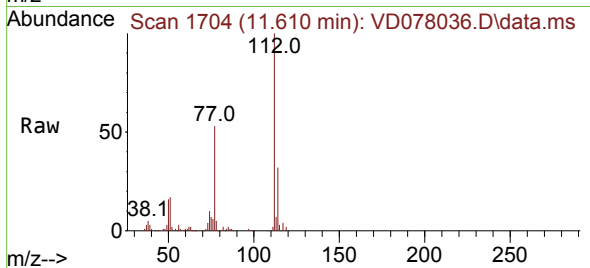
ClientSampleId :

Tgt Ion:112 Resp: 253116

Ion Ratio Lower Upper

112 100

114 31.6 25.1 37.7



#66

1,1,1,2-Tetrachloroethane

Concen: 58.103 ug/l

RT: 11.681 min Scan# 1716

Delta R.T. -0.000 min

Lab File: VD078036.D

Acq: 21 Dec 2023 19:49

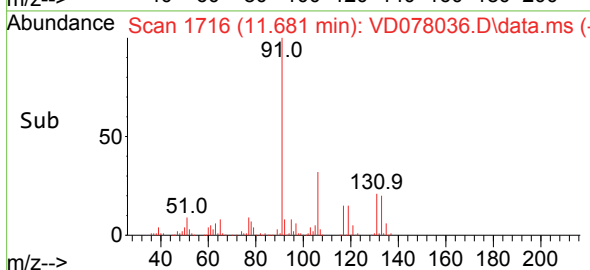
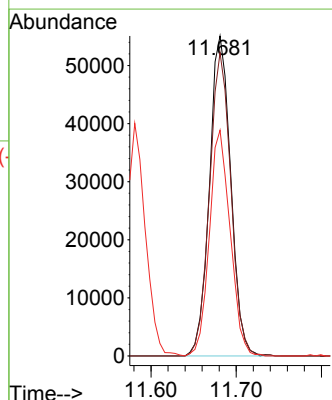
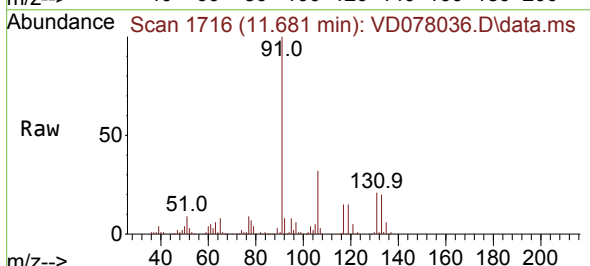
Tgt Ion:131 Resp: 95865

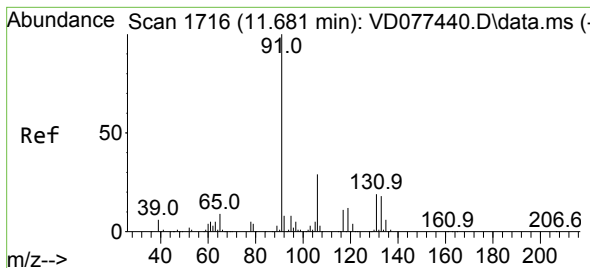
Ion Ratio Lower Upper

131 100

133 95.2 48.5 145.5

119 69.0 35.6 106.9





#67

Ethyl Benzene

Concen: 54.957 ug/l

RT: 11.687 min Scan# 1716

Delta R.T. 0.006 min

Lab File: VD078036.D

Acq: 21 Dec 2023 19:49

Instrument :

MSVOA\_D

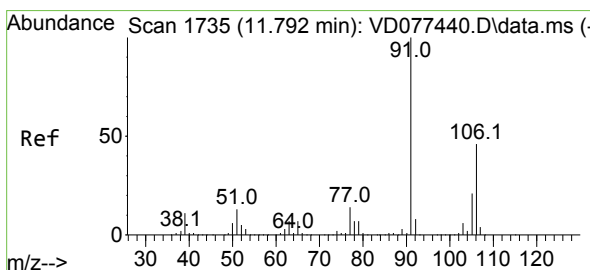
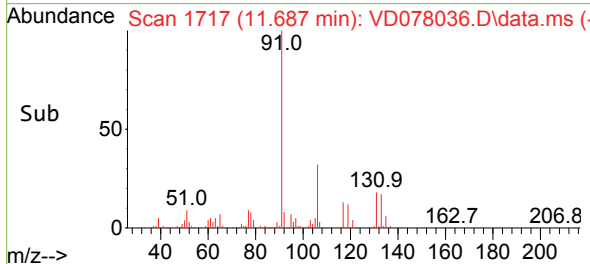
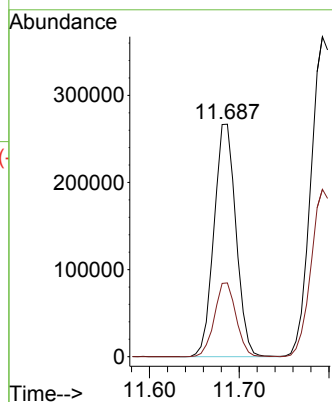
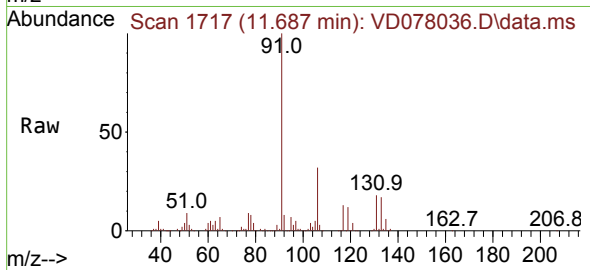
ClientSampleId :

Tgt Ion: 91 Resp: 453973

Ion Ratio Lower Upper

91 100

106 31.8 26.5 39.7



#68

m/p-Xylenes

Concen: 114.322 ug/l

RT: 11.793 min Scan# 1735

Delta R.T. 0.001 min

Lab File: VD078036.D

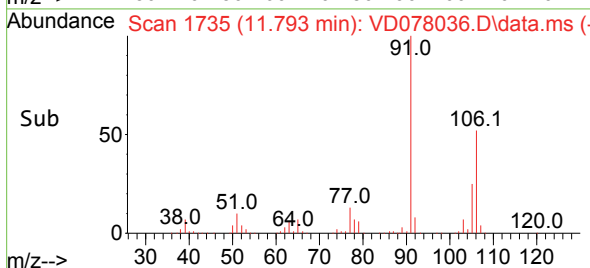
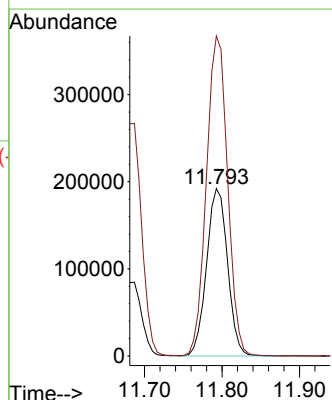
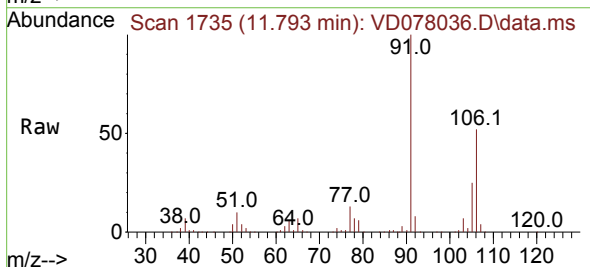
Acq: 21 Dec 2023 19:49

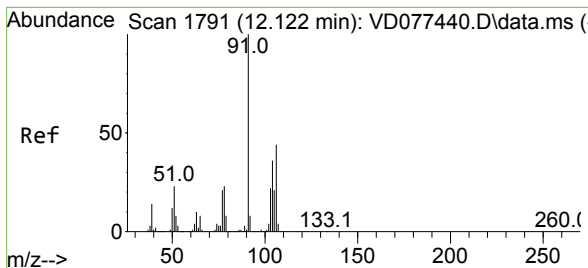
Tgt Ion:106 Resp: 361220

Ion Ratio Lower Upper

106 100

91 193.1 147.0 220.6

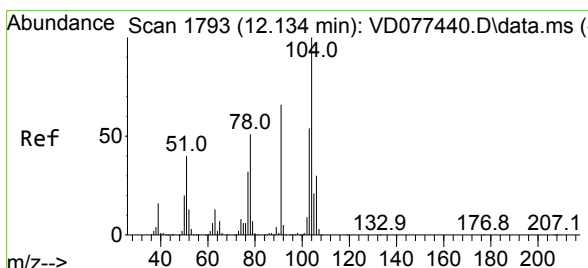
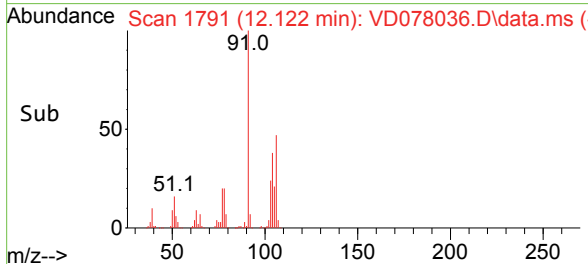
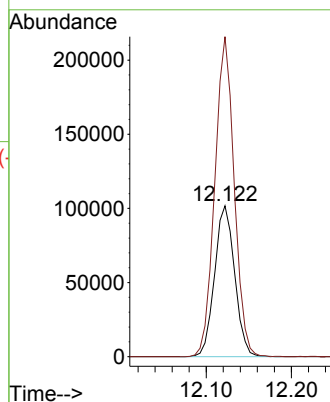
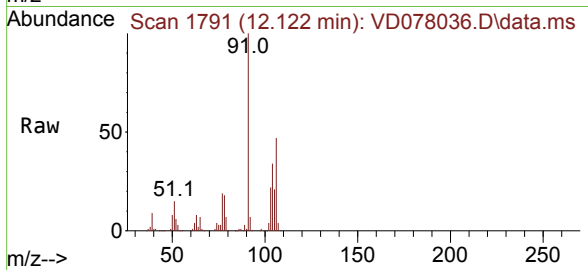




#69  
o-Xylene  
Concen: 57.134 ug/l  
RT: 12.122 min Scan# 1791  
Delta R.T. 0.000 min  
Lab File: VD078036.D  
Acq: 21 Dec 2023 19:49

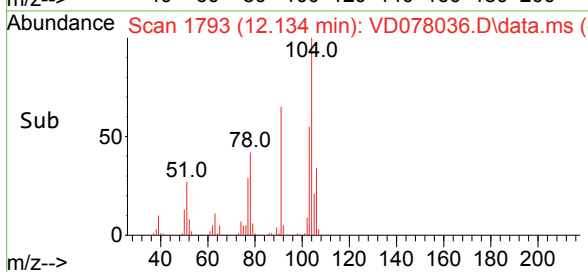
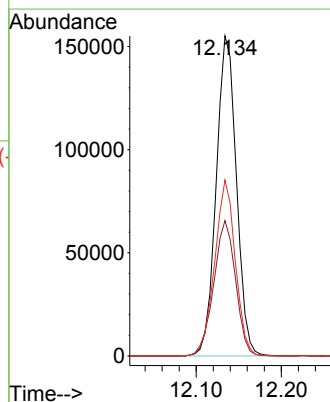
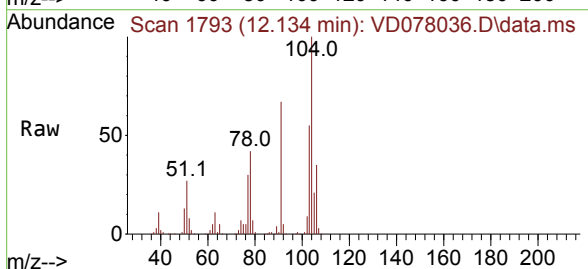
Instrument :  
MSVOA\_D  
ClientSampleId :

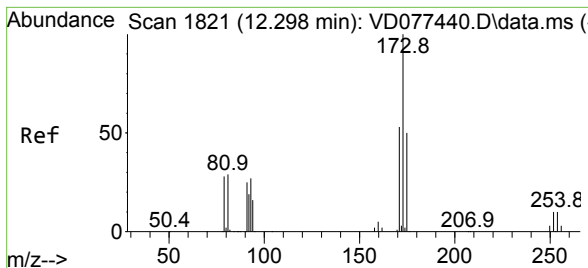
Tgt Ion:106 Resp: 166374  
Ion Ratio Lower Upper  
106 100  
91 205.4 97.9 293.6



#70  
Styrene  
Concen: 59.103 ug/l  
RT: 12.134 min Scan# 1793  
Delta R.T. -0.000 min  
Lab File: VD078036.D  
Acq: 21 Dec 2023 19:49

Tgt Ion:104 Resp: 255917  
Ion Ratio Lower Upper  
104 100  
78 45.6 33.2 49.8  
103 56.3 43.6 65.4





#71

Bromoform

Concen: 58.198 ug/l

RT: 12.299 min Scan# 1821

Delta R.T. 0.001 min

Lab File: VD078036.D

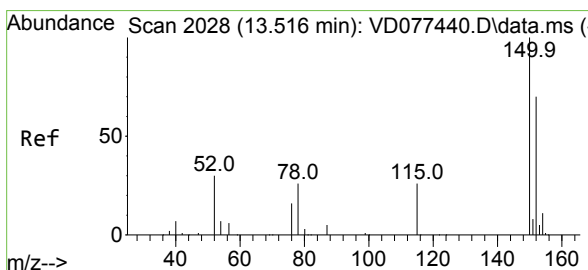
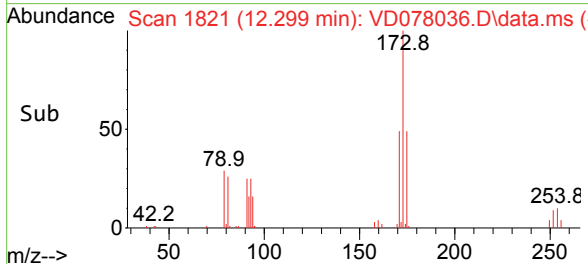
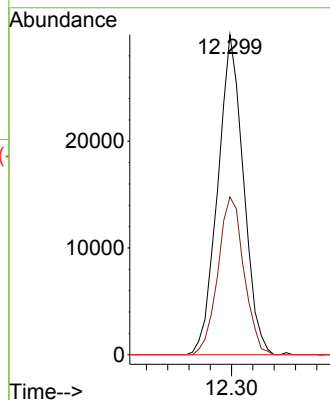
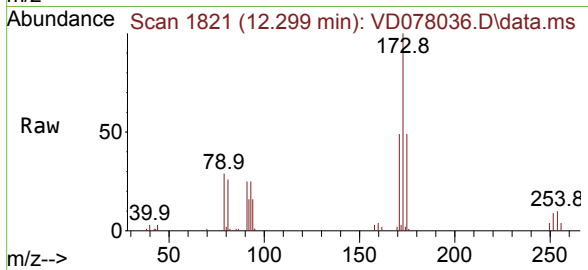
Acq: 21 Dec 2023 19:49

Instrument :

MSVOA\_D

ClientSampleId :

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:173 | Resp: | 50172     |
| Ion Ratio   | Lower | Upper     |
| 173         | 100   |           |
| 175         | 49.8  | 24.6 73.8 |
| 254         | 0.0   | 0.0 0.0   |



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

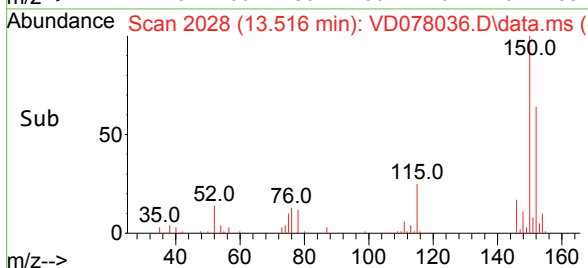
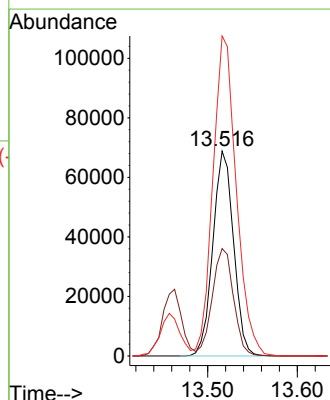
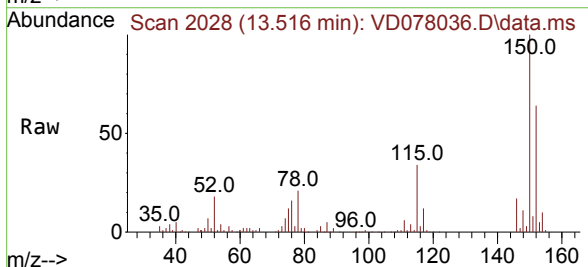
RT: 13.516 min Scan# 2028

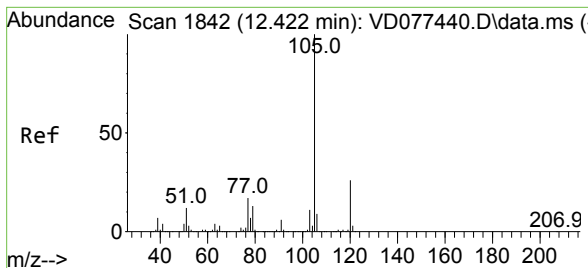
Delta R.T. 0.000 min

Lab File: VD078036.D

Acq: 21 Dec 2023 19:49

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:152 | Resp: | 110366    |
| Ion Ratio   | Lower | Upper     |
| 152         | 100   |           |
| 115         | 53.6  | 27.1 81.3 |
| 150         | 176.6 | 0.0 353.6 |





#73

Isopropylbenzene

Concen: 52.665 ug/l

RT: 12.422 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD078036.D

Acq: 21 Dec 2023 19:49

Instrument :

MSVOA\_D

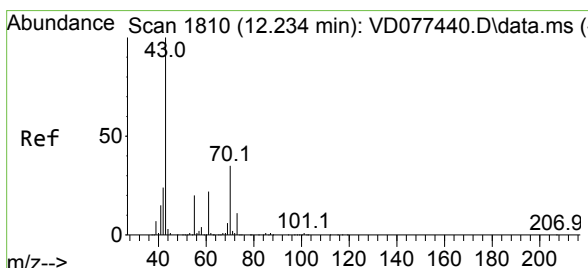
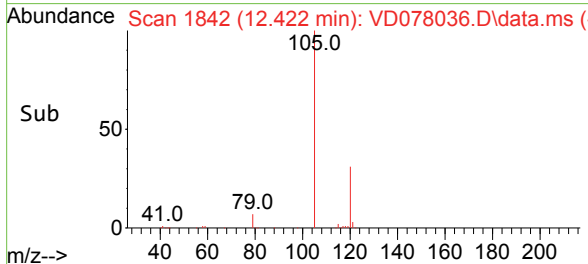
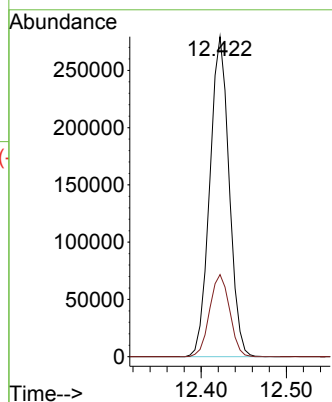
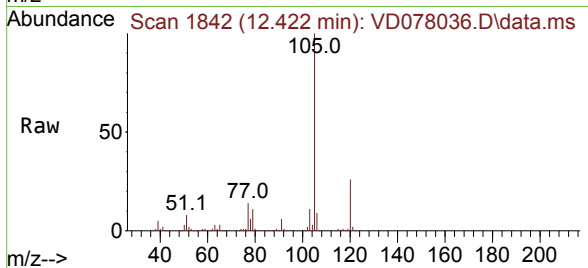
ClientSampleId :

Tgt Ion:105 Resp: 440531

Ion Ratio Lower Upper

105 100

120 26.5 14.3 42.9



#74

N-ethyl acetate

Concen: 44.120 ug/l

RT: 12.234 min Scan# 1810

Delta R.T. -0.000 min

Lab File: VD078036.D

Acq: 21 Dec 2023 19:49

Tgt Ion: 43 Resp: 72545

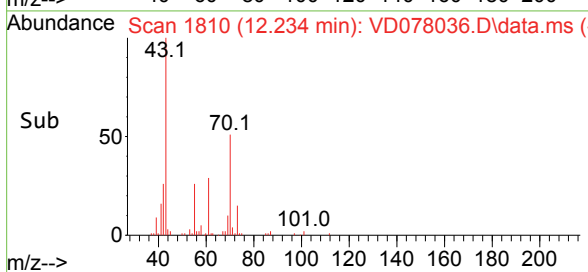
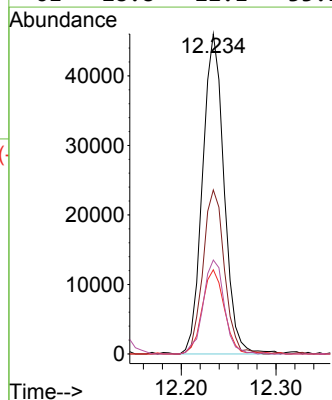
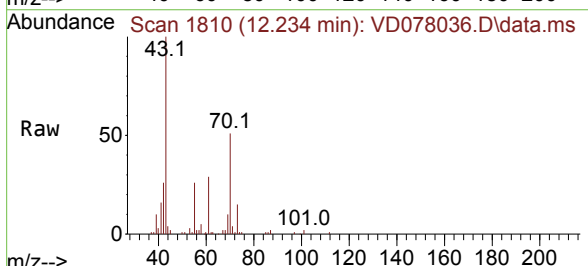
Ion Ratio Lower Upper

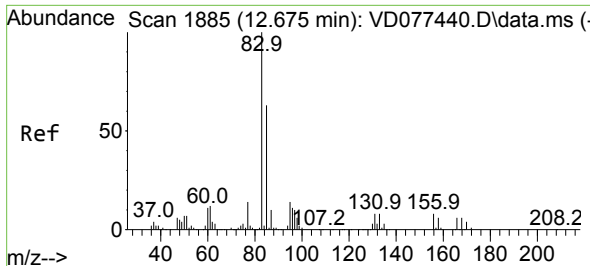
43 100

70 50.9 45.0 67.4

55 26.8 23.8 35.6

61 28.8 22.1 33.1

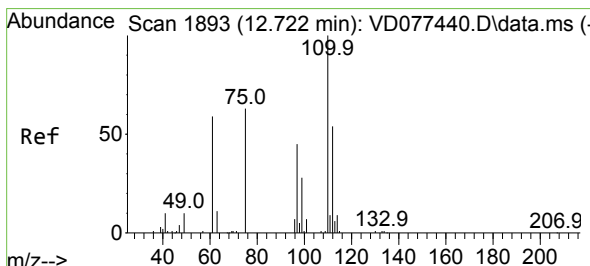
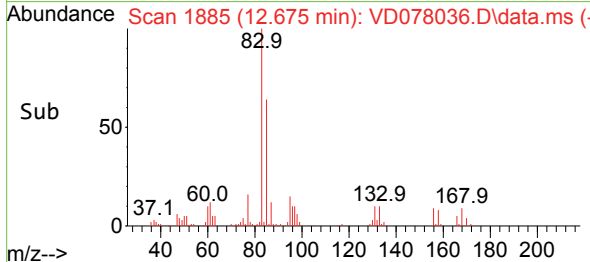
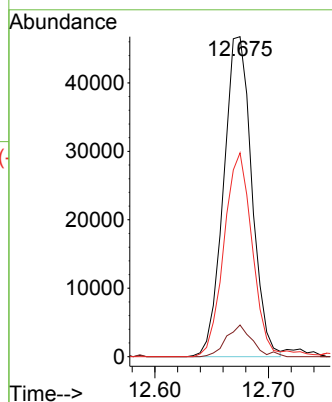
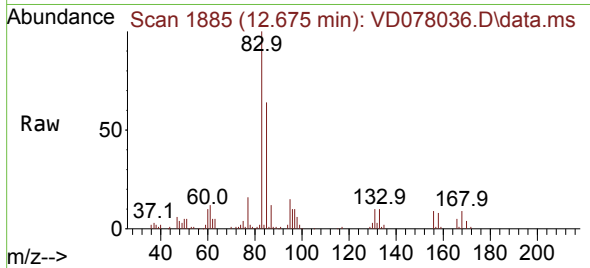




#75  
 1,1,2,2-Tetrachloroethane  
 Concen: 55.375 ug/l  
 RT: 12.675 min Scan# 1885  
 Delta R.T. 0.000 min  
 Lab File: VD078036.D  
 Acq: 21 Dec 2023 19:49

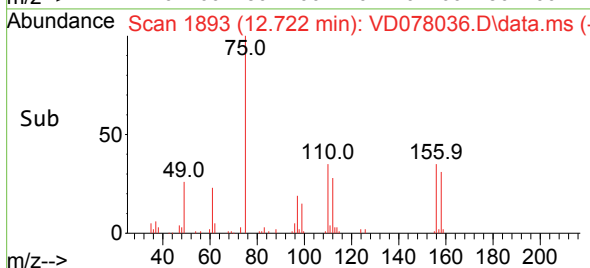
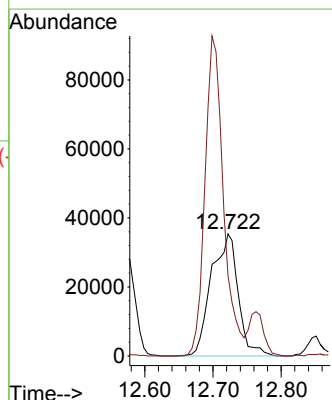
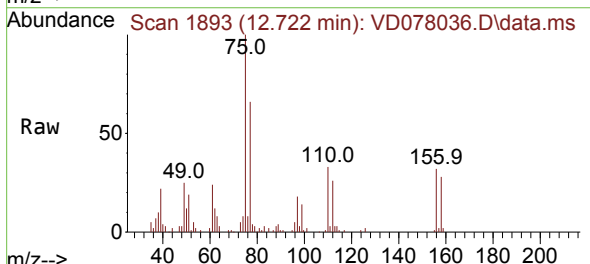
Instrument :  
 MSVOA\_D  
 ClientSampleId :

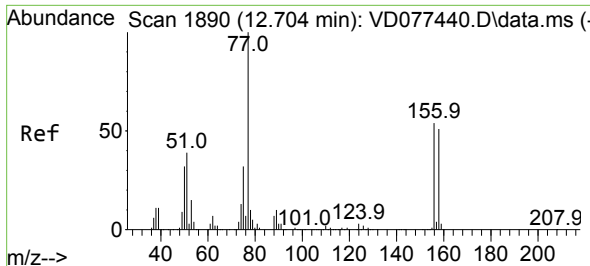
Tgt Ion: 83 Resp: 80765  
 Ion Ratio Lower Upper  
 83 100  
 131 9.2 5.1 15.3  
 85 64.8 32.6 97.8



#76  
 1,2,3-Trichloropropane  
 Concen: 101.058 ug/l  
 RT: 12.722 min Scan# 1893  
 Delta R.T. 0.000 min  
 Lab File: VD078036.D  
 Acq: 21 Dec 2023 19:49

Tgt Ion: 75 Resp: 96868  
 Ion Ratio Lower Upper  
 75 100  
 77 0.0 0.0 0.0

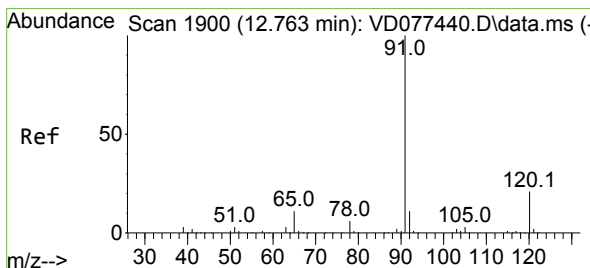
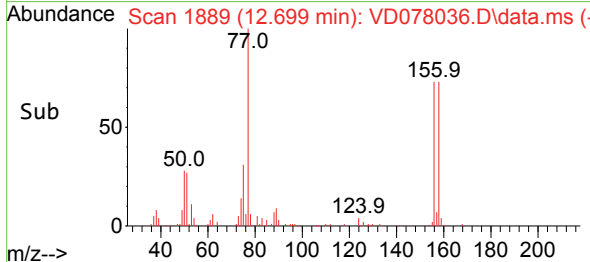
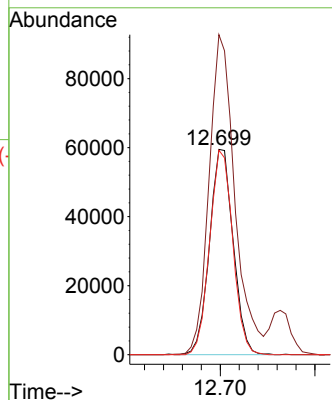
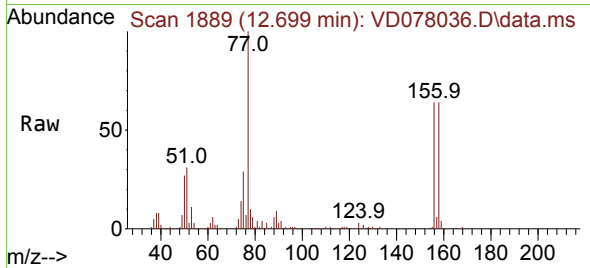




#77  
Bromobenzene  
Concen: 52.517 ug/l  
RT: 12.699 min Scan# 1889  
Delta R.T. -0.005 min  
Lab File: VD078036.D  
Acq: 21 Dec 2023 19:49

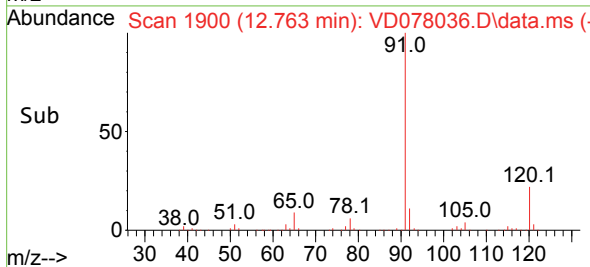
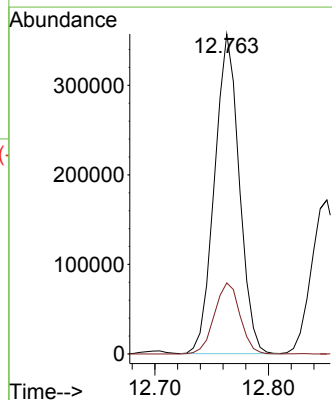
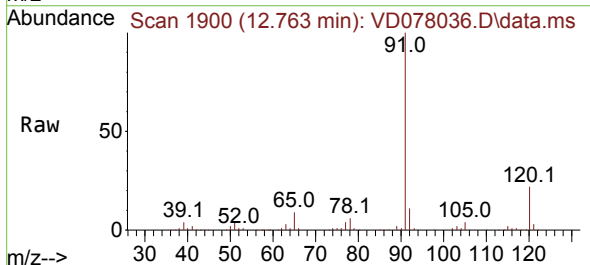
Instrument :  
MSVOA\_D  
ClientSampleId :

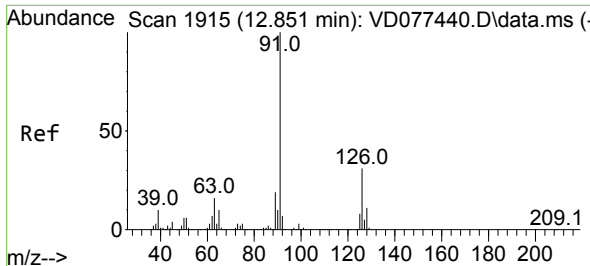
Tgt Ion:156 Resp: 103327  
Ion Ratio Lower Upper  
156 100  
77 169.6 76.8 230.4  
158 97.0 48.6 145.9



#78  
n-propylbenzene  
Concen: 52.977 ug/l  
RT: 12.763 min Scan# 1900  
Delta R.T. 0.000 min  
Lab File: VD078036.D  
Acq: 21 Dec 2023 19:49

Tgt Ion: 91 Resp: 539982  
Ion Ratio Lower Upper  
91 100  
120 23.0 12.4 37.2

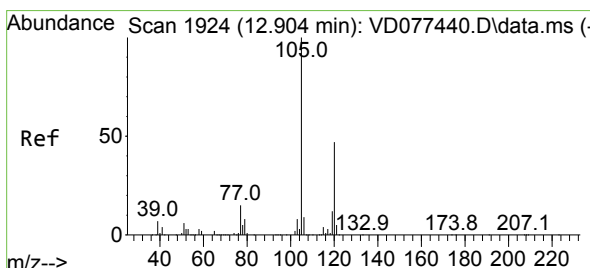
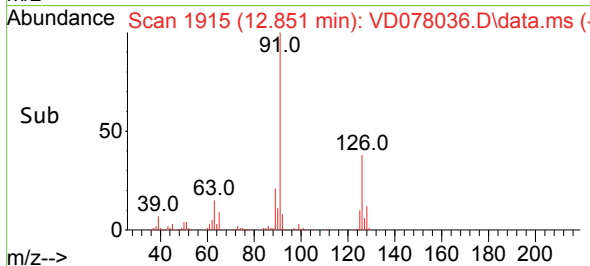
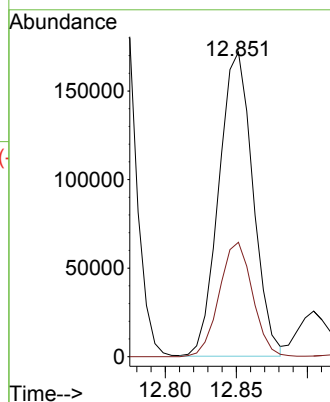
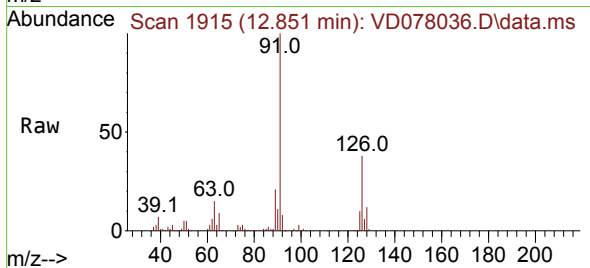




#79  
2-Chlorotoluene  
Concen: 52.456 ug/l  
RT: 12.851 min Scan# 1915  
Delta R.T. 0.000 min  
Lab File: VD078036.D  
Acq: 21 Dec 2023 19:49

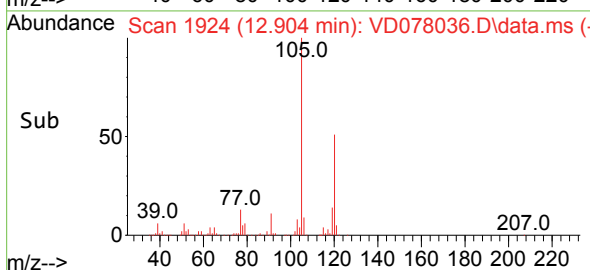
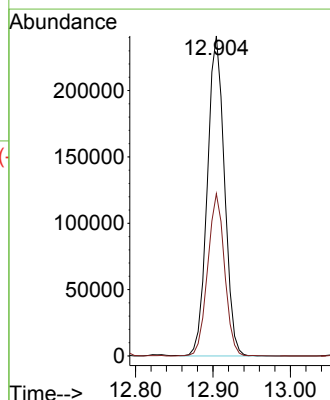
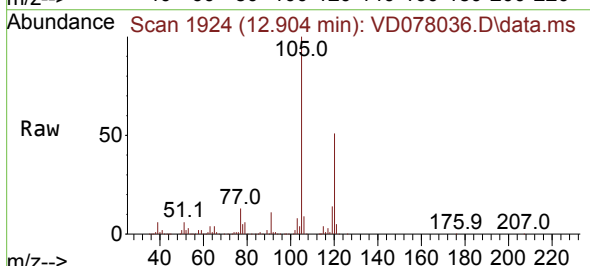
Instrument :  
MSVOA\_D  
ClientSampleId :

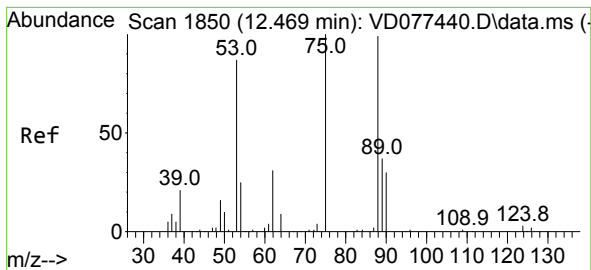
Tgt Ion: 91 Resp: 286533  
Ion Ratio Lower Upper  
91 100  
126 36.8 19.4 58.1



#80  
1,3,5-Trimethylbenzene  
Concen: 52.942 ug/l  
RT: 12.904 min Scan# 1924  
Delta R.T. 0.000 min  
Lab File: VD078036.D  
Acq: 21 Dec 2023 19:49

Tgt Ion:105 Resp: 369349  
Ion Ratio Lower Upper  
105 100  
120 50.1 26.4 79.2

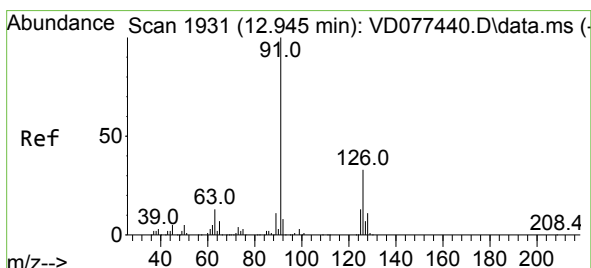
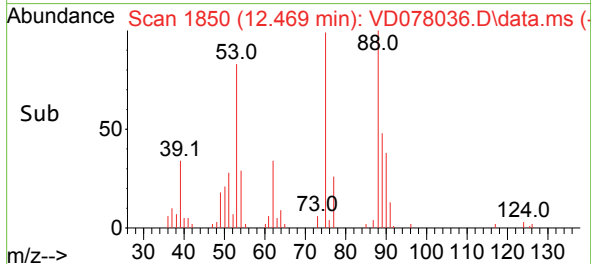
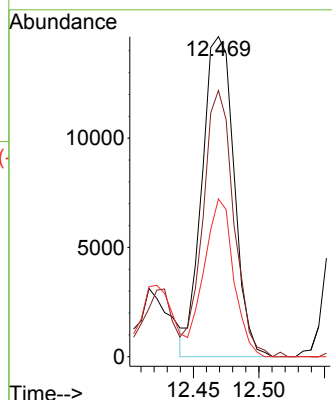
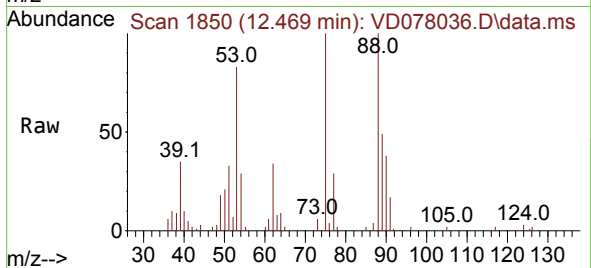




#81  
trans-1,4-Dichloro-2-butene  
Concen: 52.579 ug/l  
RT: 12.469 min Scan# 1850  
Delta R.T. 0.000 min  
Lab File: VD078036.D  
Acq: 21 Dec 2023 19:49

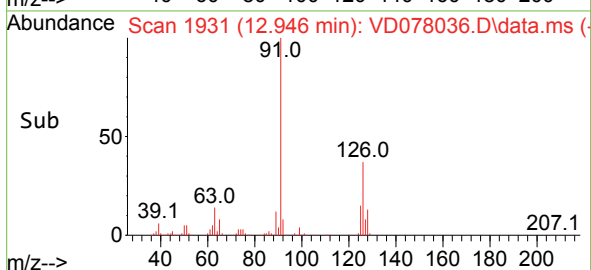
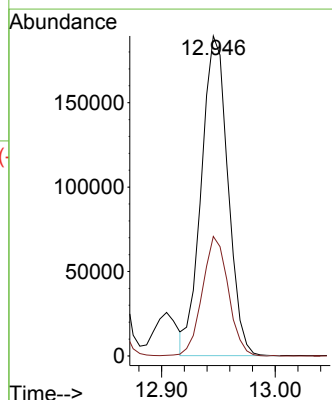
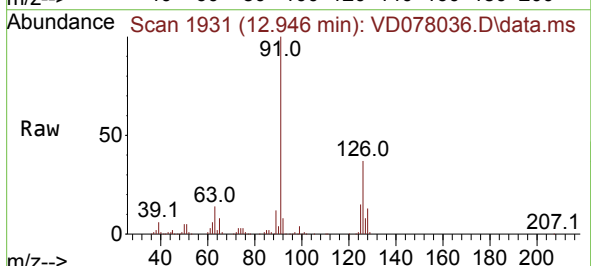
Instrument :  
MSVOA\_D  
ClientSampleId :

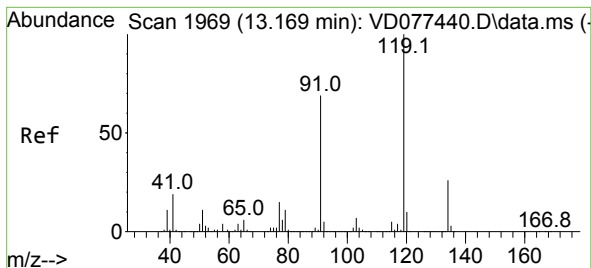
Tgt Ion: 75 Resp: 24875  
Ion Ratio Lower Upper  
75 100  
53 80.5 63.0 94.4  
89 45.2 37.9 56.9



#82  
4-Chlorotoluene  
Concen: 53.749 ug/l  
RT: 12.946 min Scan# 1931  
Delta R.T. 0.001 min  
Lab File: VD078036.D  
Acq: 21 Dec 2023 19:49

Tgt Ion: 91 Resp: 306937  
Ion Ratio Lower Upper  
91 100  
126 36.7 19.4 58.4





#83

tert-Butylbenzene

Concen: 54.518 ug/l

RT: 13.169 min Scan# 1969

Delta R.T. 0.000 min

Lab File: VD078036.D

Acq: 21 Dec 2023 19:49

Instrument :

MSVOA\_D

ClientSampleId :

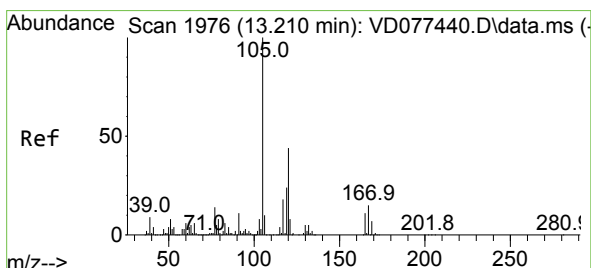
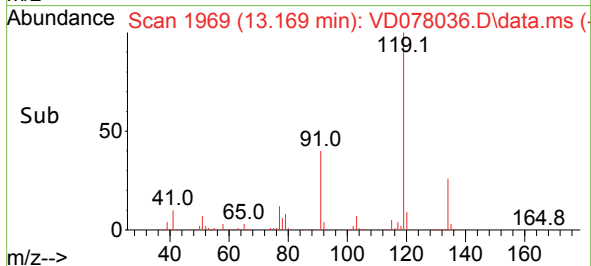
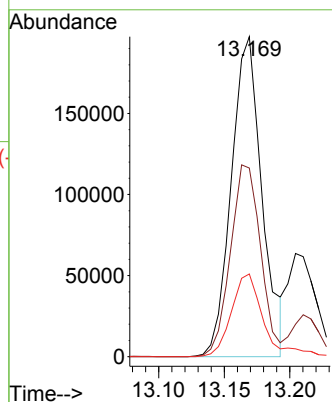
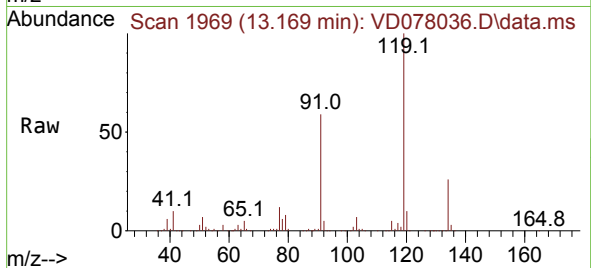
Tgt Ion:119 Resp: 321101

Ion Ratio Lower Upper

119 100

91 59.2 29.3 87.8

134 27.1 14.1 42.3



#84

1,2,4-Trimethylbenzene

Concen: 55.112 ug/l

RT: 13.210 min Scan# 1976

Delta R.T. 0.000 min

Lab File: VD078036.D

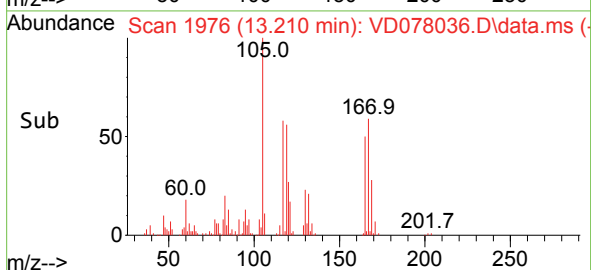
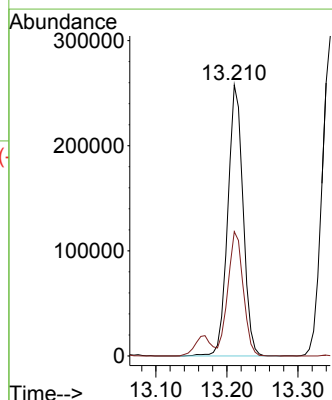
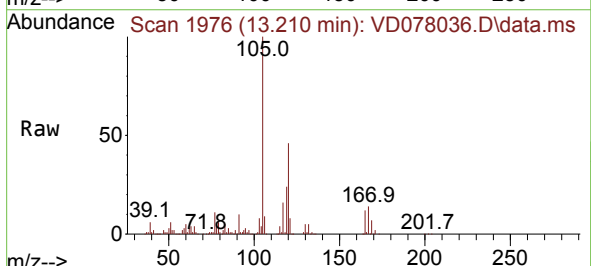
Acq: 21 Dec 2023 19:49

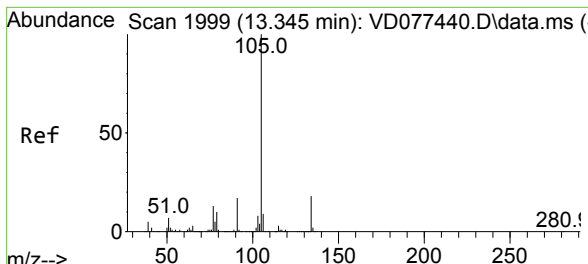
Tgt Ion:105 Resp: 384565

Ion Ratio Lower Upper

105 100

120 45.9 24.3 72.9

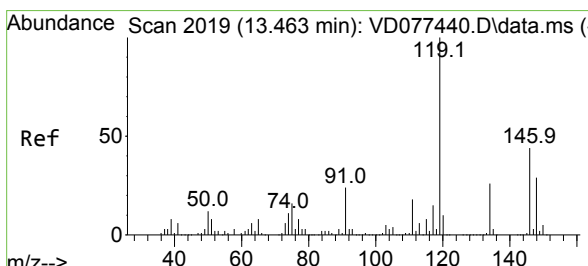
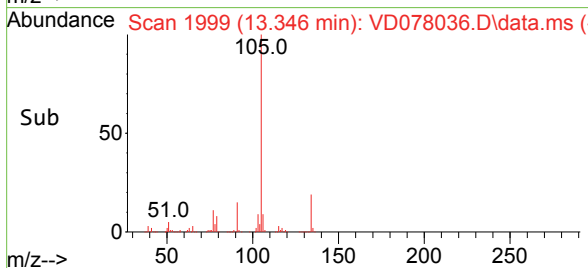
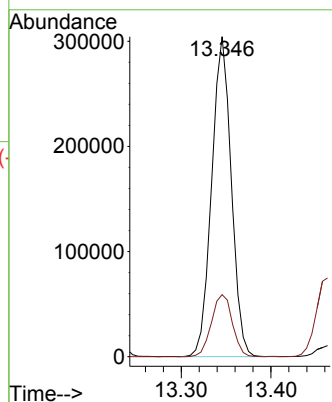
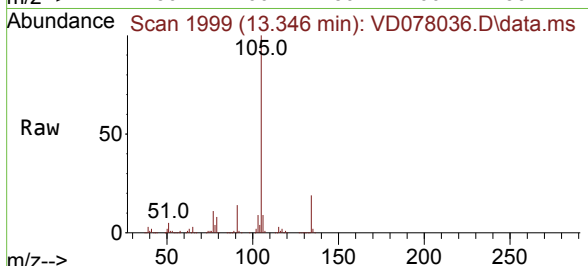




#85  
 sec-Butylbenzene  
 Concen: 52.949 ug/l  
 RT: 13.346 min Scan# 1999  
 Delta R.T. 0.001 min  
 Lab File: VD078036.D  
 Acq: 21 Dec 2023 19:49

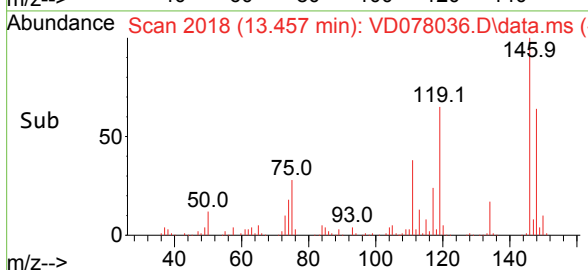
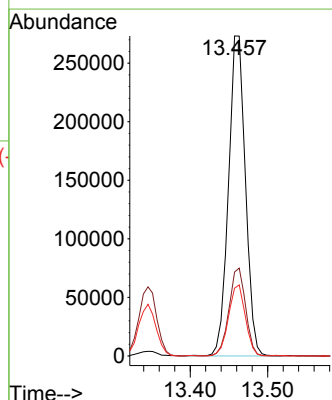
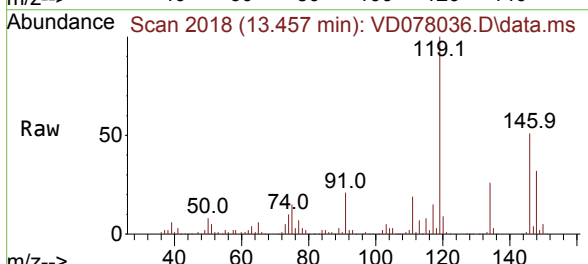
Instrument :  
 MSVOA\_D  
 ClientSampleId :

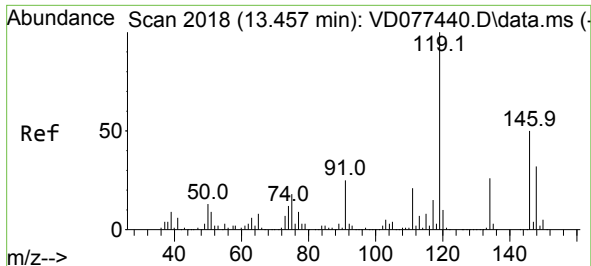
Tgt Ion:105 Resp: 460974  
 Ion Ratio Lower Upper  
 105 100  
 134 20.6 10.9 32.9



#86  
 p-Isopropyltoluene  
 Concen: 53.381 ug/l  
 RT: 13.457 min Scan# 2018  
 Delta R.T. -0.006 min  
 Lab File: VD078036.D  
 Acq: 21 Dec 2023 19:49

Tgt Ion:119 Resp: 416088  
 Ion Ratio Lower Upper  
 119 100  
 134 26.9 14.2 42.6  
 91 22.1 10.5 31.5

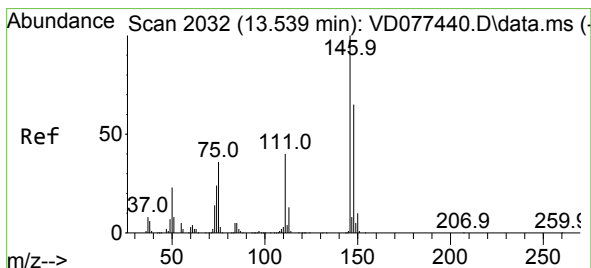
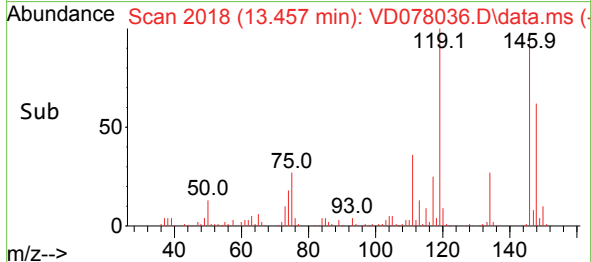
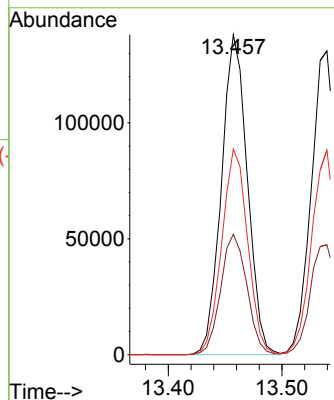
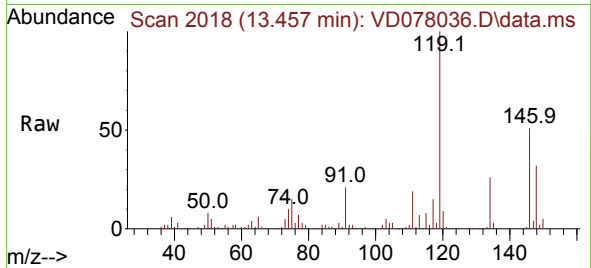




#87  
1,3-Dichlorobenzene  
Concen: 54.402 ug/l  
RT: 13.457 min Scan# 2018  
Delta R.T. 0.000 min  
Lab File: VD078036.D  
Acq: 21 Dec 2023 19:49

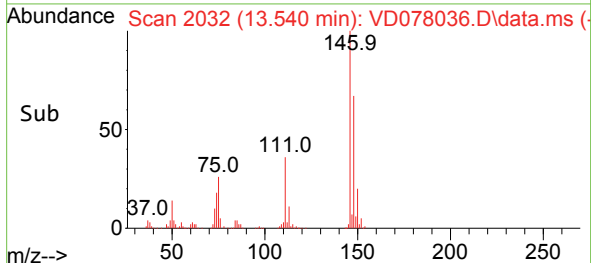
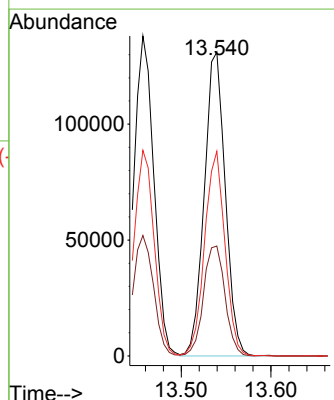
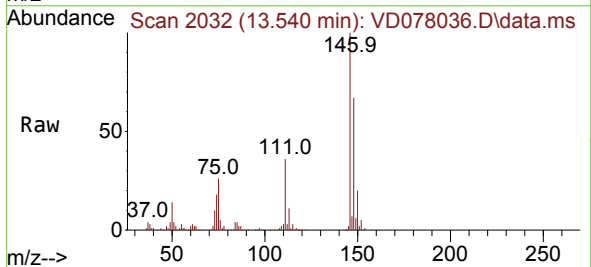
Instrument :  
MSVOA\_D  
ClientSampleId :

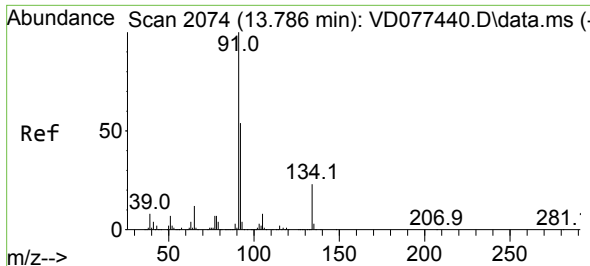
Tgt Ion:146 Resp: 218887  
Ion Ratio Lower Upper  
146 100  
111 38.0 17.9 53.8  
148 64.3 32.3 96.8



#88  
1,4-Dichlorobenzene  
Concen: 53.157 ug/l  
RT: 13.540 min Scan# 2032  
Delta R.T. 0.001 min  
Lab File: VD078036.D  
Acq: 21 Dec 2023 19:49

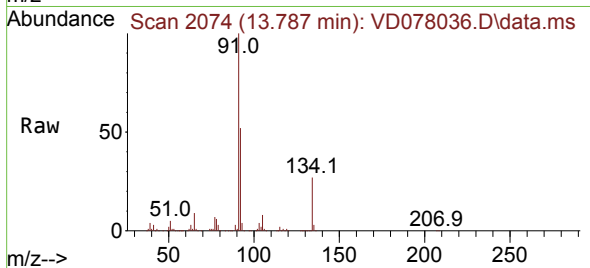
Tgt Ion:146 Resp: 213073  
Ion Ratio Lower Upper  
146 100  
111 37.2 17.4 52.3  
148 65.5 31.7 95.1



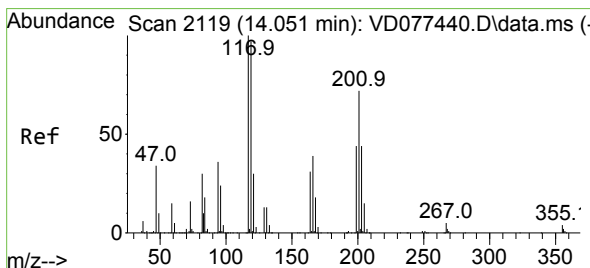
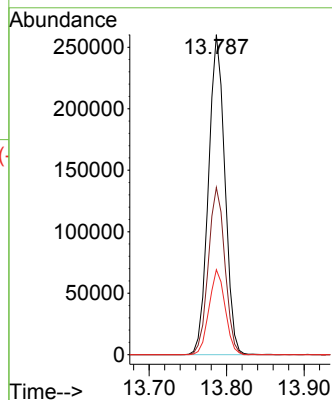
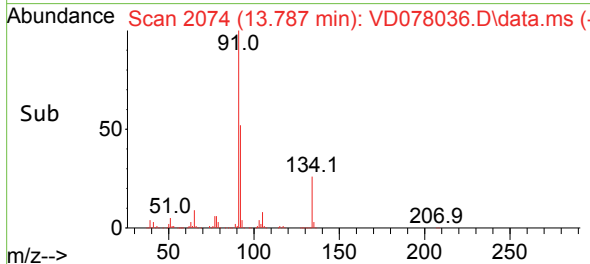


#89  
n-Butylbenzene  
Concen: 52.006 ug/l  
RT: 13.787 min Scan# 2074  
Delta R.T. 0.001 min  
Lab File: VD078036.D  
Acq: 21 Dec 2023 19:49

Instrument :  
MSVOA\_D  
ClientSampleId :

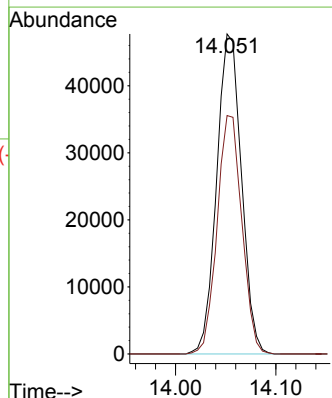
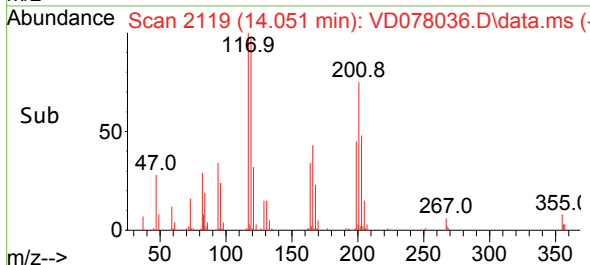
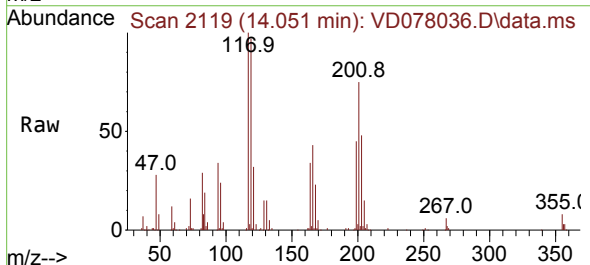


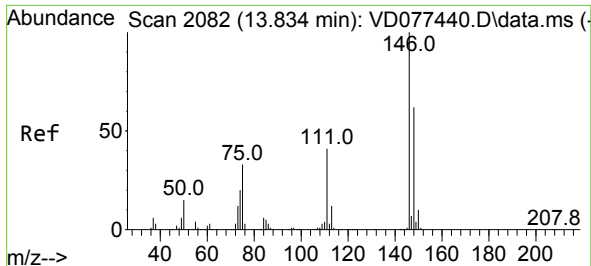
Tgt Ion: 91 Resp: 381441  
Ion Ratio Lower Upper  
91 100  
92 52.9 26.5 79.5  
134 26.1 13.8 41.3



#90  
Hexachloroethane  
Concen: 57.158 ug/l  
RT: 14.051 min Scan# 2119  
Delta R.T. 0.000 min  
Lab File: VD078036.D  
Acq: 21 Dec 2023 19:49

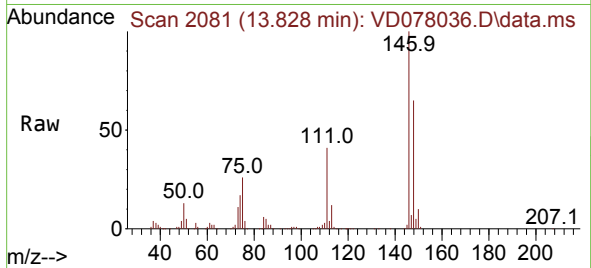
Tgt Ion: 117 Resp: 81936  
Ion Ratio Lower Upper  
117 100  
201 74.2 38.5 115.5



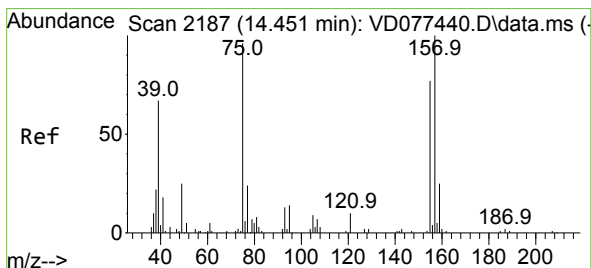
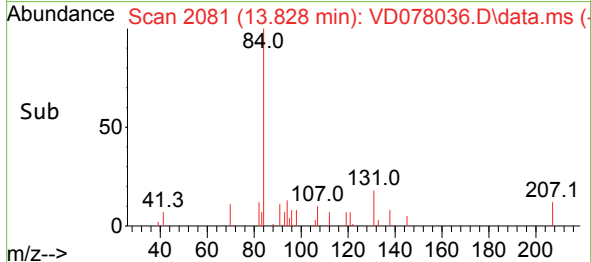
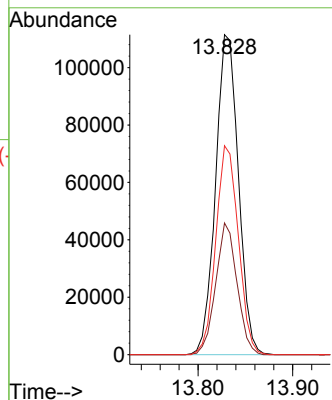


#91  
1,2-Dichlorobenzene  
Concen: 54.718 ug/l  
RT: 13.828 min Scan# 2081  
Delta R.T. -0.006 min  
Lab File: VD078036.D  
Acq: 21 Dec 2023 19:49

Instrument :  
MSVOA\_D  
ClientSampleId :

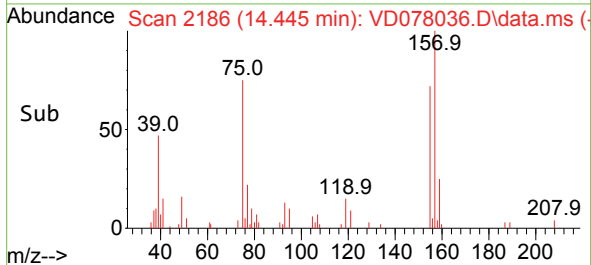
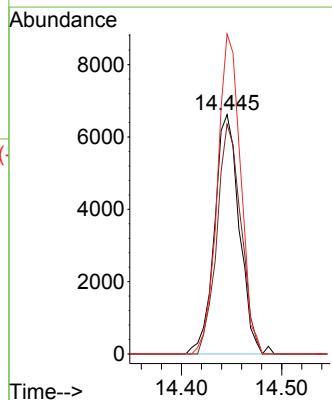
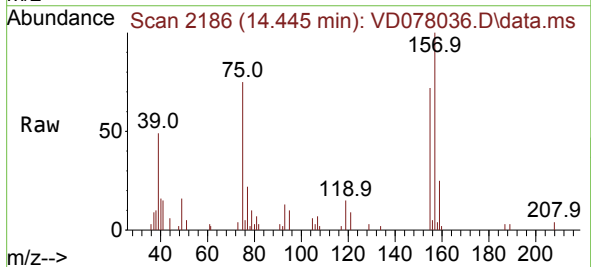


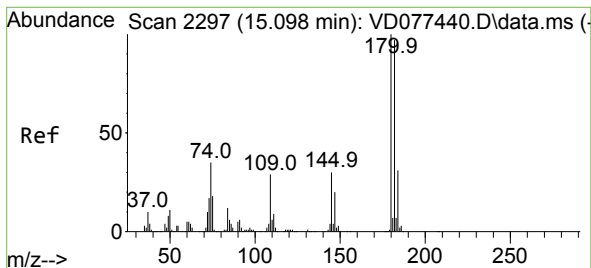
Tgt Ion:146 Resp: 187240  
Ion Ratio Lower Upper  
146 100  
111 38.5 18.3 54.8  
148 64.5 31.6 94.7



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 53.892 ug/l  
RT: 14.445 min Scan# 2186  
Delta R.T. -0.006 min  
Lab File: VD078036.D  
Acq: 21 Dec 2023 19:49

Tgt Ion: 75 Resp: 11370  
Ion Ratio Lower Upper  
75 100  
155 92.9 47.9 143.8  
157 124.7 59.9 179.7





#93

1,2,4-Trichlorobenzene

Concen: 49.140 ug/l

RT: 15.098 min Scan# 21

Delta R.T. 0.000 min

Lab File: VD078036.D

Acq: 21 Dec 2023 19:49

Instrument :

MSVOA\_D

ClientSampleId :

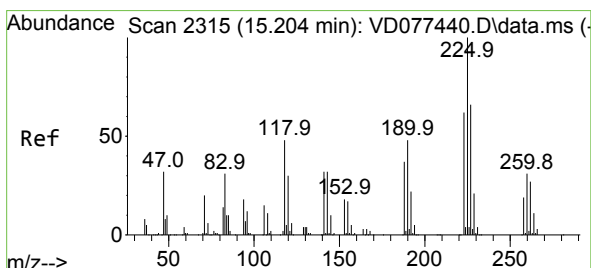
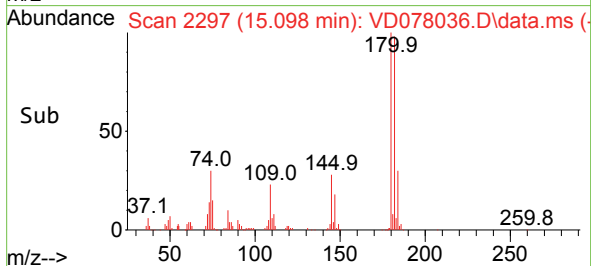
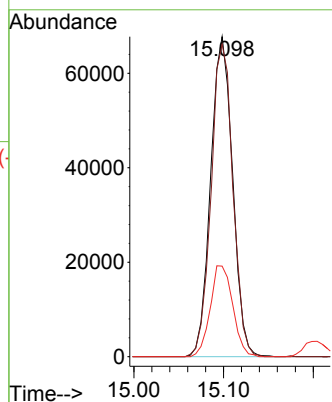
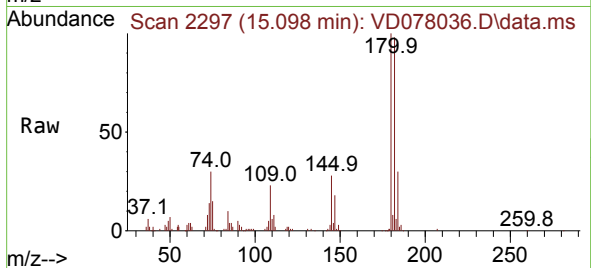
Tgt Ion:180 Resp: 114858

Ion Ratio Lower Upper

180 100

182 96.9 48.5 145.6

145 29.2 14.2 42.6



#94

Hexachlorobutadiene

Concen: 47.562 ug/l

RT: 15.204 min Scan# 2315

Delta R.T. 0.000 min

Lab File: VD078036.D

Acq: 21 Dec 2023 19:49

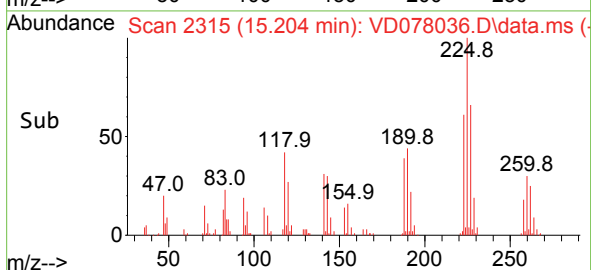
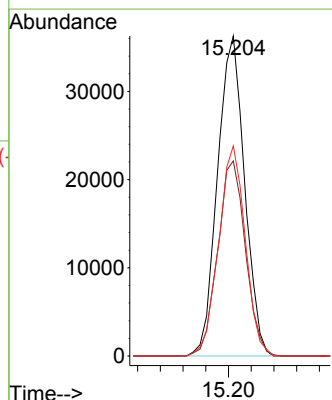
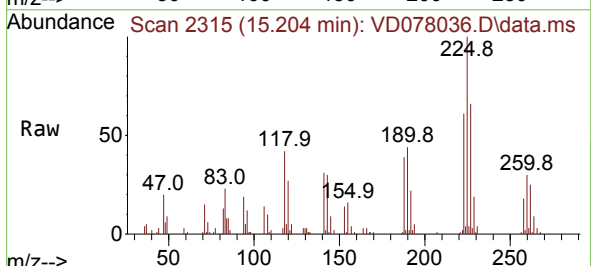
Tgt Ion:225 Resp: 59947

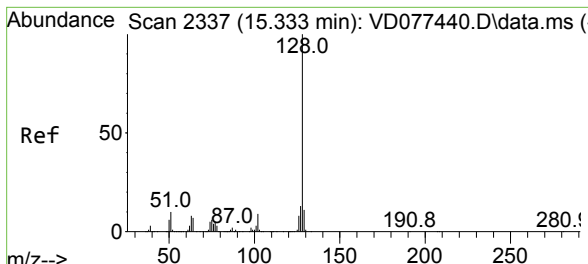
Ion Ratio Lower Upper

225 100

223 62.4 31.6 94.8

227 64.6 31.7 95.1

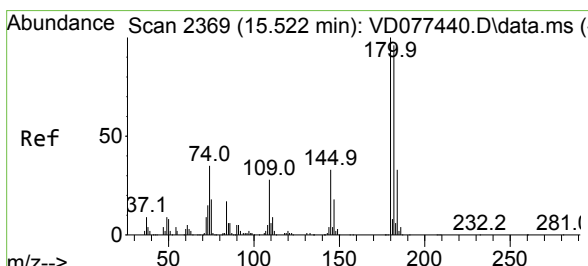
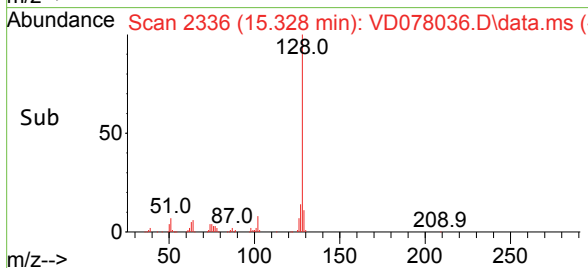
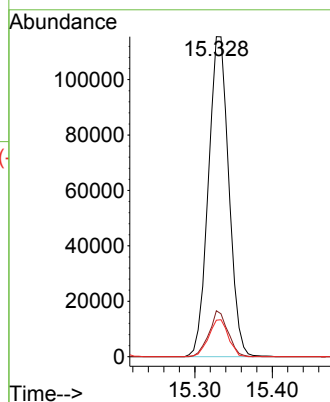
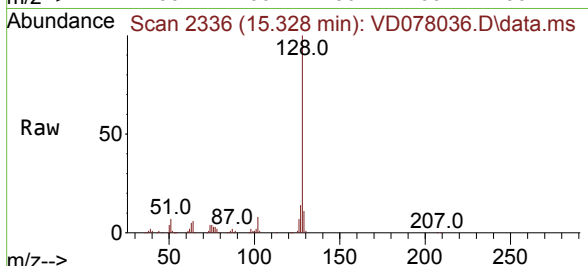




#95  
Naphthalene  
Concen: 54.575 ug/l  
RT: 15.328 min Scan# 211942  
Delta R.T. -0.005 min  
Lab File: VD078036.D  
Acq: 21 Dec 2023 19:49

Instrument :  
MSVOA\_D  
ClientSampleId :

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 128   | Resp: | 211942 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 14.3  | 10.5  | 15.7   |
| 129       | 11.4  | 8.7   | 13.1   |



#96  
1,2,3-Trichlorobenzene  
Concen: 51.718 ug/l  
RT: 15.522 min Scan# 2369  
Delta R.T. -0.000 min  
Lab File: VD078036.D  
Acq: 21 Dec 2023 19:49

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 99657 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 96.1  | 47.3  | 141.9 |
| 145       | 30.3  | 15.1  | 45.3  |

