

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD090424\  
 Data File : VD079779.D  
 Acq On : 04 Sep 2024 17:48  
 Operator : RP/MD  
 Sample : VSTDCCC050  
 Misc : 5.02G/5.0ml/MSVOA\_D/SOIL/A  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Sep 05 02:19:57 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D083024S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 30 15:57:30 2024  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|------------------------------|--------|-------|----------|----------|------------|----------|
| -----                        |        |       |          |          |            |          |
| Internal Standards           |        |       |          |          |            |          |
| 1) Pentafluorobenzene        | 7.875  | 168   | 103485   | 50.000   | ug/l       | # 0.00   |
| 34) 1,4-Difluorobenzene      | 8.775  | 114   | 204809   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5         | 11.581 | 117   | 206472   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.516 | 152   | 106342   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds  |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4    | 8.228  | 65    | 83957    | 59.502   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 50 - 163 | Recovery | = 119.000% |          |
| 35) Dibromofluoromethane     | 7.805  | 113   | 73983    | 55.574   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 54 - 147 | Recovery | = 111.140% |          |
| 50) Toluene-d8               | 10.269 | 98    | 333408   | 58.396   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 58 - 134 | Recovery | = 116.800% |          |
| 62) 4-Bromofluorobenzene     | 12.569 | 95    | 100778   | 63.084   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 29 - 146 | Recovery | = 126.160% |          |
| Target Compounds             |        |       |          |          |            | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.934  | 85    | 63961    | 51.474   | ug/l       | 99       |
| 3) Chloromethane             | 2.146  | 50    | 143597   | 55.473   | ug/l       | 99       |
| 4) Vinyl Chloride            | 2.281  | 62    | 173820   | 55.737   | ug/l       | 96       |
| 5) Bromomethane              | 2.687  | 94    | 114809   | 53.181   | ug/l       | 97       |
| 6) Chloroethane              | 2.834  | 64    | 122133   | 57.766   | ug/l       | 99       |
| 7) Trichlorofluoromethane    | 3.170  | 101   | 124722   | 52.981   | ug/l       | 100      |
| 8) Diethyl Ether             | 3.593  | 74    | 43040    | 57.627   | ug/l       | 80       |
| 9) 1,1,2-Trichlorotrifluo... | 3.964  | 101   | 67073    | 50.886   | ug/l       | 93       |
| 10) Methyl Iodide            | 4.164  | 142   | 77432    | 50.984   | ug/l       | # 85     |
| 11) Tert butyl alcohol       | 5.046  | 59    | 21786    | 313.085  | ug/l       | # 76     |
| 12) 1,1-Dichloroethene       | 3.946  | 96    | 74282    | 53.676   | ug/l       | 87       |
| 13) Acrolein                 | 3.799  | 56    | 25172    | 185.552  | ug/l       | 92       |
| 14) Allyl chloride           | 4.564  | 41    | 115808   | 56.802   | ug/l       | # 87     |
| 15) Acrylonitrile            | 5.252  | 53    | 103803   | 308.218  | ug/l       | 98       |
| 16) Acetone                  | 4.023  | 43    | 95397    | 325.799  | ug/l       | 97       |
| 17) Carbon Disulfide         | 4.275  | 76    | 266315   | 52.628   | ug/l       | 97       |
| 18) Methyl Acetate           | 4.558  | 43    | 46581    | 55.498   | ug/l       | # 83     |
| 19) Methyl tert-butyl Ether  | 5.317  | 73    | 182023   | 60.101   | ug/l       | 97       |
| 20) Methylene Chloride       | 4.799  | 84    | 112681   | 64.656   | ug/l       | # 77     |
| 21) trans-1,2-Dichloroethene | 5.305  | 96    | 85667    | 55.775   | ug/l       | 87       |
| 22) Diisopropyl ether        | 6.216  | 45    | 269239   | 62.748   | ug/l       | # 91     |
| 23) Vinyl Acetate            | 6.152  | 43    | 791576   | 313.114  | ug/l       | # 90     |
| 24) 1,1-Dichloroethane       | 6.111  | 63    | 158829   | 56.607   | ug/l       | 95       |
| 25) 2-Butanone               | 7.081  | 43    | 128341   | 328.546  | ug/l       | 90       |
| 26) 2,2-Dichloropropane      | 7.075  | 77    | 123062   | 56.372   | ug/l       | 99       |
| 27) cis-1,2-Dichloroethene   | 7.075  | 96    | 100757   | 57.196   | ug/l       | 86       |
| 28) Bromochloromethane       | 7.422  | 49    | 76429    | 61.285   | ug/l       | # 59     |
| 29) Tetrahydrofuran          | 7.446  | 42    | 79765    | 330.128  | ug/l       | # 78     |
| 30) Chloroform               | 7.599  | 83    | 156148   | 56.059   | ug/l       | 99       |
| 31) Cyclohexane              | 7.875  | 56    | 128279   | 54.382   | ug/l       | 86       |
| 32) 1,1,1-Trichloroethane    | 7.793  | 97    | 128530   | 55.400   | ug/l       | 97       |
| 36) 1,1-Dichloropropene      | 8.005  | 75    | 113253   | 57.397   | ug/l       | 93       |
| 37) Ethyl Acetate            | 7.164  | 43    | 54911    | 62.975   | ug/l       | # 96     |
| 38) Carbon Tetrachloride     | 7.993  | 117   | 115010   | 54.653   | ug/l       | 97       |
| 39) Methylcyclohexane        | 9.275  | 83    | 137273   | 57.129   | ug/l       | 88       |
| 40) Benzene                  | 8.252  | 78    | 369479   | 56.148   | ug/l       | 100      |

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 Sample : VSTDCCC050  
 Misc : 5.02G/5.0ml/MSVOA\_D/SOIL/A  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Sep 05 02:19:57 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D083024S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 30 15:57:30 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.405  | 41   | 33790    | 67.720   | ug/l # | 78       |
| 42) 1,2-Dichloroethane        | 8.322  | 62   | 93171    | 57.731   | ug/l   | 93       |
| 43) Isopropyl Acetate         | 8.363  | 43   | 101923   | 62.656   | ug/l # | 91       |
| 44) Trichloroethene           | 9.028  | 130  | 74714    | 53.201   | ug/l   | 89       |
| 45) 1,2-Dichloropropane       | 9.305  | 63   | 91143    | 57.375   | ug/l   | 99       |
| 46) Dibromomethane            | 9.393  | 93   | 46904    | 55.817   | ug/l # | 84       |
| 47) Bromodichloromethane      | 9.581  | 83   | 118539   | 56.486   | ug/l   | 97       |
| 48) Methyl methacrylate       | 9.381  | 41   | 47712    | 60.767   | ug/l # | 81       |
| 49) 1,4-Dioxane               | 9.381  | 88   | 11505    | 1362.756 | ug/l # | 80       |
| 51) 4-Methyl-2-Pentanone      | 10.157 | 43   | 280374   | 329.962  | ug/l   | 91       |
| 52) Toluene                   | 10.334 | 92   | 225366   | 56.626   | ug/l   | 96       |
| 53) t-1,3-Dichloropropene     | 10.552 | 75   | 117587   | 59.436   | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 10.016 | 75   | 138418   | 58.737   | ug/l # | 90       |
| 55) 1,1,2-Trichloroethane     | 10.728 | 97   | 62381    | 56.745   | ug/l   | 92       |
| 56) Ethyl methacrylate        | 10.599 | 69   | 89341    | 64.859   | ug/l # | 84       |
| 57) 1,3-Dichloropropane       | 10.881 | 76   | 113718   | 57.382   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.869  | 63   | 184368   | 296.048  | ug/l # | 86       |
| 59) 2-Hexanone                | 10.916 | 43   | 209653   | 313.766  | ug/l   | 91       |
| 60) Dibromochloromethane      | 11.069 | 129  | 76089    | 56.270   | ug/l   | 97       |
| 61) 1,2-Dibromoethane         | 11.175 | 107  | 56850    | 59.009   | ug/l   | 97       |
| 64) Tetrachloroethene         | 10.804 | 164  | 61111    | 50.387   | ug/l   | 92       |
| 65) Chlorobenzene             | 11.604 | 112  | 243550   | 53.163   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.675 | 131  | 80401    | 53.427   | ug/l   | 96       |
| 67) Ethyl Benzene             | 11.681 | 91   | 446193   | 55.250   | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.787 | 106  | 342432   | 110.457  | ug/l   | 87       |
| 69) o-Xylene                  | 12.116 | 106  | 164612   | 56.971   | ug/l   | 86       |
| 70) Styrene                   | 12.134 | 104  | 288965   | 57.297   | ug/l   | 94       |
| 71) Bromoform                 | 12.299 | 173  | 40721    | 53.958   | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.416 | 105  | 414445   | 54.759   | ug/l   | 99       |
| 74) N-amyl acetate            | 12.228 | 43   | 113323   | 62.997   | ug/l # | 86       |
| 75) 1,1,2,2-Tetrachloroethane | 12.669 | 83   | 79589    | 54.782   | ug/l   | 94       |
| 76) 1,2,3-Trichloropropane    | 12.722 | 75   | 102710   | 113.004  | ug/l # | 100      |
| 77) Bromobenzene              | 12.698 | 156  | 87724    | 52.078   | ug/l   | 77       |
| 78) n-propylbenzene           | 12.757 | 91   | 521952   | 55.809   | ug/l   | 95       |
| 79) 2-Chlorotoluene           | 12.846 | 91   | 290146   | 55.689   | ug/l   | 90       |
| 80) 1,3,5-Trimethylbenzene    | 12.899 | 105  | 357131   | 56.758   | ug/l   | 94       |
| 81) trans-1,4-Dichloro-2-b... | 12.463 | 75   | 29903    | 54.874   | ug/l   | 90       |
| 82) 4-Chlorotoluene           | 12.946 | 91   | 300892   | 55.447   | ug/l   | 92       |
| 83) tert-Butylbenzene         | 13.163 | 119  | 295447   | 56.504   | ug/l   | 91       |
| 84) 1,2,4-Trimethylbenzene    | 13.210 | 105  | 368388   | 56.755   | ug/l   | 97       |
| 85) sec-Butylbenzene          | 13.340 | 105  | 444341   | 55.582   | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 13.457 | 119  | 390477   | 50.985   | ug/l   | 96       |
| 87) 1,3-Dichlorobenzene       | 13.457 | 146  | 189983   | 52.537   | ug/l   | 96       |
| 88) 1,4-Dichlorobenzene       | 13.534 | 146  | 185031   | 51.175   | ug/l   | 95       |
| 89) n-Butylbenzene            | 13.781 | 91   | 386521   | 60.351   | ug/l   | 97       |
| 90) Hexachloroethane          | 14.051 | 117  | 75027    | 55.503   | ug/l   | 84       |
| 91) 1,2-Dichlorobenzene       | 13.828 | 146  | 165822   | 53.547   | ug/l   | 96       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.445 | 75   | 12395    | 58.435   | ug/l   | 79       |
| 93) 1,2,4-Trichlorobenzene    | 15.092 | 180  | 101369   | 59.597   | ug/l   | 95       |
| 94) Hexachlorobutadiene       | 15.198 | 225  | 47802    | 58.443   | ug/l   | 96       |
| 95) Naphthalene               | 15.328 | 128  | 241299   | 69.909   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.516 | 180  | 90833    | 61.116   | ug/l   | 98       |

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Sample : VSTDCCC050  
Misc : 5.02G/5.0ml/MSVOA\_D/SOIL/A  
ALS Vial : 13 Sample Multiplier: 1

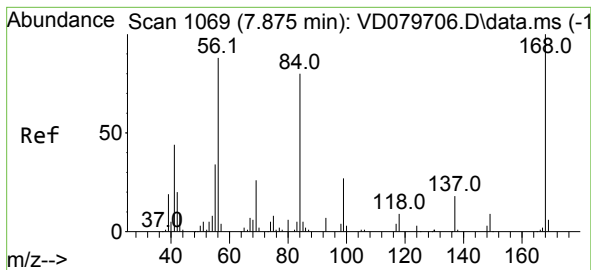
Instrument :  
MSVOA\_D  
ClientSampleId :

Quant Time: Sep 05 02:19:57 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D083024S.M  
Quant Title : SW846 8260  
QLast Update : Fri Aug 30 15:57:30 2024  
Response via : Initial Calibration

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

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD079779.D

Acq: 04 Sep 2024 17:48

Instrument :

MSVOA\_D

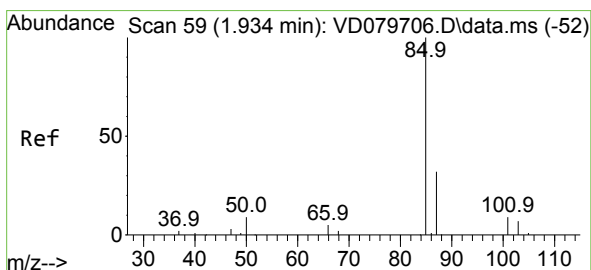
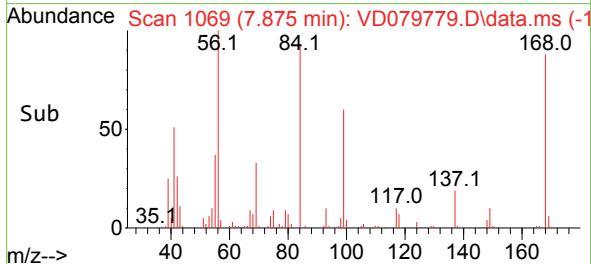
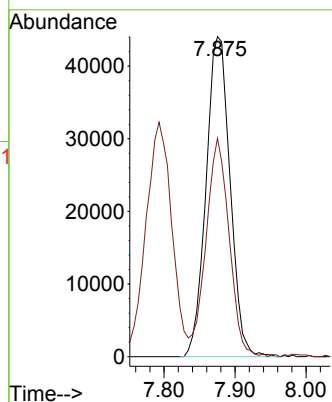
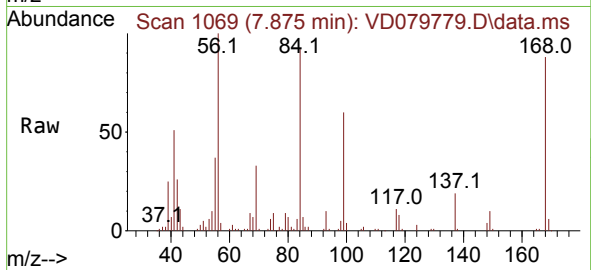
ClientSampleId :

Tgt Ion:168 Resp: 103485

Ion Ratio Lower Upper

168 100

99 68.3 41.1 61.7#



#2

Dichlorodifluoromethane

Concen: 51.474 ug/l

RT: 1.934 min Scan# 59

Delta R.T. 0.000 min

Lab File: VD079779.D

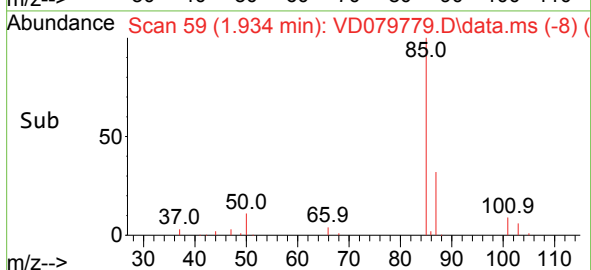
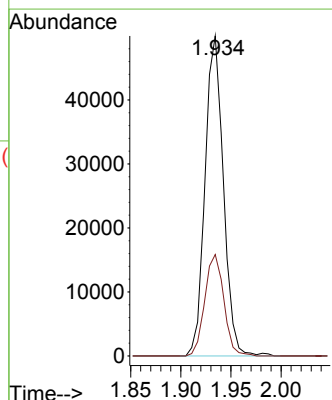
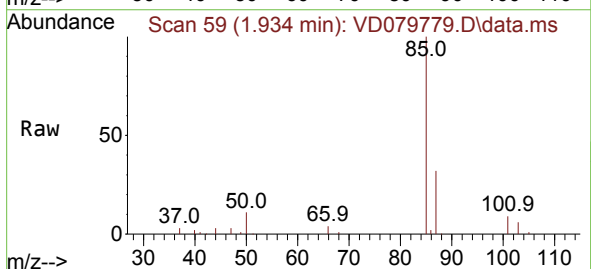
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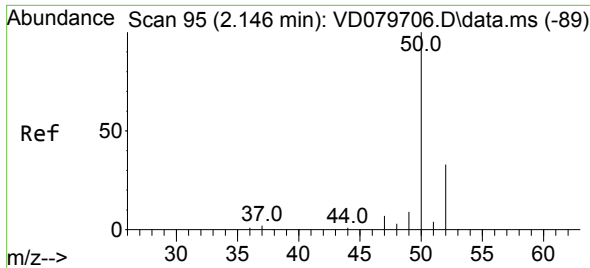
Tgt Ion: 85 Resp: 63961

Ion Ratio Lower Upper

85 100

87 31.7 16.0 48.0

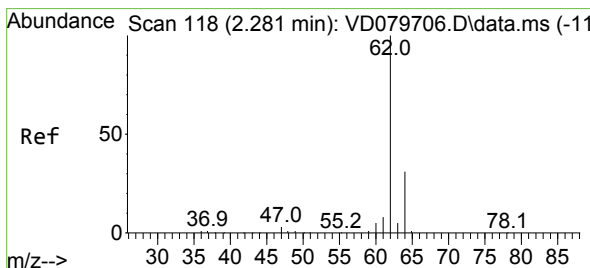
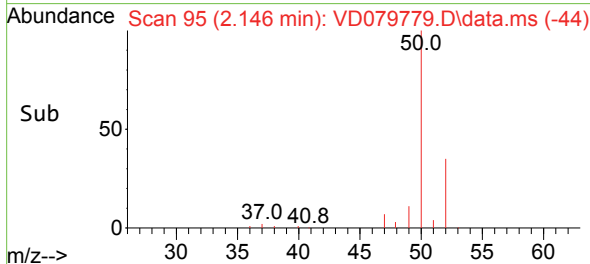
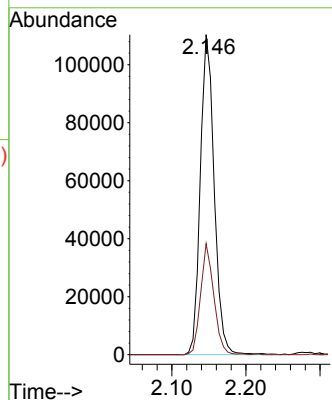
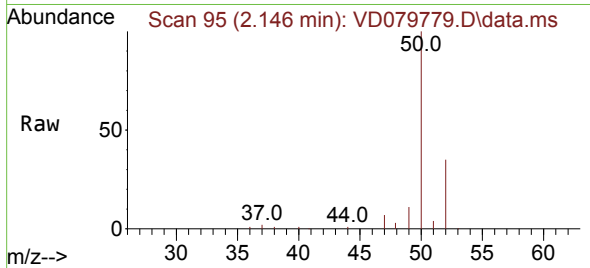




#3  
Chloromethane  
Concen: 55.473 ug/l  
RT: 2.146 min Scan# 95  
Delta R.T. 0.000 min  
Lab File: VD079779.D  
Acq: 04 Sep 2024 17:48

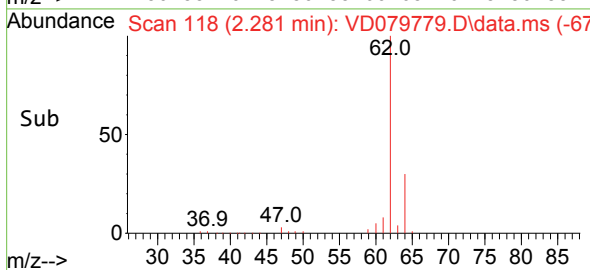
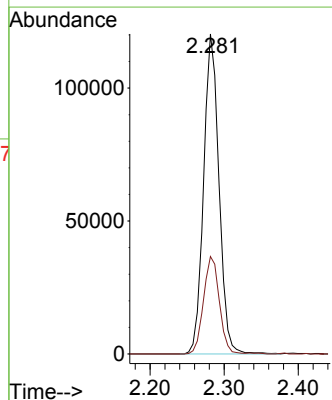
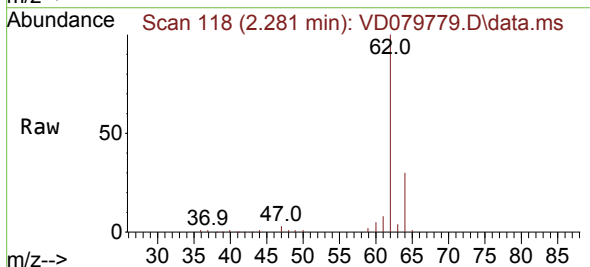
Instrument :  
MSVOA\_D  
ClientSampleId :

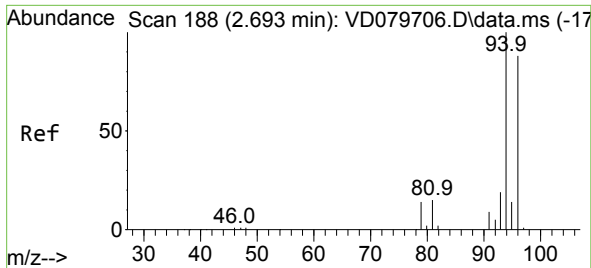
Tgt Ion: 50 Resp: 143597  
Ion Ratio Lower Upper  
50 100  
52 34.7 28.2 42.2



#4  
Vinyl Chloride  
Concen: 55.737 ug/l  
RT: 2.281 min Scan# 118  
Delta R.T. 0.000 min  
Lab File: VD079779.D  
Acq: 04 Sep 2024 17:48

Tgt Ion: 62 Resp: 173820  
Ion Ratio Lower Upper  
62 100  
64 30.4 26.3 39.5

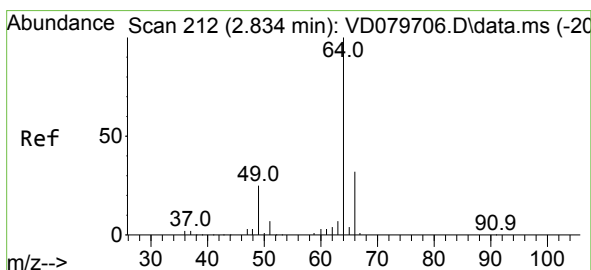
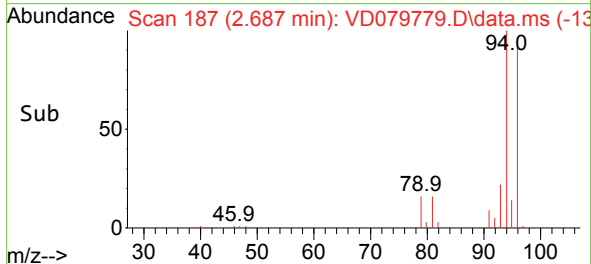
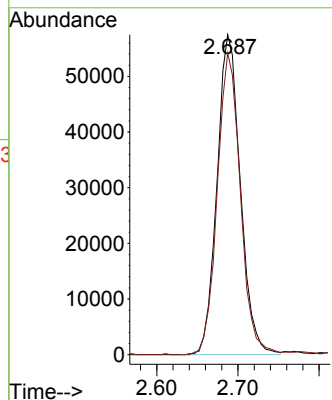
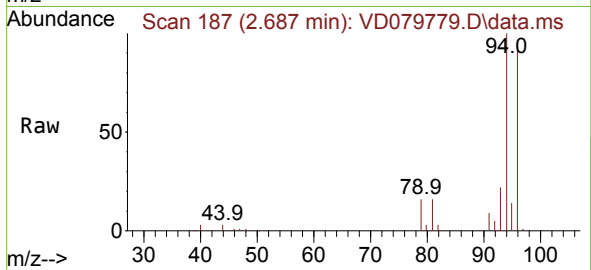




#5  
Bromomethane  
Concen: 53.181 ug/l  
RT: 2.687 min Scan# 188  
Delta R.T. -0.006 min  
Lab File: VD079779.D  
Acq: 04 Sep 2024 17:48

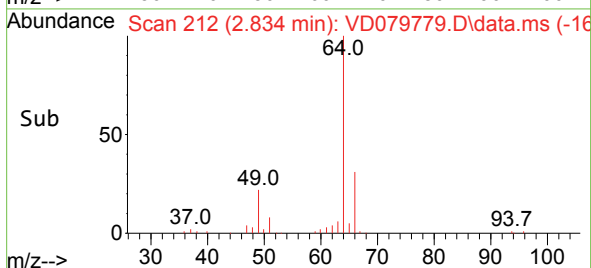
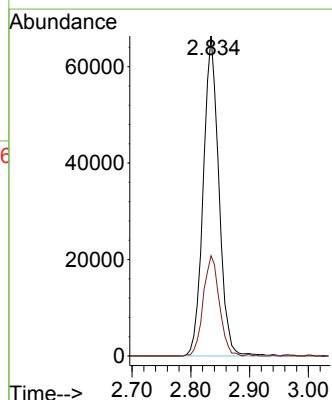
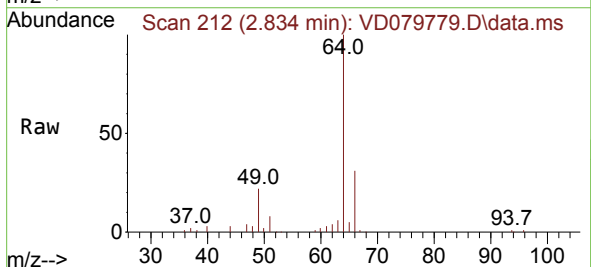
Instrument :  
MSVOA\_D  
ClientSampleId :

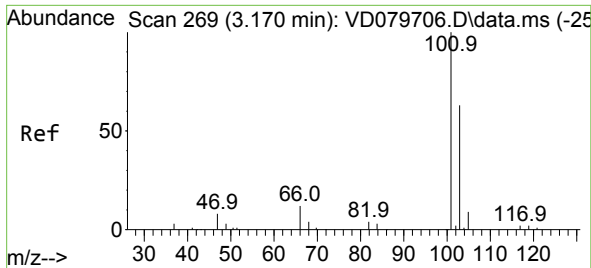
Tgt Ion: 94 Resp: 114809  
Ion Ratio Lower Upper  
94 100  
96 93.3 76.9 115.3



#6  
Chloroethane  
Concen: 57.766 ug/l  
RT: 2.834 min Scan# 212  
Delta R.T. 0.000 min  
Lab File: VD079779.D  
Acq: 04 Sep 2024 17:48

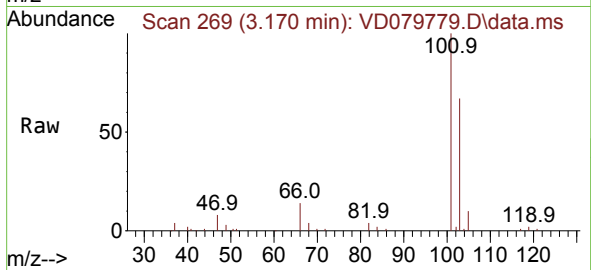
Tgt Ion: 64 Resp: 122133  
Ion Ratio Lower Upper  
64 100  
66 31.3 24.5 36.7



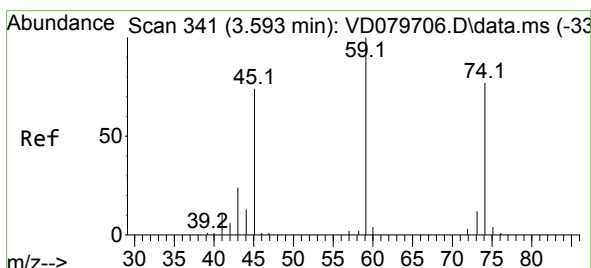
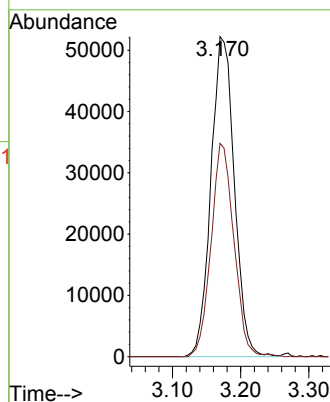
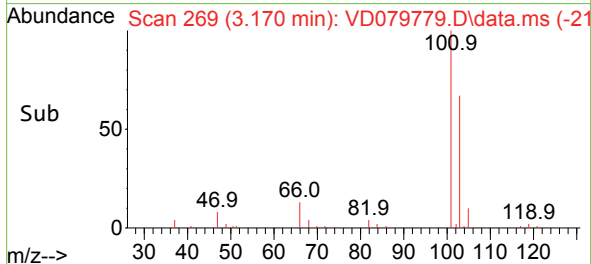


#7  
Trichlorofluoromethane  
Concen: 52.981 ug/l  
RT: 3.170 min Scan# 20  
Delta R.T. 0.000 min  
Lab File: VD079779.D  
Acq: 04 Sep 2024 17:48

Instrument :  
MSVOA\_D  
ClientSampleId :

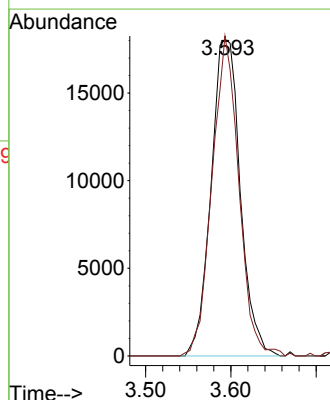
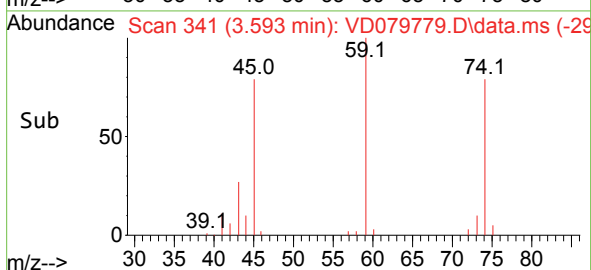
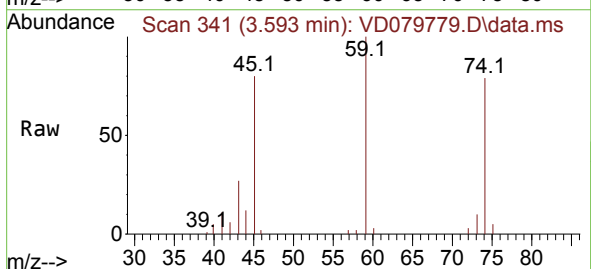


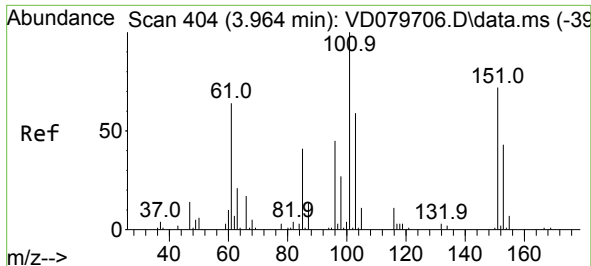
Tgt Ion:101 Resp: 124722  
Ion Ratio Lower Upper  
101 100  
103 66.7 53.2 79.8



#8  
Diethyl Ether  
Concen: 57.627 ug/l  
RT: 3.593 min Scan# 341  
Delta R.T. 0.000 min  
Lab File: VD079779.D  
Acq: 04 Sep 2024 17:48

Tgt Ion: 74 Resp: 43040  
Ion Ratio Lower Upper  
74 100  
45 92.5 37.9 113.6

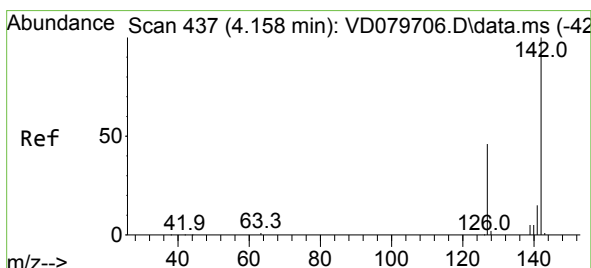
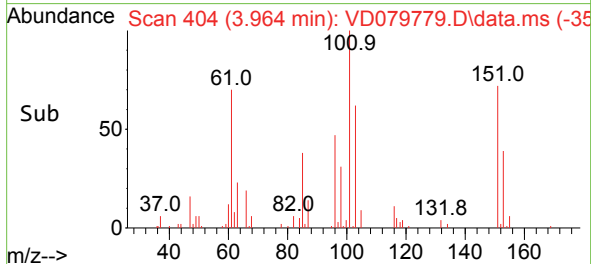
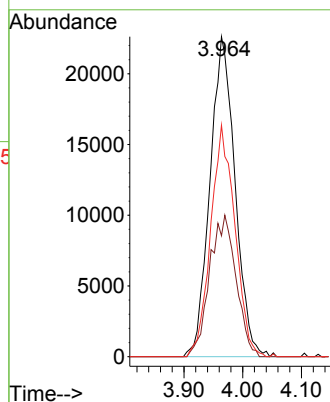
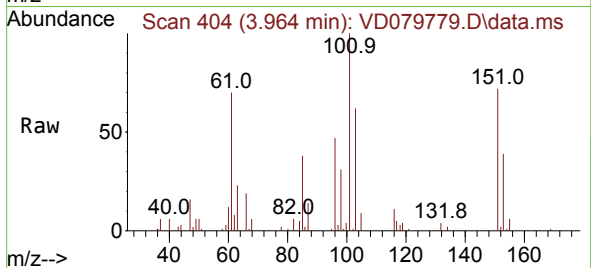




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 50.886 ug/l  
RT: 3.964 min Scan# 404  
Delta R.T. 0.000 min  
Lab File: VD079779.D  
Acq: 04 Sep 2024 17:48

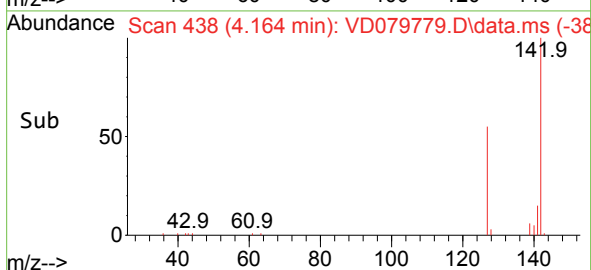
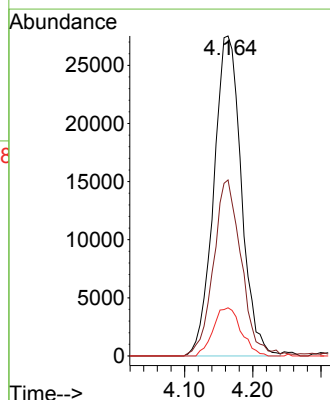
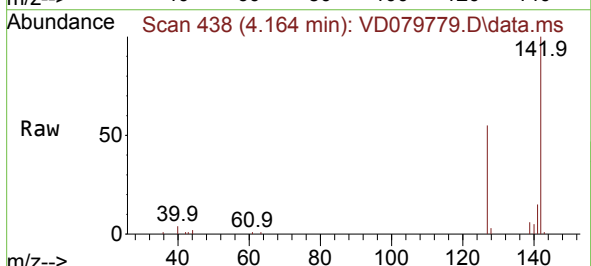
Instrument :  
MSVOA\_D  
ClientSampleId :

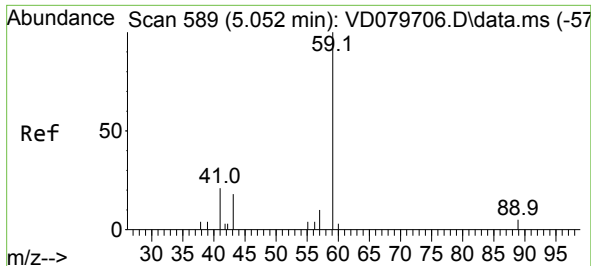
Tgt Ion:101 Resp: 67073  
Ion Ratio Lower Upper  
101 100  
85 46.7 33.5 50.3  
151 69.8 60.3 90.5



#10  
Methyl Iodide  
Concen: 50.984 ug/l  
RT: 4.164 min Scan# 438  
Delta R.T. 0.006 min  
Lab File: VD079779.D  
Acq: 04 Sep 2024 17:48

Tgt Ion:142 Resp: 77432  
Ion Ratio Lower Upper  
142 100  
127 55.6 34.2 51.4#  
141 15.3 11.7 17.5

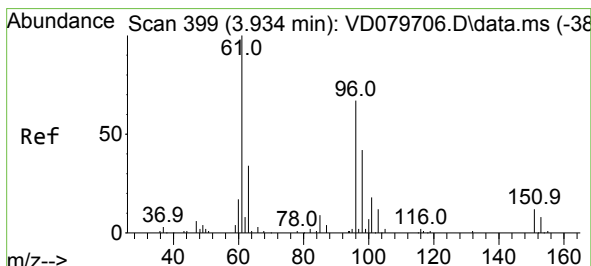
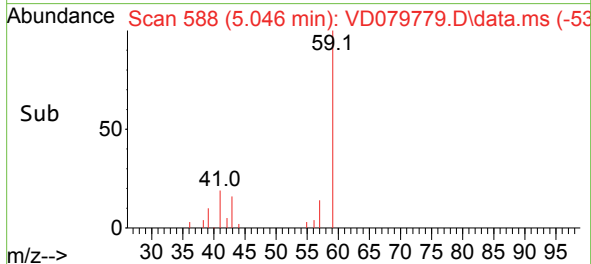
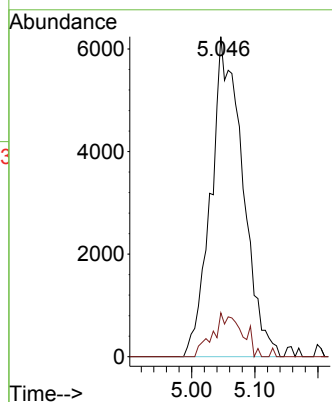
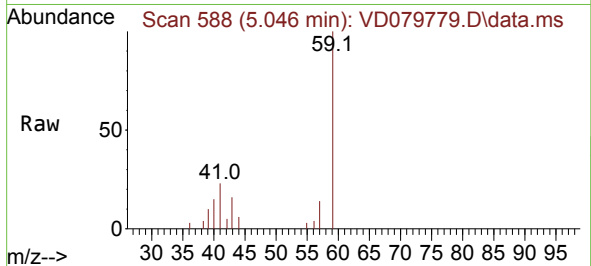




#11  
Tert butyl alcohol  
Concen: 313.085 ug/l  
RT: 5.046 min Scan# 51  
Delta R.T. -0.006 min  
Lab File: VD079779.D  
Acq: 04 Sep 2024 17:48

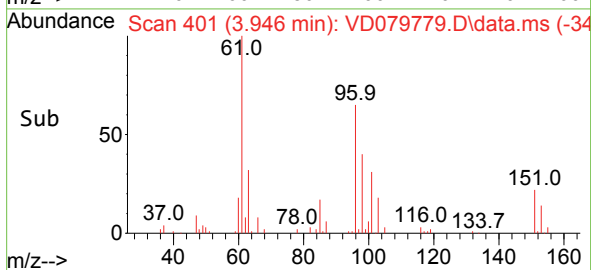
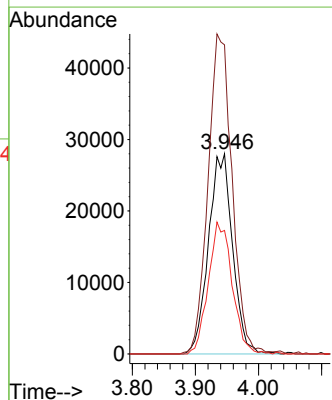
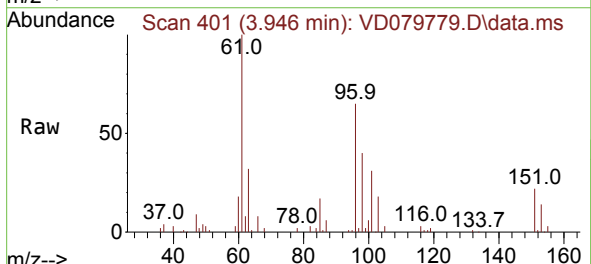
Instrument :  
MSVOA\_D  
ClientSampleId :

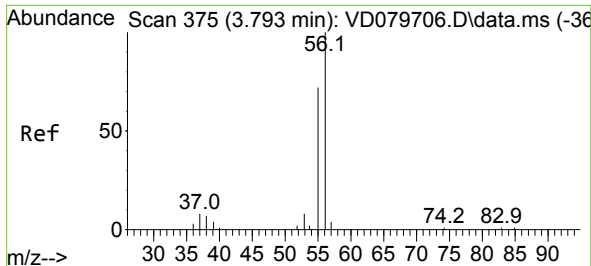
Tgt Ion: 59 Resp: 21786  
Ion Ratio Lower Upper  
59 100  
57 12.5 3.6 5.4#



#12  
1,1-Dichloroethene  
Concen: 53.676 ug/l  
RT: 3.946 min Scan# 401  
Delta R.T. 0.012 min  
Lab File: VD079779.D  
Acq: 04 Sep 2024 17:48

Tgt Ion: 96 Resp: 74282  
Ion Ratio Lower Upper  
96 100  
61 154.4 107.3 160.9  
98 61.7 51.7 77.5





#13

Acrolein

Concen: 185.552 ug/l

RT: 3.799 min Scan# 31

Delta R.T. 0.006 min

Lab File: VD079779.D

Acq: 04 Sep 2024 17:48

Instrument :

MSVOA\_D

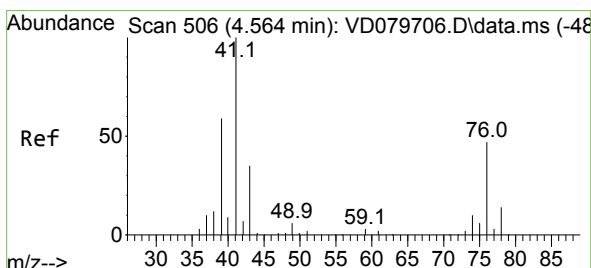
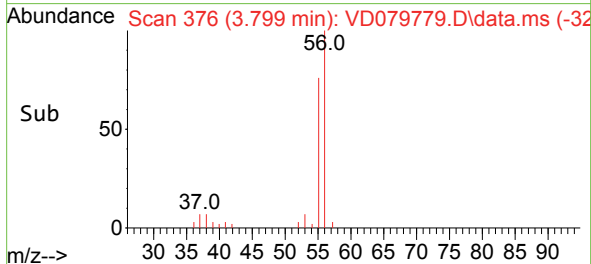
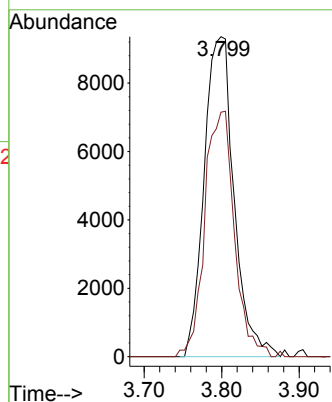
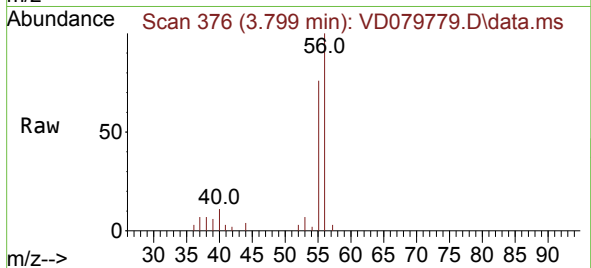
ClientSampleId :

Tgt Ion: 56 Resp: 25172

Ion Ratio Lower Upper

56 100

55 75.6 55.3 82.9



#14

Allyl chloride

Concen: 56.802 ug/l

RT: 4.564 min Scan# 506

Delta R.T. -0.000 min

Lab File: VD079779.D

Acq: 04 Sep 2024 17:48

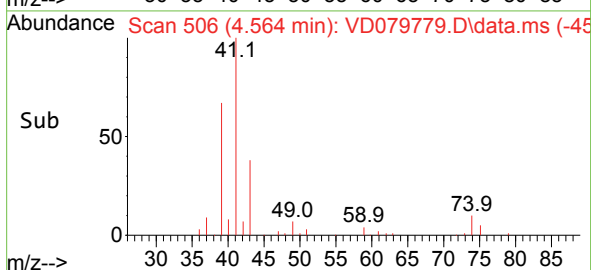
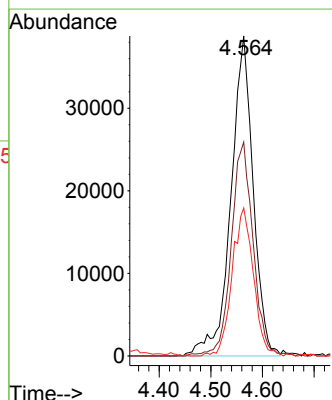
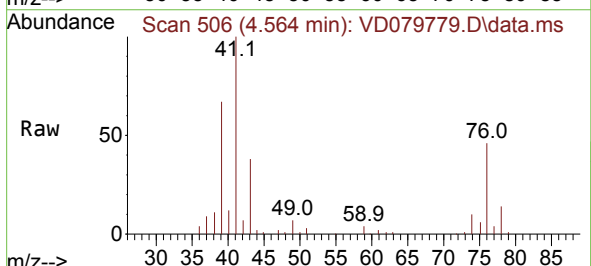
Tgt Ion: 41 Resp: 115808

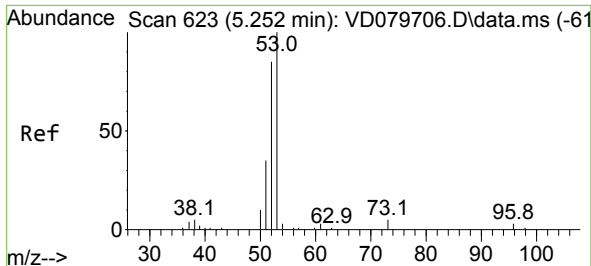
Ion Ratio Lower Upper

41 100

39 65.4 58.0 87.0

76 44.3 45.9 68.9#

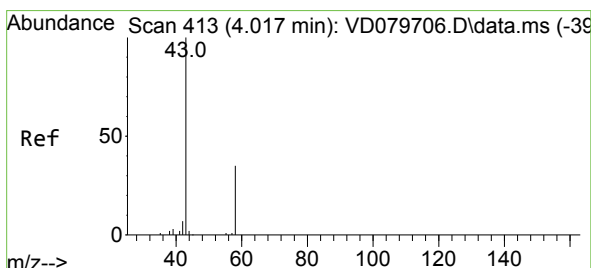
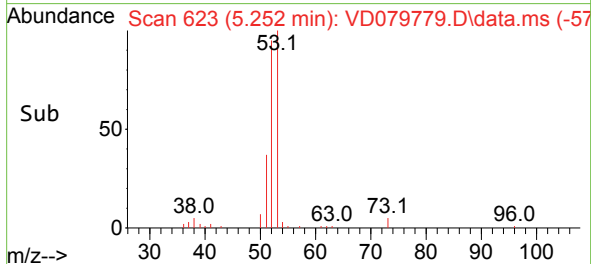
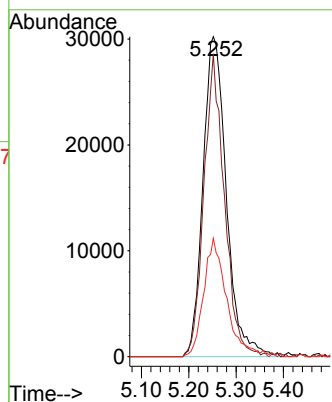
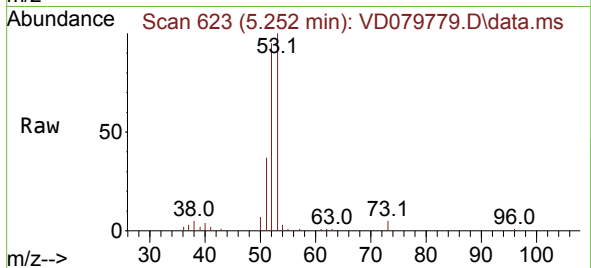




#15  
Acrylonitrile  
Concen: 308.218 ug/l  
RT: 5.252 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: VD079779.D  
Acq: 04 Sep 2024 17:48

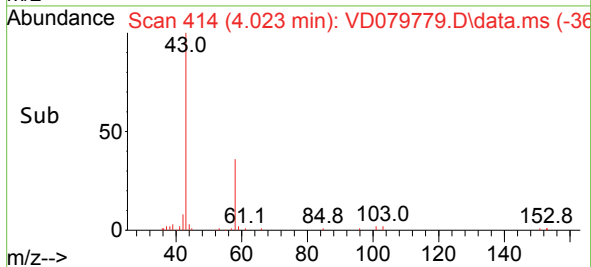
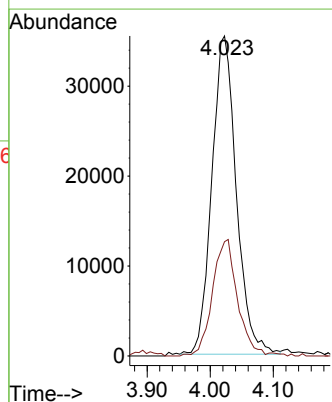
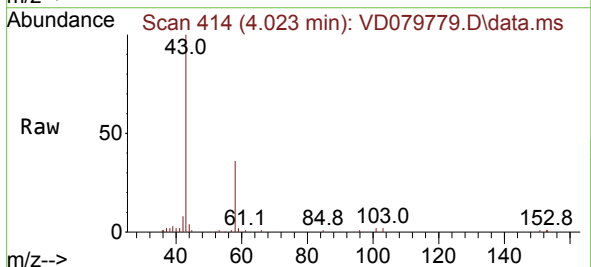
Instrument :  
MSVOA\_D  
ClientSampleId :

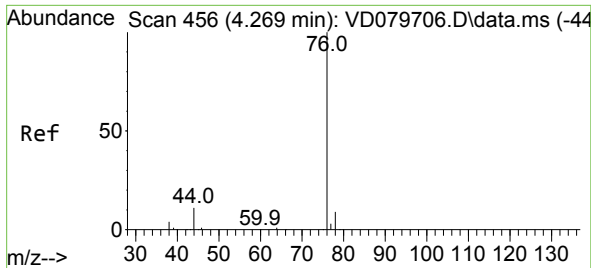
Tgt Ion: 53 Resp: 103803  
Ion Ratio Lower Upper  
53 100  
52 82.8 67.7 101.5  
51 36.0 28.6 42.8



#16  
Acetone  
Concen: 325.799 ug/l  
RT: 4.023 min Scan# 414  
Delta R.T. 0.005 min  
Lab File: VD079779.D  
Acq: 04 Sep 2024 17:48

Tgt Ion: 43 Resp: 95397  
Ion Ratio Lower Upper  
43 100  
58 35.9 30.4 45.6

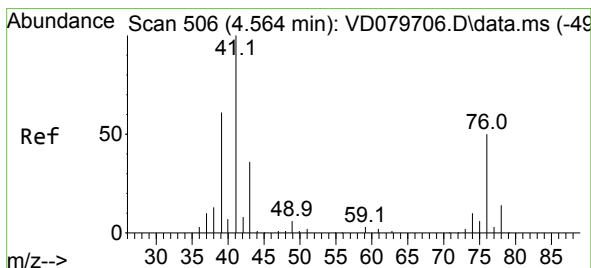
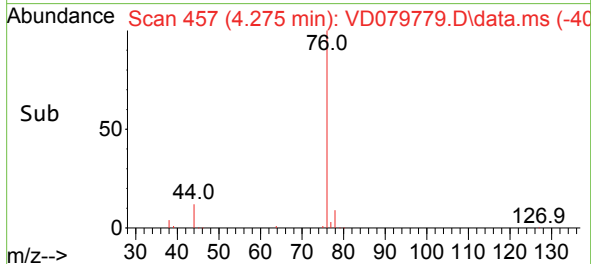
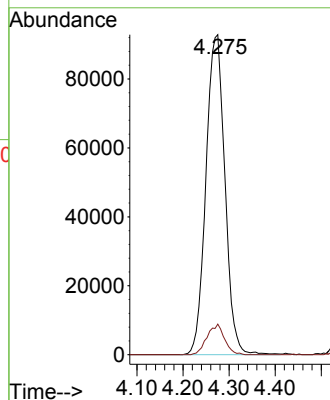
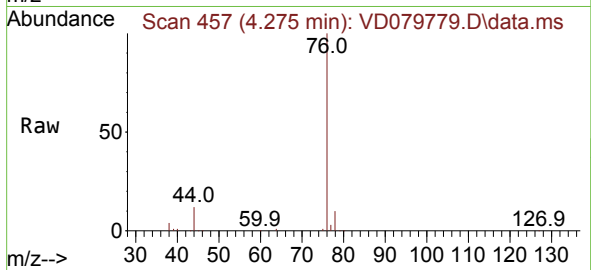




#17  
Carbon Disulfide  
Concen: 52.628 ug/l  
RT: 4.275 min Scan# 41  
Delta R.T. 0.006 min  
Lab File: VD079779.D  
Acq: 04 Sep 2024 17:48

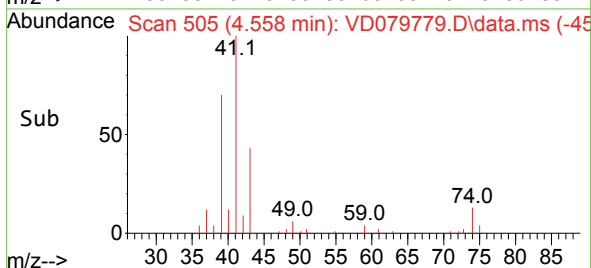
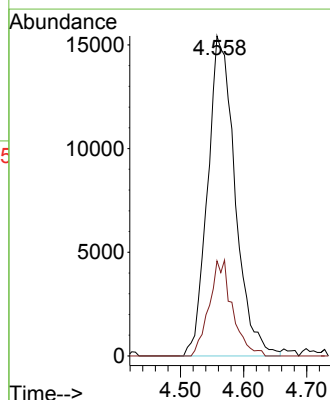
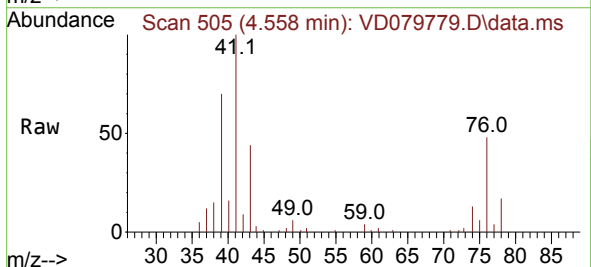
Instrument :  
MSVOA\_D  
ClientSampleId :

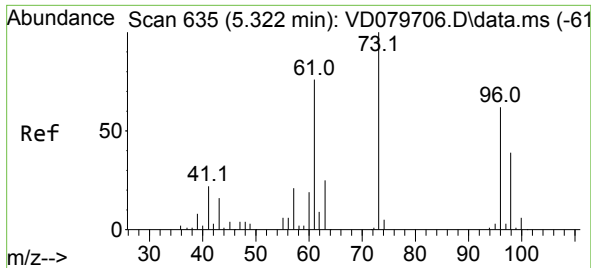
Tgt Ion: 76 Resp: 266315  
Ion Ratio Lower Upper  
76 100  
78 9.6 6.9 10.3



#18  
Methyl Acetate  
Concen: 55.498 ug/l  
RT: 4.558 min Scan# 505  
Delta R.T. -0.006 min  
Lab File: VD079779.D  
Acq: 04 Sep 2024 17:48

Tgt Ion: 43 Resp: 46581  
Ion Ratio Lower Upper  
43 100  
74 25.4 28.1 42.1#

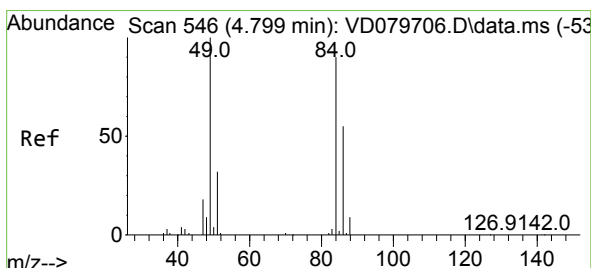
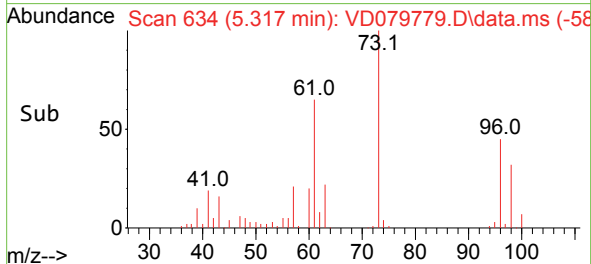
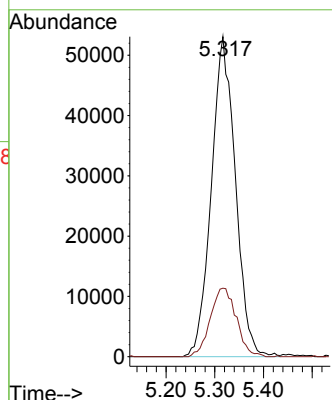
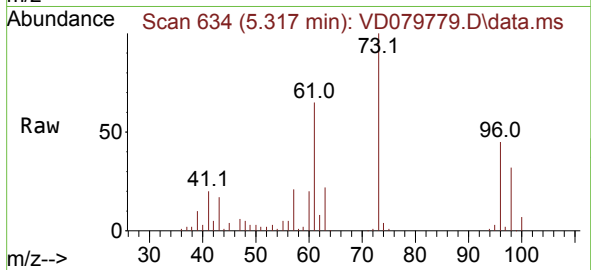




#19  
Methyl tert-butyl Ether  
Concen: 60.101 ug/l  
RT: 5.317 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: VD079779.D  
Acq: 04 Sep 2024 17:48

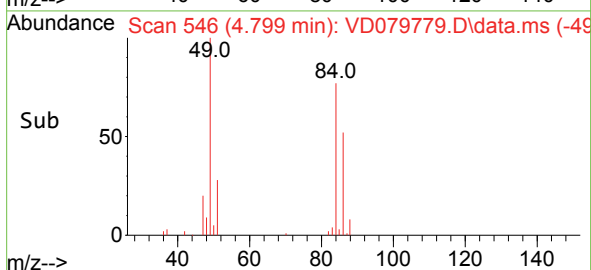
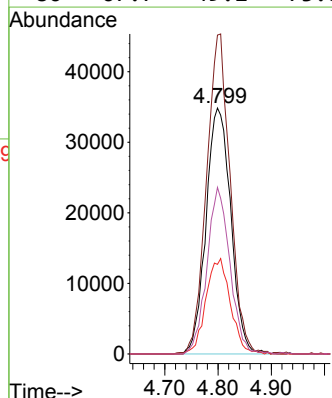
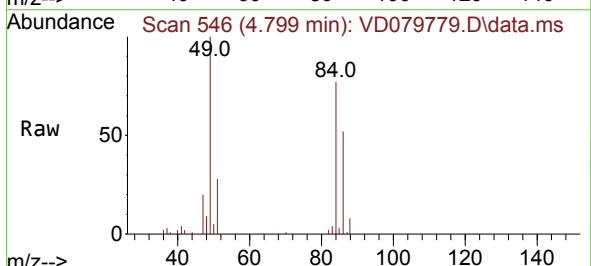
Instrument :  
MSVOA\_D  
ClientSampleId :

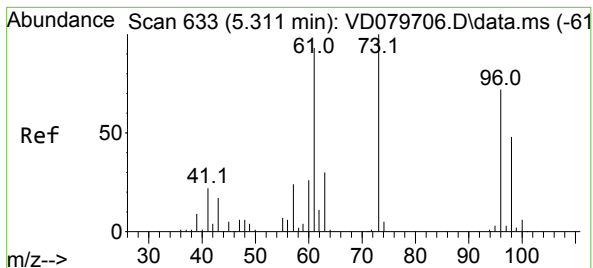
Tgt Ion: 73 Resp: 182023  
Ion Ratio Lower Upper  
73 100  
57 21.4 18.3 27.5



#20  
Methylene Chloride  
Concen: 64.656 ug/l  
RT: 4.799 min Scan# 546  
Delta R.T. -0.000 min  
Lab File: VD079779.D  
Acq: 04 Sep 2024 17:48

Tgt Ion: 84 Resp: 112681  
Ion Ratio Lower Upper  
84 100  
49 129.0 75.6 113.4#  
51 36.4 24.2 36.2#  
86 67.7 49.2 73.8





#21

trans-1,2-Dichloroethene

Concen: 55.775 ug/l

RT: 5.305 min Scan# 61

Delta R.T. -0.006 min

Lab File: VD079779.D

Acq: 04 Sep 2024 17:48

Instrument :

MSVOA\_D

ClientSampleId :

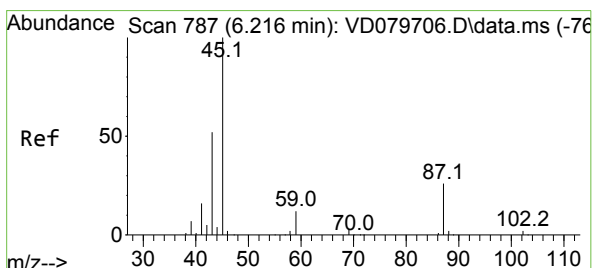
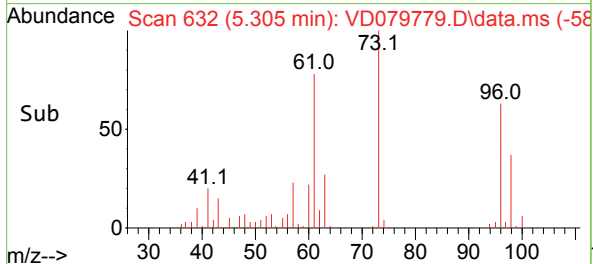
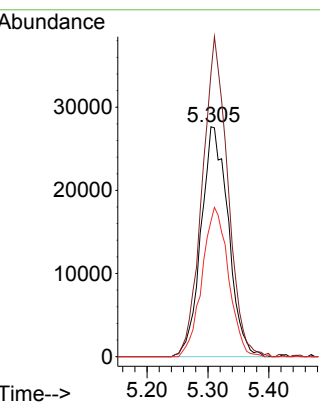
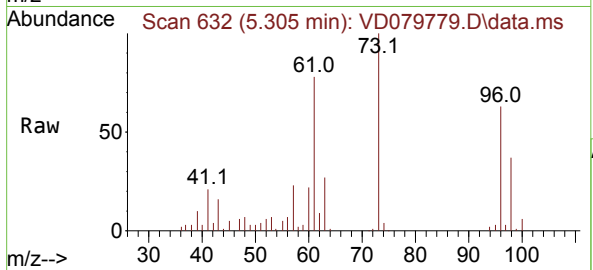
Tgt Ion: 96 Resp: 85667

Ion Ratio Lower Upper

96 100

61 123.1 84.5 126.7

98 58.9 50.5 75.7



#22

Diisopropyl ether

Concen: 62.748 ug/l

RT: 6.216 min Scan# 787

Delta R.T. 0.000 min

Lab File: VD079779.D

Acq: 04 Sep 2024 17:48

Tgt Ion: 45 Resp: 269239

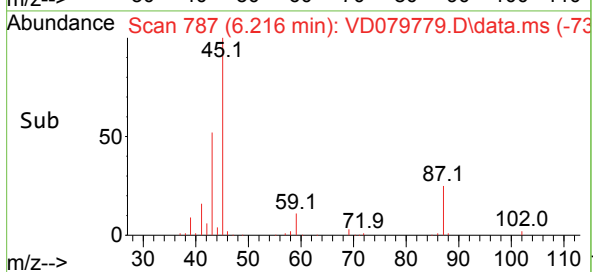
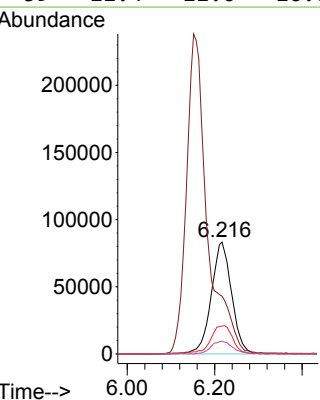
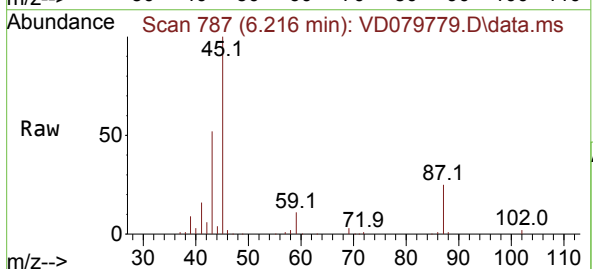
Ion Ratio Lower Upper

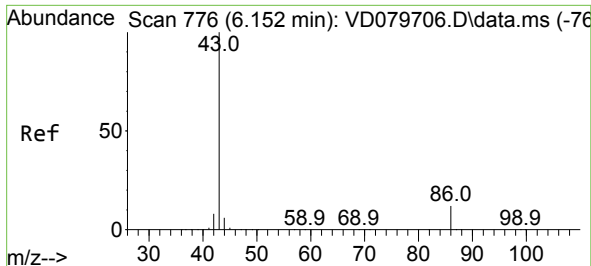
45 100

43 51.0 41.7 62.5

87 24.9 30.2 45.2#

59 11.4 11.0 16.6

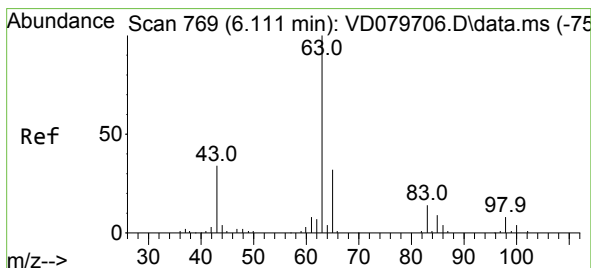
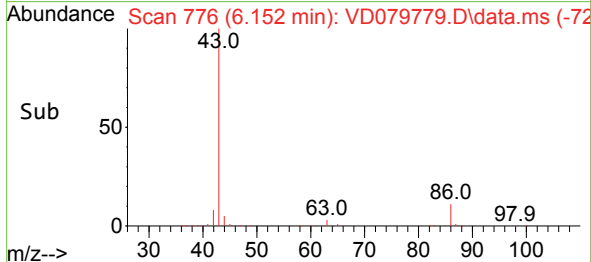
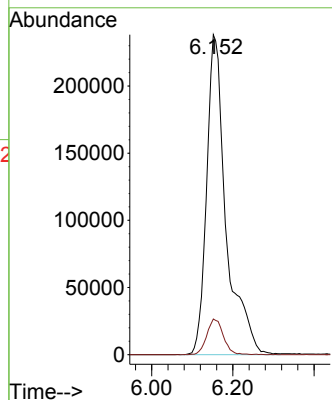
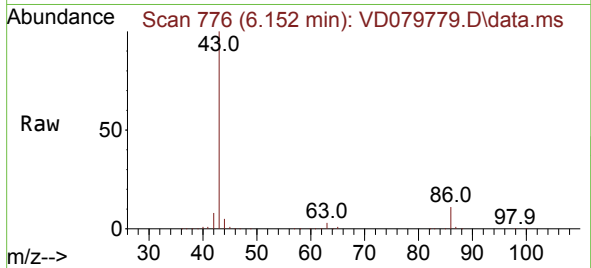




#23  
 Vinyl Acetate  
 Concen: 313.114 ug/l  
 RT: 6.152 min Scan# 776  
 Delta R.T. -0.000 min  
 Lab File: VD079779.D  
 Acq: 04 Sep 2024 17:48

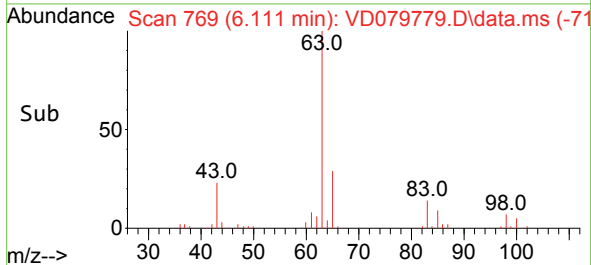
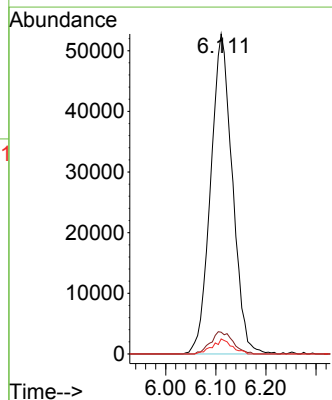
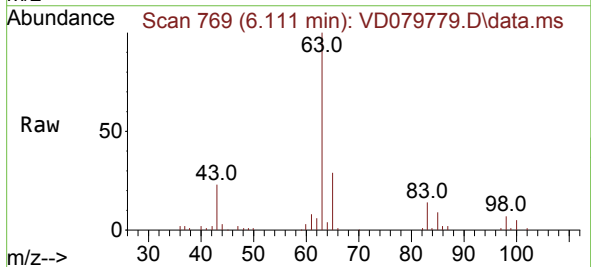
Instrument :  
 MSVOA\_D  
 ClientSampleId :

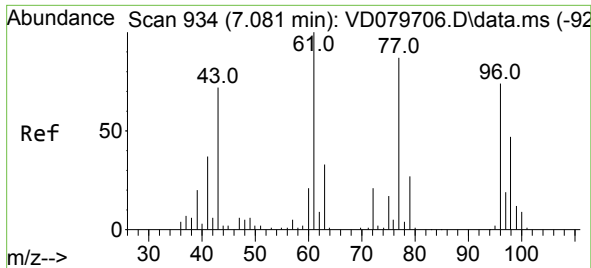
Tgt Ion: 43 Resp: 791576  
 Ion Ratio Lower Upper  
 43 100  
 86 11.1 12.3 18.5#



#24  
 1,1-Dichloroethane  
 Concen: 56.607 ug/l  
 RT: 6.111 min Scan# 769  
 Delta R.T. 0.000 min  
 Lab File: VD079779.D  
 Acq: 04 Sep 2024 17:48

Tgt Ion: 63 Resp: 158829  
 Ion Ratio Lower Upper  
 63 100  
 98 6.8 4.7 14.0  
 100 4.7 2.9 8.6

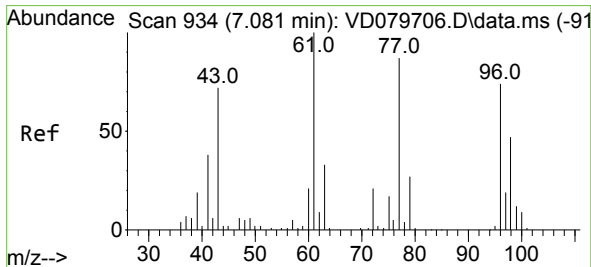
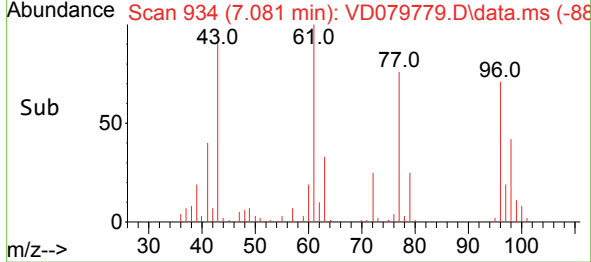
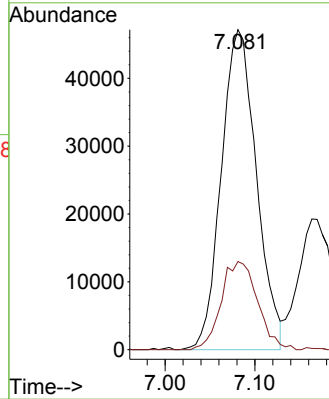
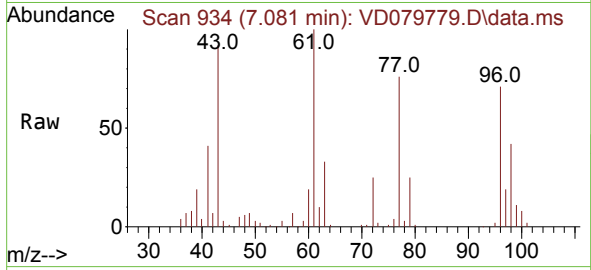




#25  
2-Butanone  
Concen: 328.546 ug/l  
RT: 7.081 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VD079779.D  
Acq: 04 Sep 2024 17:48

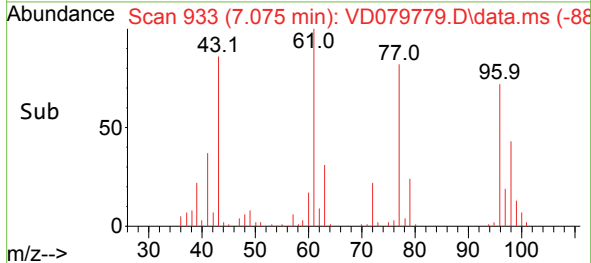
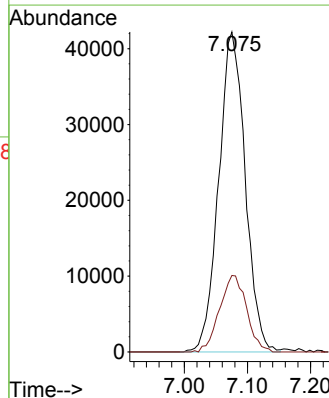
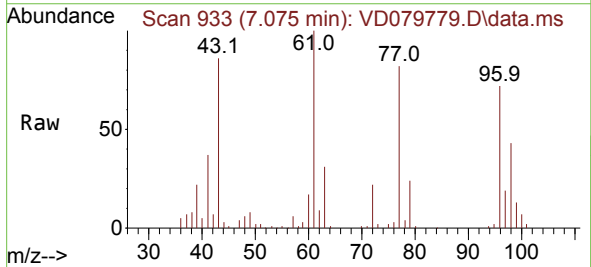
Instrument :  
MSVOA\_D  
ClientSampleId :

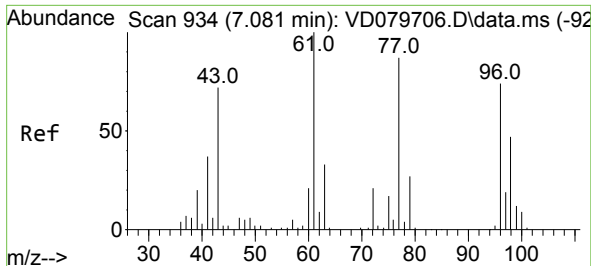
Tgt Ion: 43 Resp: 128341  
Ion Ratio Lower Upper  
43 100  
72 27.6 26.4 39.6



#26  
2,2-Dichloropropane  
Concen: 56.372 ug/l  
RT: 7.075 min Scan# 933  
Delta R.T. -0.006 min  
Lab File: VD079779.D  
Acq: 04 Sep 2024 17:48

Tgt Ion: 77 Resp: 123062  
Ion Ratio Lower Upper  
77 100  
97 24.3 12.4 37.2





#27

cis-1,2-Dichloroethene

Concen: 57.196 ug/l

RT: 7.075 min Scan# 91

Delta R.T. -0.006 min

Lab File: VD079779.D

Acq: 04 Sep 2024 17:48

Instrument :

MSVOA\_D

ClientSampleId :

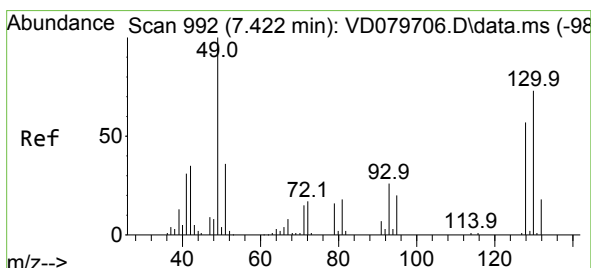
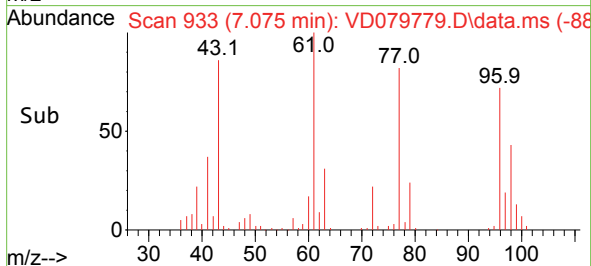
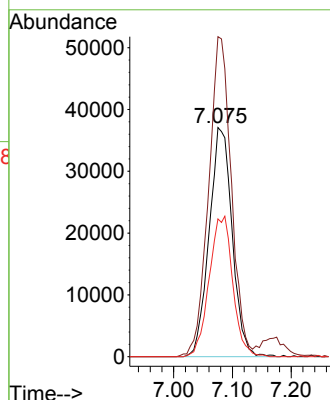
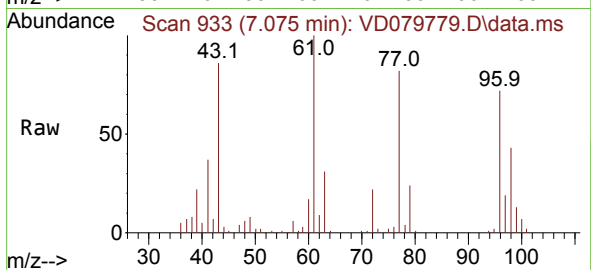
Tgt Ion: 96 Resp: 100757

Ion Ratio Lower Upper

96 100

61 137.5 0.0 229.0

98 62.8 0.0 127.2



#28

Bromochloromethane

Concen: 61.285 ug/l

RT: 7.422 min Scan# 992

Delta R.T. 0.000 min

Lab File: VD079779.D

Acq: 04 Sep 2024 17:48

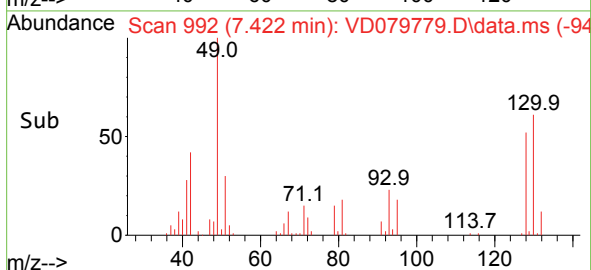
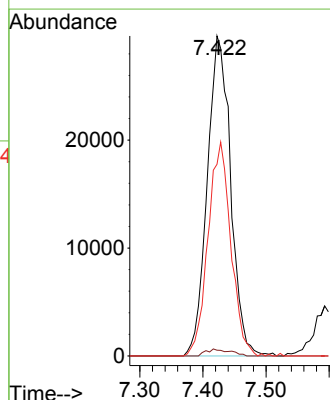
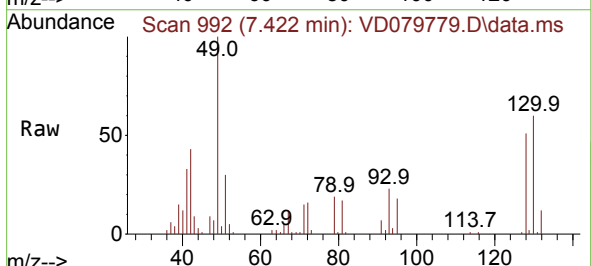
Tgt Ion: 49 Resp: 76429

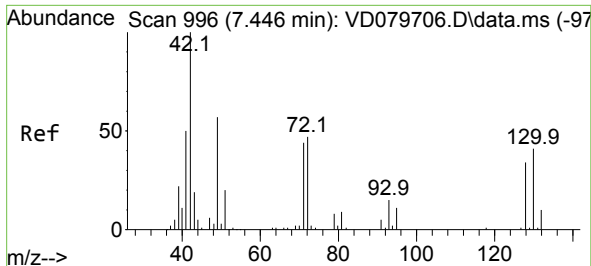
Ion Ratio Lower Upper

49 100

129 2.2 0.0 7.0

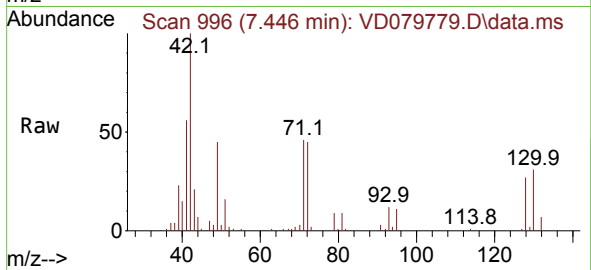
130 65.3 87.7 131.5#



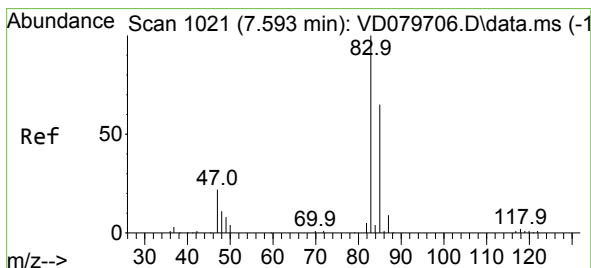
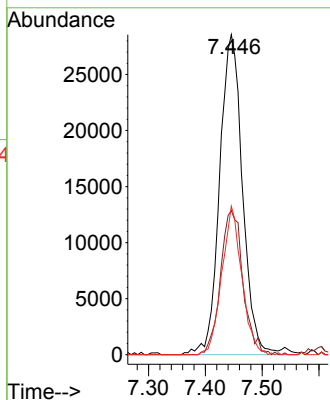
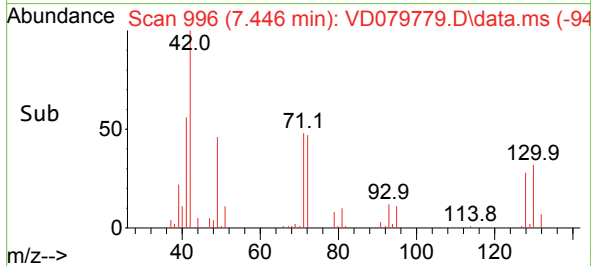


#29  
Tetrahydrofuran  
Concen: 330.128 ug/l  
RT: 7.446 min Scan# 996  
Delta R.T. 0.000 min  
Lab File: VD079779.D  
Acq: 04 Sep 2024 17:48

Instrument :  
MSVOA\_D  
ClientSampleId :

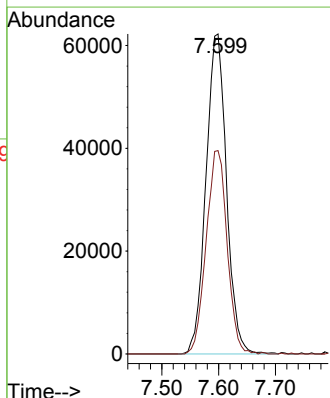
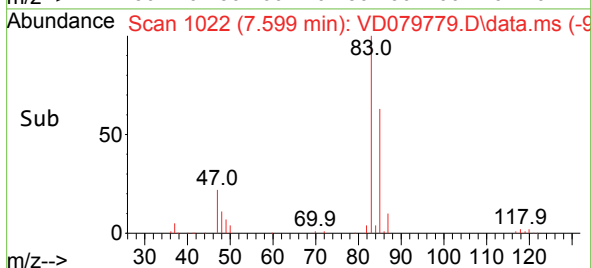
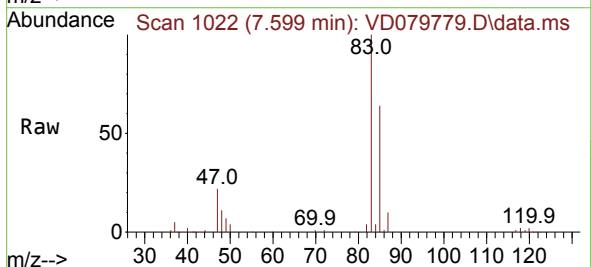


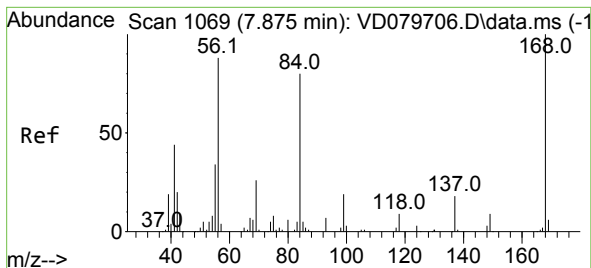
Tgt Ion: 42 Resp: 79765  
Ion Ratio Lower Upper  
42 100  
72 44.3 49.4 74.0#  
71 40.8 45.0 67.6#



#30  
Chloroform  
Concen: 56.059 ug/l  
RT: 7.599 min Scan# 1022  
Delta R.T. 0.006 min  
Lab File: VD079779.D  
Acq: 04 Sep 2024 17:48

Tgt Ion: 83 Resp: 156148  
Ion Ratio Lower Upper  
83 100  
85 63.5 51.8 77.6





#31

Cyclohexane

Concen: 54.382 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD079779.D

Acq: 04 Sep 2024 17:48

Instrument :

MSVOA\_D

ClientSampleId :

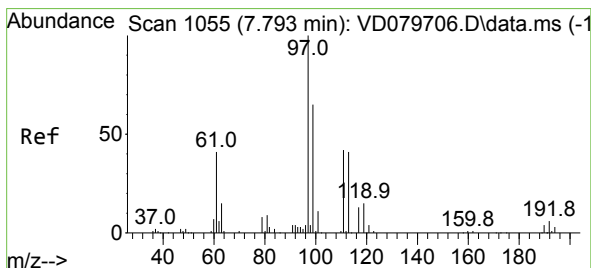
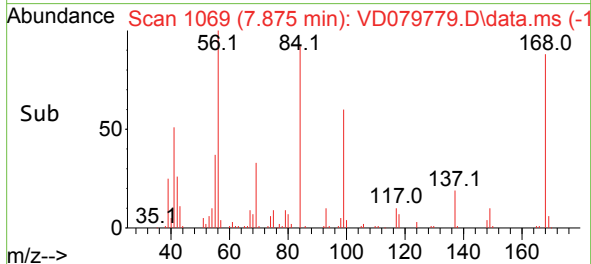
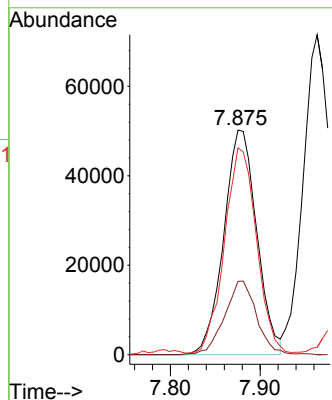
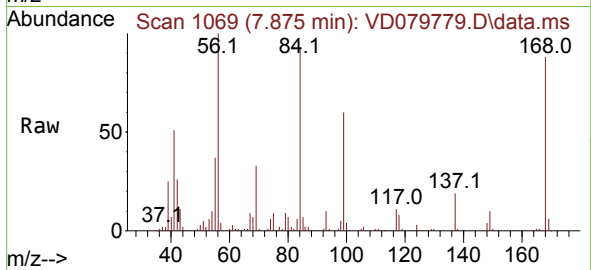
Tgt Ion: 56 Resp: 128279

Ion Ratio Lower Upper

56 100

69 32.6 28.0 42.0

84 90.7 87.4 131.0



#32

1,1,1-Trichloroethane

Concen: 55.400 ug/l

RT: 7.793 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VD079779.D

Acq: 04 Sep 2024 17:48

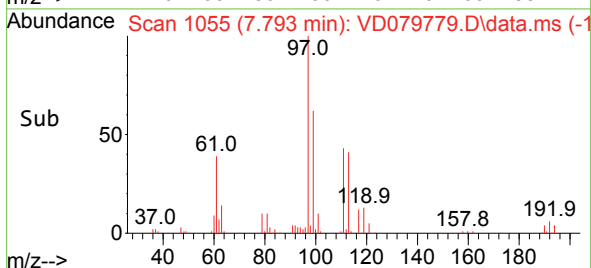
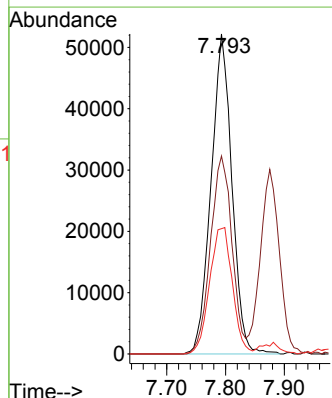
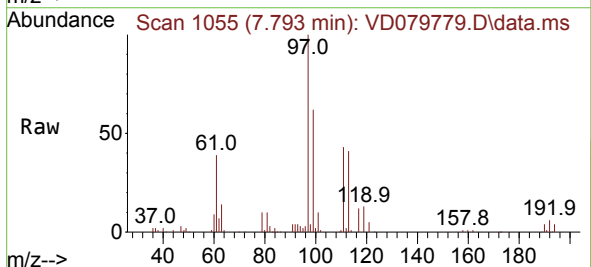
Tgt Ion: 97 Resp: 128530

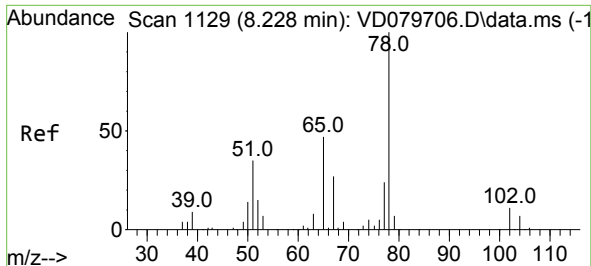
Ion Ratio Lower Upper

97 100

99 63.9 51.3 76.9

61 43.2 31.4 47.2





#33

1,2-Dichloroethane-d4

Concen: 59.502 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD079779.D

Acq: 04 Sep 2024 17:48

Instrument :

MSVOA\_D

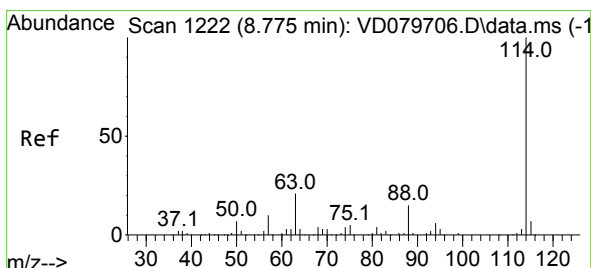
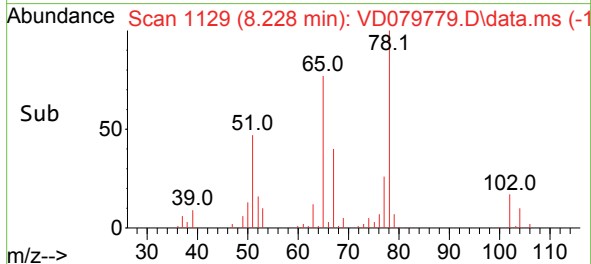
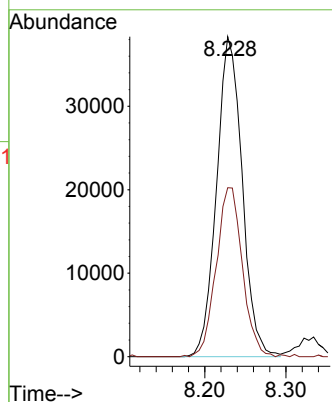
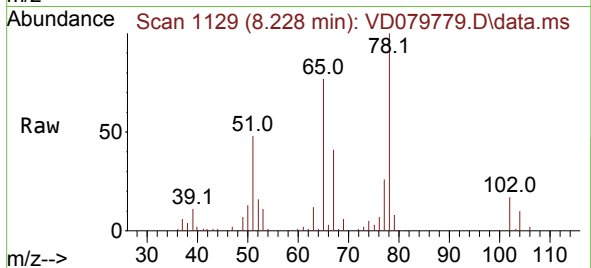
ClientSampleId :

Tgt Ion: 65 Resp: 83957

Ion Ratio Lower Upper

65 100

67 54.0 0.0 111.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD079779.D

Acq: 04 Sep 2024 17:48

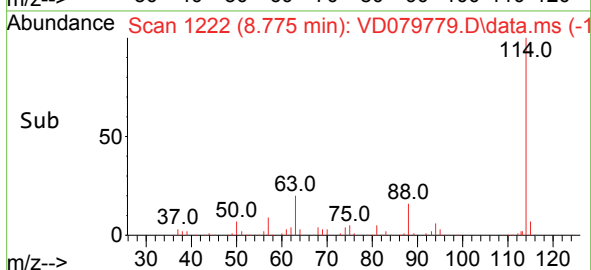
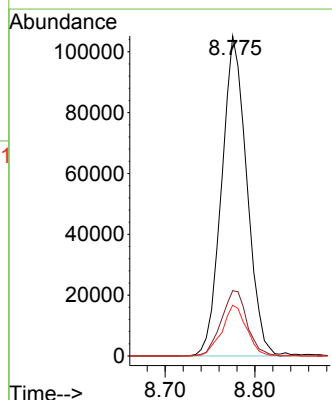
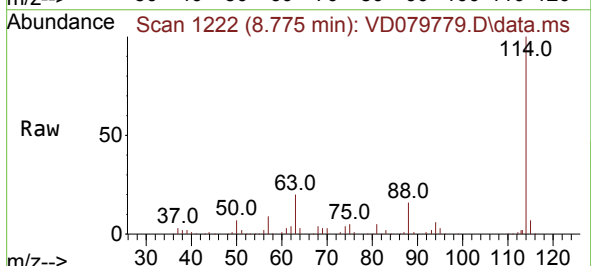
Tgt Ion: 114 Resp: 204809

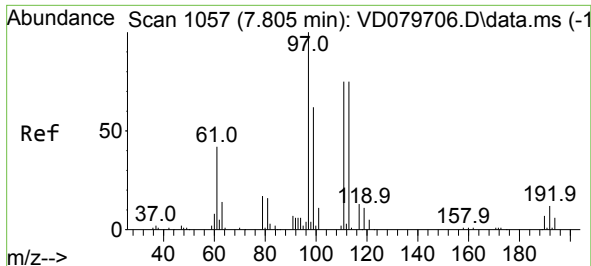
Ion Ratio Lower Upper

114 100

63 20.4 0.0 34.0

88 15.9 0.0 27.2





#35

Dibromofluoromethane

Concen: 55.574 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

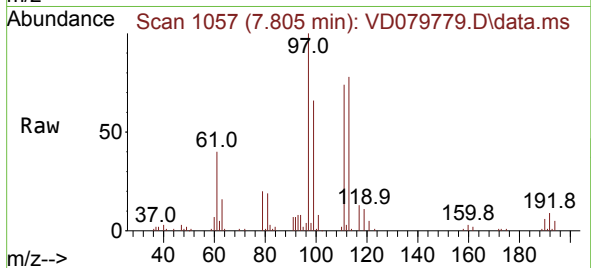
Lab File: VD079779.D

Acq: 04 Sep 2024 17:48

Instrument :

MSVOA\_D

ClientSampleId :



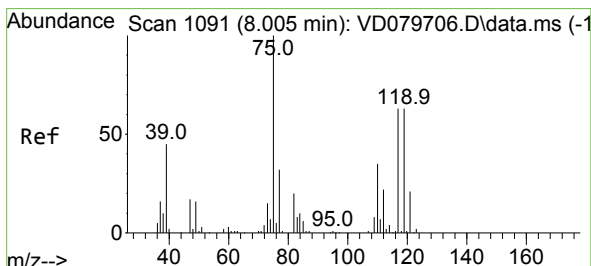
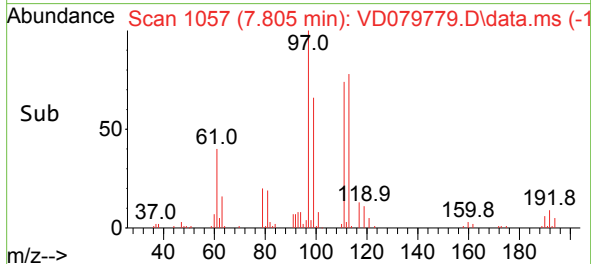
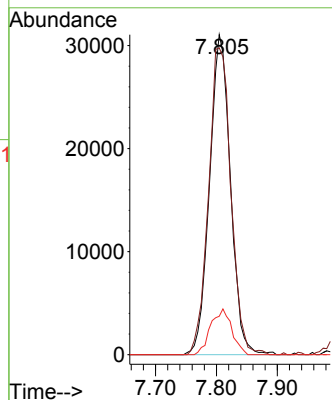
Tgt Ion:113 Resp: 73983

Ion Ratio Lower Upper

113 100

111 102.9 84.0 126.0

192 14.4 15.4 23.0#



#36

1,1-Dichloropropene

Concen: 57.397 ug/l

RT: 8.005 min Scan# 1091

Delta R.T. 0.000 min

Lab File: VD079779.D

Acq: 04 Sep 2024 17:48

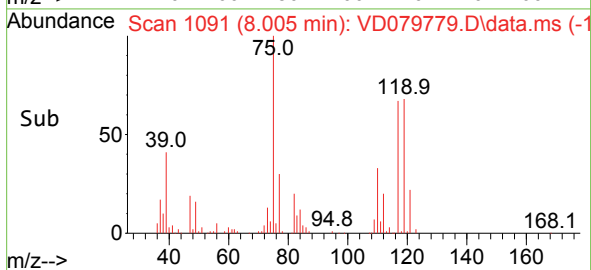
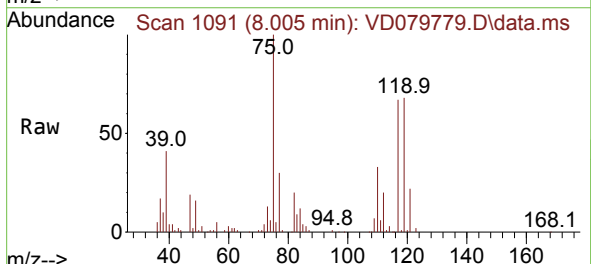
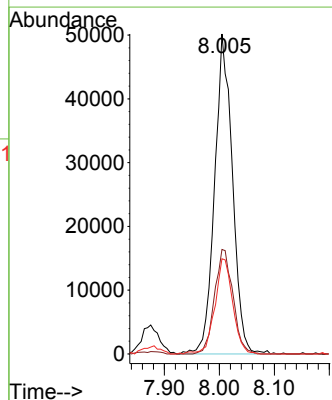
Tgt Ion: 75 Resp: 113253

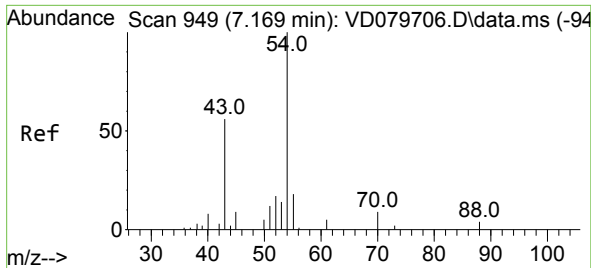
Ion Ratio Lower Upper

75 100

110 33.6 19.6 58.7

77 29.8 26.1 39.1

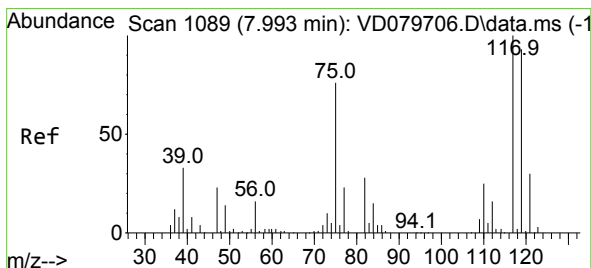
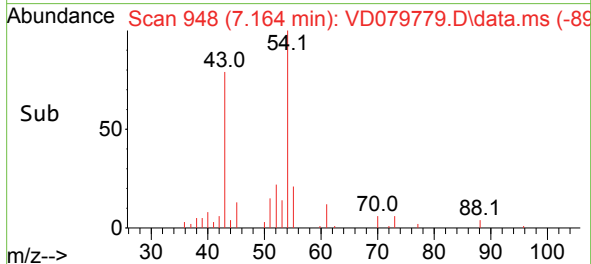
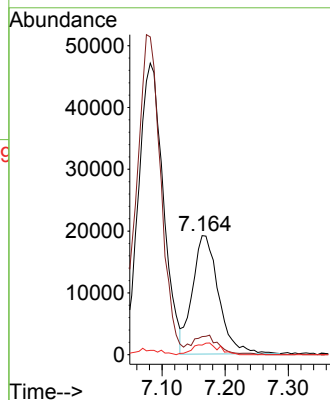
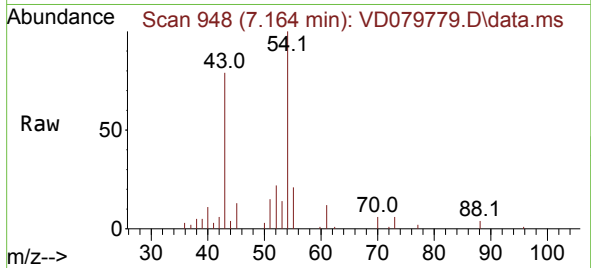




#37  
Ethyl Acetate  
Concen: 62.975 ug/l  
RT: 7.164 min Scan# 949  
Delta R.T. -0.006 min  
Lab File: VD079779.D  
Acq: 04 Sep 2024 17:48

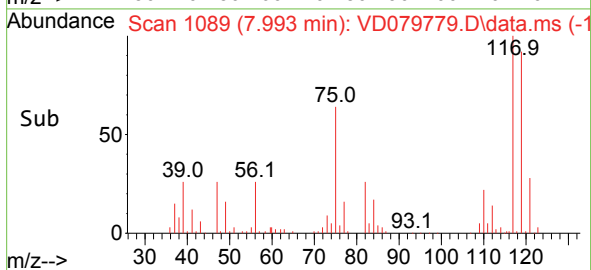
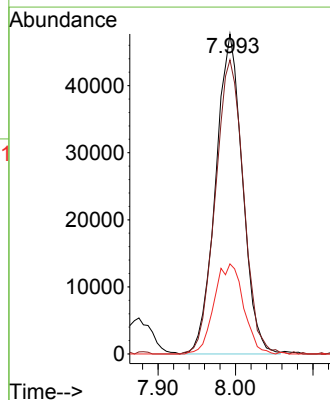
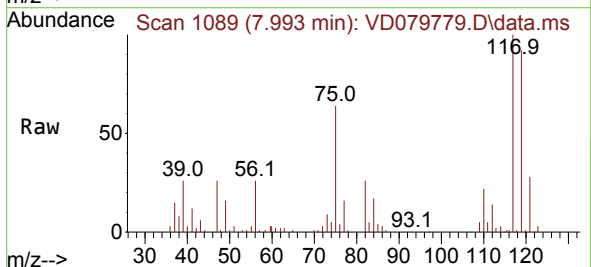
Instrument :  
MSVOA\_D  
ClientSampleId :

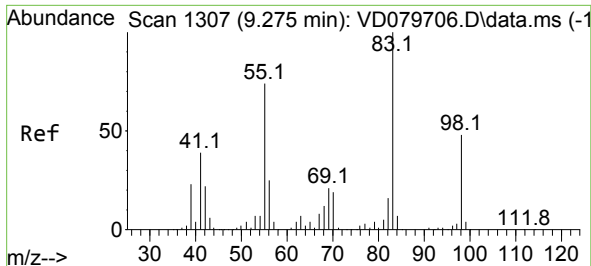
Tgt Ion: 43 Resp: 54911  
Ion Ratio Lower Upper  
43 100  
61 16.8 13.9 20.9  
70 9.5 9.8 14.6#



#38  
Carbon Tetrachloride  
Concen: 54.653 ug/l  
RT: 7.993 min Scan# 1089  
Delta R.T. 0.000 min  
Lab File: VD079779.D  
Acq: 04 Sep 2024 17:48

Tgt Ion: 117 Resp: 115010  
Ion Ratio Lower Upper  
117 100  
119 91.9 75.4 113.0  
121 28.1 25.0 37.4





#39

Methylcyclohexane

Concen: 57.129 ug/l

RT: 9.275 min Scan# 11307

Delta R.T. 0.000 min

Lab File: VD079779.D

Acq: 04 Sep 2024 17:48

Instrument :

MSVOA\_D

ClientSampleId :

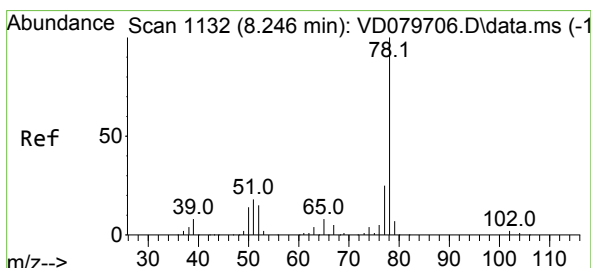
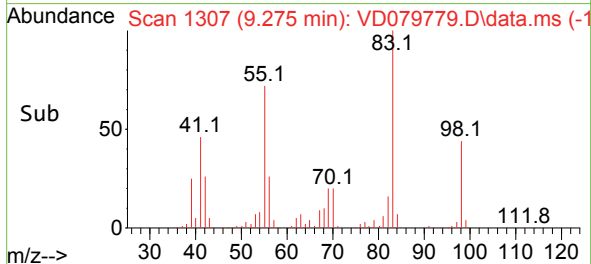
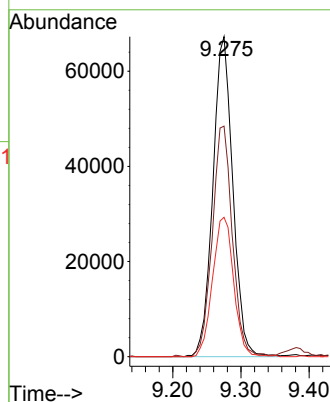
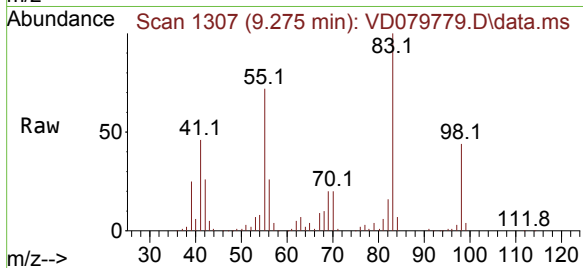
Tgt Ion: 83 Resp: 137273

Ion Ratio Lower Upper

83 100

55 71.8 50.1 75.1

98 43.6 41.9 62.9



#40

Benzene

Concen: 56.148 ug/l

RT: 8.252 min Scan# 1133

Delta R.T. 0.006 min

Lab File: VD079779.D

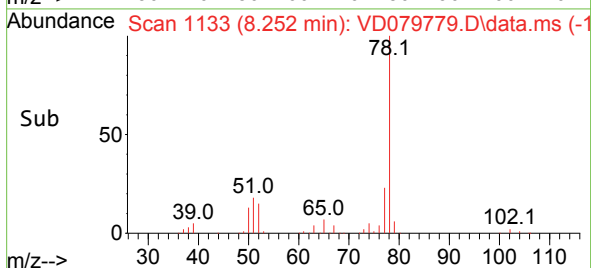
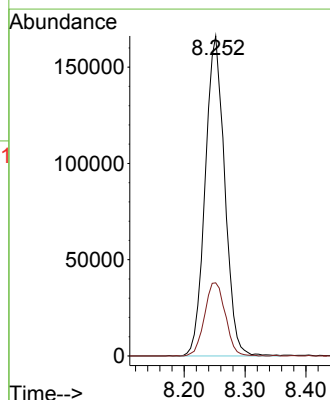
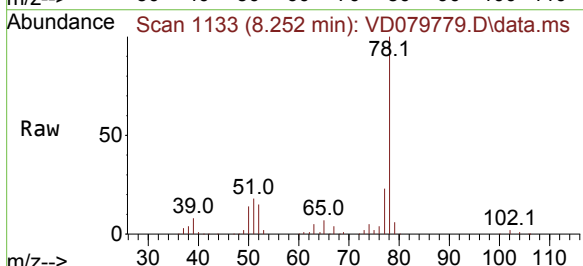
Acq: 04 Sep 2024 17:48

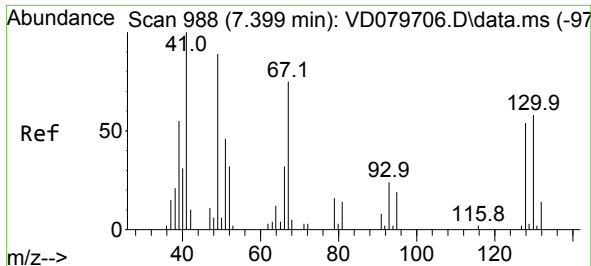
Tgt Ion: 78 Resp: 369479

Ion Ratio Lower Upper

78 100

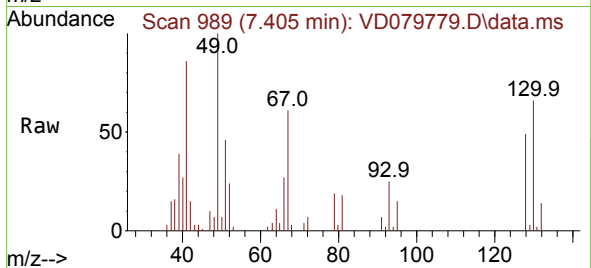
77 22.8 18.1 27.1



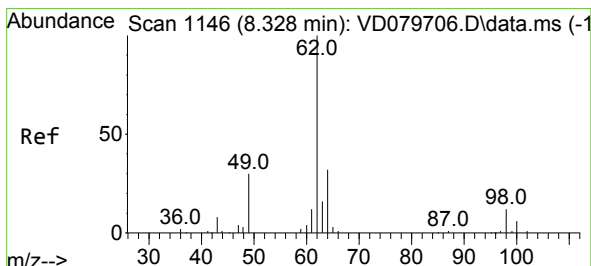
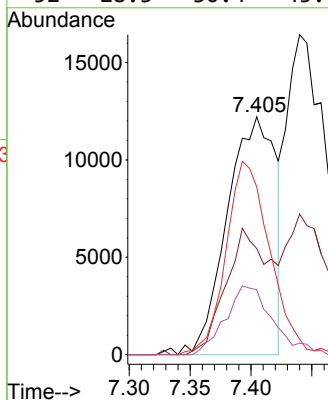
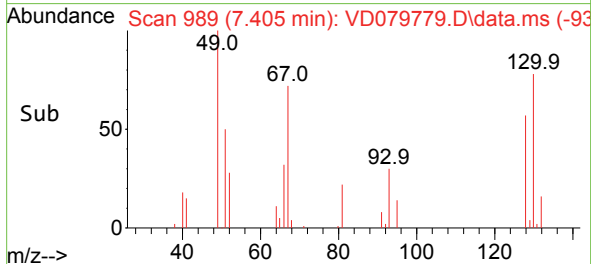


#41  
Methacrylonitrile  
Concen: 67.720 ug/l  
RT: 7.405 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VD079779.D  
Acq: 04 Sep 2024 17:48

Instrument :  
MSVOA\_D  
ClientSampleId :

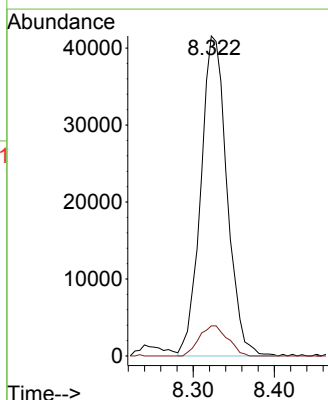
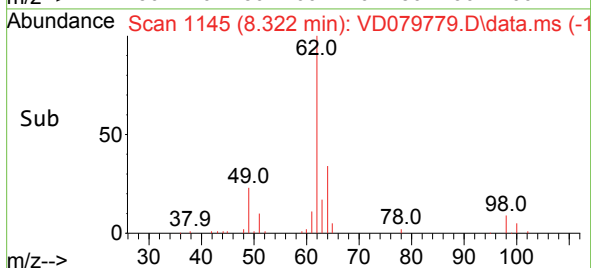
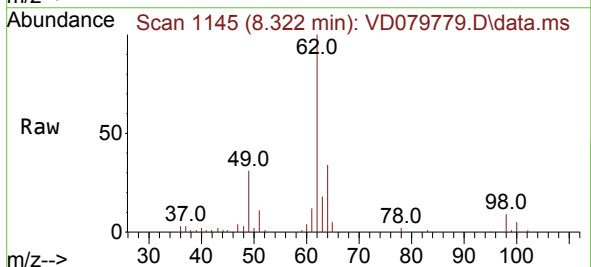


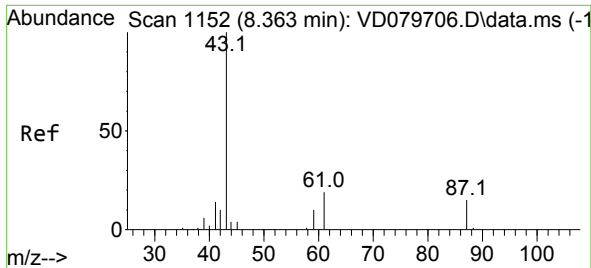
Tgt Ion: 41 Resp: 33790  
Ion Ratio Lower Upper  
41 100  
39 48.9 41.4 62.0  
67 74.0 85.8 128.6#  
52 28.3 30.4 45.6#



#42  
1,2-Dichloroethane  
Concen: 57.731 ug/l  
RT: 8.322 min Scan# 1145  
Delta R.T. -0.006 min  
Lab File: VD079779.D  
Acq: 04 Sep 2024 17:48

Tgt Ion: 62 Resp: 93171  
Ion Ratio Lower Upper  
62 100  
98 10.3 0.0 25.8

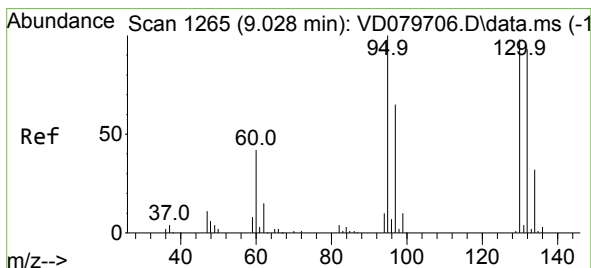
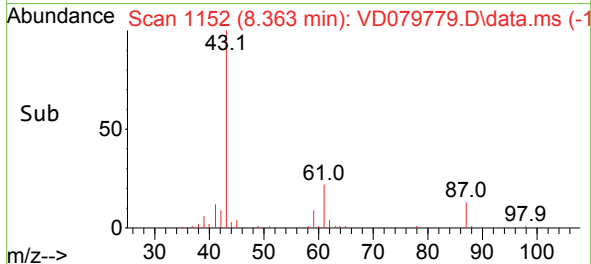
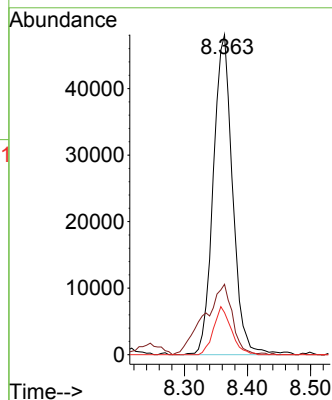
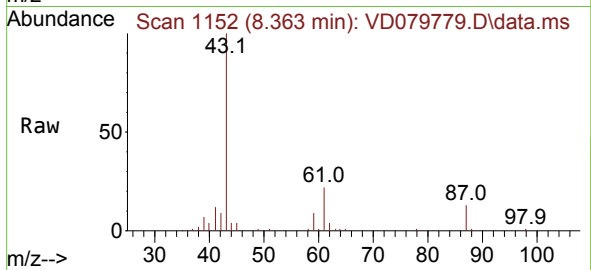




#43  
Isopropyl Acetate  
Concen: 62.656 ug/l  
RT: 8.363 min Scan# 1152  
Delta R.T. 0.000 min  
Lab File: VD079779.D  
Acq: 04 Sep 2024 17:48

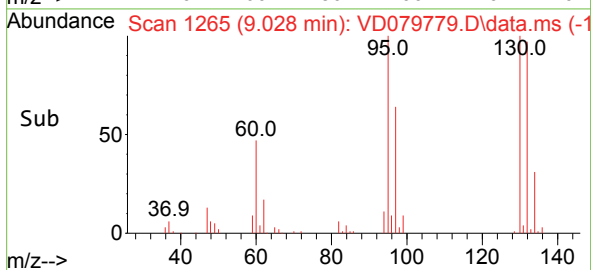
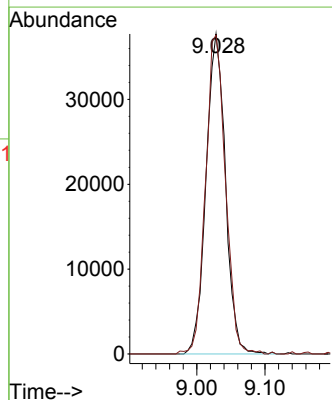
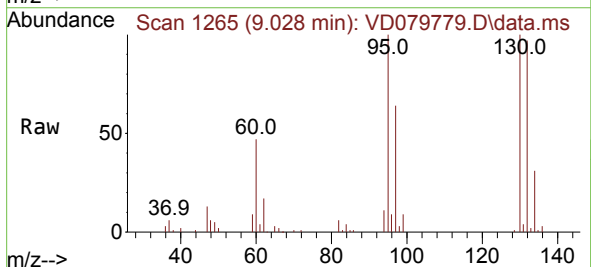
Instrument :  
MSVOA\_D  
ClientSampleId :

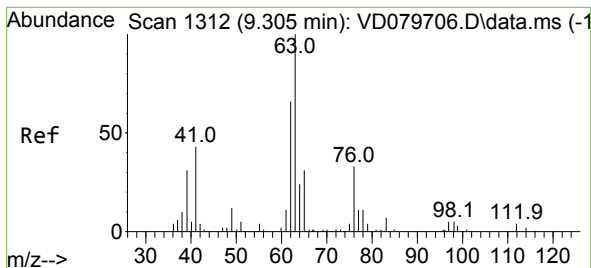
Tgt Ion: 43 Resp: 101923  
Ion Ratio Lower Upper  
43 100  
61 32.0 29.3 43.9  
87 13.8 14.9 22.3#



#44  
Trichloroethene  
Concen: 53.201 ug/l  
RT: 9.028 min Scan# 1265  
Delta R.T. 0.000 min  
Lab File: VD079779.D  
Acq: 04 Sep 2024 17:48

Tgt Ion:130 Resp: 74714  
Ion Ratio Lower Upper  
130 100  
95 99.6 0.0 177.8





#45

1,2-Dichloropropane

Concen: 57.375 ug/l

RT: 9.305 min Scan# 1312

Delta R.T. 0.000 min

Lab File: VD079779.D

Acq: 04 Sep 2024 17:48

Instrument :

MSVOA\_D

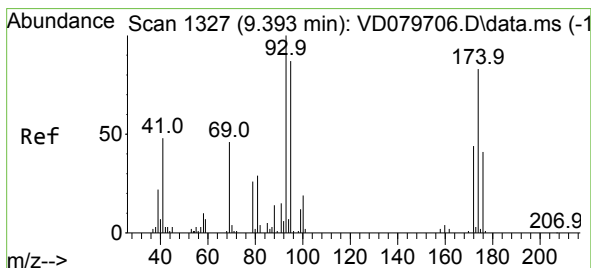
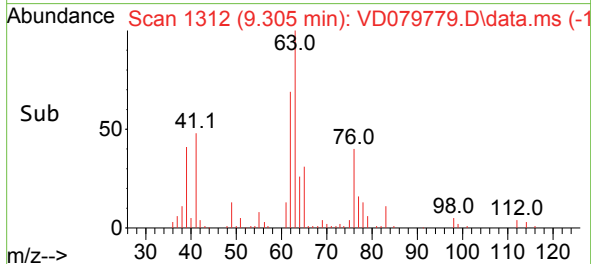
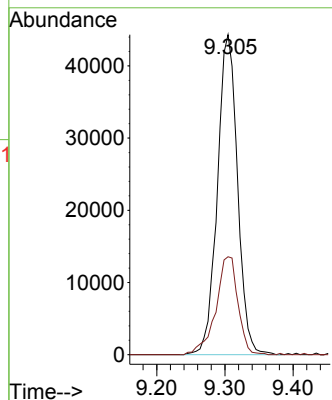
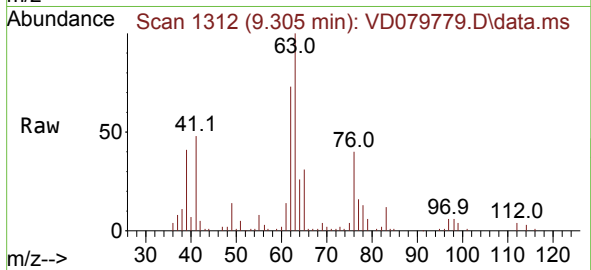
ClientSampleId :

Tgt Ion: 63 Resp: 91143

Ion Ratio Lower Upper

63 100

65 30.6 23.8 35.8



#46

Dibromomethane

Concen: 55.817 ug/l

RT: 9.393 min Scan# 1327

Delta R.T. 0.000 min

Lab File: VD079779.D

Acq: 04 Sep 2024 17:48

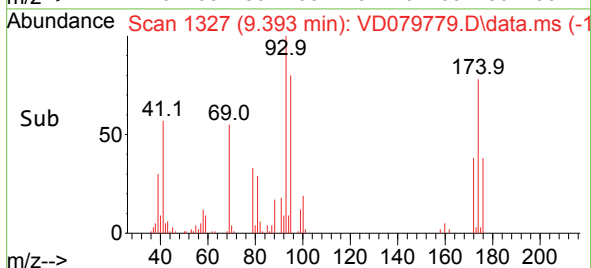
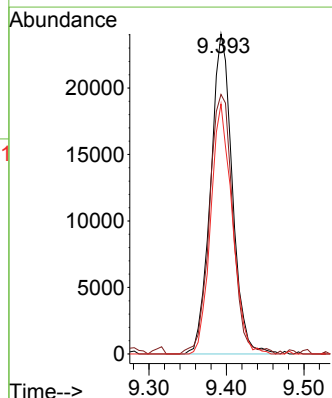
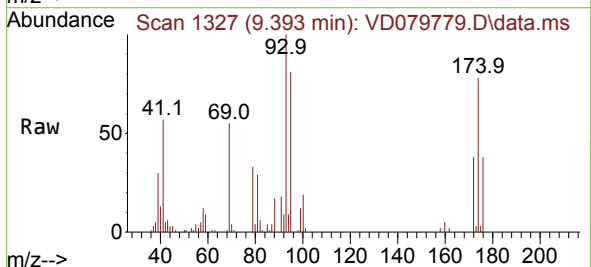
Tgt Ion: 93 Resp: 46904

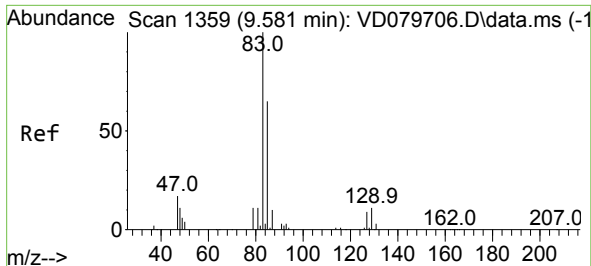
Ion Ratio Lower Upper

93 100

95 87.0 65.6 98.4

174 77.3 82.3 123.5#

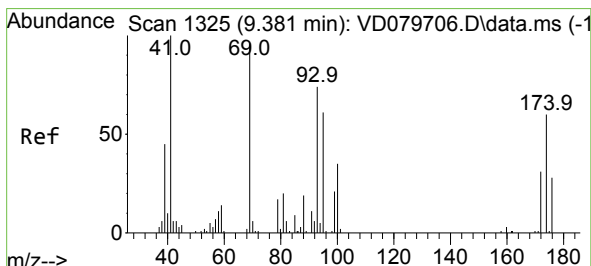
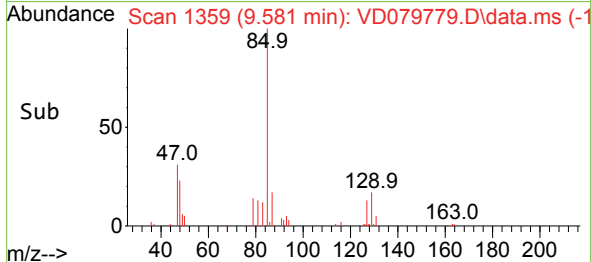
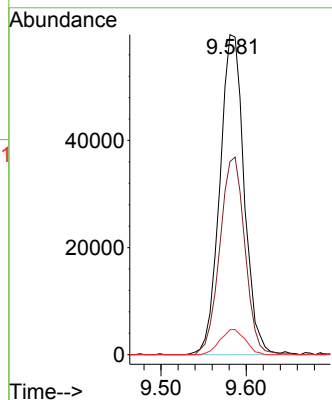
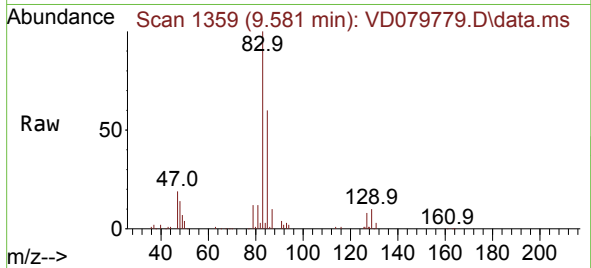




#47  
Bromodichloromethane  
Concen: 56.486 ug/l  
RT: 9.581 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VD079779.D  
Acq: 04 Sep 2024 17:48

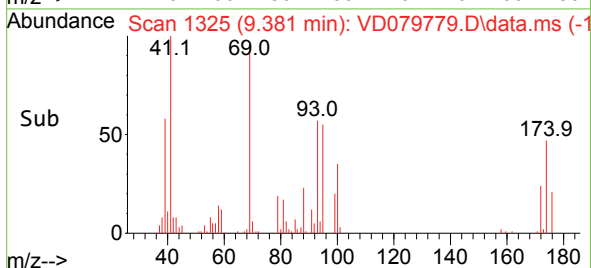
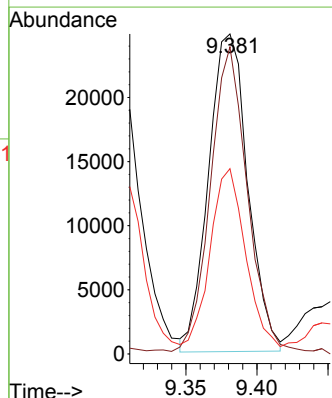
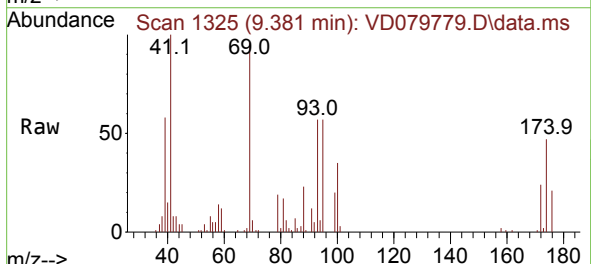
Instrument :  
MSVOA\_D  
ClientSampleId :

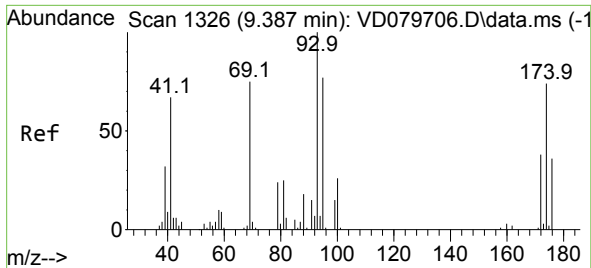
Tgt Ion: 83 Resp: 118539  
Ion Ratio Lower Upper  
83 100  
85 60.3 50.1 75.1  
127 7.8 6.8 10.2



#48  
Methyl methacrylate  
Concen: 60.767 ug/l  
RT: 9.381 min Scan# 1325  
Delta R.T. 0.000 min  
Lab File: VD079779.D  
Acq: 04 Sep 2024 17:48

Tgt Ion: 41 Resp: 47712  
Ion Ratio Lower Upper  
41 100  
69 92.4 96.7 145.1#  
39 50.3 43.8 65.6





#49

1,4-Dioxane

Concen: 1362.756 ug/l

RT: 9.381 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD079779.D

Acq: 04 Sep 2024 17:48

Instrument :

MSVOA\_D

ClientSampleId :

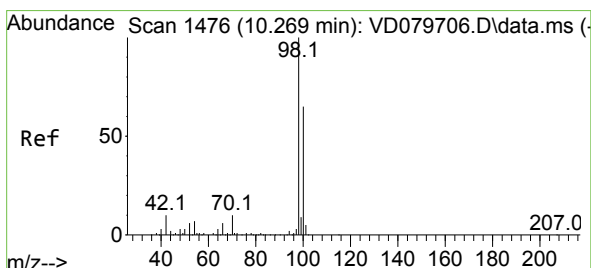
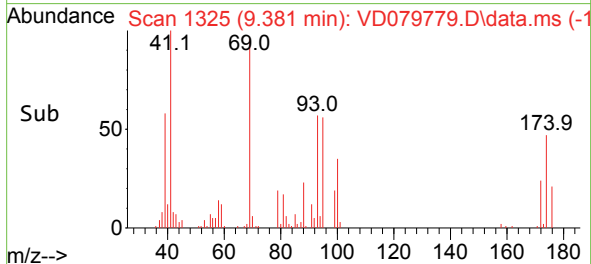
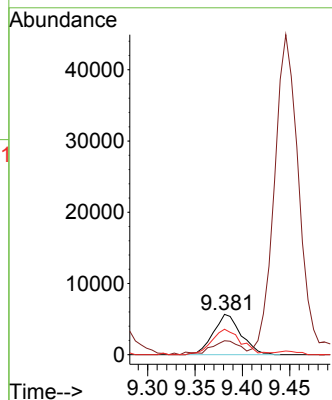
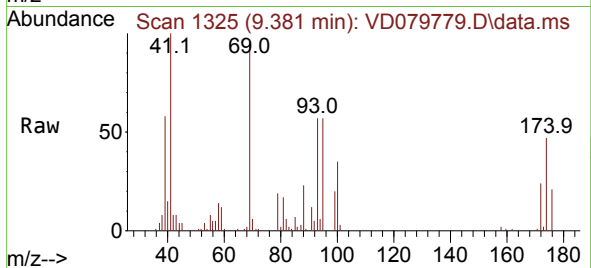
Tgt Ion: 88 Resp: 11505

Ion Ratio Lower Upper

88 100

43 36.8 21.5 32.3#

58 67.7 42.2 63.4#



#50

Toluene-d8

Concen: 58.396 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD079779.D

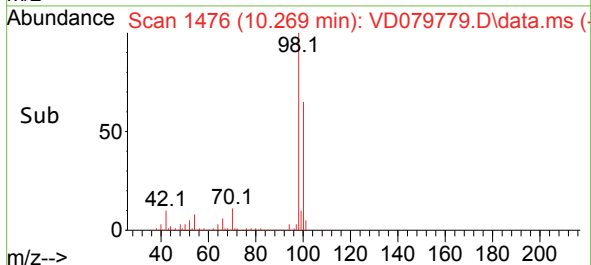
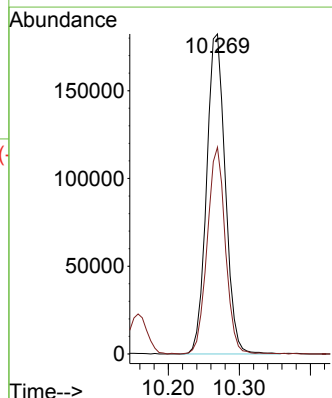
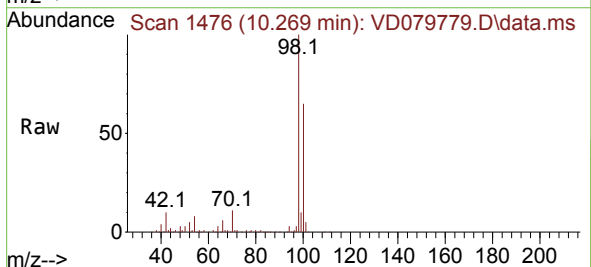
Acq: 04 Sep 2024 17:48

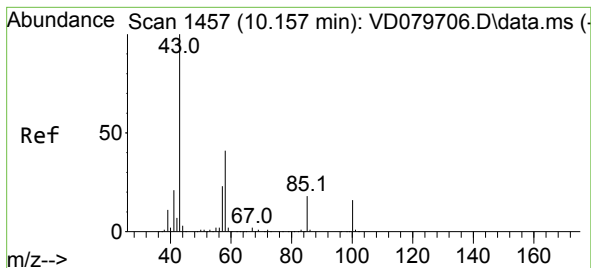
Tgt Ion: 98 Resp: 333408

Ion Ratio Lower Upper

98 100

100 62.9 51.6 77.4

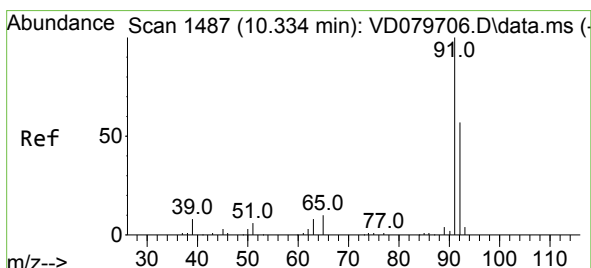
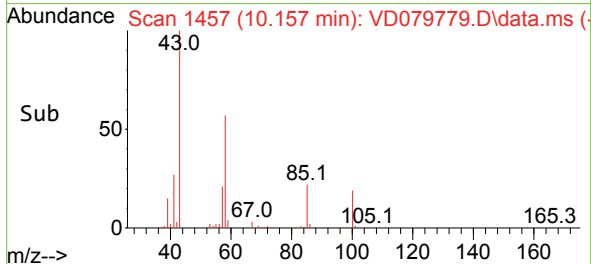
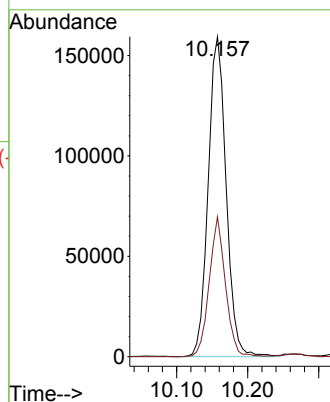
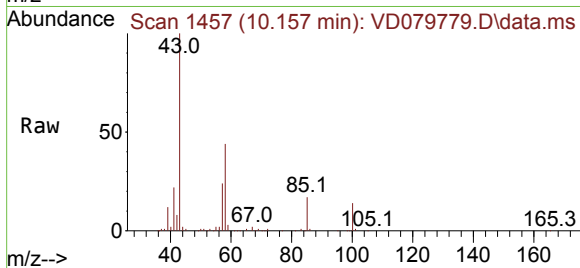




#51  
4-Methyl-2-Pentanone  
Concen: 329.962 ug/l  
RT: 10.157 min Scan# 1457  
Delta R.T. 0.000 min  
Lab File: VD079779.D  
Acq: 04 Sep 2024 17:48

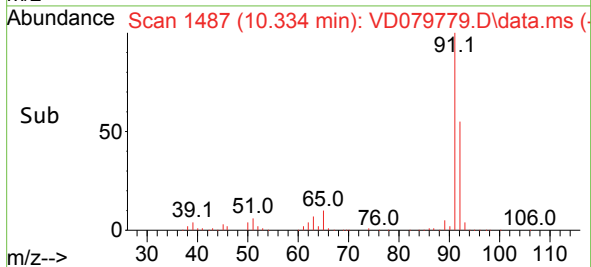
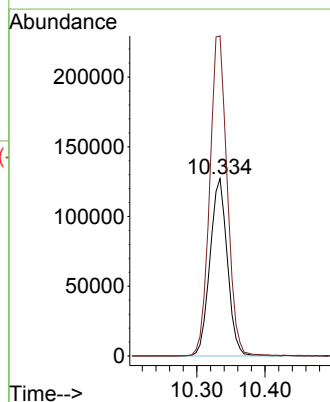
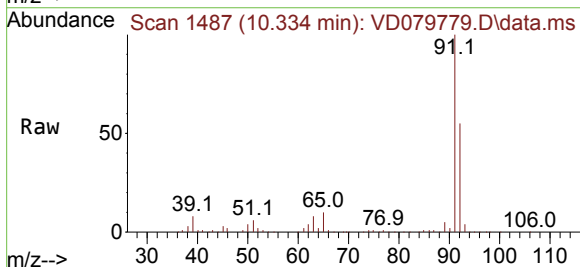
Instrument :  
MSVOA\_D  
ClientSampleId :

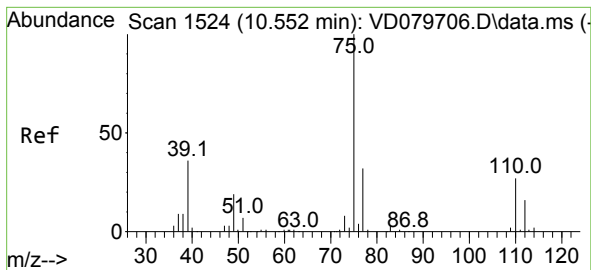
Tgt Ion: 43 Resp: 280374  
Ion Ratio Lower Upper  
43 100  
58 39.6 36.6 55.0



#52  
Toluene  
Concen: 56.626 ug/l  
RT: 10.334 min Scan# 1487  
Delta R.T. 0.000 min  
Lab File: VD079779.D  
Acq: 04 Sep 2024 17:48

Tgt Ion: 92 Resp: 225366  
Ion Ratio Lower Upper  
92 100  
91 182.5 141.7 212.5

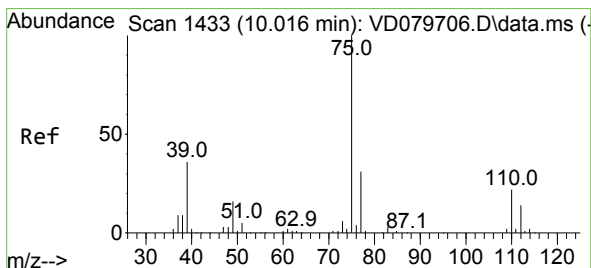
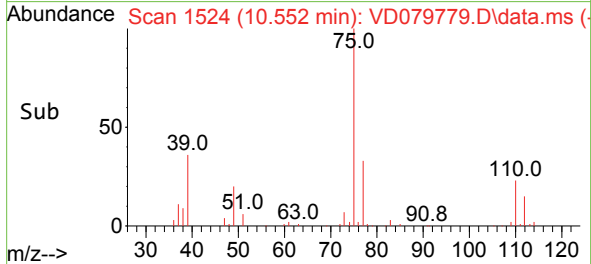
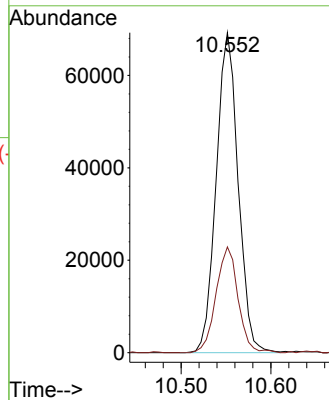
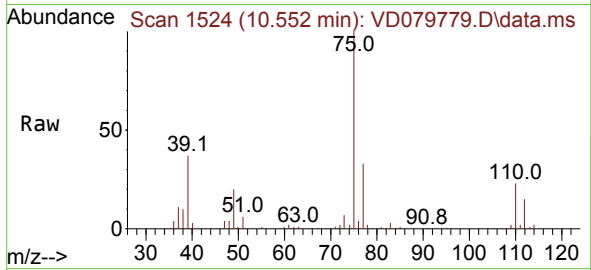




#53  
 t-1,3-Dichloropropene  
 Concen: 59.436 ug/l  
 RT: 10.552 min Scan# 1524  
 Delta R.T. 0.000 min  
 Lab File: VD079779.D  
 Acq: 04 Sep 2024 17:48

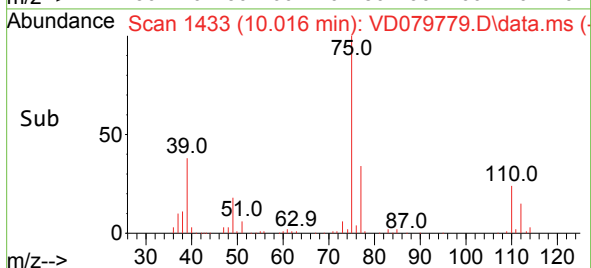
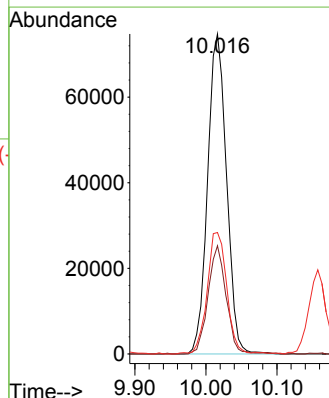
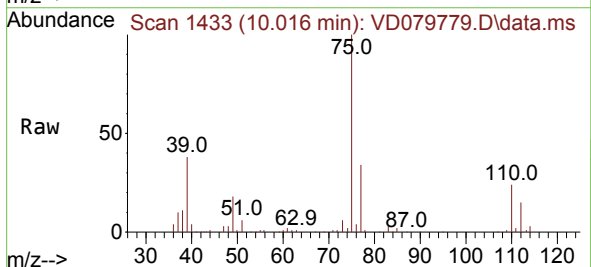
Instrument :  
 MSVOA\_D  
 ClientSampleId :

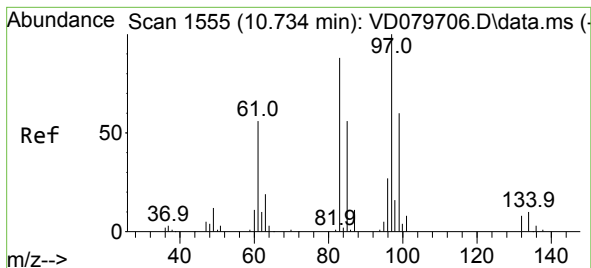
Tgt Ion: 75 Resp: 117587  
 Ion Ratio Lower Upper  
 75 100  
 77 33.0 25.0 37.6



#54  
 cis-1,3-Dichloropropene  
 Concen: 58.737 ug/l  
 RT: 10.016 min Scan# 1433  
 Delta R.T. 0.000 min  
 Lab File: VD079779.D  
 Acq: 04 Sep 2024 17:48

Tgt Ion: 75 Resp: 138418  
 Ion Ratio Lower Upper  
 75 100  
 77 33.8 24.4 36.6  
 39 37.7 24.2 36.2#





#55

1,1,2-Trichloroethane

Concen: 56.745 ug/l

RT: 10.728 min Scan# 1554

Delta R.T. -0.006 min

Lab File: VD079779.D

Acq: 04 Sep 2024 17:48

Instrument :

MSVOA\_D

ClientSampleId :

Tgt Ion: 97 Resp: 62381

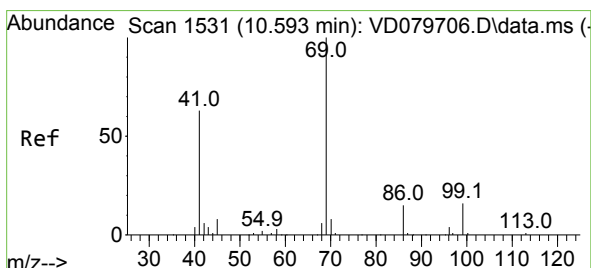
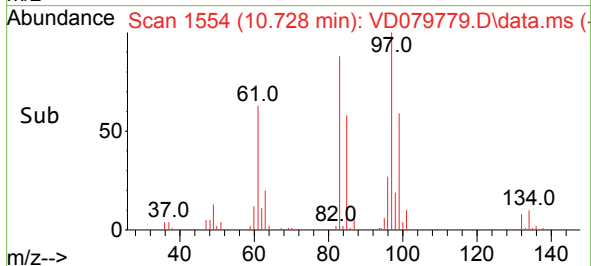
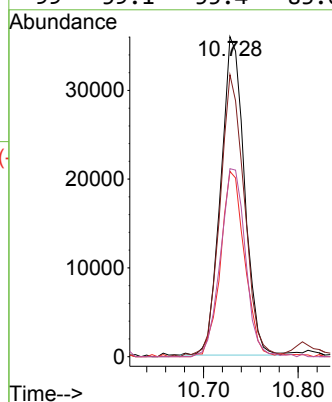
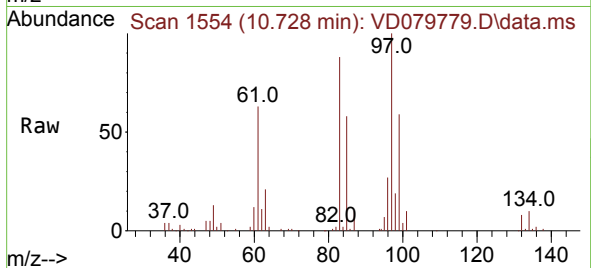
Ion Ratio Lower Upper

97 100

83 88.5 65.8 98.8

85 58.2 43.8 65.8

99 59.1 55.4 83.0



#56

Ethyl methacrylate

Concen: 64.859 ug/l

RT: 10.599 min Scan# 1532

Delta R.T. 0.006 min

Lab File: VD079779.D

Acq: 04 Sep 2024 17:48

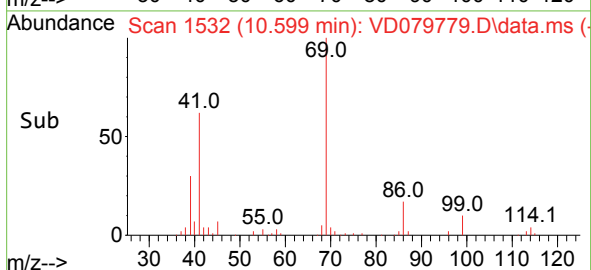
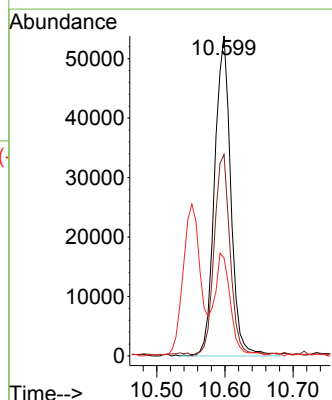
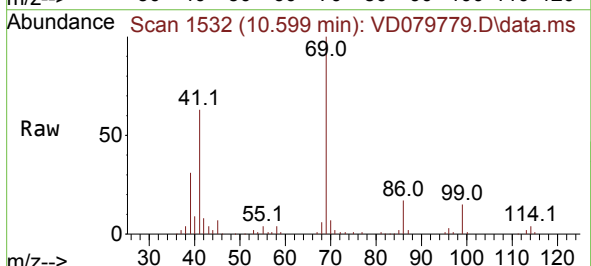
Tgt Ion: 69 Resp: 89341

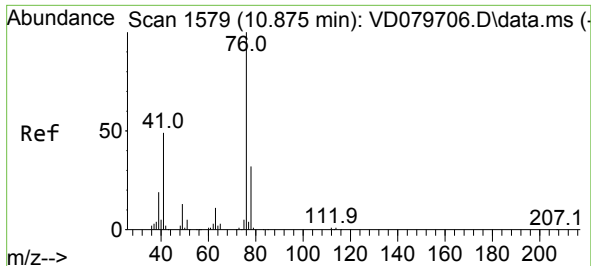
Ion Ratio Lower Upper

69 100

41 62.7 39.8 59.6#

39 30.6 20.2 30.4#





#57

1,3-Dichloropropane

Concen: 57.382 ug/l

RT: 10.881 min Scan# 1580

Delta R.T. 0.006 min

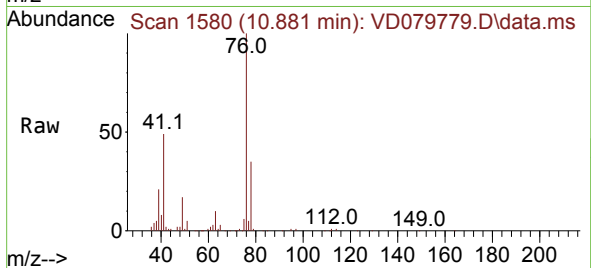
Lab File: VD079779.D

Acq: 04 Sep 2024 17:48

Instrument :

MSVOA\_D

ClientSampleId :

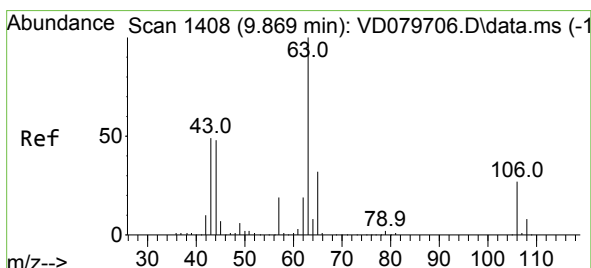
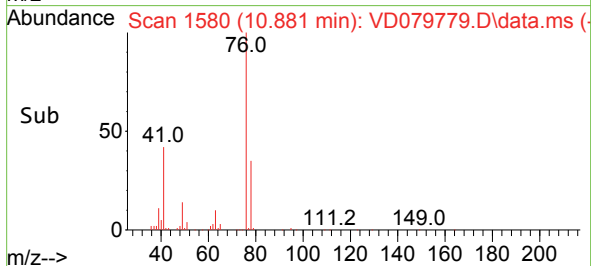
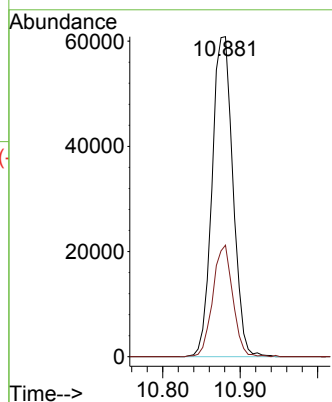


Tgt Ion: 76 Resp: 113718

Ion Ratio Lower Upper

76 100

78 33.4 26.2 39.2



#58

2-Chloroethyl Vinyl ether

Concen: 296.048 ug/l

RT: 9.869 min Scan# 1408

Delta R.T. 0.000 min

Lab File: VD079779.D

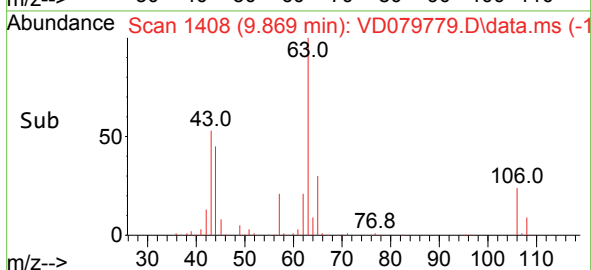
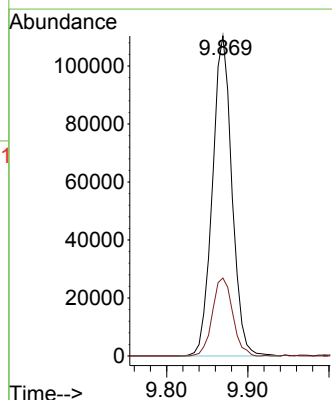
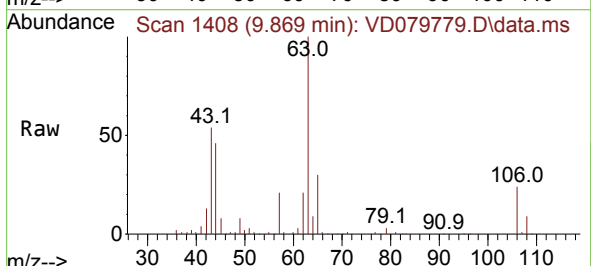
Acq: 04 Sep 2024 17:48

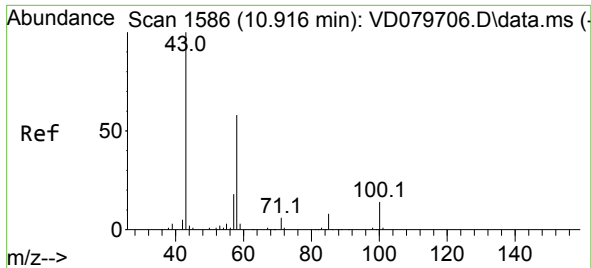
Tgt Ion: 63 Resp: 184368

Ion Ratio Lower Upper

63 100

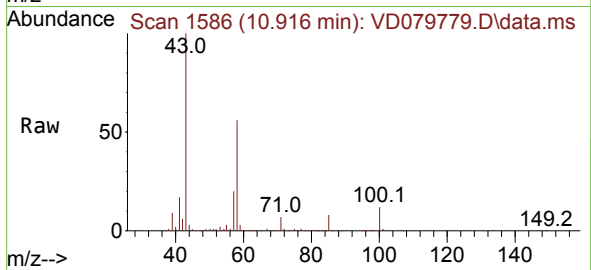
106 25.2 26.4 39.6#



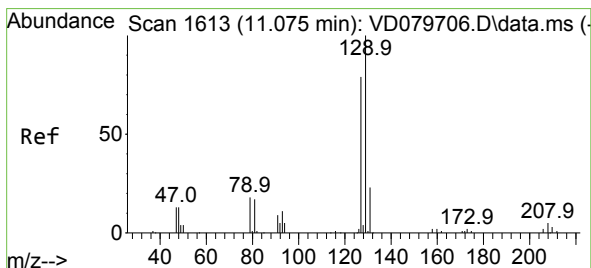
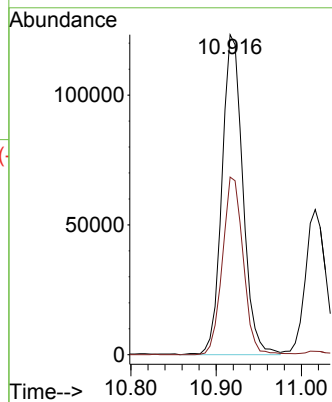
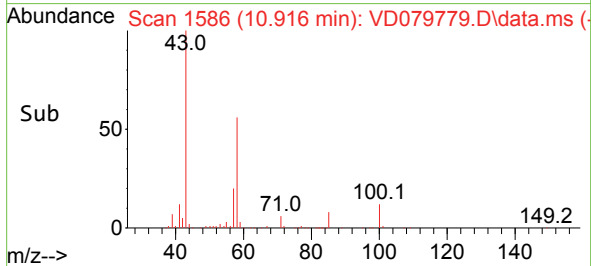


#59  
2-Hexanone  
Concen: 313.766 ug/l  
RT: 10.916 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VD079779.D  
Acq: 04 Sep 2024 17:48

Instrument :  
MSVOA\_D  
ClientSampleId :

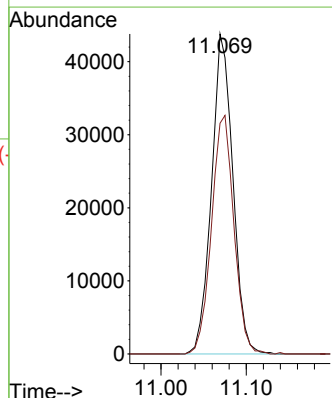
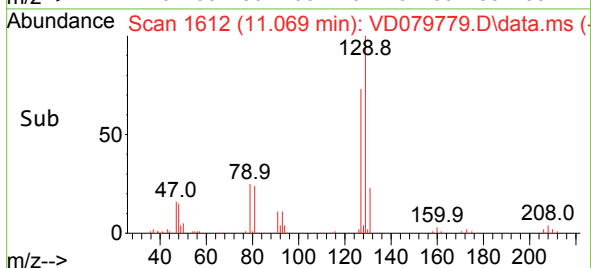
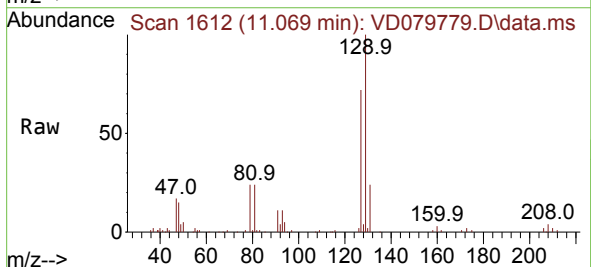


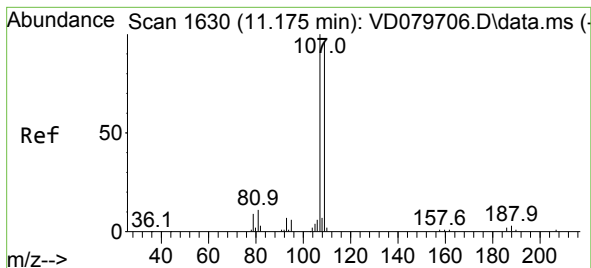
Tgt Ion: 43 Resp: 209653  
Ion Ratio Lower Upper  
43 100  
58 55.2 31.1 93.5



#60  
Dibromochloromethane  
Concen: 56.270 ug/l  
RT: 11.069 min Scan# 1612  
Delta R.T. -0.006 min  
Lab File: VD079779.D  
Acq: 04 Sep 2024 17:48

Tgt Ion: 129 Resp: 76089  
Ion Ratio Lower Upper  
129 100  
127 78.3 38.0 113.9

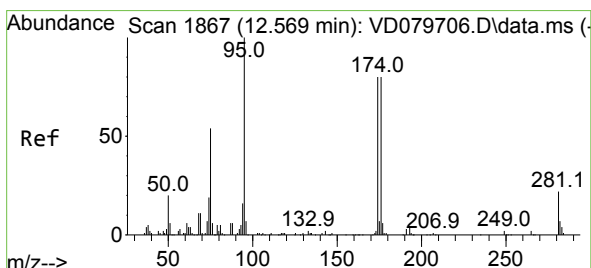
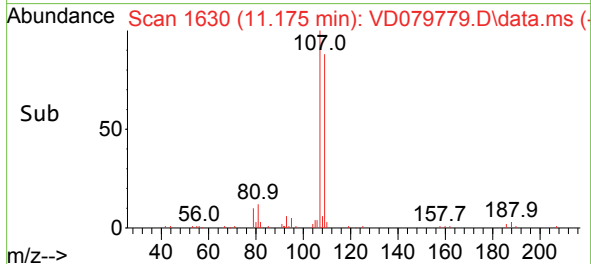
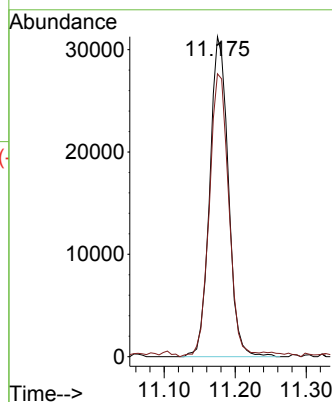
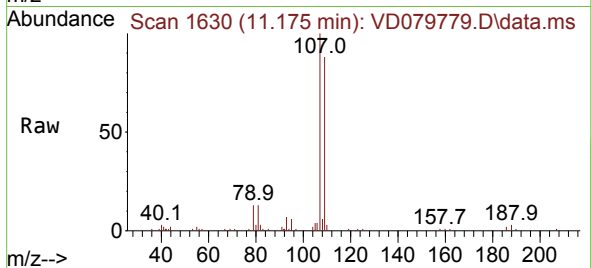




#61  
1,2-Dibromoethane  
Concen: 59.009 ug/l  
RT: 11.175 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VD079779.D  
Acq: 04 Sep 2024 17:48

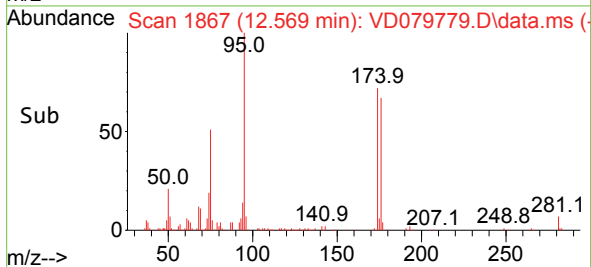
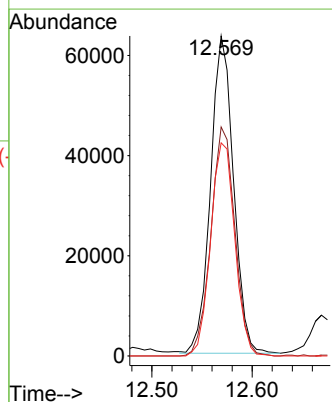
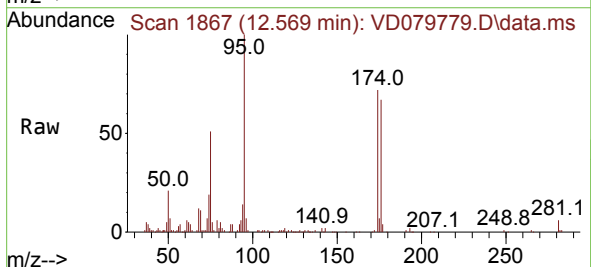
Instrument :  
MSVOA\_D  
ClientSampleId :

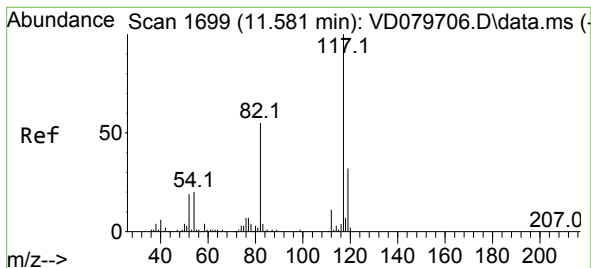
Tgt Ion:107 Resp: 56850  
Ion Ratio Lower Upper  
107 100  
109 92.5 72.0 108.0



#62  
4-Bromofluorobenzene  
Concen: 63.084 ug/l  
RT: 12.569 min Scan# 1867  
Delta R.T. 0.000 min  
Lab File: VD079779.D  
Acq: 04 Sep 2024 17:48

Tgt Ion: 95 Resp: 100778  
Ion Ratio Lower Upper  
95 100  
174 75.4 0.0 195.4  
176 70.7 0.0 192.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. 0.000 min

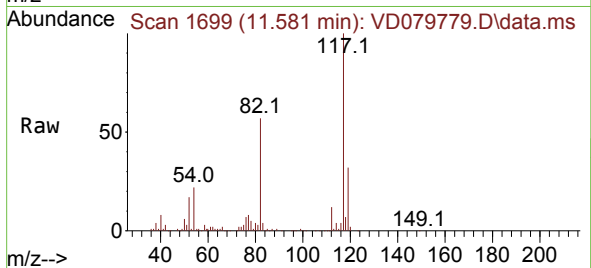
Lab File: VD079779.D

Acq: 04 Sep 2024 17:48

Instrument :

MSVOA\_D

ClientSampleId :



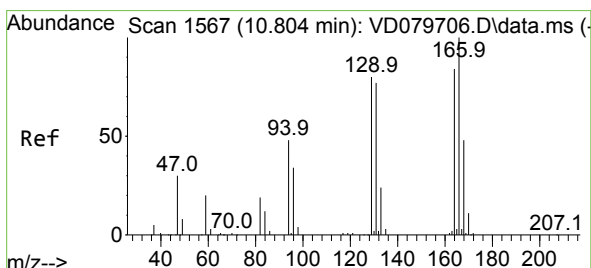
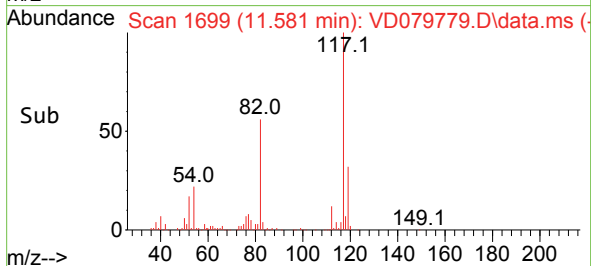
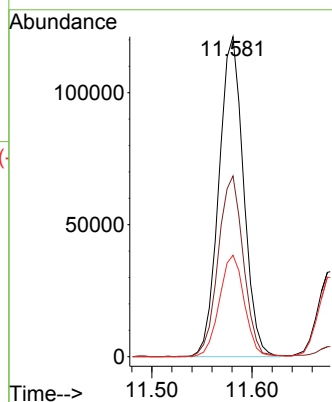
Tgt Ion:117 Resp: 206472

Ion Ratio Lower Upper

117 100

82 56.4 39.8 59.6

119 31.7 25.7 38.5



#64

Tetrachloroethene

Concen: 50.387 ug/l

RT: 10.804 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VD079779.D

Acq: 04 Sep 2024 17:48

Tgt Ion:164 Resp: 61111

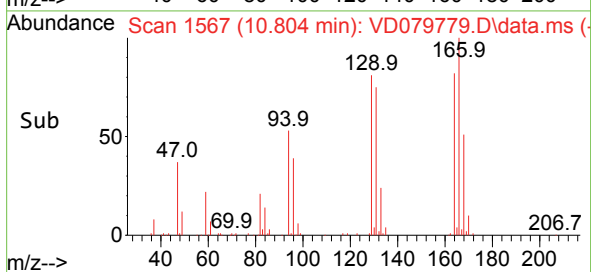
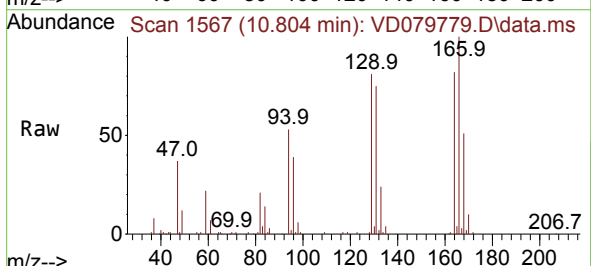
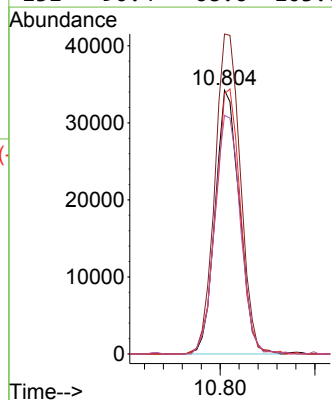
Ion Ratio Lower Upper

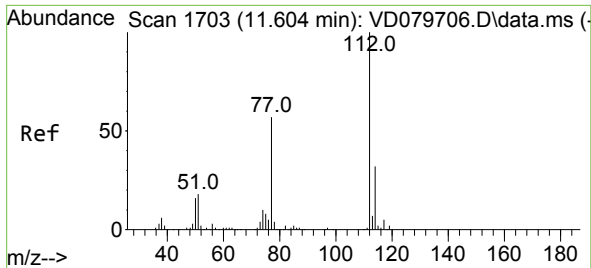
164 100

166 121.3 108.6 163.0

129 98.7 74.6 112.0

131 90.4 68.6 103.0

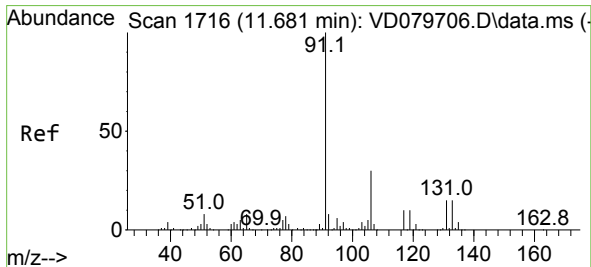
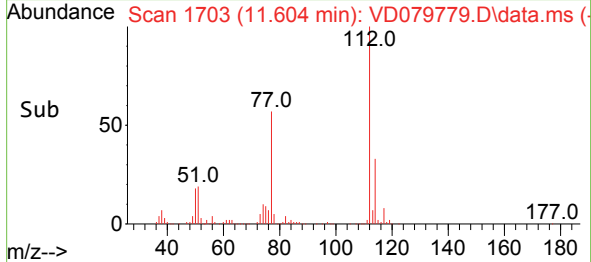
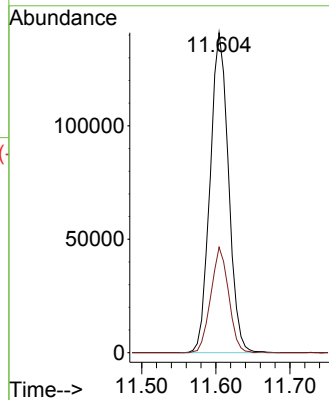
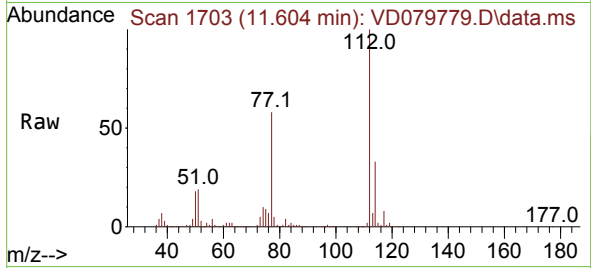




#65  
Chlorobenzene  
Concen: 53.163 ug/l  
RT: 11.604 min Scan# 1703  
Delta R.T. 0.000 min  
Lab File: VD079779.D  
Acq: 04 Sep 2024 17:48

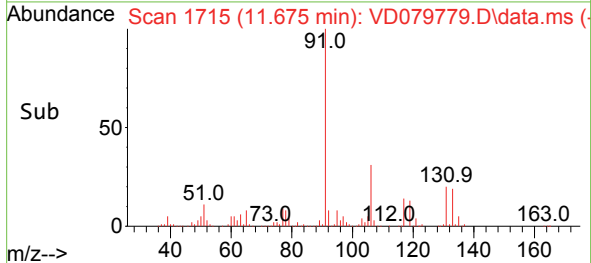
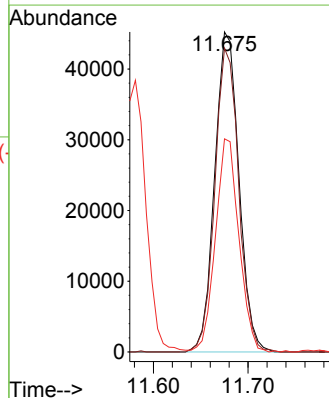
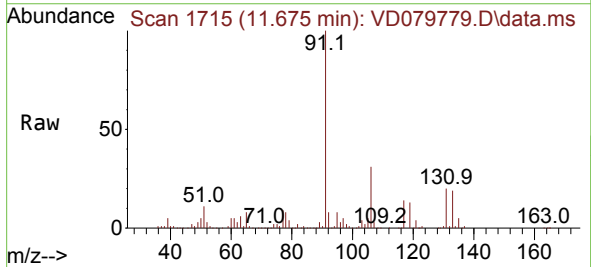
Instrument :  
MSVOA\_D  
ClientSampleId :

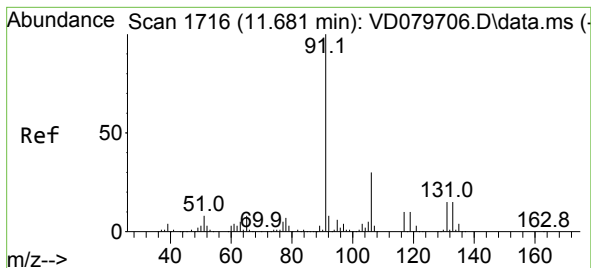
Tgt Ion:112 Resp: 243550  
Ion Ratio Lower Upper  
112 100  
114 33.0 26.0 39.0



#66  
1,1,1,2-Tetrachloroethane  
Concen: 53.427 ug/l  
RT: 11.675 min Scan# 1715  
Delta R.T. -0.006 min  
Lab File: VD079779.D  
Acq: 04 Sep 2024 17:48

Tgt Ion:131 Resp: 80401  
Ion Ratio Lower Upper  
131 100  
133 93.5 49.2 147.6  
119 64.7 33.4 100.2

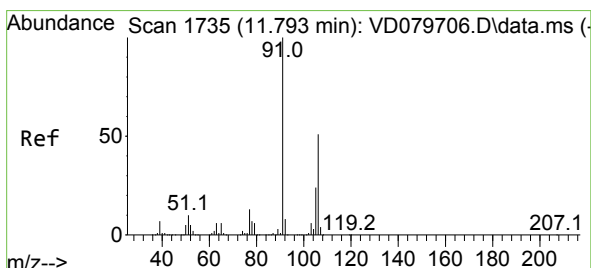
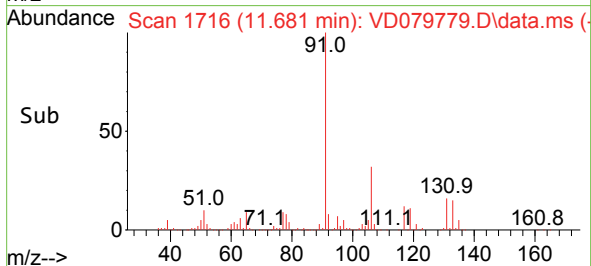
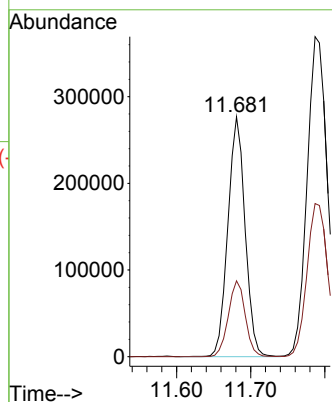
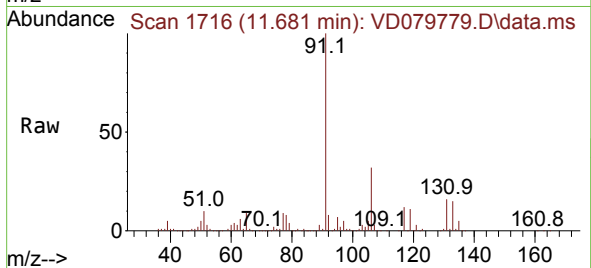




#67  
Ethyl Benzene  
Concen: 55.250 ug/l  
RT: 11.681 min Scan# 1716  
Delta R.T. 0.000 min  
Lab File: VD079779.D  
Acq: 04 Sep 2024 17:48

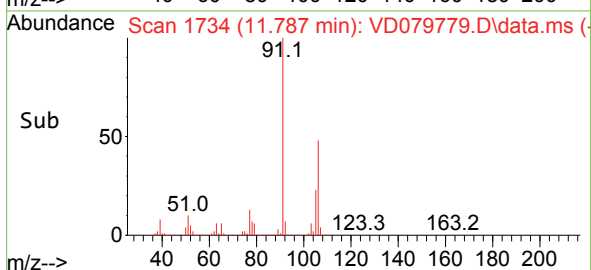
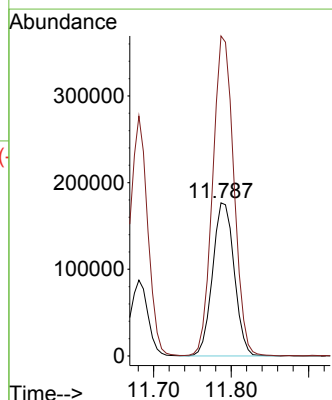
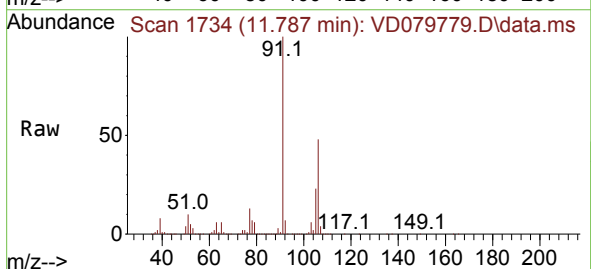
Instrument :  
MSVOA\_D  
ClientSampleId :

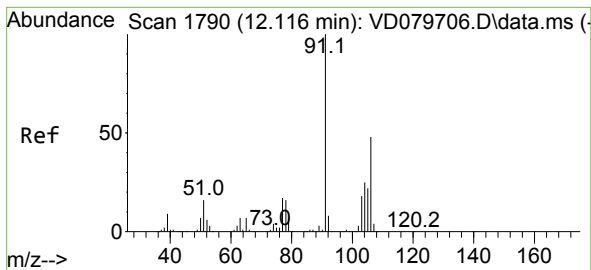
Tgt Ion: 91 Resp: 446193  
Ion Ratio Lower Upper  
91 100  
106 31.6 25.8 38.6



#68  
m/p-Xylenes  
Concen: 110.457 ug/l  
RT: 11.787 min Scan# 1734  
Delta R.T. -0.006 min  
Lab File: VD079779.D  
Acq: 04 Sep 2024 17:48

Tgt Ion: 106 Resp: 342432  
Ion Ratio Lower Upper  
106 100  
91 204.3 148.5 222.7





#69

o-Xylene

Concen: 56.971 ug/l

RT: 12.116 min Scan# 1790

Delta R.T. 0.000 min

Lab File: VD079779.D

Acq: 04 Sep 2024 17:48

Instrument :

MSVOA\_D

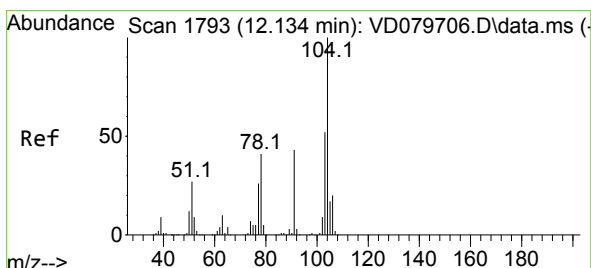
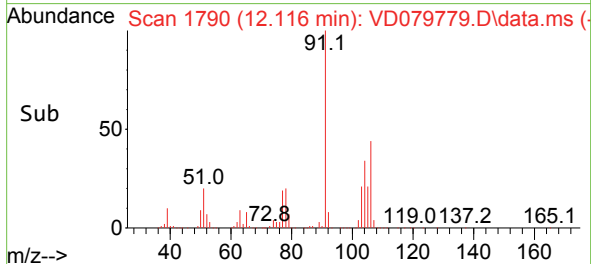
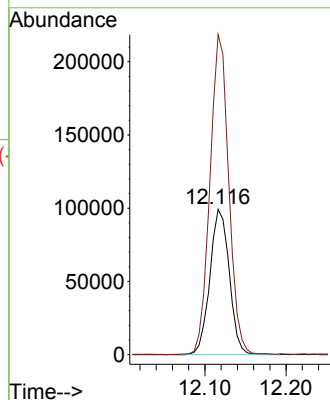
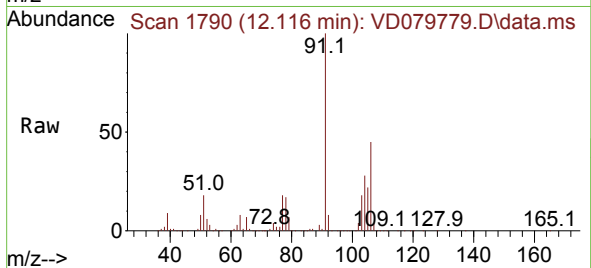
ClientSampleId :

Tgt Ion:106 Resp: 164612

Ion Ratio Lower Upper

106 100

91 214.1 96.7 290.1



#70

Styrene

Concen: 57.297 ug/l

RT: 12.134 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VD079779.D

Acq: 04 Sep 2024 17:48

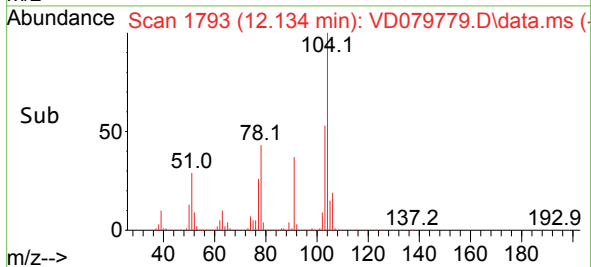
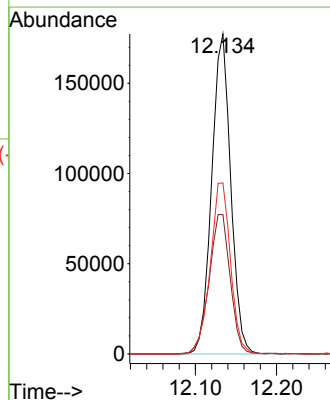
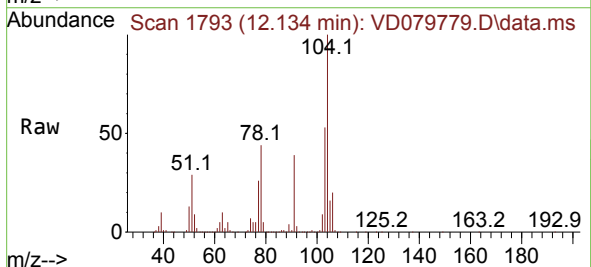
Tgt Ion:104 Resp: 288965

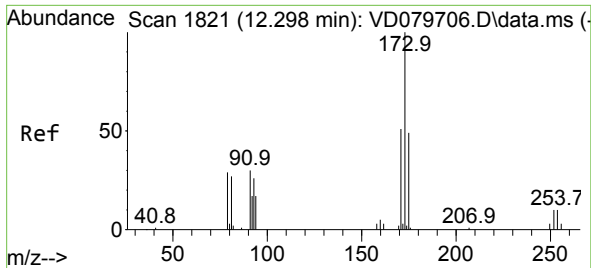
Ion Ratio Lower Upper

104 100

78 48.4 33.0 49.6

103 56.8 44.2 66.4

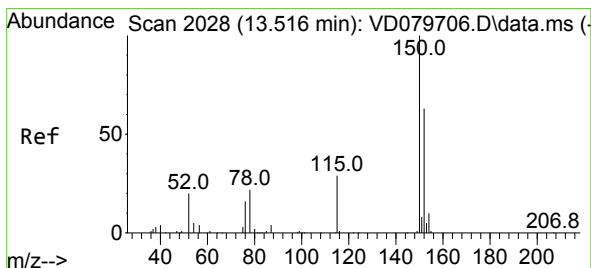
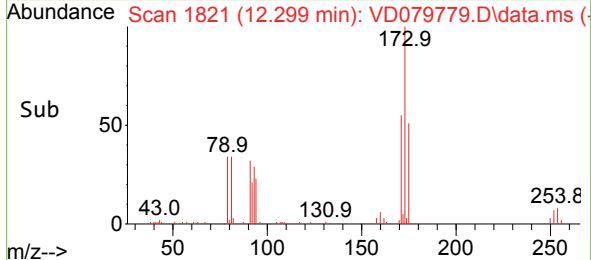
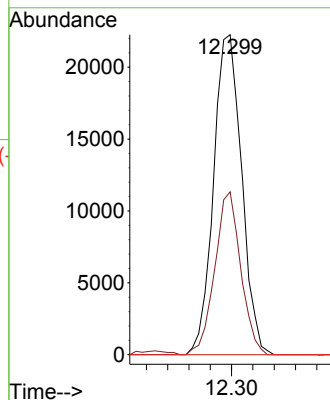
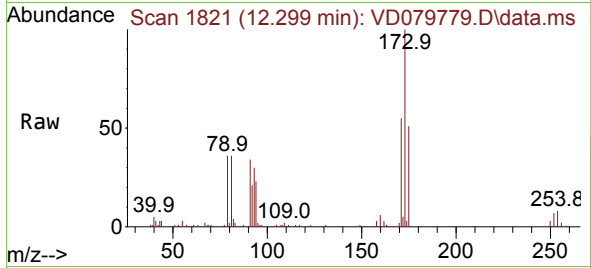




#71  
Bromoform  
Concen: 53.958 ug/l  
RT: 12.299 min Scan# 1821  
Delta R.T. 0.000 min  
Lab File: VD079779.D  
Acq: 04 Sep 2024 17:48

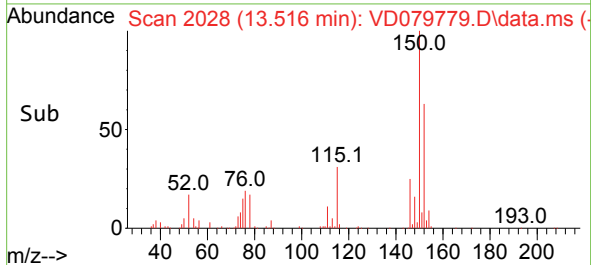
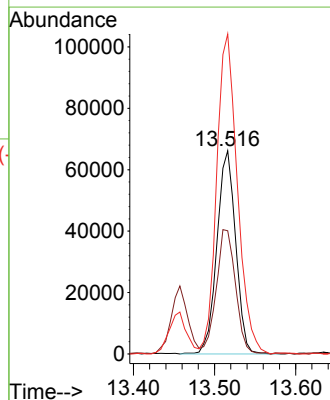
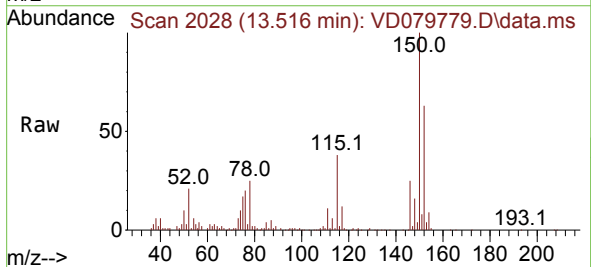
Instrument :  
MSVOA\_D  
ClientSampleId :

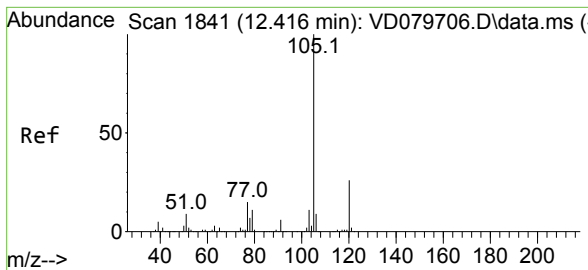
Tgt Ion:173 Resp: 40721  
Ion Ratio Lower Upper  
173 100  
175 47.1 23.7 71.1  
254 0.0 0.0 0.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.516 min Scan# 2028  
Delta R.T. 0.000 min  
Lab File: VD079779.D  
Acq: 04 Sep 2024 17:48

Tgt Ion:152 Resp: 106342  
Ion Ratio Lower Upper  
152 100  
115 63.1 26.5 79.5  
150 172.6 0.0 341.6





#73

Isopropylbenzene

Concen: 54.759 ug/l

RT: 12.416 min Scan# 1841

Delta R.T. 0.000 min

Lab File: VD079779.D

Acq: 04 Sep 2024 17:48

Instrument :

MSVOA\_D

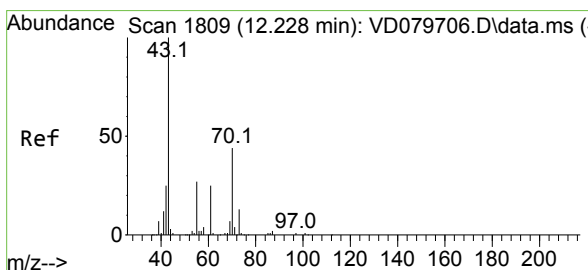
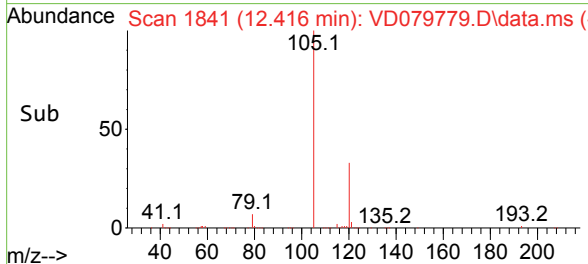
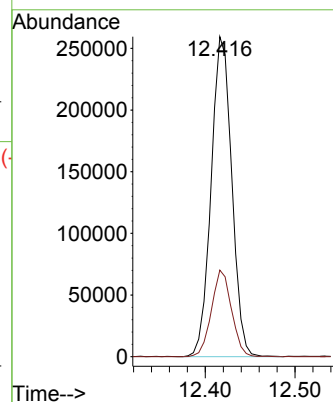
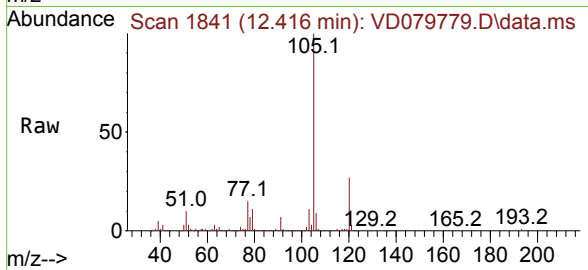
ClientSampleId :

Tgt Ion:105 Resp: 414445

Ion Ratio Lower Upper

105 100

120 26.3 13.6 40.7



#74

N-ethyl acetate

Concen: 62.997 ug/l

RT: 12.228 min Scan# 1809

Delta R.T. 0.000 min

Lab File: VD079779.D

Acq: 04 Sep 2024 17:48

Tgt Ion: 43 Resp: 113323

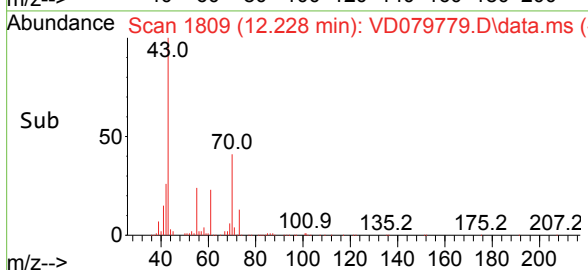
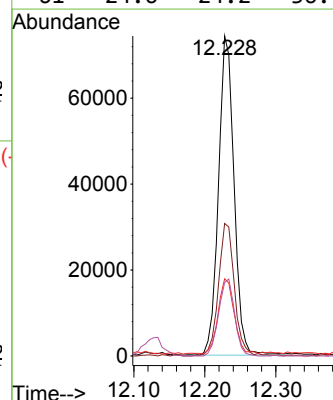
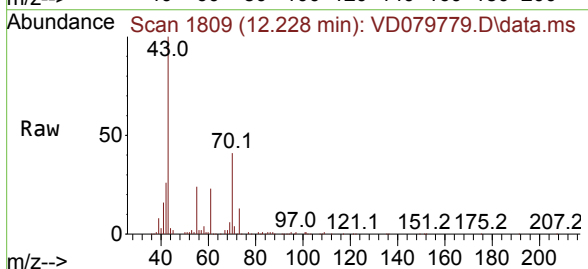
Ion Ratio Lower Upper

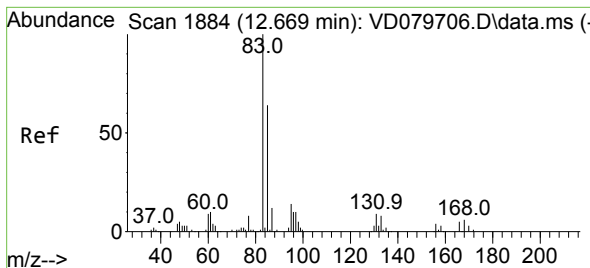
43 100

70 42.9 44.3 66.5

55 23.8 23.2 34.8

61 24.6 24.2 36.4





#75

1,1,2,2-Tetrachloroethane

Concen: 54.782 ug/l

RT: 12.669 min Scan# 1884

Delta R.T. 0.000 min

Lab File: VD079779.D

Acq: 04 Sep 2024 17:48

Instrument :

MSVOA\_D

ClientSampleId :

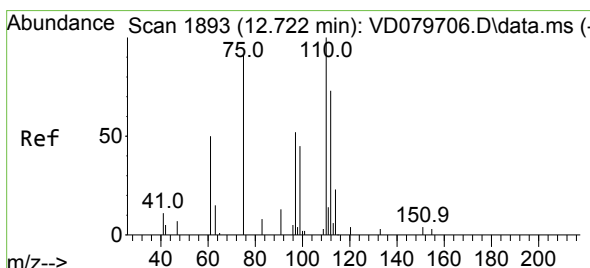
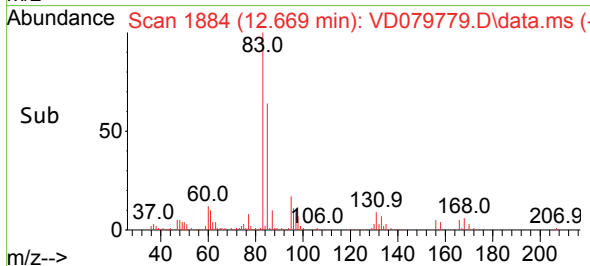
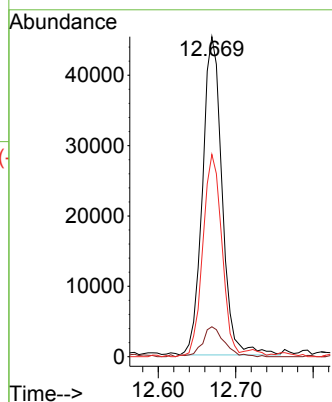
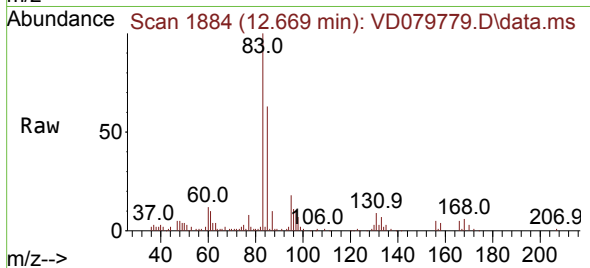
Tgt Ion: 83 Resp: 79589

Ion Ratio Lower Upper

83 100

131 10.5 5.5 16.5

85 61.9 33.8 101.3



#76

1,2,3-Trichloropropane

Concen: 113.004 ug/l

RT: 12.722 min Scan# 1893

Delta R.T. 0.000 min

Lab File: VD079779.D

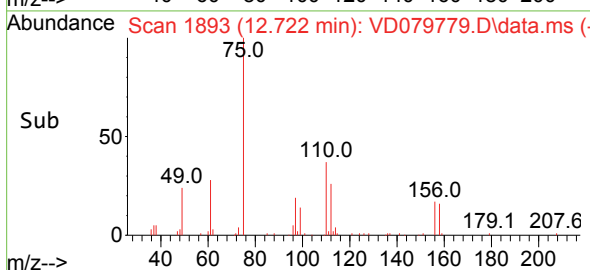
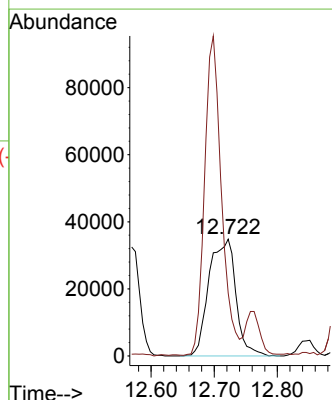
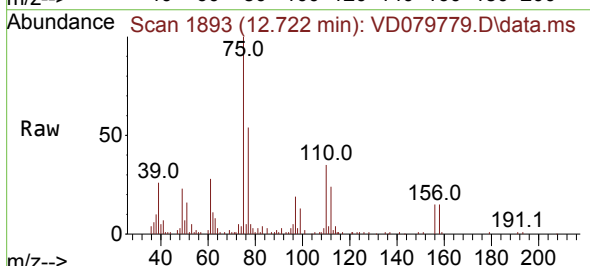
Acq: 04 Sep 2024 17:48

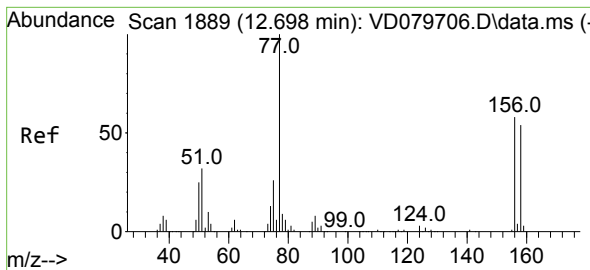
Tgt Ion: 75 Resp: 102710

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 52.078 ug/l

RT: 12.698 min Scan# 1889

Delta R.T. 0.000 min

Lab File: VD079779.D

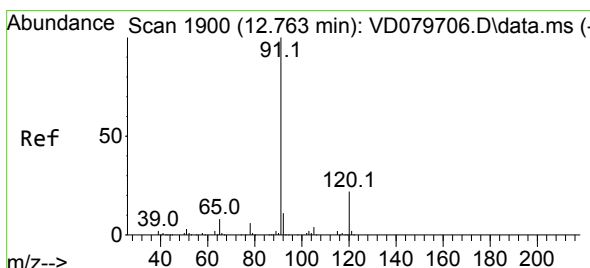
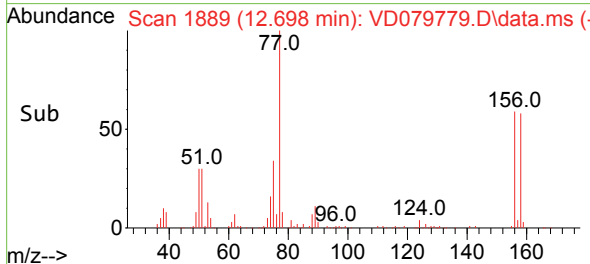
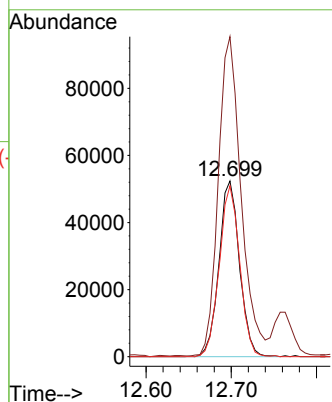
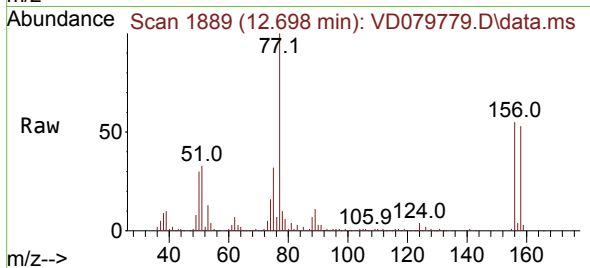
Acq: 04 Sep 2024 17:48

Instrument :

MSVOA\_D

ClientSampleId :

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 156   | Resp: | 87724 |
| Ion Ratio | Lower | Upper |       |
| 156       | 100   |       |       |
| 77        | 202.1 | 77.3  | 231.9 |
| 158       | 96.6  | 49.6  | 149.0 |



#78

n-propylbenzene

Concen: 55.809 ug/l

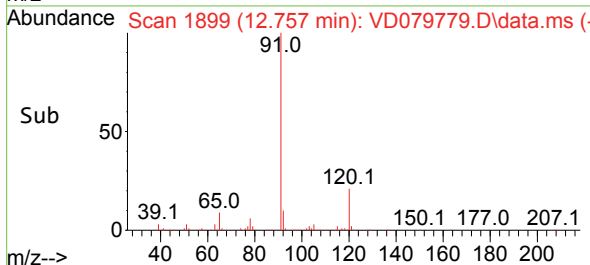
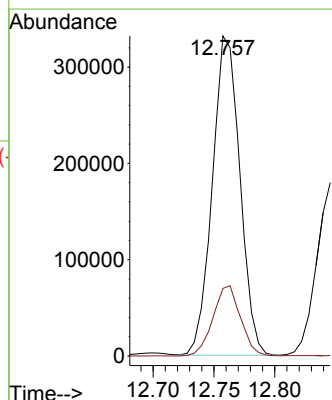
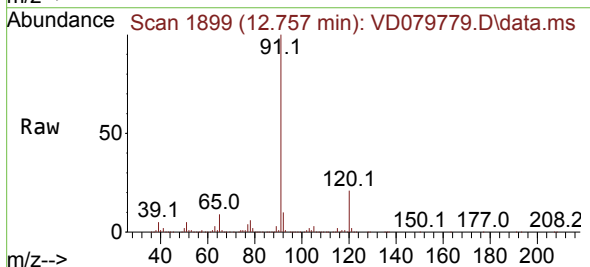
RT: 12.757 min Scan# 1899

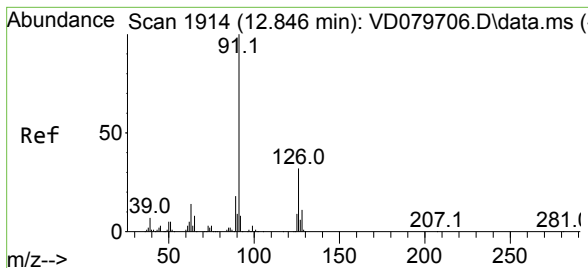
Delta R.T. -0.006 min

Lab File: VD079779.D

Acq: 04 Sep 2024 17:48

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 521952 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 22.0  | 12.3  | 36.8   |





#79

2-Chlorotoluene

Concen: 55.689 ug/l

RT: 12.846 min Scan# 1914

Delta R.T. 0.000 min

Lab File: VD079779.D

Acq: 04 Sep 2024 17:48

Instrument :

MSVOA\_D

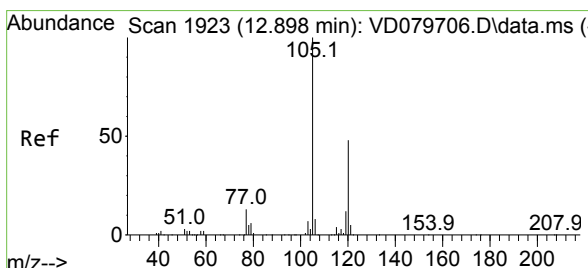
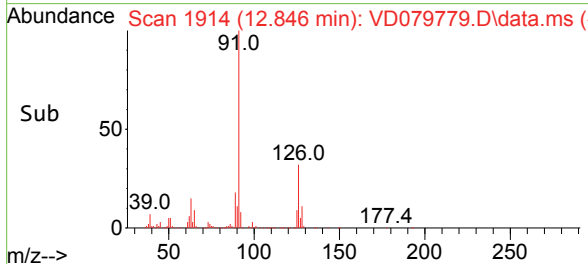
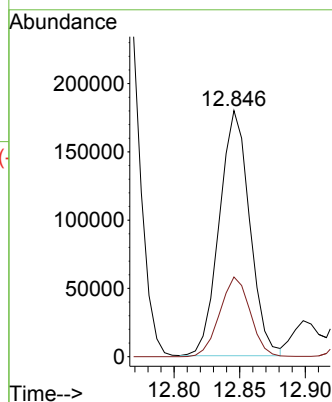
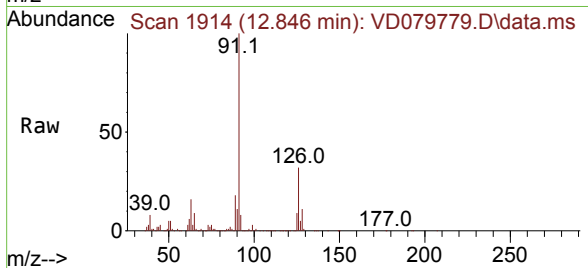
ClientSampleId :

Tgt Ion: 91 Resp: 290146

Ion Ratio Lower Upper

91 100

126 32.5 19.3 57.8



#80

1,3,5-Trimethylbenzene

Concen: 56.758 ug/l

RT: 12.899 min Scan# 1923

Delta R.T. 0.000 min

Lab File: VD079779.D

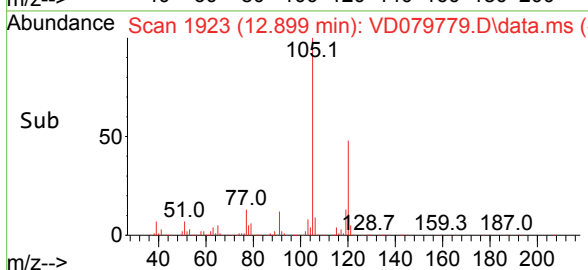
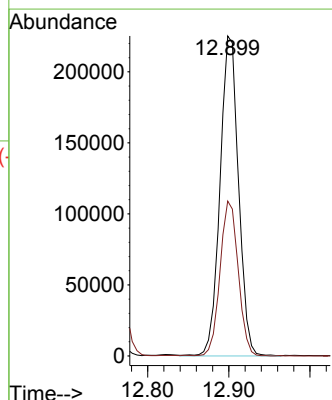
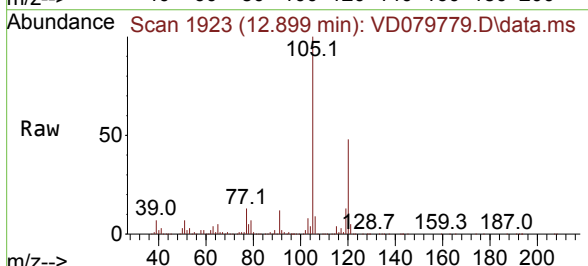
Acq: 04 Sep 2024 17:48

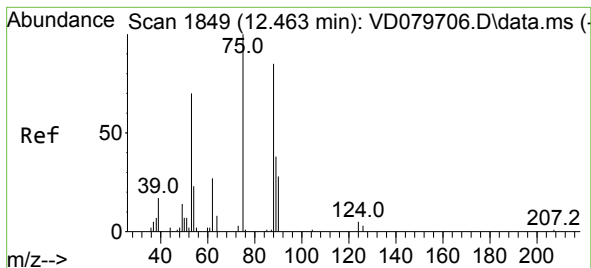
Tgt Ion: 105 Resp: 357131

Ion Ratio Lower Upper

105 100

120 47.5 25.7 77.1

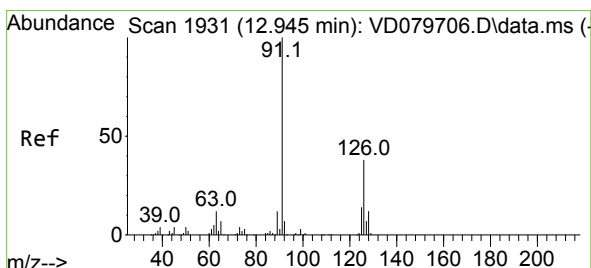
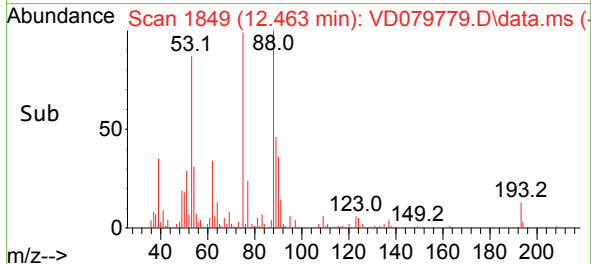
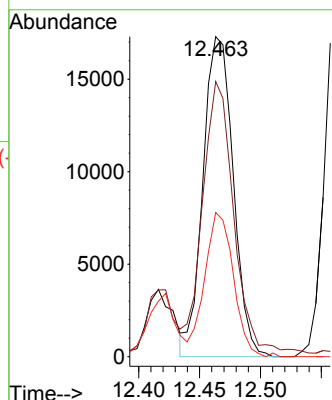
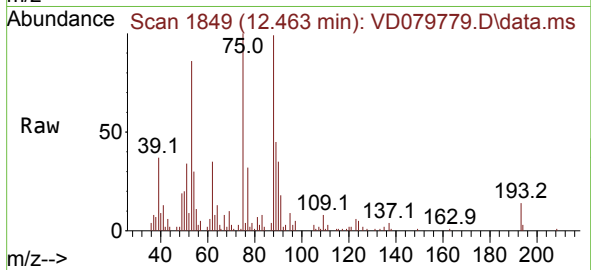




#81  
trans-1,4-Dichloro-2-butene  
Concen: 54.874 ug/l  
RT: 12.463 min Scan# 1849  
Delta R.T. 0.000 min  
Lab File: VD079779.D  
Acq: 04 Sep 2024 17:48

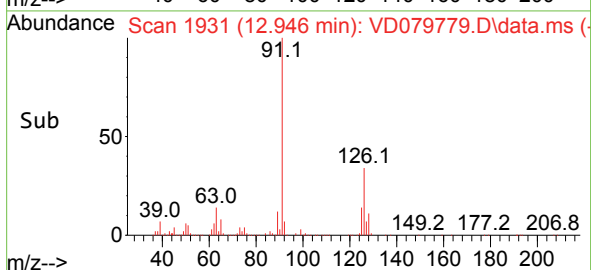
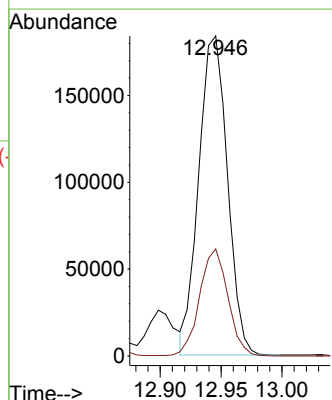
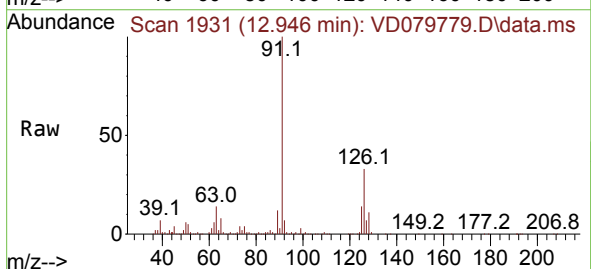
Instrument :  
MSVOA\_D  
ClientSampleId :

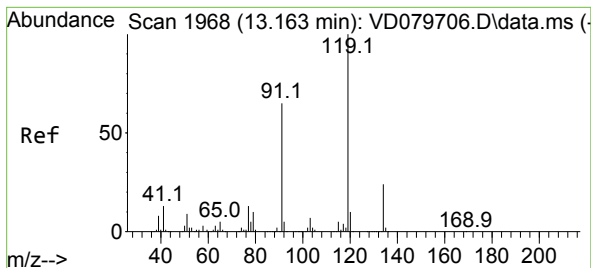
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 88.5  | 61.4  | 92.2  |
| 89      | 42.5  | 35.4  | 53.0  |



#82  
4-Chlorotoluene  
Concen: 55.447 ug/l  
RT: 12.946 min Scan# 1931  
Delta R.T. 0.000 min  
Lab File: VD079779.D  
Acq: 04 Sep 2024 17:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 33.1  | 18.9  | 56.9  |





#83

tert-Butylbenzene

Concen: 56.504 ug/l

RT: 13.163 min Scan# 1968

Delta R.T. 0.000 min

Lab File: VD079779.D

Acq: 04 Sep 2024 17:48

Instrument :

MSVOA\_D

ClientSampleId :

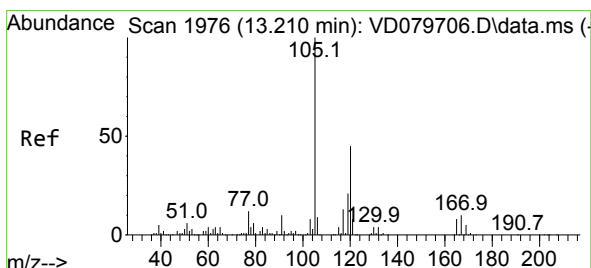
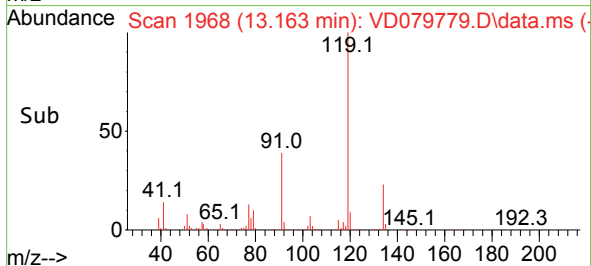
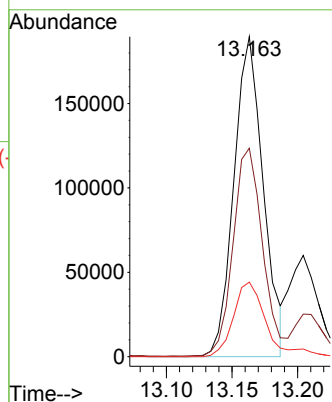
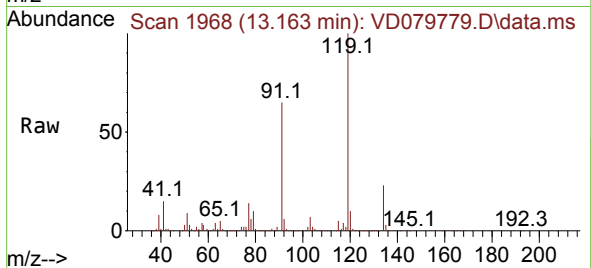
Tgt Ion:119 Resp: 295447

Ion Ratio Lower Upper

119 100

91 66.0 28.2 84.7

134 26.0 13.4 40.1



#84

1,2,4-Trimethylbenzene

Concen: 56.755 ug/l

RT: 13.210 min Scan# 1976

Delta R.T. 0.000 min

Lab File: VD079779.D

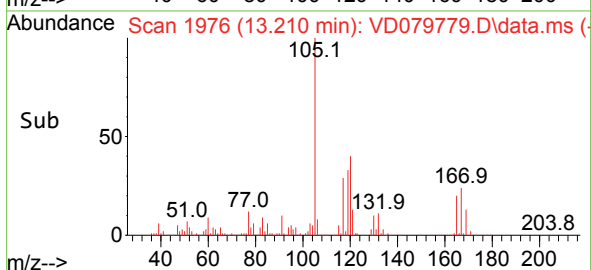
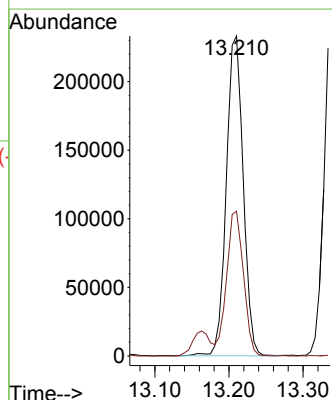
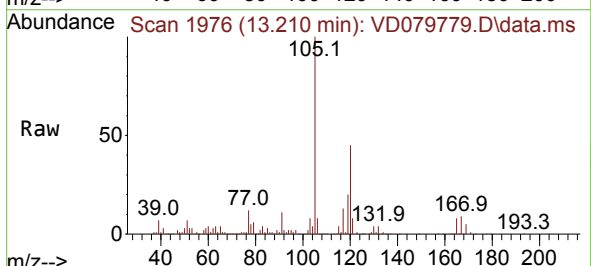
Acq: 04 Sep 2024 17:48

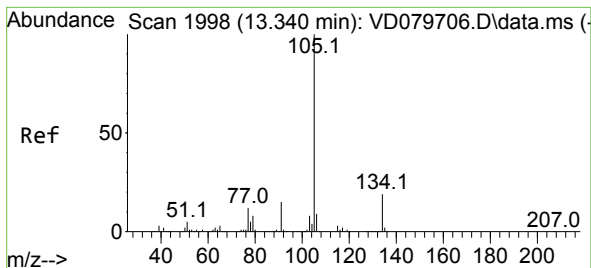
Tgt Ion:105 Resp: 368388

Ion Ratio Lower Upper

105 100

120 45.2 23.6 71.0





#85

sec-Butylbenzene

Concen: 55.582 ug/l

RT: 13.340 min Scan# 1998

Delta R.T. 0.000 min

Lab File: VD079779.D

Acq: 04 Sep 2024 17:48

Instrument :

MSVOA\_D

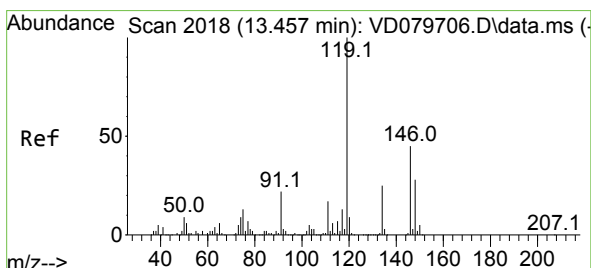
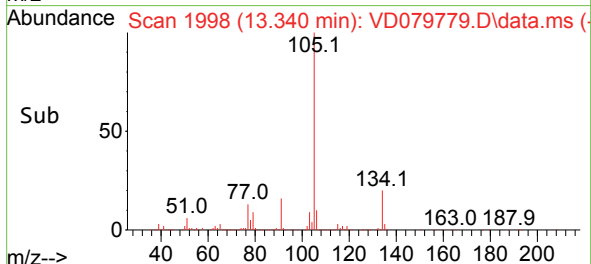
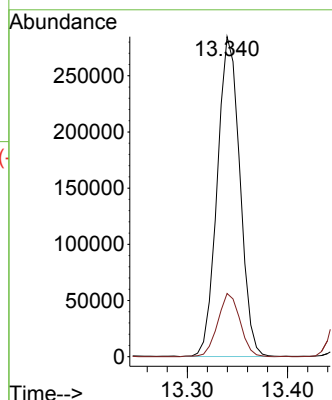
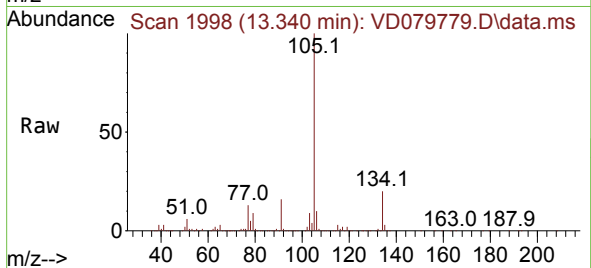
ClientSampleId :

Tgt Ion:105 Resp: 444341

Ion Ratio Lower Upper

105 100

134 19.5 10.3 30.8



#86

p-Isopropyltoluene

Concen: 50.985 ug/l

RT: 13.457 min Scan# 2018

Delta R.T. 0.000 min

Lab File: VD079779.D

Acq: 04 Sep 2024 17:48

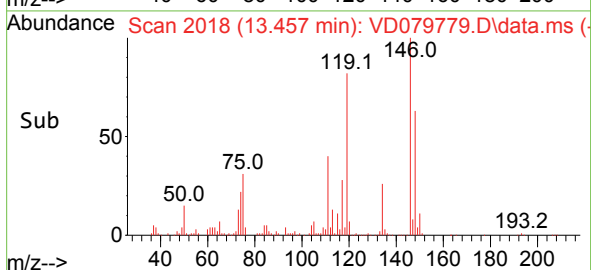
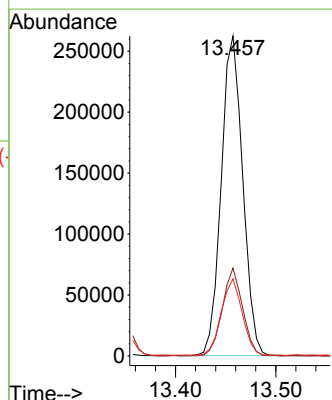
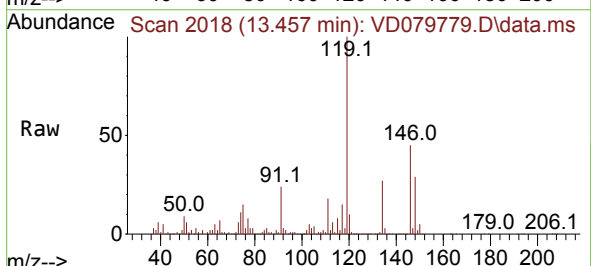
Tgt Ion:119 Resp: 390477

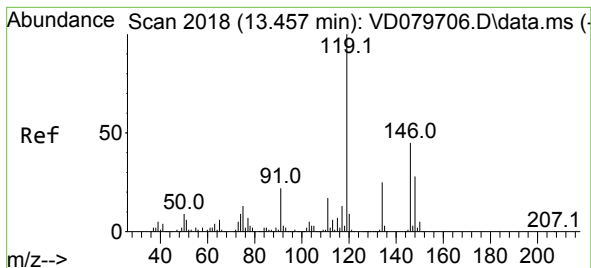
Ion Ratio Lower Upper

119 100

134 26.0 13.7 41.1

91 23.6 10.7 32.1





#87

1,3-Dichlorobenzene

Concen: 52.537 ug/l

RT: 13.457 min Scan# 2018

Delta R.T. 0.000 min

Lab File: VD079779.D

Acq: 04 Sep 2024 17:48

Instrument :

MSVOA\_D

ClientSampleId :

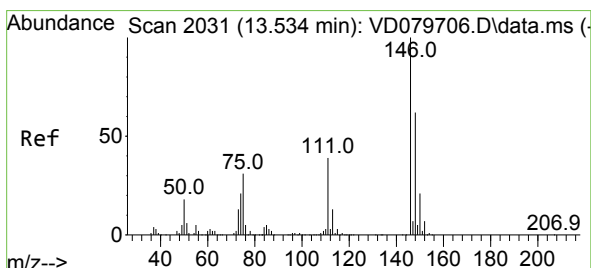
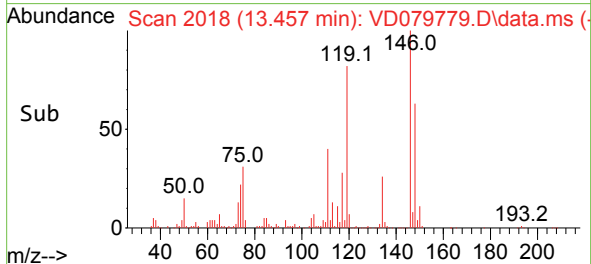
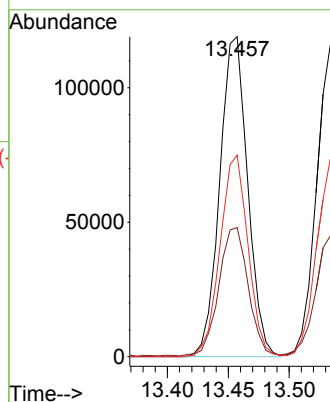
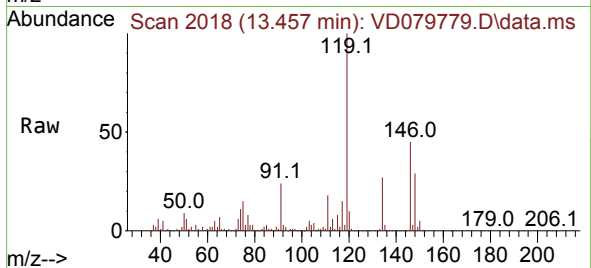
Tgt Ion:146 Resp: 189983

Ion Ratio Lower Upper

146 100

111 42.1 18.5 55.5

148 63.0 30.9 92.8



#88

1,4-Dichlorobenzene

Concen: 51.175 ug/l

RT: 13.534 min Scan# 2031

Delta R.T. 0.000 min

Lab File: VD079779.D

Acq: 04 Sep 2024 17:48

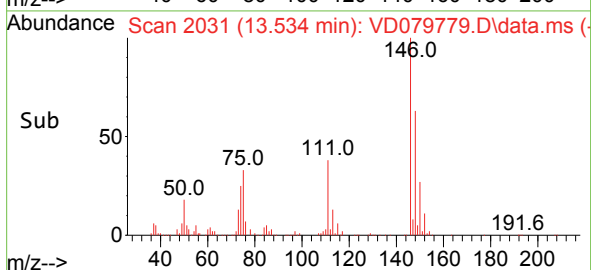
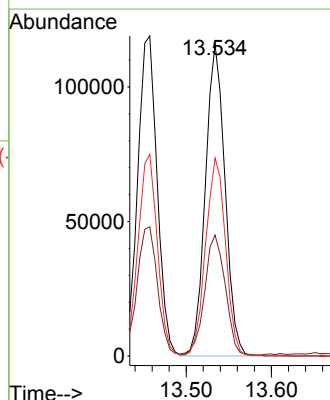
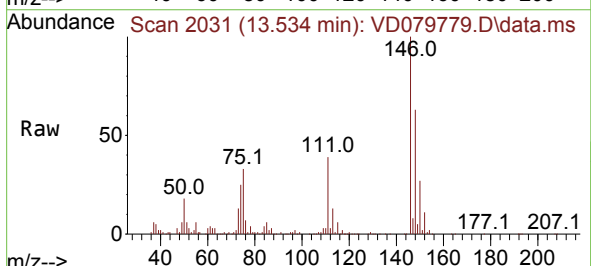
Tgt Ion:146 Resp: 185031

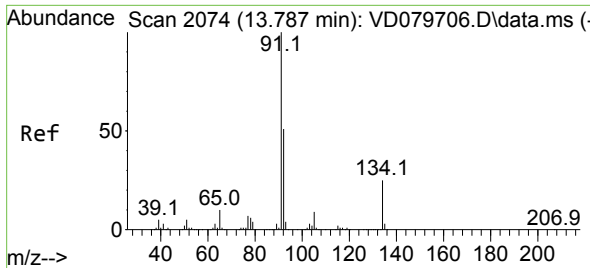
Ion Ratio Lower Upper

146 100

111 40.8 17.5 52.6

148 64.8 31.4 94.2

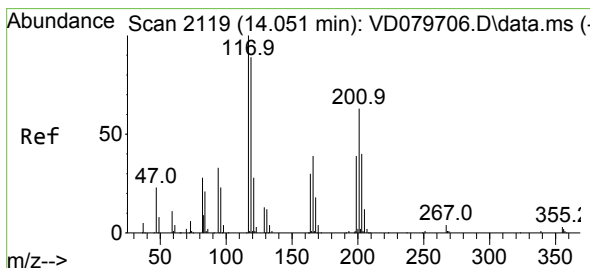
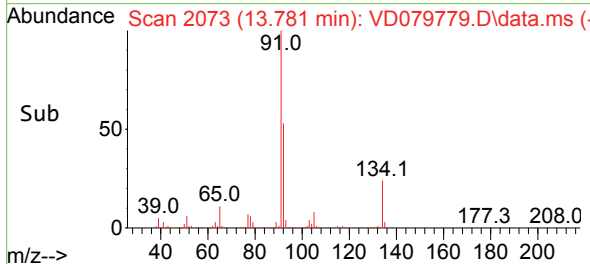
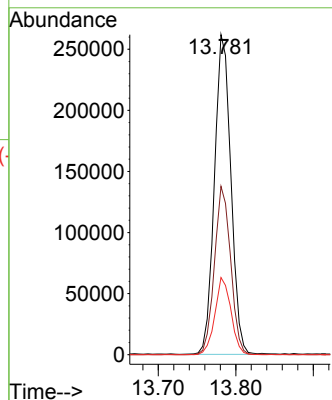
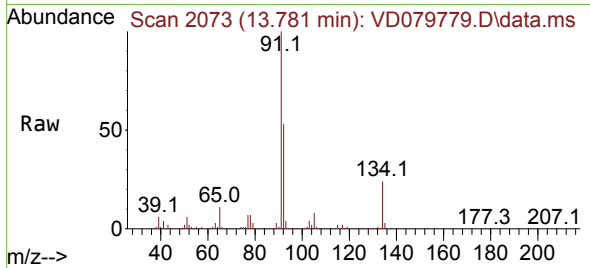




#89  
n-Butylbenzene  
Concen: 60.351 ug/l  
RT: 13.781 min Scan# 2074  
Delta R.T. -0.006 min  
Lab File: VD079779.D  
Acq: 04 Sep 2024 17:48

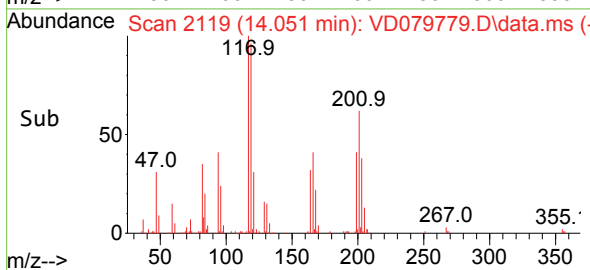
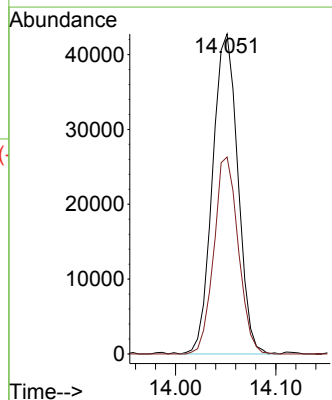
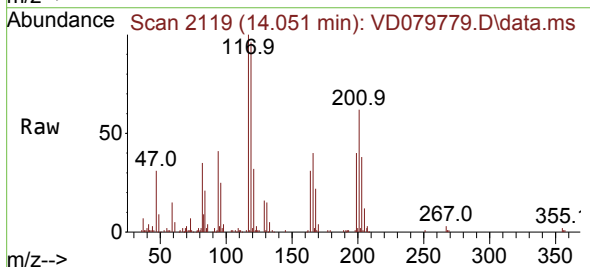
Instrument :  
MSVOA\_D  
ClientSampleId :

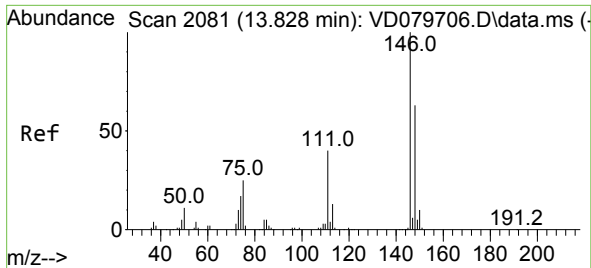
Tgt Ion: 91 Resp: 386521  
Ion Ratio Lower Upper  
91 100  
92 51.8 25.7 77.0  
134 23.6 13.6 40.8



#90  
Hexachloroethane  
Concen: 55.503 ug/l  
RT: 14.051 min Scan# 2119  
Delta R.T. 0.000 min  
Lab File: VD079779.D  
Acq: 04 Sep 2024 17:48

Tgt Ion: 117 Resp: 75027  
Ion Ratio Lower Upper  
117 100  
201 59.3 36.3 108.9





#91

1,2-Dichlorobenzene

Concen: 53.547 ug/l

RT: 13.828 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VD079779.D

Acq: 04 Sep 2024 17:48

Instrument :

MSVOA\_D

ClientSampleId :

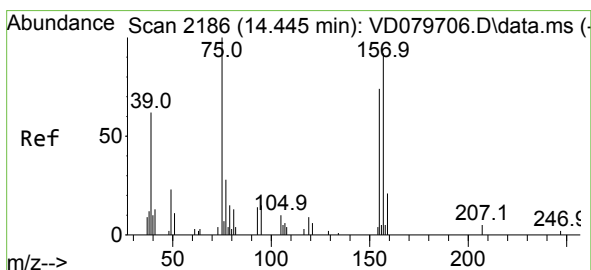
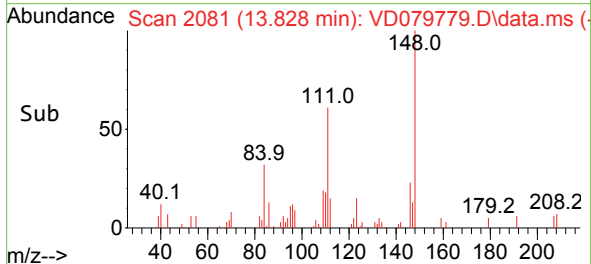
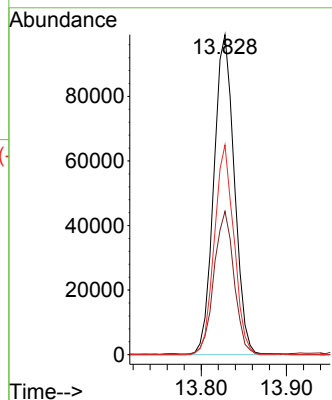
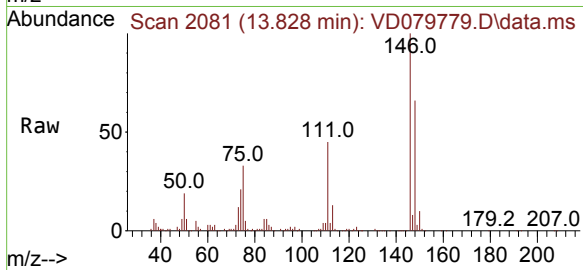
Tgt Ion:146 Resp: 165822

Ion Ratio Lower Upper

146 100

111 43.5 19.1 57.1

148 62.5 31.1 93.5



#92

1,2-Dibromo-3-Chloropropane

Concen: 58.435 ug/l

RT: 14.445 min Scan# 2186

Delta R.T. 0.000 min

Lab File: VD079779.D

Acq: 04 Sep 2024 17:48

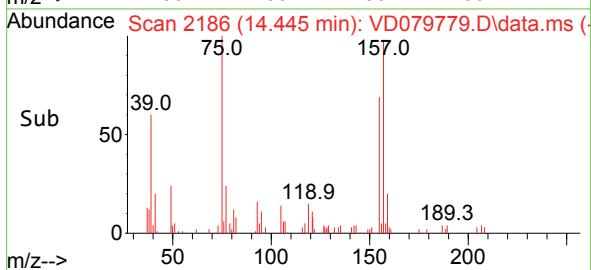
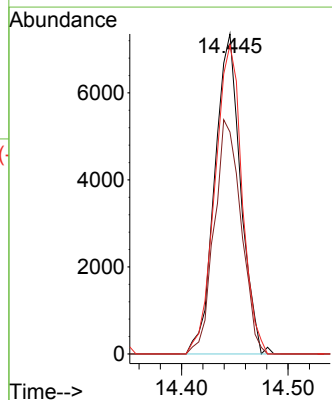
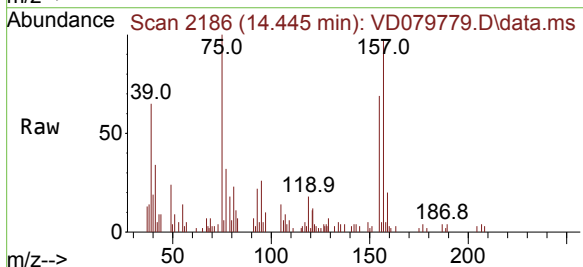
Tgt Ion: 75 Resp: 12395

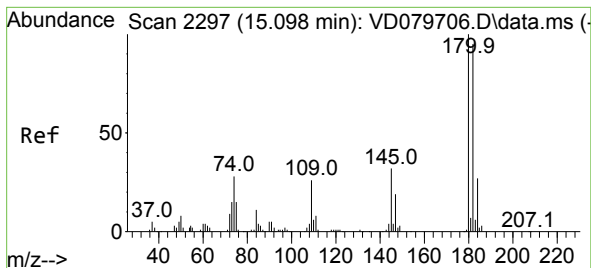
Ion Ratio Lower Upper

75 100

155 76.0 47.7 143.1

157 101.0 63.4 190.2





#93

1,2,4-Trichlorobenzene

Concen: 59.597 ug/l

RT: 15.092 min Scan# 2297

Delta R.T. -0.006 min

Lab File: VD079779.D

Acq: 04 Sep 2024 17:48

Instrument :

MSVOA\_D

ClientSampleId :

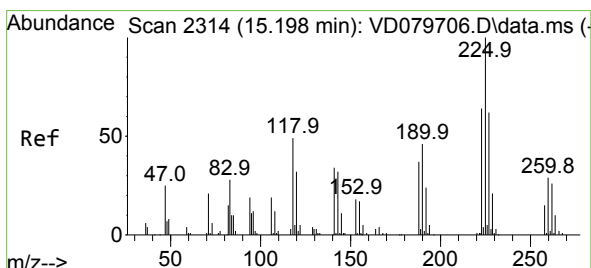
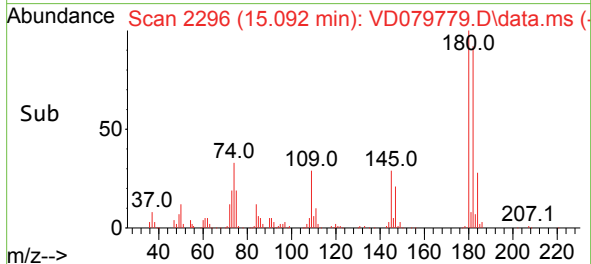
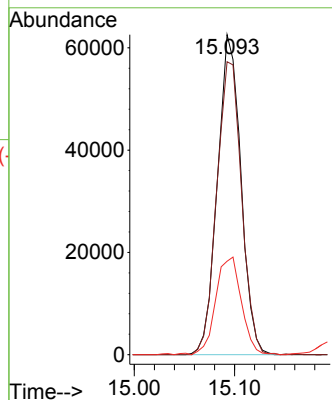
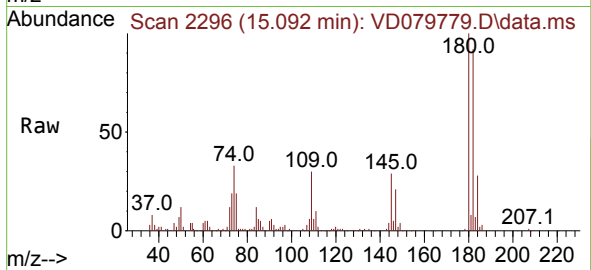
Tgt Ion:180 Resp: 101369

Ion Ratio Lower Upper

180 100

182 96.8 46.9 140.7

145 33.4 14.0 41.9



#94

Hexachlorobutadiene

Concen: 58.443 ug/l

RT: 15.198 min Scan# 2314

Delta R.T. 0.000 min

Lab File: VD079779.D

Acq: 04 Sep 2024 17:48

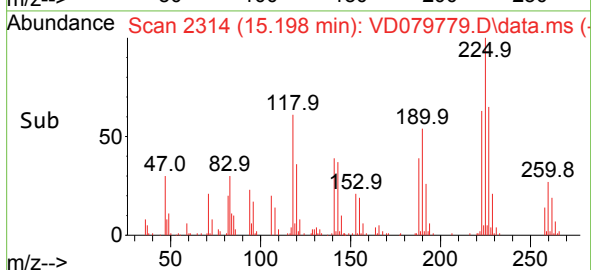
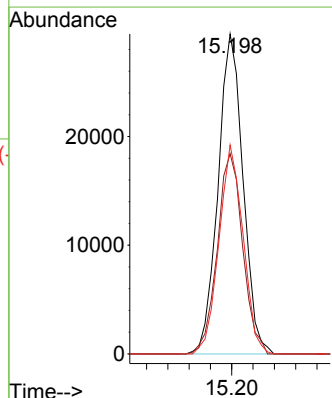
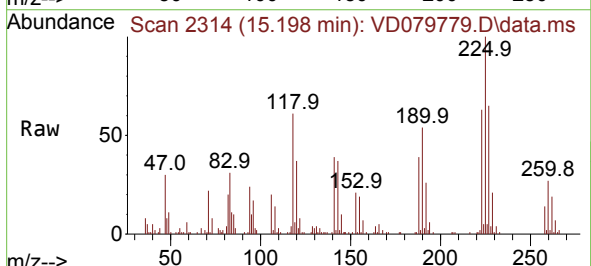
Tgt Ion:225 Resp: 47802

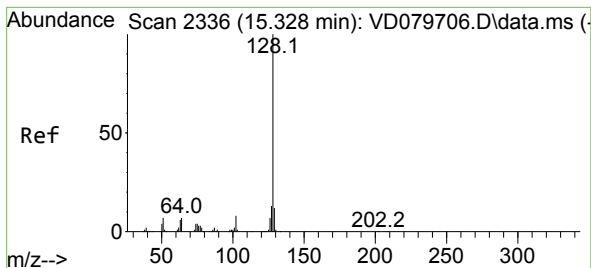
Ion Ratio Lower Upper

225 100

223 63.8 33.3 99.9

227 63.2 33.6 100.6





#95

Naphthalene

Concen: 69.909 ug/l

RT: 15.328 min Scan# 2336

Delta R.T. -0.000 min

Lab File: VD079779.D

Acq: 04 Sep 2024 17:48

Instrument :

MSVOA\_D

ClientSampleId :

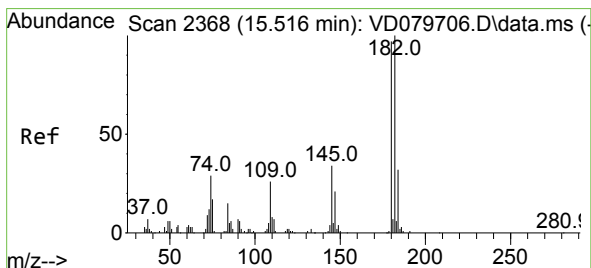
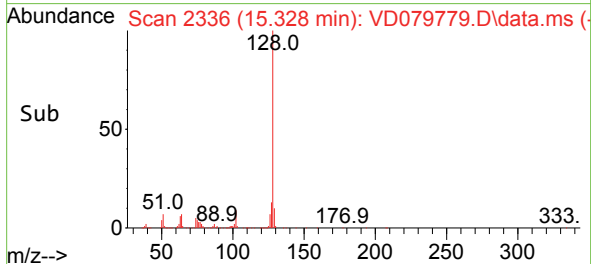
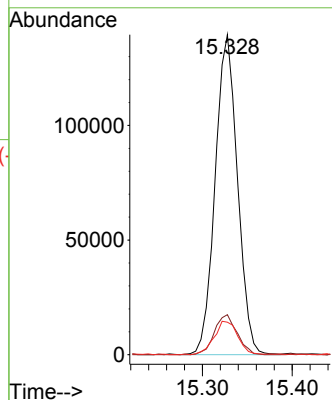
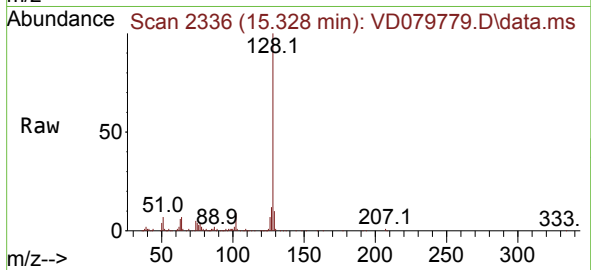
Tgt Ion:128 Resp: 241299

Ion Ratio Lower Upper

128 100

127 12.5 10.2 15.4

129 10.1 8.5 12.7



#96

1,2,3-Trichlorobenzene

Concen: 61.116 ug/l

RT: 15.516 min Scan# 2368

Delta R.T. 0.000 min

Lab File: VD079779.D

Acq: 04 Sep 2024 17:48

Tgt Ion:180 Resp: 90833

Ion Ratio Lower Upper

180 100

182 94.2 47.8 143.3

145 35.0 16.1 48.2

