

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD100623\  
 Data File : VD077277.D  
 Acq On : 05 Oct 2023 16:03  
 Operator : JC/SY  
 Sample : VSTDIC020  
 Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Oct 06 07:39:57 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D100623S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Oct 06 07:36:35 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.875  | 168  | 191564   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.775  | 114  | 326776   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.581 | 117  | 310478   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.516 | 152  | 165047   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.228  | 65    | 42438    | 18.258   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 36.520%# |
| 35) Dibromofluoromethane    | 7.798  | 113   | 50055    | 18.319   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 36.640%# |
| 50) Toluene-d8              | 10.269 | 98    | 162783   | 16.770   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 33.540%# |
| 62) 4-Bromofluorobenzene    | 12.569 | 95    | 54393    | 18.015   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 36.040%  |

|                              |       |     |        |         |        |     |
|------------------------------|-------|-----|--------|---------|--------|-----|
| Target Compounds             |       |     |        |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.928 | 85  | 51555  | 20.881  | ug/l   | 99  |
| 3) Chloromethane             | 2.146 | 50  | 80379  | 20.888  | ug/l   | 97  |
| 4) Vinyl Chloride            | 2.281 | 62  | 97695  | 20.744  | ug/l   | 98  |
| 5) Bromomethane              | 2.675 | 94  | 72326  | 21.738  | ug/l   | 99  |
| 6) Chloroethane              | 2.828 | 64  | 58275  | 20.781  | ug/l   | 100 |
| 7) Trichlorofluoromethane    | 3.169 | 101 | 100096 | 22.744  | ug/l   | 94  |
| 8) Diethyl Ether             | 3.593 | 74  | 27133  | 18.991  | ug/l   | 84  |
| 9) 1,1,2-Trichlorotrifluo... | 3.963 | 101 | 59132  | 19.852  | ug/l   | 99  |
| 10) Methyl Iodide            | 4.158 | 142 | 72190  | 19.671  | ug/l # | 90  |
| 11) Tert butyl alcohol       | 5.046 | 59  | 15481  | 97.671  | ug/l   | 96  |
| 12) 1,1-Dichloroethene       | 3.934 | 96  | 57219  | 19.681  | ug/l   | 92  |
| 13) Acrolein                 | 3.793 | 56  | 10869  | 68.253  | ug/l   | 97  |
| 14) Allyl chloride           | 4.558 | 41  | 72697  | 19.271  | ug/l   | 92  |
| 15) Acrylonitrile            | 5.246 | 53  | 64465  | 97.835  | ug/l   | 99  |
| 16) Acetone                  | 4.010 | 43  | 56099  | 94.933  | ug/l # | 79  |
| 17) Carbon Disulfide         | 4.263 | 76  | 197328 | 20.134  | ug/l   | 98  |
| 18) Methyl Acetate           | 4.563 | 43  | 46106  | 19.515  | ug/l   | 90  |
| 19) Methyl tert-butyl Ether  | 5.316 | 73  | 117168 | 19.423  | ug/l   | 94  |
| 20) Methylene Chloride       | 4.799 | 84  | 96259  | 20.963  | ug/l   | 92  |
| 21) trans-1,2-Dichloroethene | 5.305 | 96  | 67476  | 19.659  | ug/l   | 93  |
| 22) Diisopropyl ether        | 6.210 | 45  | 161748 | 20.174  | ug/l   | 95  |
| 23) Vinyl Acetate            | 6.152 | 43  | 381116 | 116.267 | ug/l # | 92  |
| 24) 1,1-Dichloroethane       | 6.110 | 63  | 114912 | 20.137  | ug/l   | 98  |
| 25) 2-Butanone               | 7.081 | 43  | 78392  | 97.211  | ug/l   | 88  |
| 26) 2,2-Dichloropropane      | 7.075 | 77  | 95650  | 19.640  | ug/l   | 95  |
| 27) cis-1,2-Dichloroethene   | 7.075 | 96  | 72908  | 19.815  | ug/l   | 94  |
| 28) Bromochloromethane       | 7.422 | 49  | 46851  | 24.856  | ug/l # | 78  |
| 29) Tetrahydrofuran          | 7.440 | 42  | 45856  | 99.330  | ug/l   | 86  |
| 30) Chloroform               | 7.593 | 83  | 118436 | 19.967  | ug/l   | 97  |
| 31) Cyclohexane              | 7.875 | 56  | 89984  | 19.042  | ug/l   | 95  |
| 32) 1,1,1-Trichloroethane    | 7.787 | 97  | 100271 | 19.776  | ug/l   | 100 |
| 36) 1,1-Dichloropropene      | 8.010 | 75  | 86844  | 19.067  | ug/l   | 97  |
| 37) Ethyl Acetate            | 7.163 | 43  | 35090  | 19.350  | ug/l   | 95  |
| 38) Carbon Tetrachloride     | 7.987 | 117 | 82611  | 19.598  | ug/l   | 94  |
| 39) Methylcyclohexane        | 9.269 | 83  | 99595  | 19.098  | ug/l   | 90  |
| 40) Benzene                  | 8.251 | 78  | 267611 | 19.723  | ug/l   | 99  |

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 Sample : VSTDIC020  
 Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Oct 06 07:39:57 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D100623S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Oct 06 07:36:35 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.393  | 41   | 17829    | 19.180  | ug/l   | 94       |
| 42) 1,2-Dichloroethane        | 8.322  | 62   | 64731    | 20.125  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.357  | 43   | 62668    | 19.590  | ug/l # | 90       |
| 44) Trichloroethene           | 9.028  | 130  | 67753    | 19.508  | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 9.304  | 63   | 66210    | 19.834  | ug/l   | 97       |
| 46) Dibromomethane            | 9.393  | 93   | 36073    | 19.376  | ug/l   | 90       |
| 47) Bromodichloromethane      | 9.581  | 83   | 86102    | 19.952  | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.381  | 41   | 29526    | 19.924  | ug/l # | 80       |
| 49) 1,4-Dioxane               | 9.381  | 88   | 7253     | 391.347 | ug/l   | 89       |
| 51) 4-Methyl-2-Pentanone      | 10.157 | 43   | 162243   | 97.734  | ug/l   | 90       |
| 52) Toluene                   | 10.334 | 92   | 165736   | 19.923  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene     | 10.557 | 75   | 77754    | 18.839  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 10.016 | 75   | 97997    | 19.781  | ug/l # | 94       |
| 55) 1,1,2-Trichloroethane     | 10.734 | 97   | 50202    | 19.768  | ug/l   | 92       |
| 56) Ethyl methacrylate        | 10.598 | 69   | 52009    | 18.780  | ug/l # | 90       |
| 57) 1,3-Dichloropropane       | 10.881 | 76   | 82787    | 19.943  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.869  | 63   | 61964    | 74.137  | ug/l   | 95       |
| 59) 2-Hexanone                | 10.922 | 43   | 113891   | 95.818  | ug/l   | 89       |
| 60) Dibromochloromethane      | 11.075 | 129  | 59082    | 20.324  | ug/l   | 94       |
| 61) 1,2-Dibromoethane         | 11.181 | 107  | 46344    | 19.616  | ug/l   | 97       |
| 64) Tetrachloroethene         | 10.810 | 164  | 56727    | 19.930  | ug/l   | 91       |
| 65) Chlorobenzene             | 11.610 | 112  | 173812   | 19.865  | ug/l   | 96       |
| 66) 1,1,1,2-Tetrachloroethane | 11.681 | 131  | 61762    | 20.028  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.687 | 91   | 299966   | 19.248  | ug/l   | 97       |
| 68) m/p-Xylenes               | 11.792 | 106  | 239091   | 39.474  | ug/l   | 89       |
| 69) o-Xylene                  | 12.122 | 106  | 107092   | 19.459  | ug/l   | 92       |
| 70) Styrene                   | 12.134 | 104  | 189306   | 20.024  | ug/l   | 97       |
| 71) Bromoform                 | 12.298 | 173  | 34277    | 20.013  | ug/l # | 97       |
| 73) Isopropylbenzene          | 12.422 | 105  | 279362   | 18.708  | ug/l   | 98       |
| 74) N-amyl acetate            | 12.234 | 43   | 56901    | 18.555  | ug/l   | 92       |
| 75) 1,1,2,2-Tetrachloroethane | 12.669 | 83   | 58040    | 19.560  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.722 | 75   | 68104    | 41.933  | ug/l # | 100      |
| 77) Bromobenzene              | 12.698 | 156  | 67648    | 19.410  | ug/l   | 88       |
| 78) n-propylbenzene           | 12.763 | 91   | 357795   | 19.085  | ug/l   | 95       |
| 79) 2-Chlorotoluene           | 12.845 | 91   | 192051   | 19.036  | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 238237   | 19.304  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-b... | 12.469 | 75   | 17265    | 17.940  | ug/l   | 98       |
| 82) 4-Chlorotoluene           | 12.945 | 91   | 206140   | 19.399  | ug/l   | 95       |
| 83) tert-Butylbenzene         | 13.169 | 119  | 199398   | 18.954  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 13.210 | 105  | 239743   | 19.431  | ug/l   | 95       |
| 85) sec-Butylbenzene          | 13.345 | 105  | 305455   | 18.936  | ug/l   | 97       |
| 86) p-Isopropyltoluene        | 13.457 | 119  | 252762   | 18.863  | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene       | 13.457 | 146  | 140316   | 19.394  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene       | 13.539 | 146  | 139515   | 19.491  | ug/l   | 98       |
| 89) n-Butylbenzene            | 13.786 | 91   | 238582   | 18.481  | ug/l   | 97       |
| 90) Hexachloroethane          | 14.051 | 117  | 51634    | 19.245  | ug/l   | 89       |
| 91) 1,2-Dichlorobenzene       | 13.833 | 146  | 119798   | 19.401  | ug/l   | 96       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.445 | 75   | 7083     | 18.434  | ug/l   | 94       |
| 93) 1,2,4-Trichlorobenzene    | 15.098 | 180  | 68740    | 18.528  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.204 | 225  | 36708    | 18.777  | ug/l   | 98       |
| 95) Naphthalene               | 15.333 | 128  | 127954   | 17.923  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.522 | 180  | 60972    | 18.473  | ug/l   | 98       |

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Sample : VSTDIC020  
Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :

Quant Time: Oct 06 07:39:57 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D100623S.M  
Quant Title : SW846 8260  
QLast Update : Fri Oct 06 07:36:35 2023  
Response via : Initial Calibration

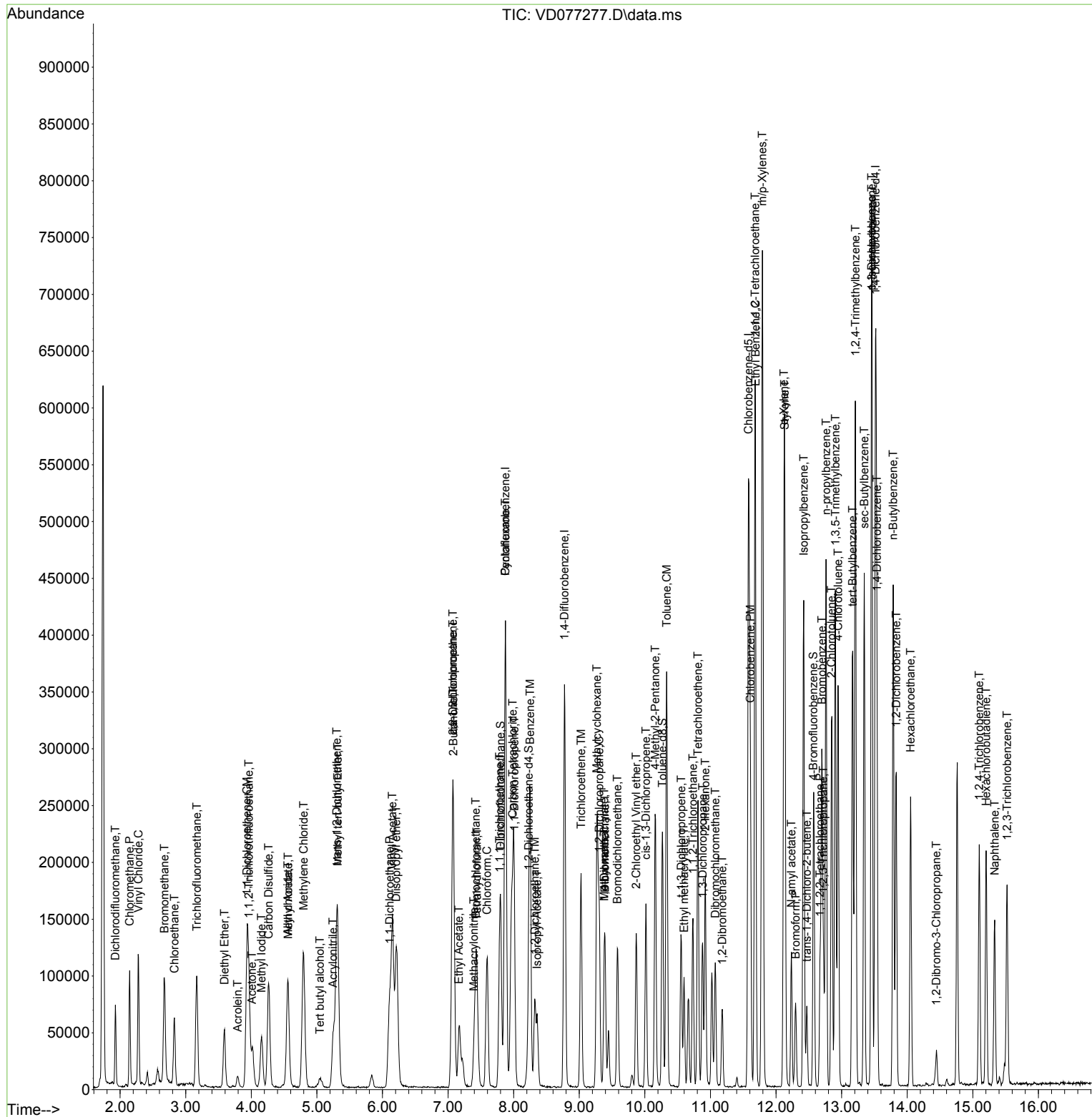
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

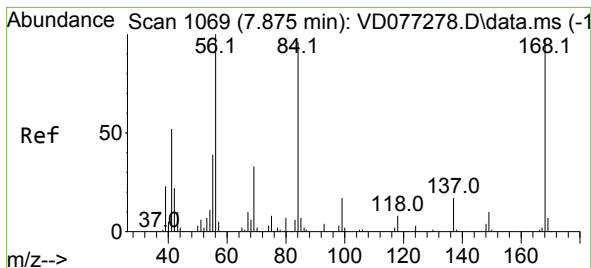
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Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD100623\  
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 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.000 min

Lab File: VD077277.D

Acq: 05 Oct 2023 16:03

Instrument :

MSVOA\_D

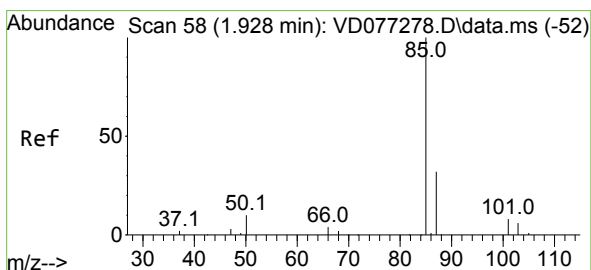
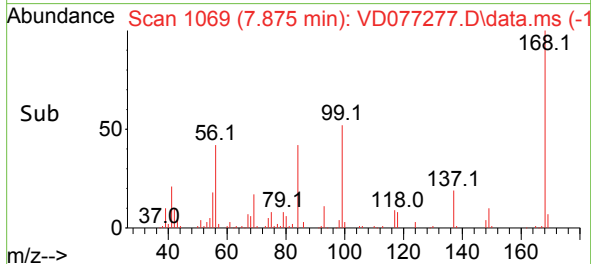
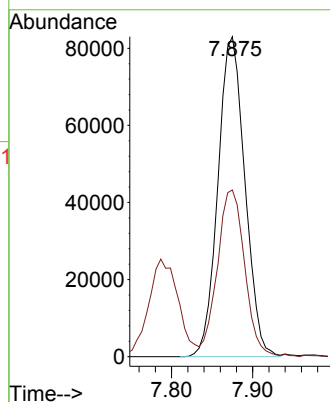
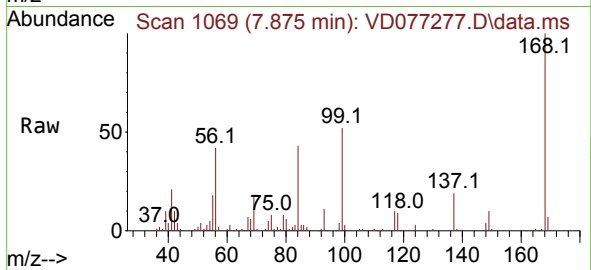
ClientSampleId :

Tgt Ion:168 Resp: 191564

Ion Ratio Lower Upper

168 100

99 51.7 36.7 55.1



#2

Dichlorodifluoromethane

Concen: 20.881 ug/l

RT: 1.928 min Scan# 58

Delta R.T. -0.000 min

Lab File: VD077277.D

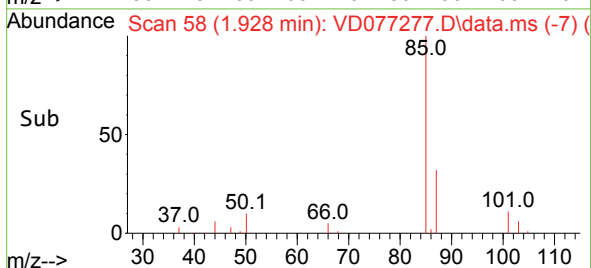
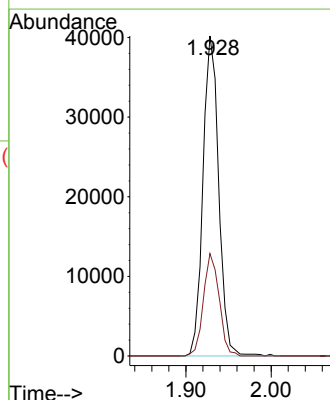
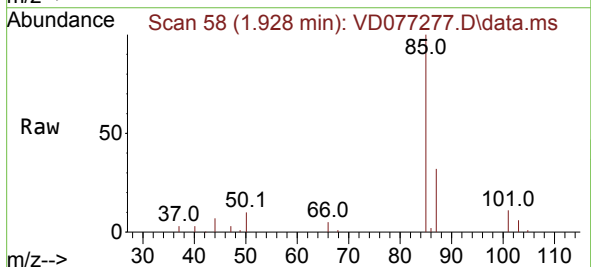
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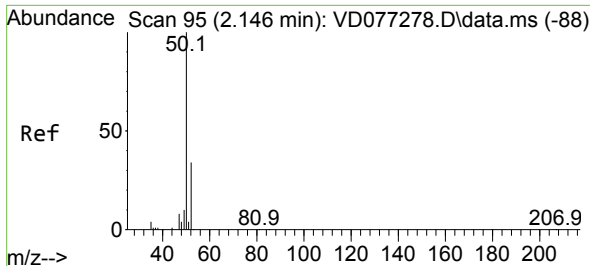
Tgt Ion: 85 Resp: 51555

Ion Ratio Lower Upper

85 100

87 32.0 15.7 47.0

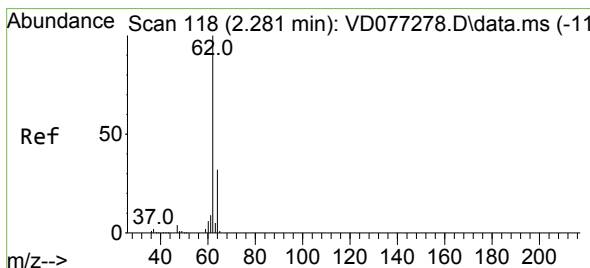
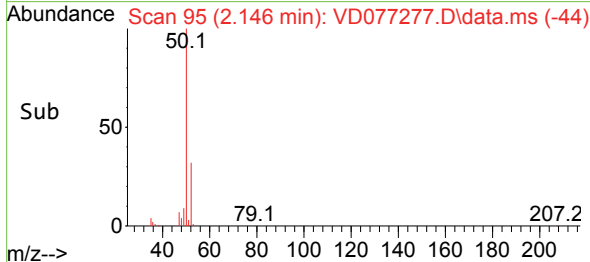
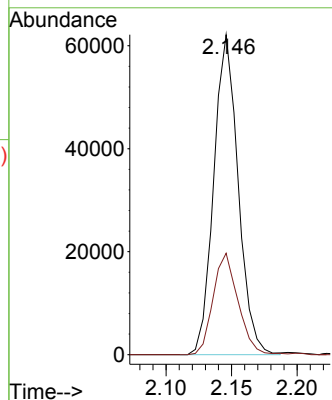
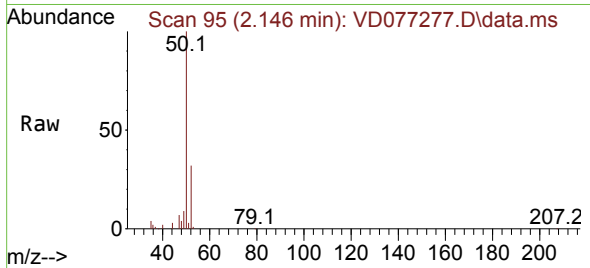




#3  
Chloromethane  
Concen: 20.888 ug/l  
RT: 2.146 min Scan# 95  
Delta R.T. -0.000 min  
Lab File: VD077277.D  
Acq: 05 Oct 2023 16:03

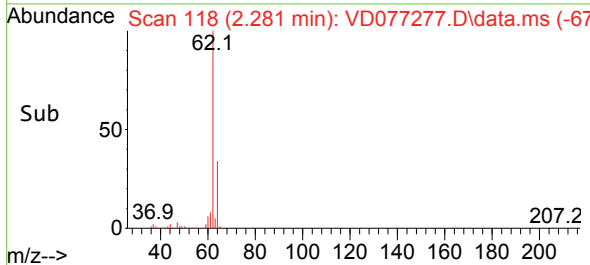
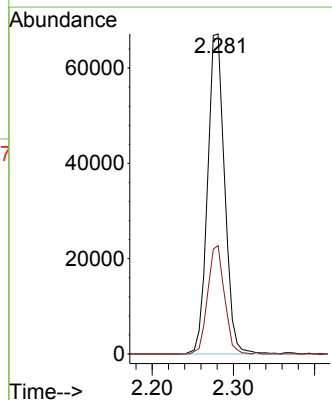
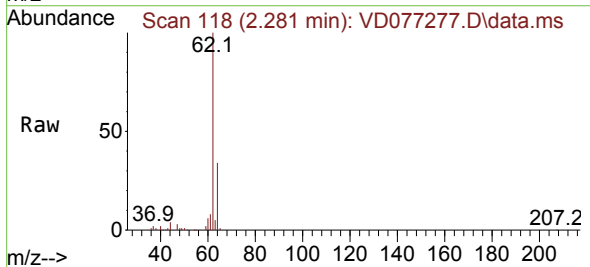
Instrument :  
MSVOA\_D  
ClientSampleId :

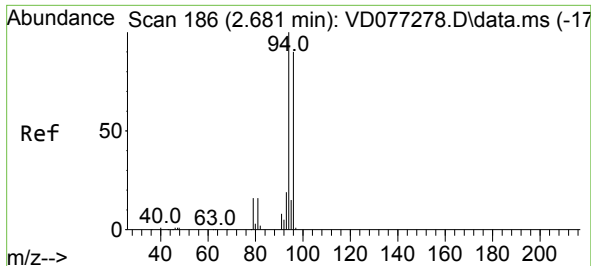
Tgt Ion: 50 Resp: 80379  
Ion Ratio Lower Upper  
50 100  
52 31.7 26.6 40.0



#4  
Vinyl Chloride  
Concen: 20.744 ug/l  
RT: 2.281 min Scan# 118  
Delta R.T. -0.000 min  
Lab File: VD077277.D  
Acq: 05 Oct 2023 16:03

Tgt Ion: 62 Resp: 97695  
Ion Ratio Lower Upper  
62 100  
64 33.9 26.0 39.0

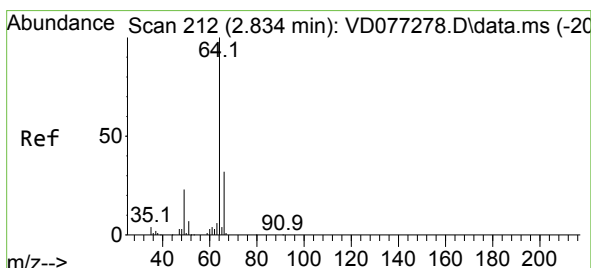
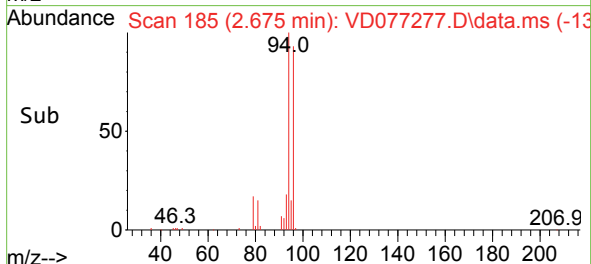
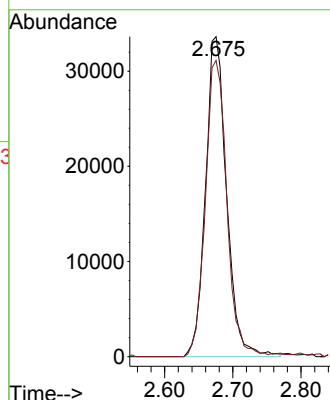
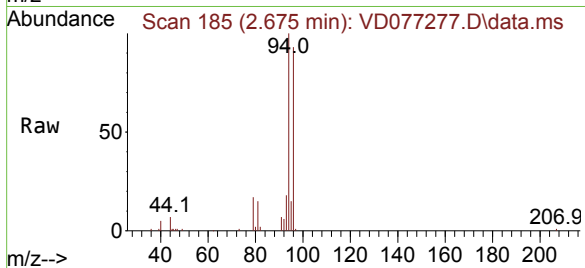




#5  
Bromomethane  
Concen: 21.738 ug/l  
RT: 2.675 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VD077277.D  
Acq: 05 Oct 2023 16:03

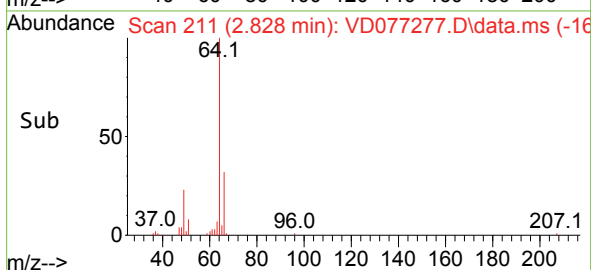
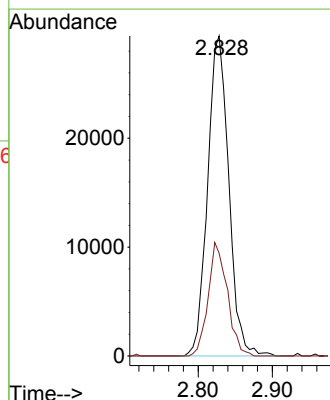
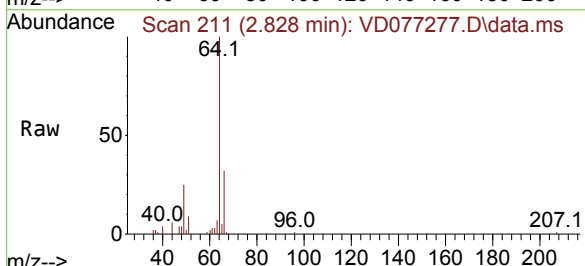
Instrument :  
MSVOA\_D  
ClientSampleId :

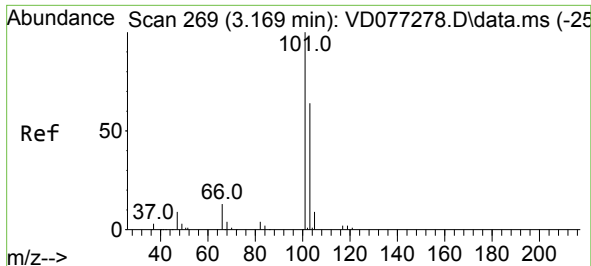
Tgt Ion: 94 Resp: 72326  
Ion Ratio Lower Upper  
94 100  
96 94.1 75.8 113.8



#6  
Chloroethane  
Concen: 20.781 ug/l  
RT: 2.828 min Scan# 211  
Delta R.T. -0.006 min  
Lab File: VD077277.D  
Acq: 05 Oct 2023 16:03

Tgt Ion: 64 Resp: 58275  
Ion Ratio Lower Upper  
64 100  
66 32.2 25.5 38.3

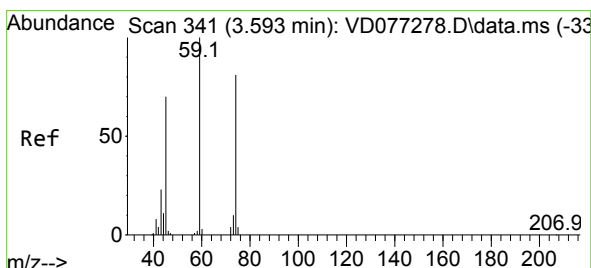
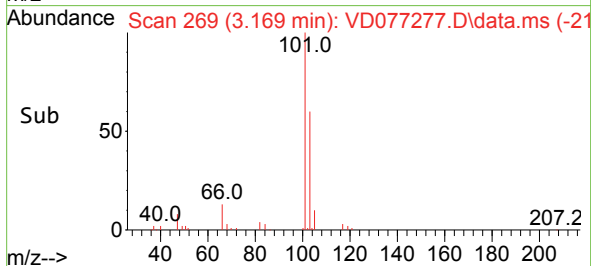
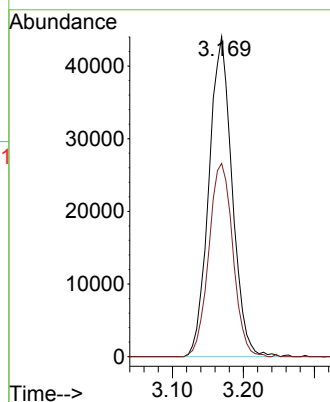
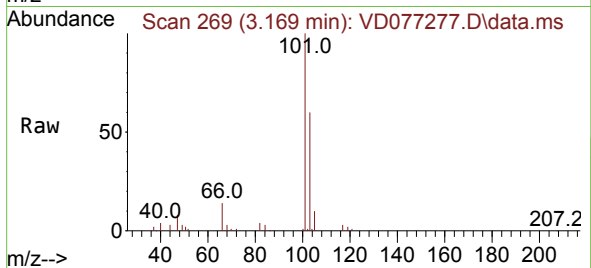




#7  
 Trichlorofluoromethane  
 Concen: 22.744 ug/l  
 RT: 3.169 min Scan# 207  
 Delta R.T. 0.000 min  
 Lab File: VD077277.D  
 Acq: 05 Oct 2023 16:03

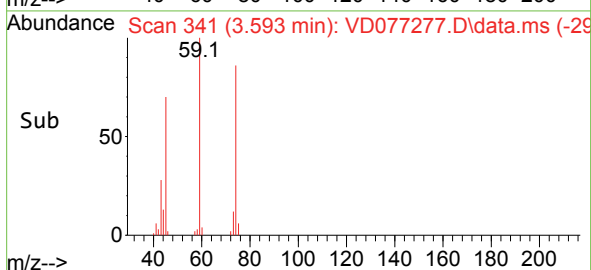
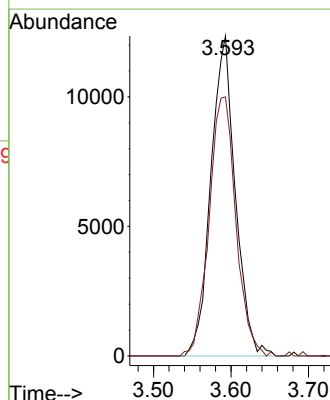
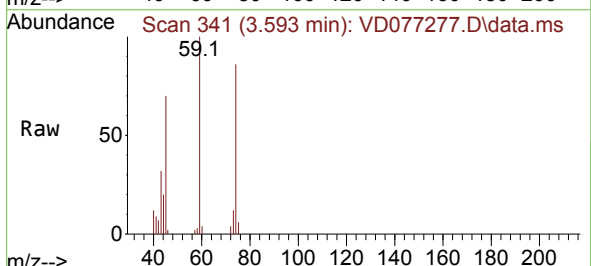
Instrument :  
 MSVOA\_D  
 ClientSampleId :

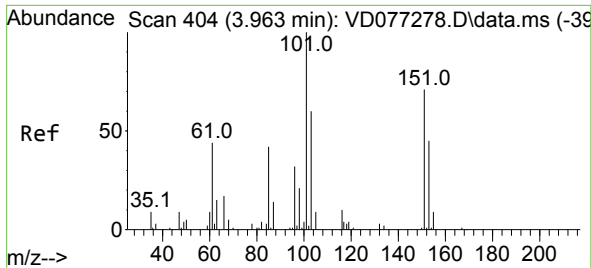
Tgt Ion:101 Resp: 100096  
 Ion Ratio Lower Upper  
 101 100  
 103 60.4 52.3 78.5



#8  
 Diethyl Ether  
 Concen: 18.991 ug/l  
 RT: 3.593 min Scan# 341  
 Delta R.T. -0.000 min  
 Lab File: VD077277.D  
 Acq: 05 Oct 2023 16:03

Tgt Ion: 74 Resp: 27133  
 Ion Ratio Lower Upper  
 74 100  
 45 88.7 37.5 112.7

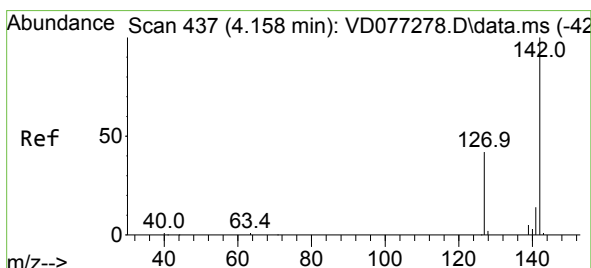
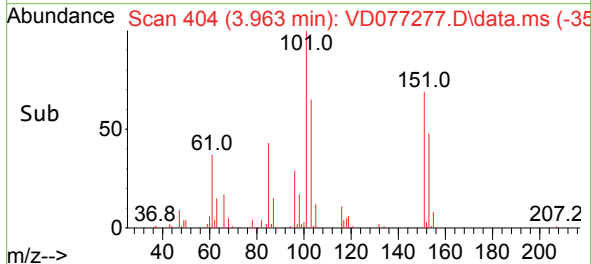
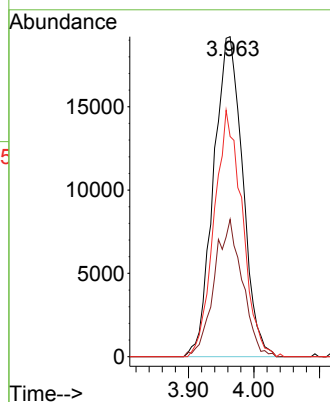
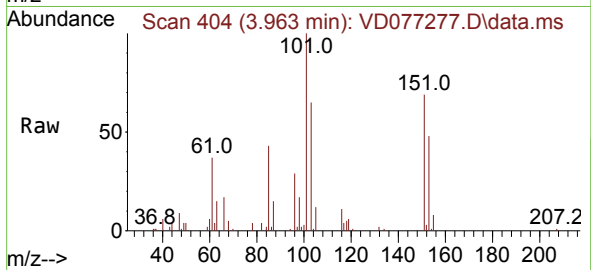




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 19.852 ug/l  
RT: 3.963 min Scan# 404  
Delta R.T. -0.000 min  
Lab File: VD077277.D  
Acq: 05 Oct 2023 16:03

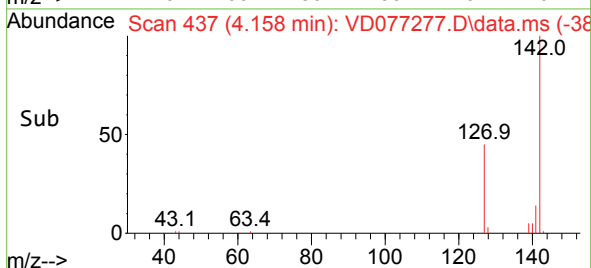
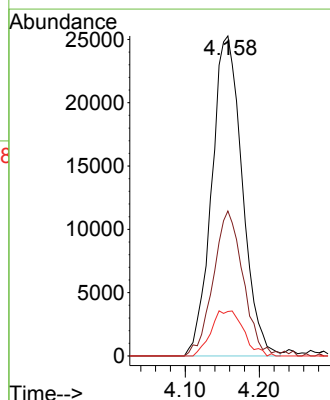
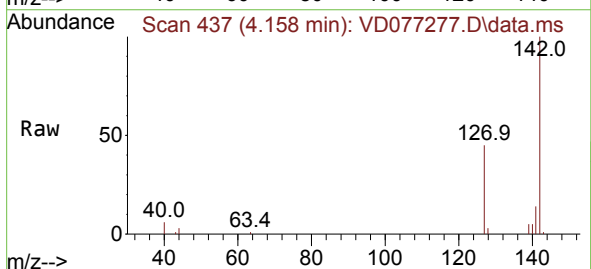
Instrument :  
MSVOA\_D  
ClientSampleId :

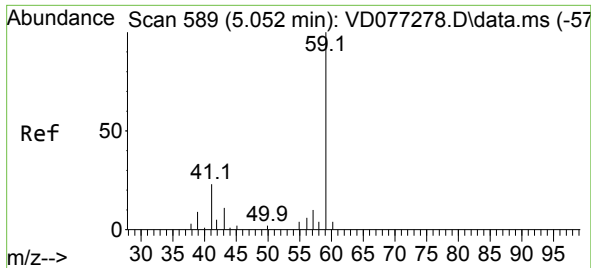
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 101   | Resp: | 59132 |
| Ion      | Ratio | Lower | Upper |
| 101      | 100   |       |       |
| 85       | 41.5  | 33.8  | 50.6  |
| 151      | 74.5  | 59.8  | 89.6  |



#10  
Methyl Iodide  
Concen: 19.671 ug/l  
RT: 4.158 min Scan# 437  
Delta R.T. -0.000 min  
Lab File: VD077277.D  
Acq: 05 Oct 2023 16:03

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 142   | Resp: | 72190 |
| Ion      | Ratio | Lower | Upper |
| 142      | 100   |       |       |
| 127      | 44.4  | 29.4  | 44.0# |
| 141      | 15.0  | 11.1  | 16.7  |

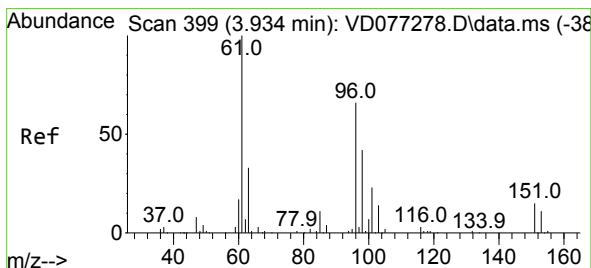
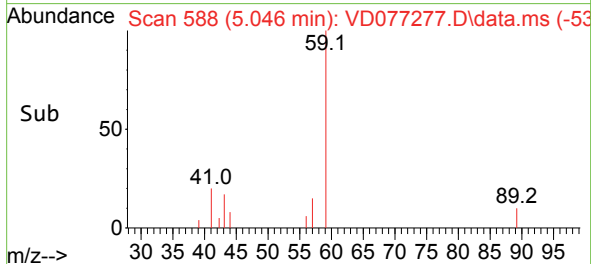
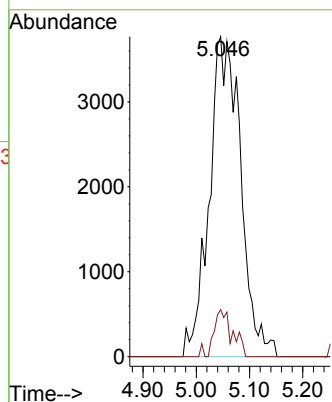
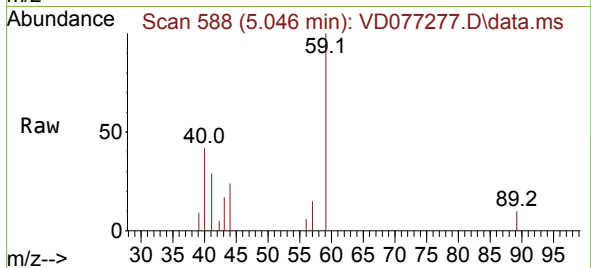




#11  
Tert butyl alcohol  
Concen: 97.671 ug/l  
RT: 5.046 min Scan# 588  
Delta R.T. -0.006 min  
Lab File: VD077277.D  
Acq: 05 Oct 2023 16:03

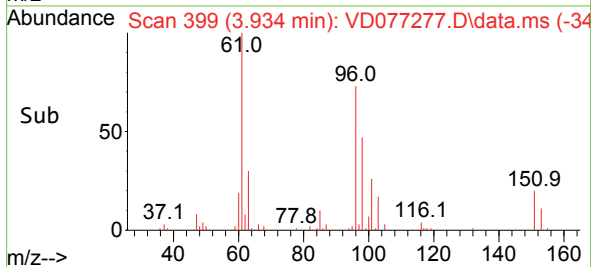
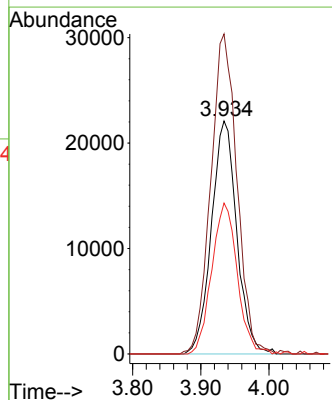
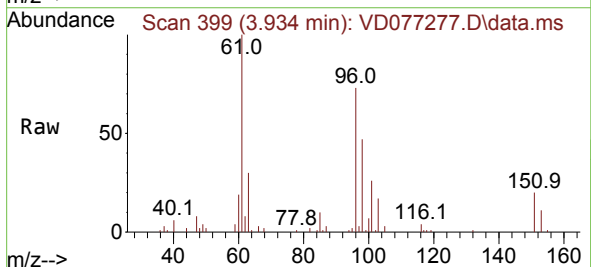
Instrument :  
MSVOA\_D  
ClientSampleId :

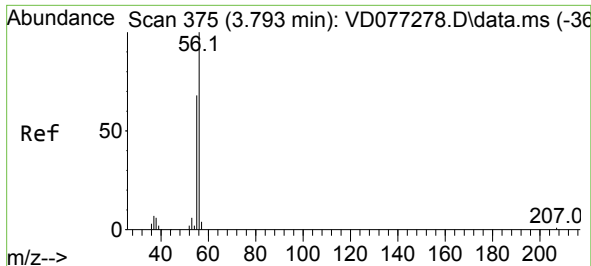
Tgt Ion: 59 Resp: 15481  
Ion Ratio Lower Upper  
59 100  
57 8.3 7.8 11.8



#12  
1,1-Dichloroethene  
Concen: 19.681 ug/l  
RT: 3.934 min Scan# 399  
Delta R.T. -0.000 min  
Lab File: VD077277.D  
Acq: 05 Oct 2023 16:03

Tgt Ion: 96 Resp: 57219  
Ion Ratio Lower Upper  
96 100  
61 137.3 100.6 150.8  
98 64.8 50.2 75.2





#13

Acrolein

Concen: 68.253 ug/l

RT: 3.793 min Scan# 31

Delta R.T. -0.000 min

Lab File: VD077277.D

Acq: 05 Oct 2023 16:03

Instrument :

MSVOA\_D

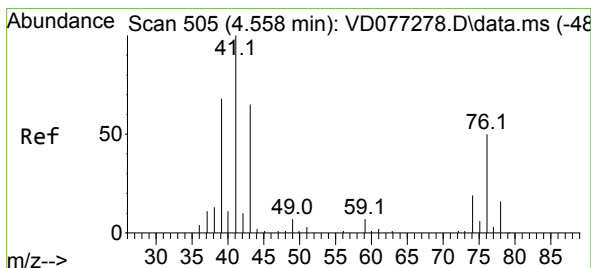
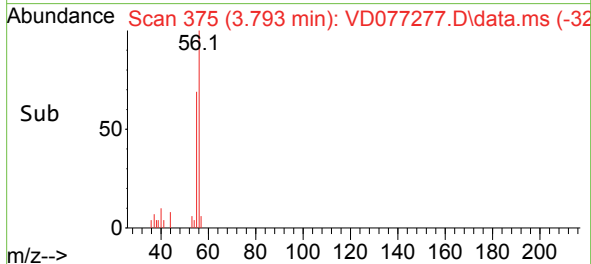
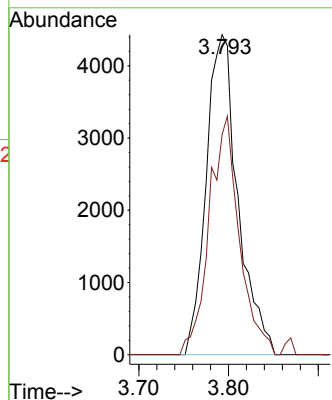
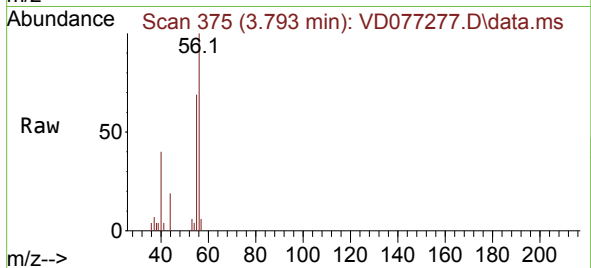
ClientSampleId :

Tgt Ion: 56 Resp: 10869

Ion Ratio Lower Upper

56 100

55 71.0 55.1 82.7



#14

Allyl chloride

Concen: 19.271 ug/l

RT: 4.558 min Scan# 505

Delta R.T. -0.000 min

Lab File: VD077277.D

Acq: 05 Oct 2023 16:03

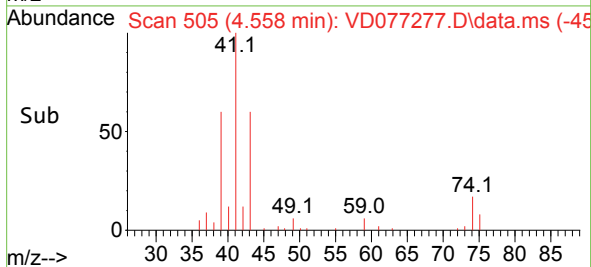
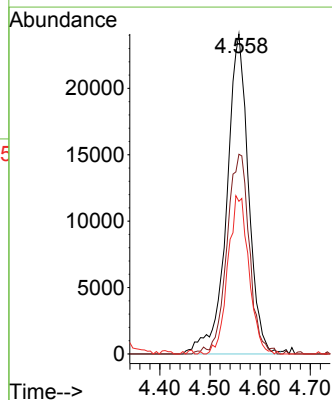
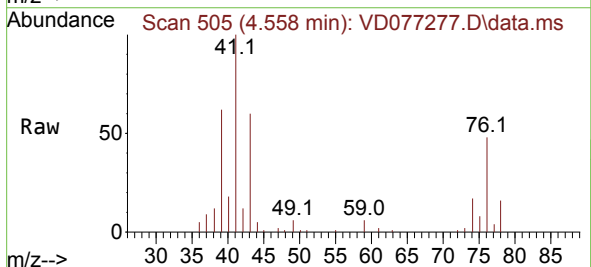
Tgt Ion: 41 Resp: 72697

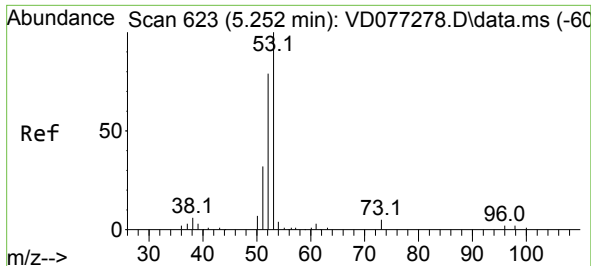
Ion Ratio Lower Upper

41 100

39 64.6 53.8 80.6

76 47.7 45.8 68.8

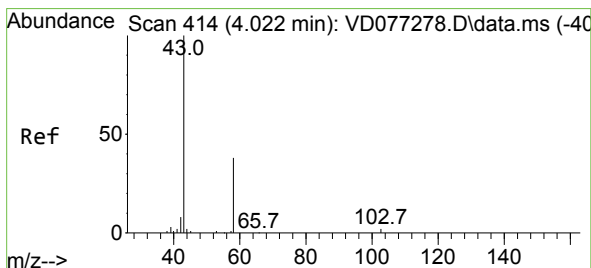
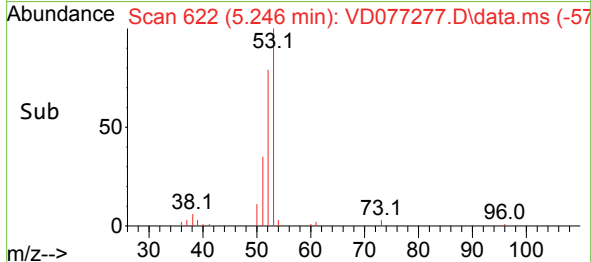
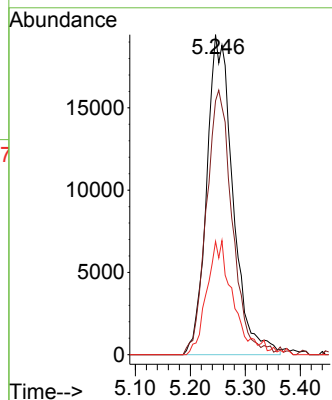
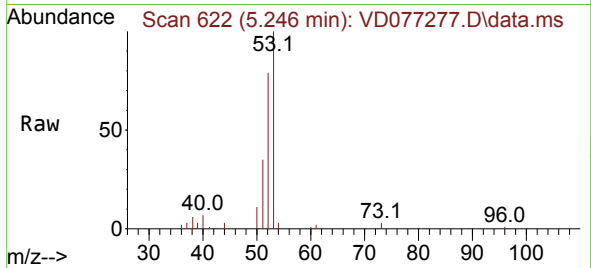




#15  
Acrylonitrile  
Concen: 97.835 ug/l  
RT: 5.246 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: VD077277.D  
Acq: 05 Oct 2023 16:03

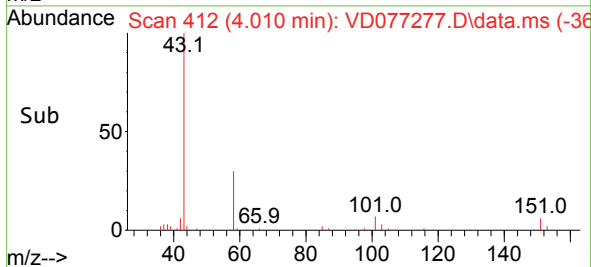
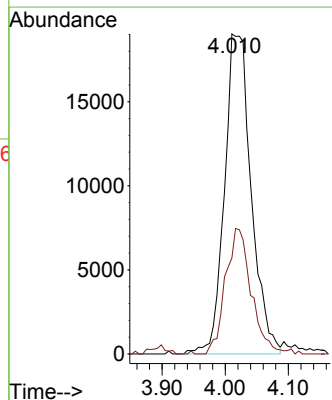
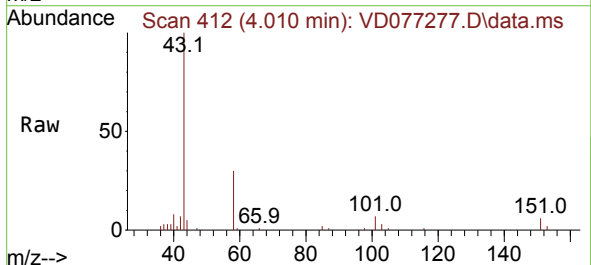
Instrument :  
MSVOA\_D  
ClientSampleId :

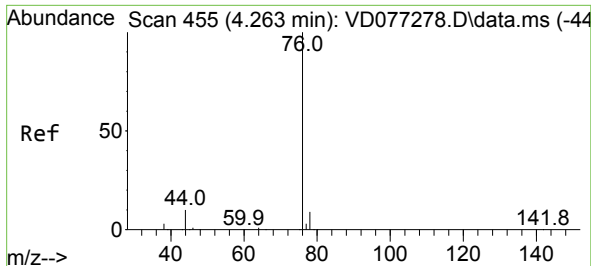
Tgt Ion: 53 Resp: 64465  
Ion Ratio Lower Upper  
53 100  
52 81.7 65.0 97.4  
51 36.0 28.3 42.5



#16  
Acetone  
Concen: 94.933 ug/l  
RT: 4.010 min Scan# 412  
Delta R.T. -0.012 min  
Lab File: VD077277.D  
Acq: 05 Oct 2023 16:03

Tgt Ion: 43 Resp: 56099  
Ion Ratio Lower Upper  
43 100  
58 30.0 34.7 52.1#

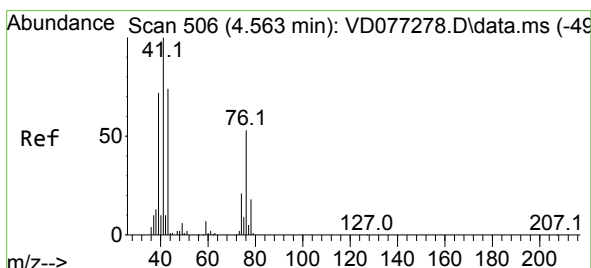
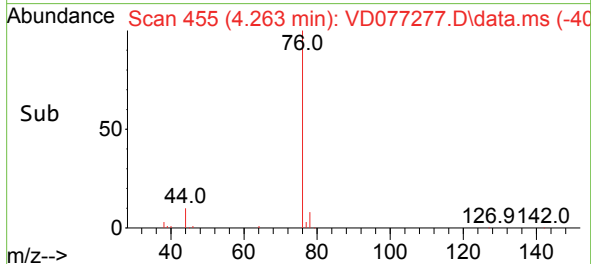
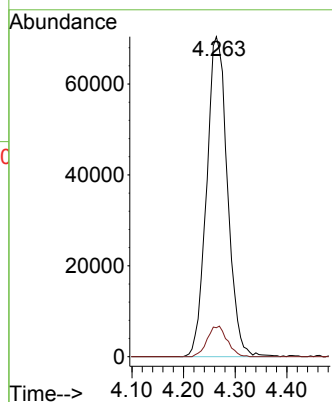
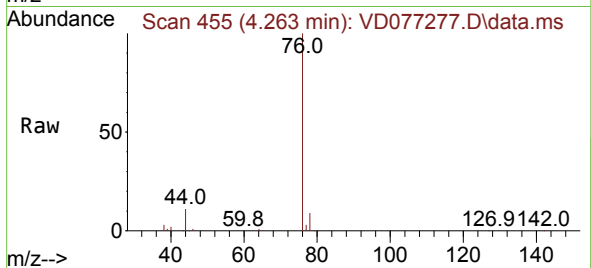




#17  
Carbon Disulfide  
Concen: 20.134 ug/l  
RT: 4.263 min Scan# 455  
Delta R.T. -0.000 min  
Lab File: VD077277.D  
Acq: 05 Oct 2023 16:03

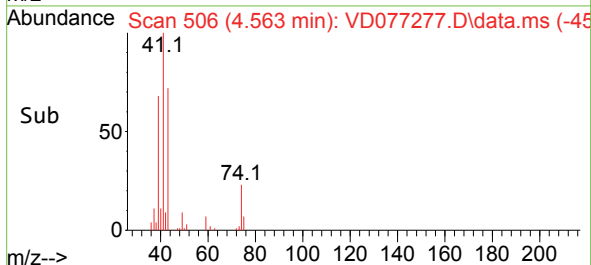
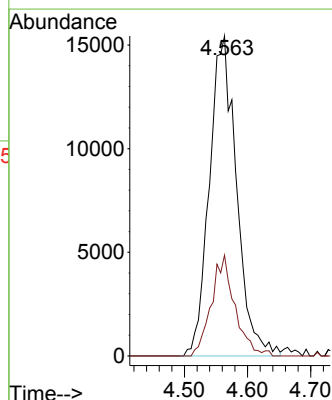
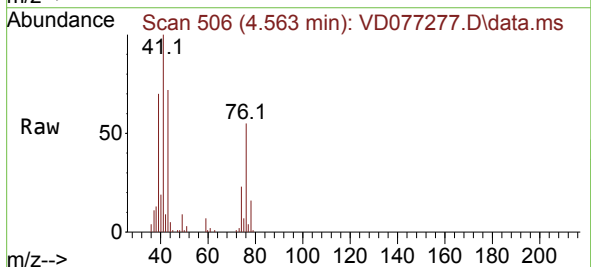
Instrument :  
MSVOA\_D  
ClientSampleId :

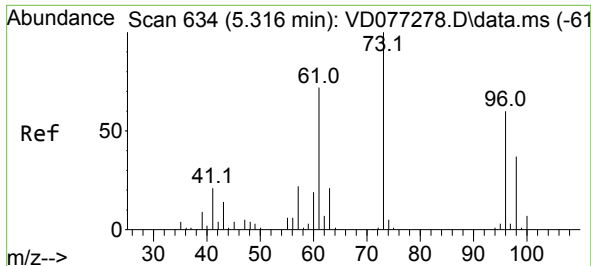
Tgt Ion: 76 Resp: 197328  
Ion Ratio Lower Upper  
76 100  
78 9.1 6.8 10.2



#18  
Methyl Acetate  
Concen: 19.515 ug/l  
RT: 4.563 min Scan# 506  
Delta R.T. -0.000 min  
Lab File: VD077277.D  
Acq: 05 Oct 2023 16:03

Tgt Ion: 43 Resp: 46106  
Ion Ratio Lower Upper  
43 100  
74 27.3 26.4 39.6





#19

Methyl tert-butyl Ether

Concen: 19.423 ug/l

RT: 5.316 min Scan# 61

Delta R.T. -0.000 min

Lab File: VD077277.D

Acq: 05 Oct 2023 16:03

Instrument :

MSVOA\_D

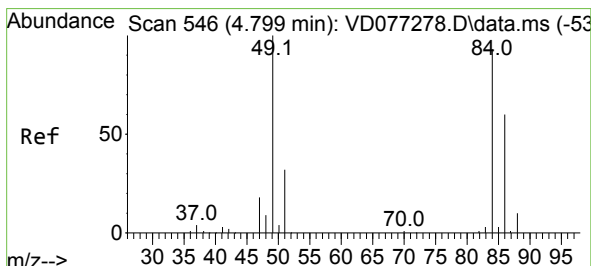
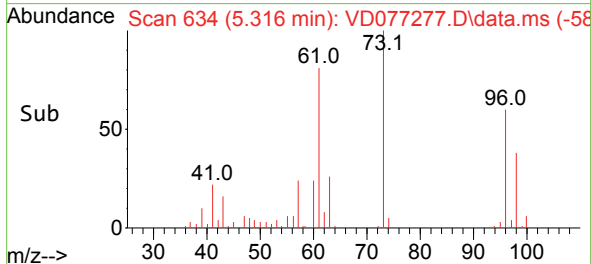
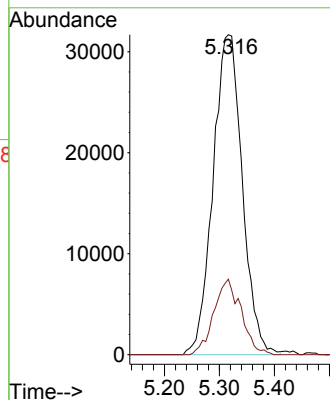
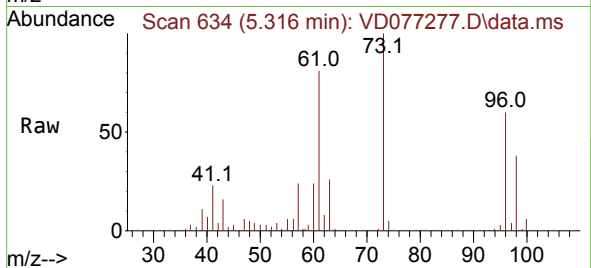
ClientSampleId :

Tgt Ion: 73 Resp: 117168

Ion Ratio Lower Upper

73 100

57 23.6 16.6 25.0



#20

Methylene Chloride

Concen: 20.963 ug/l

RT: 4.799 min Scan# 546

Delta R.T. -0.000 min

Lab File: VD077277.D

Acq: 05 Oct 2023 16:03

Tgt Ion: 84 Resp: 96259

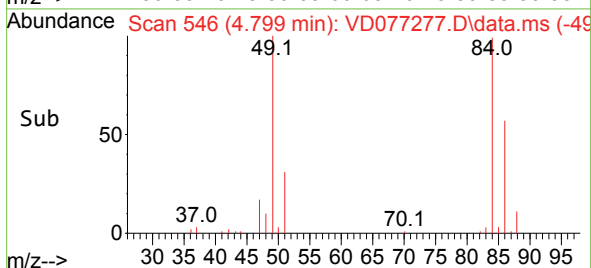
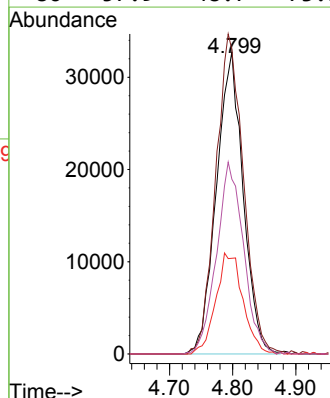
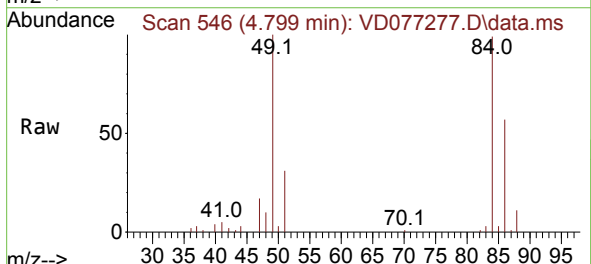
Ion Ratio Lower Upper

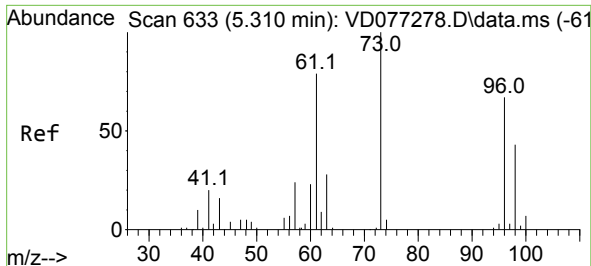
84 100

49 100.7 71.4 107.2

51 31.7 24.5 36.7

86 57.9 48.7 73.1





#21

trans-1,2-Dichloroethene

Concen: 19.659 ug/l

RT: 5.305 min Scan# 61

Delta R.T. -0.006 min

Lab File: VD077277.D

Acq: 05 Oct 2023 16:03

Instrument :

MSVOA\_D

ClientSampleId :

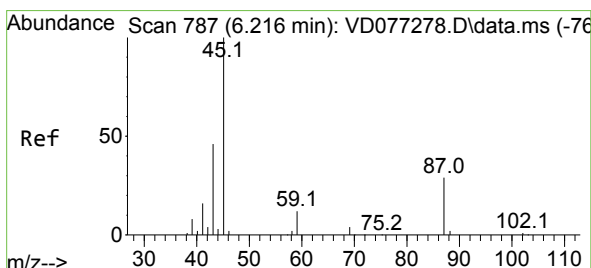
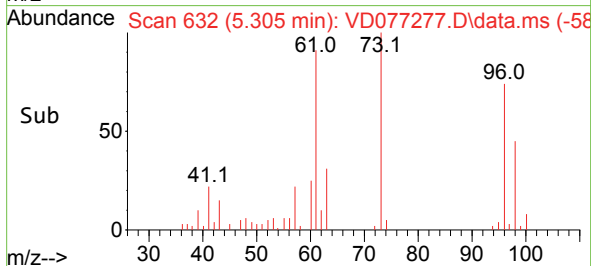
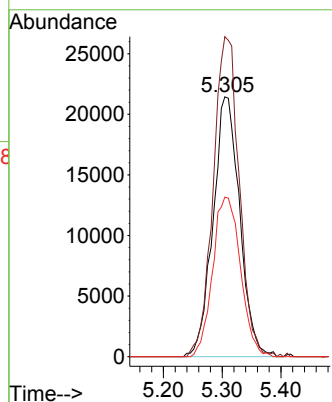
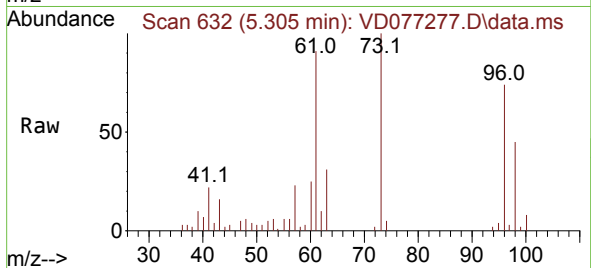
Tgt Ion: 96 Resp: 67476

Ion Ratio Lower Upper

96 100

61 123.2 89.3 133.9

98 61.4 48.6 73.0



#22

Diisopropyl ether

Concen: 20.174 ug/l

RT: 6.210 min Scan# 786

Delta R.T. -0.006 min

Lab File: VD077277.D

Acq: 05 Oct 2023 16:03

Tgt Ion: 45 Resp: 161748

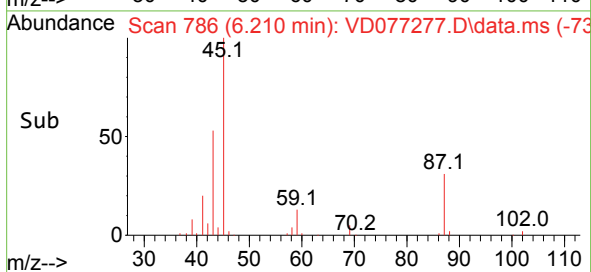
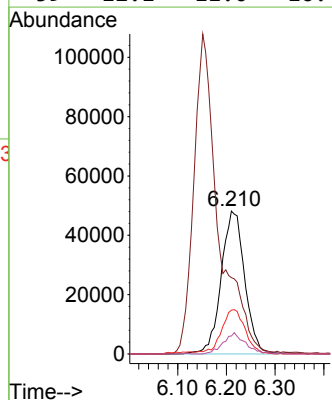
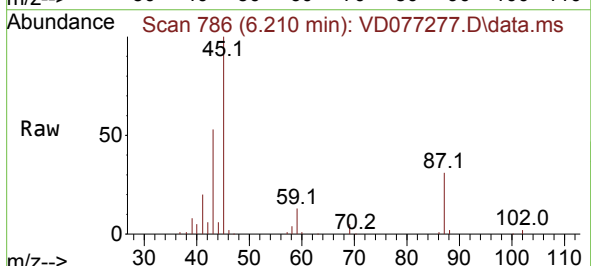
Ion Ratio Lower Upper

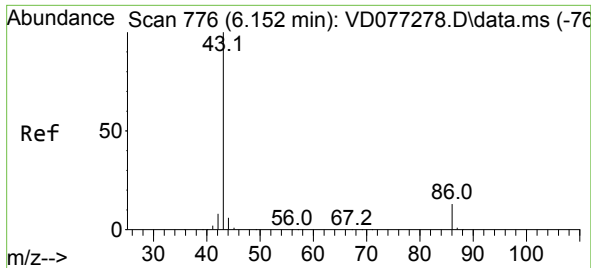
45 100

43 52.3 40.0 60.0

87 30.4 28.2 42.4

59 12.1 11.0 16.4

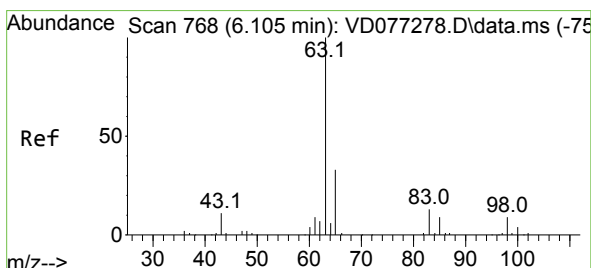
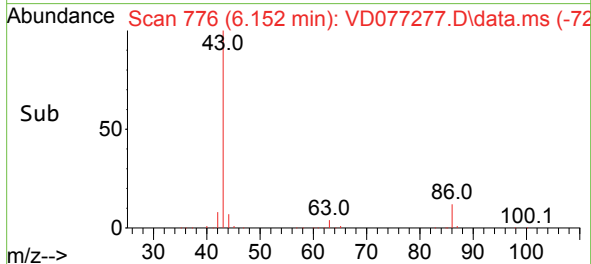
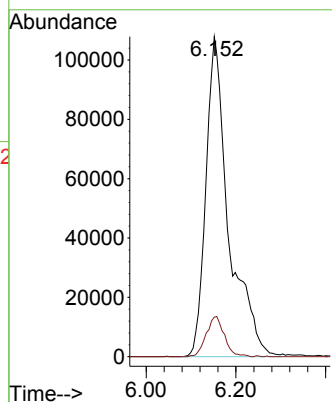
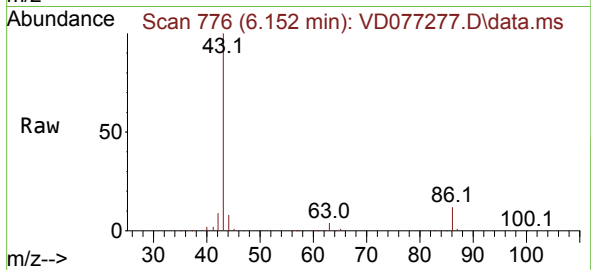




#23  
 Vinyl Acetate  
 Concen: 116.267 ug/l  
 RT: 6.152 min Scan# 776  
 Delta R.T. -0.000 min  
 Lab File: VD077277.D  
 Acq: 05 Oct 2023 16:03

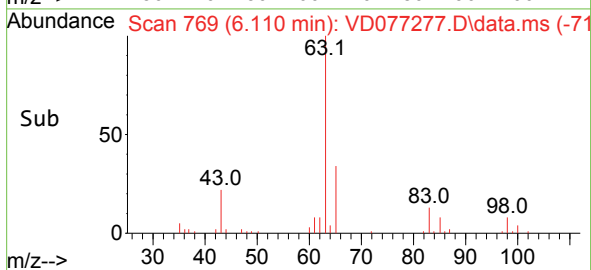
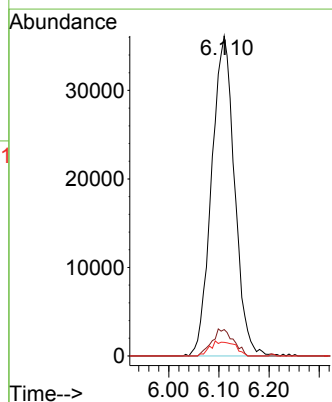
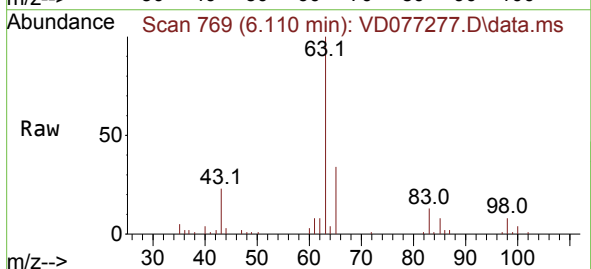
Instrument :  
 MSVOA\_D  
 ClientSampleId :

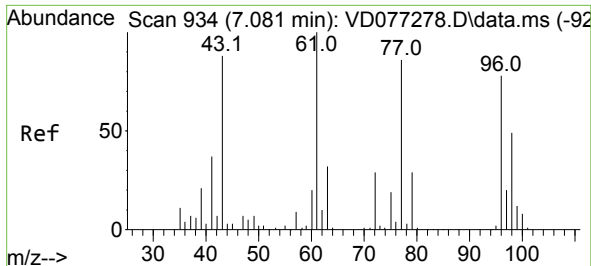
Tgt Ion: 43 Resp: 381116  
 Ion Ratio Lower Upper  
 43 100  
 86 12.4 12.5 18.7#



#24  
 1,1-Dichloroethane  
 Concen: 20.137 ug/l  
 RT: 6.110 min Scan# 769  
 Delta R.T. 0.006 min  
 Lab File: VD077277.D  
 Acq: 05 Oct 2023 16:03

Tgt Ion: 63 Resp: 114912  
 Ion Ratio Lower Upper  
 63 100  
 98 8.3 4.5 13.7  
 100 4.3 2.5 7.5

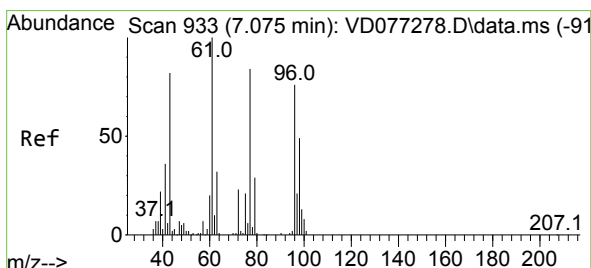
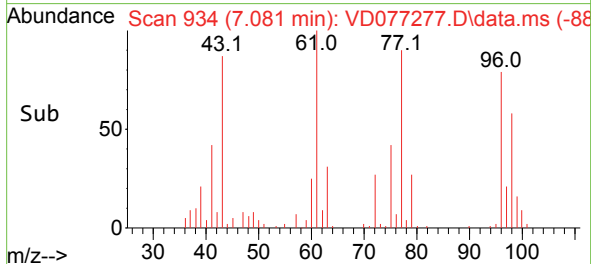
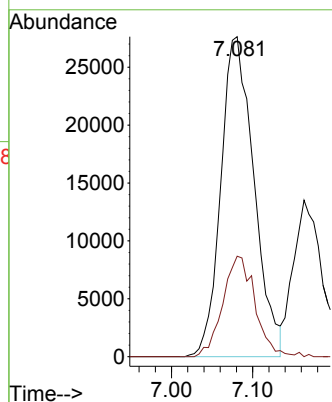
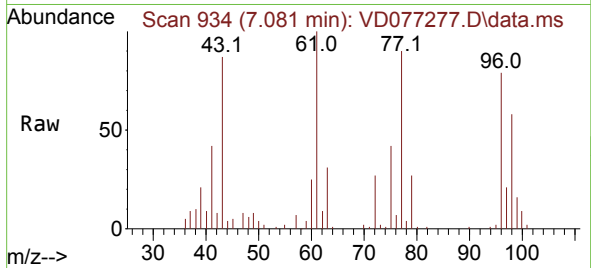




#25  
2-Butanone  
Concen: 97.211 ug/l  
RT: 7.081 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VD077277.D  
Acq: 05 Oct 2023 16:03

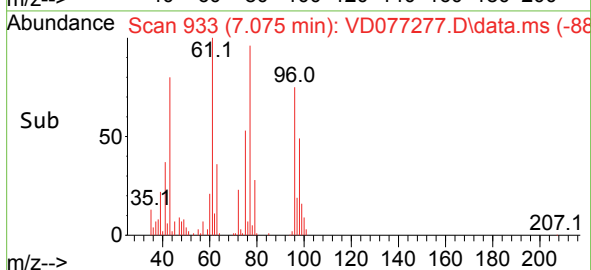
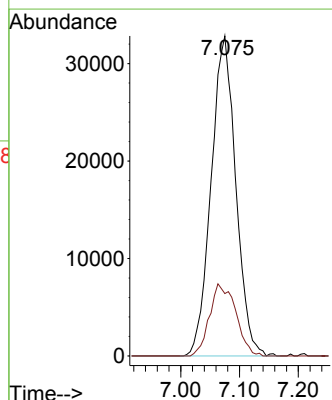
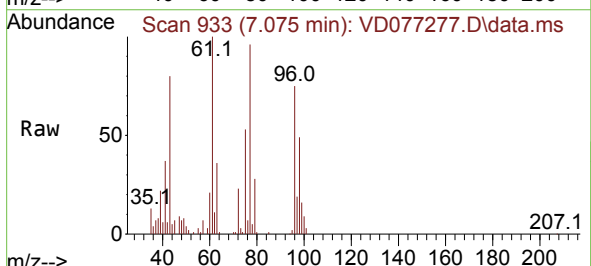
Instrument :  
MSVOA\_D  
ClientSampleId :

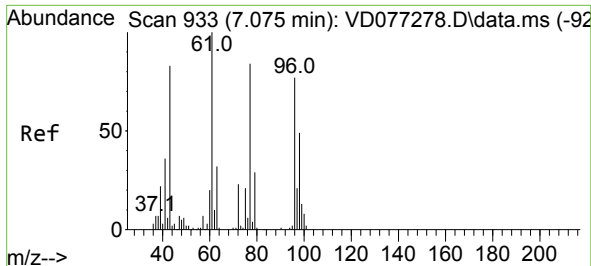
Tgt Ion: 43 Resp: 78392  
Ion Ratio Lower Upper  
43 100  
72 31.4 30.7 46.1



#26  
2,2-Dichloropropane  
Concen: 19.640 ug/l  
RT: 7.075 min Scan# 933  
Delta R.T. -0.000 min  
Lab File: VD077277.D  
Acq: 05 Oct 2023 16:03

Tgt Ion: 77 Resp: 95650  
Ion Ratio Lower Upper  
77 100  
97 24.0 13.2 39.6



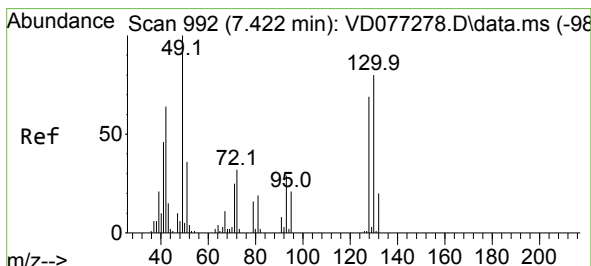
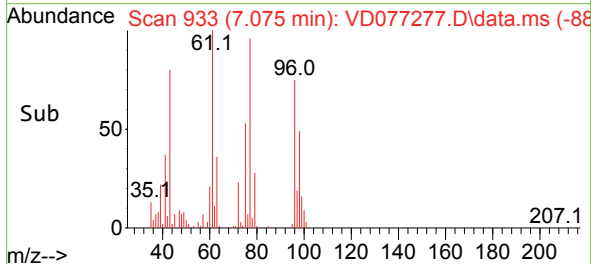
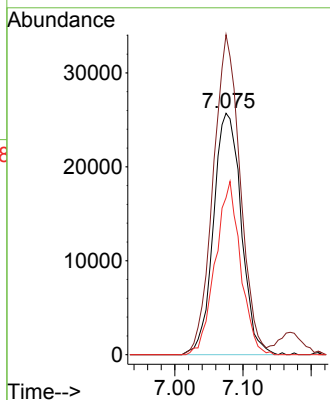
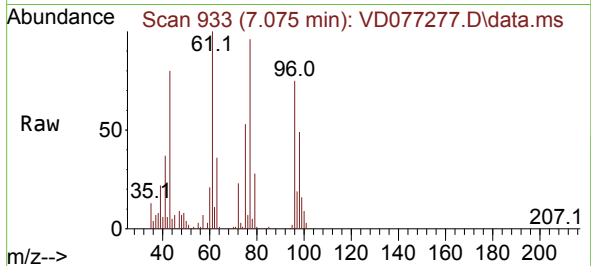


#27  
 cis-1,2-Dichloroethene  
 Concen: 19.815 ug/l  
 RT: 7.075 min Scan# 91  
 Delta R.T. -0.000 min  
 Lab File: VD077277.D  
 Acq: 05 Oct 2023 16:03

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Tgt Ion: 96 Resp: 72908  

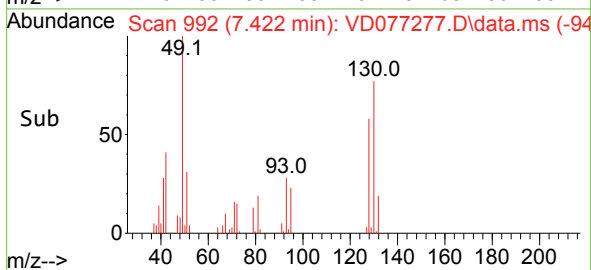
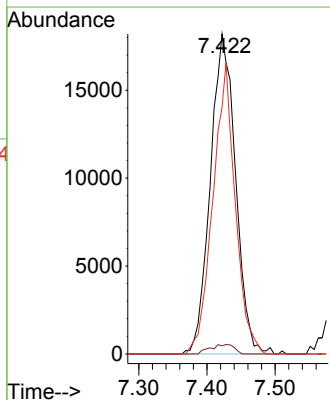
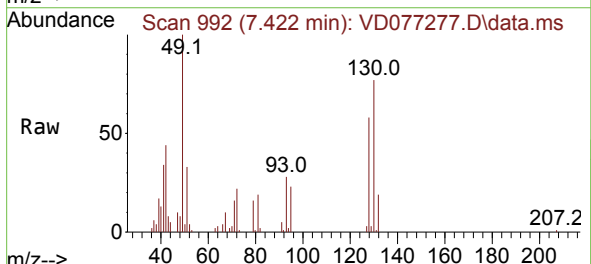
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 128.9 | 0.0   | 239.2 |
| 98  | 65.1  | 0.0   | 128.6 |

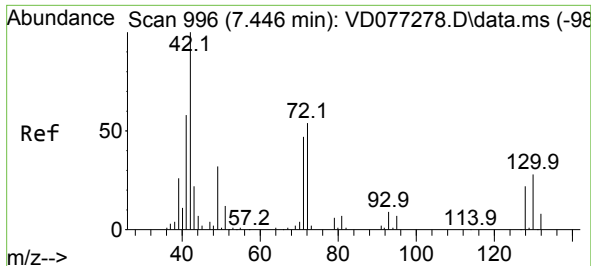


#28  
 Bromochloromethane  
 Concen: 24.856 ug/l  
 RT: 7.422 min Scan# 992  
 Delta R.T. 0.000 min  
 Lab File: VD077277.D  
 Acq: 05 Oct 2023 16:03

Tgt Ion: 49 Resp: 46851  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 49  | 100   |       |       |
| 129 | 2.8   | 0.0   | 6.0   |
| 130 | 80.6  | 83.2  | 124.8 |

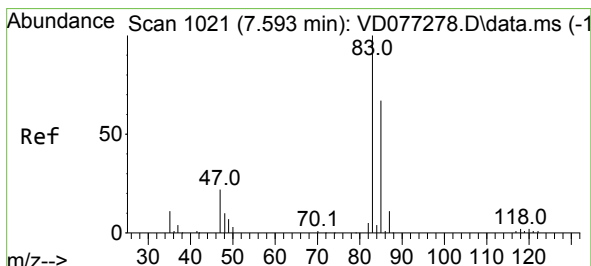
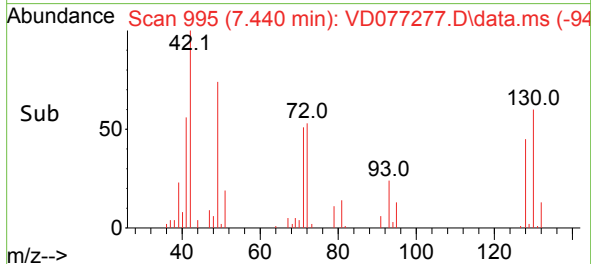
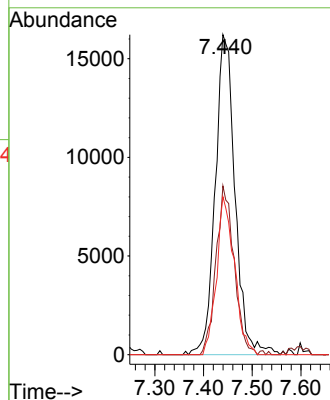
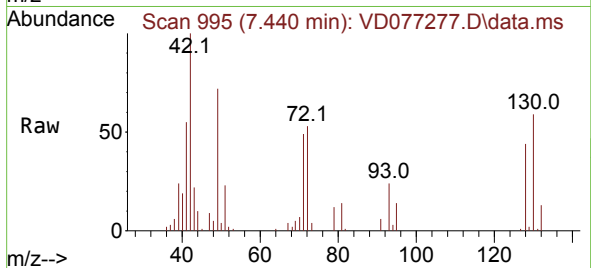




#29  
Tetrahydrofuran  
Concen: 99.330 ug/l  
RT: 7.440 min Scan# 996  
Delta R.T. -0.006 min  
Lab File: VD077277.D  
Acq: 05 Oct 2023 16:03

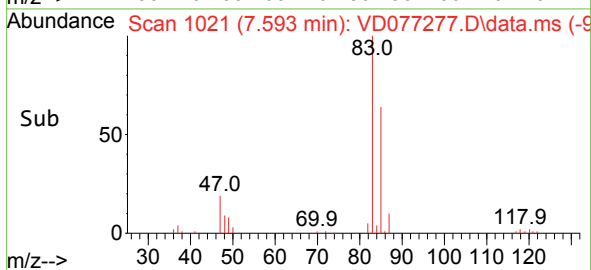
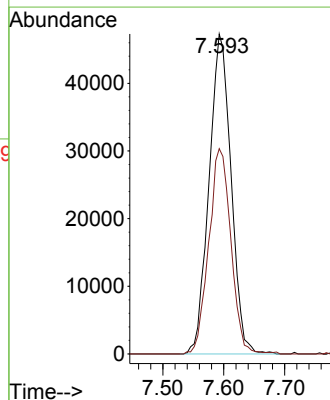
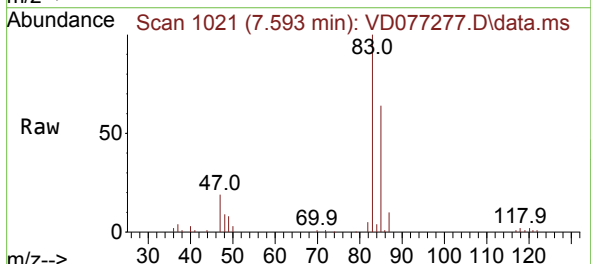
Instrument :  
MSVOA\_D  
ClientSampleId :

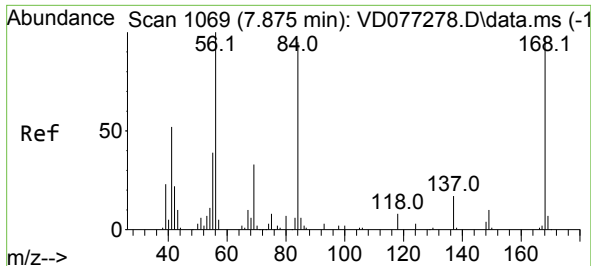
Tgt Ion: 42 Resp: 45856  
Ion Ratio Lower Upper  
42 100  
72 48.0 46.5 69.7  
71 44.5 44.5 66.7



#30  
Chloroform  
Concen: 19.967 ug/l  
RT: 7.593 min Scan# 1021  
Delta R.T. -0.000 min  
Lab File: VD077277.D  
Acq: 05 Oct 2023 16:03

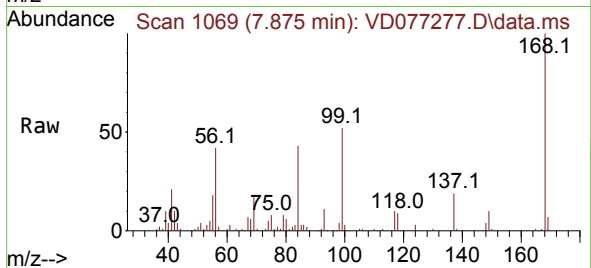
Tgt Ion: 83 Resp: 118436  
Ion Ratio Lower Upper  
83 100  
85 64.2 53.4 80.2



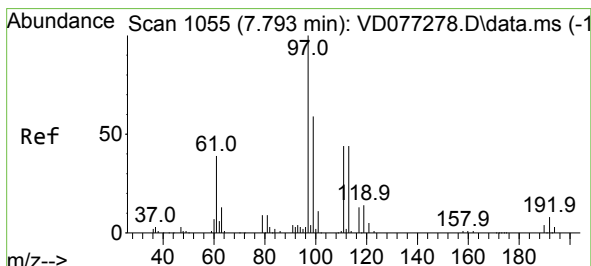
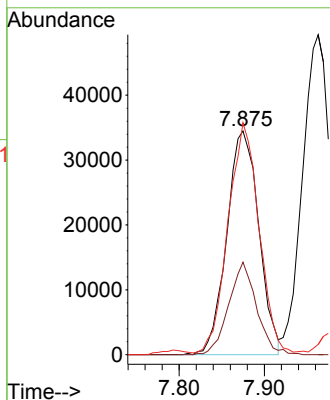
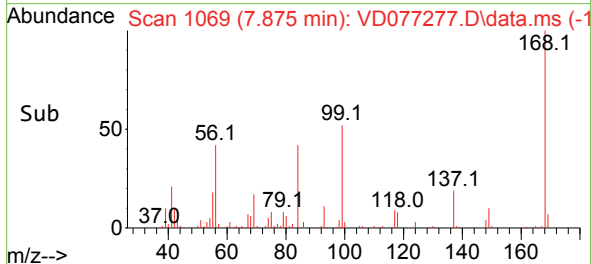


#31  
Cyclohexane  
Concen: 19.042 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. -0.000 min  
Lab File: VD077277.D  
Acq: 05 Oct 2023 16:03

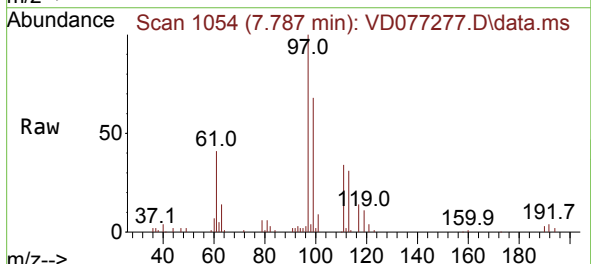
Instrument :  
MSVOA\_D  
ClientSampleId :



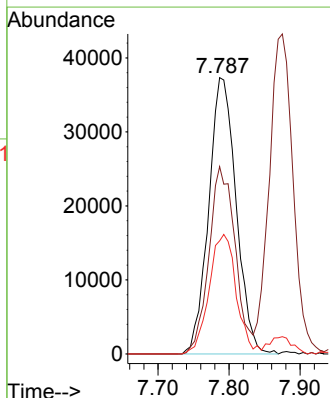
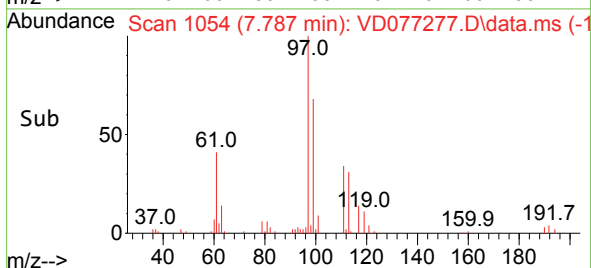
Tgt Ion: 56 Resp: 89984  
Ion Ratio Lower Upper  
56 100  
69 41.3 28.6 43.0  
84 101.9 84.8 127.2

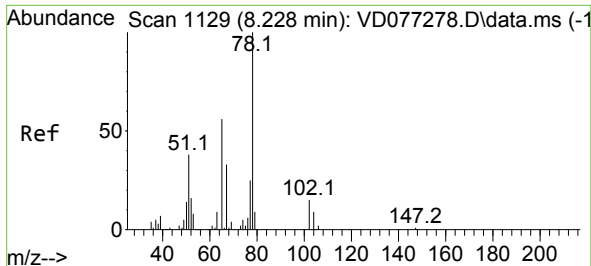


#32  
1,1,1-Trichloroethane  
Concen: 19.776 ug/l  
RT: 7.787 min Scan# 1054  
Delta R.T. -0.006 min  
Lab File: VD077277.D  
Acq: 05 Oct 2023 16:03



Tgt Ion: 97 Resp: 100271  
Ion Ratio Lower Upper  
97 100  
99 64.8 52.0 78.0  
61 42.8 33.8 50.8





#33

1,2-Dichloroethane-d4

Concen: 18.258 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD077277.D

Acq: 05 Oct 2023 16:03

Instrument :

MSVOA\_D

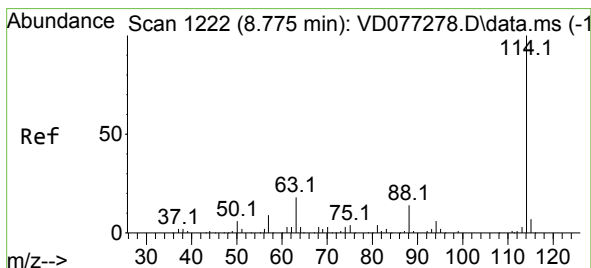
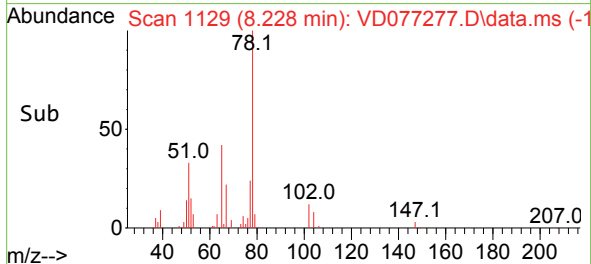
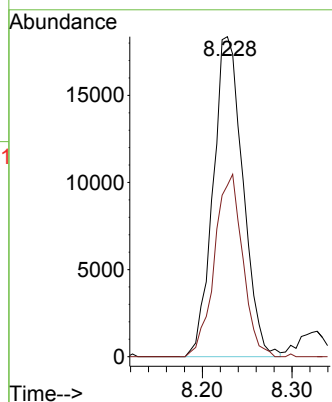
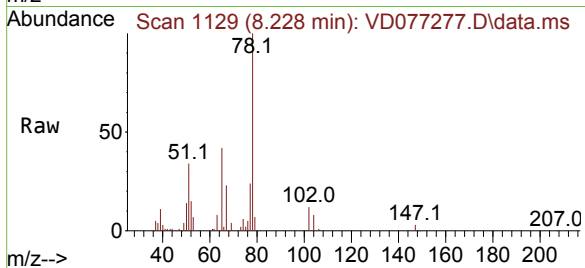
ClientSampleId :

Tgt Ion: 65 Resp: 42438

Ion Ratio Lower Upper

65 100

67 53.8 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.000 min

Lab File: VD077277.D

Acq: 05 Oct 2023 16:03

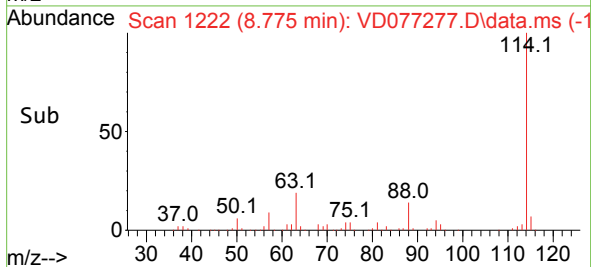
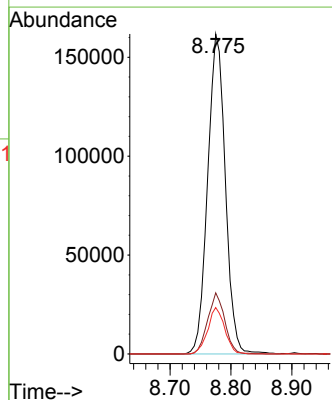
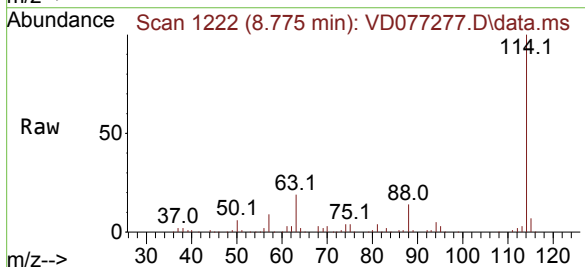
Tgt Ion: 114 Resp: 326776

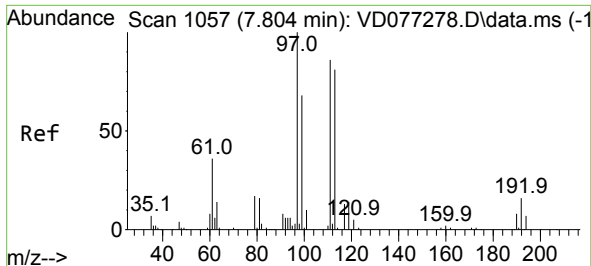
Ion Ratio Lower Upper

114 100

63 19.1 0.0 33.4

88 14.5 0.0 26.2

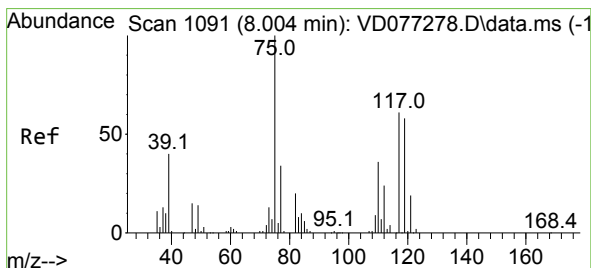
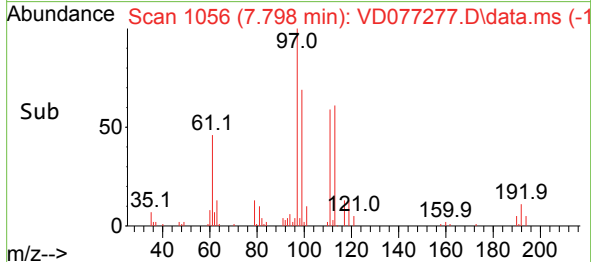
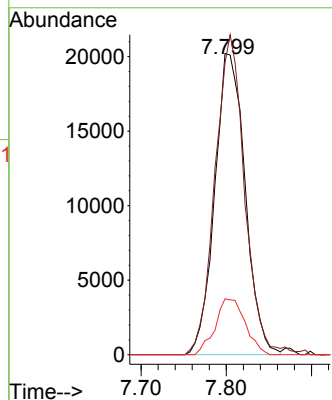
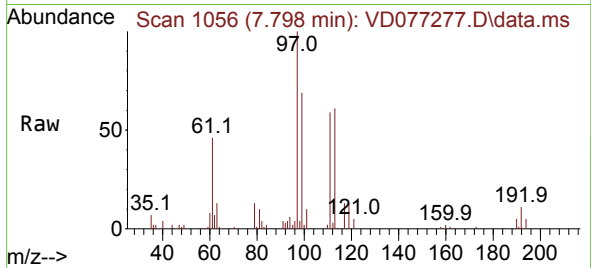




#35  
Dibromofluoromethane  
Concen: 18.319 ug/l  
RT: 7.798 min Scan# 1056  
Delta R.T. -0.006 min  
Lab File: VD077277.D  
Acq: 05 Oct 2023 16:03

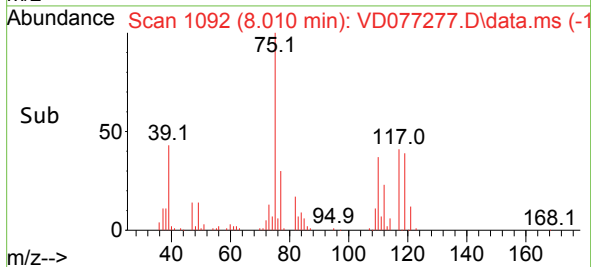
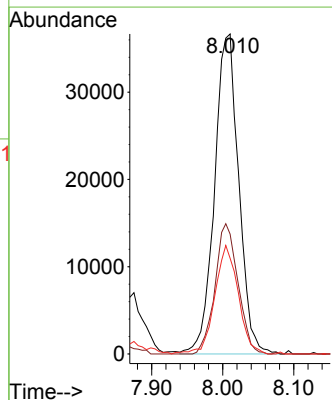
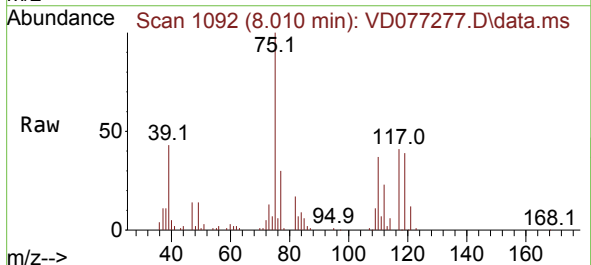
Instrument :  
MSVOA\_D  
ClientSampleId :

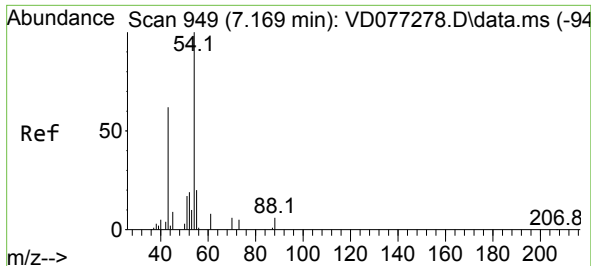
Tgt Ion:113 Resp: 50055  
Ion Ratio Lower Upper  
113 100  
111 103.5 84.7 127.1  
192 18.3 16.8 25.2



#36  
1,1-Dichloropropene  
Concen: 19.067 ug/l  
RT: 8.010 min Scan# 1092  
Delta R.T. 0.006 min  
Lab File: VD077277.D  
Acq: 05 Oct 2023 16:03

Tgt Ion: 75 Resp: 86844  
Ion Ratio Lower Upper  
75 100  
110 38.6 19.9 59.6  
77 32.9 24.7 37.1





#37

Ethyl Acetate

Concen: 19.350 ug/l

RT: 7.163 min Scan# 949

Delta R.T. -0.006 min

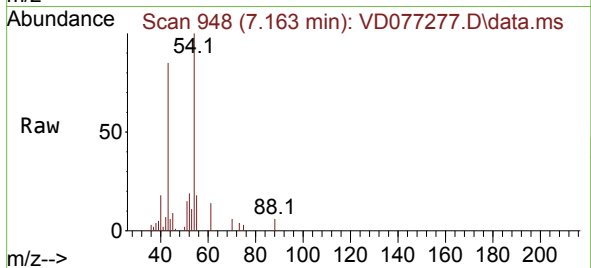
Lab File: VD077277.D

Acq: 05 Oct 2023 16:03

Instrument :

MSVOA\_D

ClientSampleId :



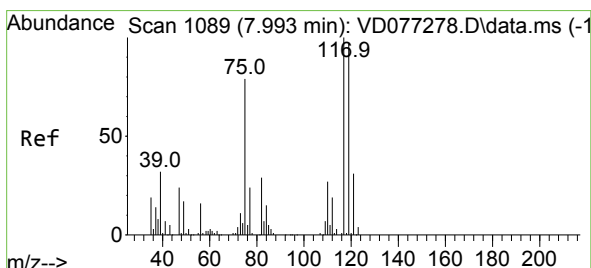
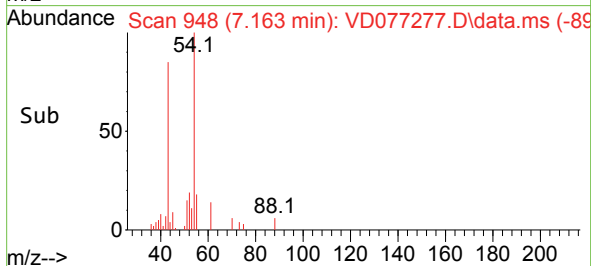
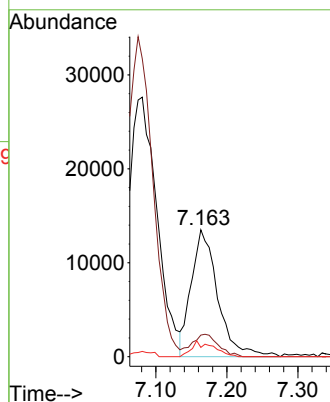
Tgt Ion: 43 Resp: 35090

Ion Ratio Lower Upper

43 100

61 16.8 14.9 22.3

70 10.2 10.0 15.0



#38

Carbon Tetrachloride

Concen: 19.598 ug/l

RT: 7.987 min Scan# 1088

Delta R.T. -0.006 min

Lab File: VD077277.D

Acq: 05 Oct 2023 16:03

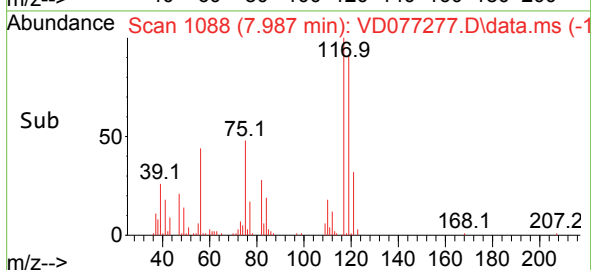
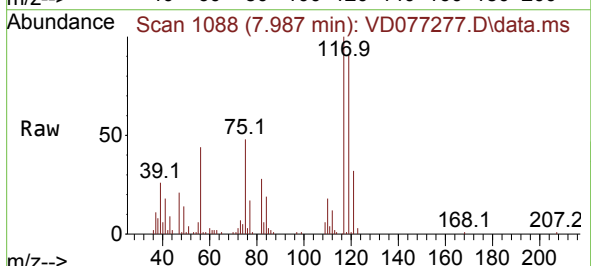
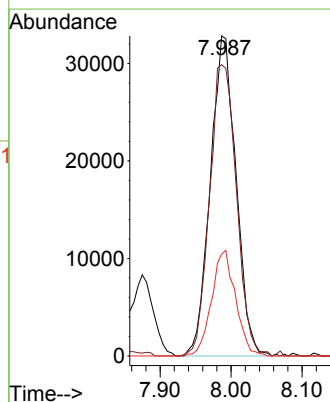
Tgt Ion: 117 Resp: 82611

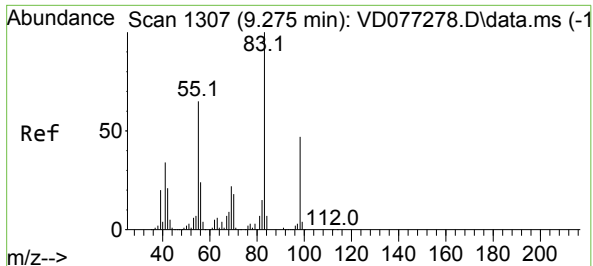
Ion Ratio Lower Upper

117 100

119 91.0 78.0 117.0

121 31.9 24.2 36.2





#39

Methylcyclohexane

Concen: 19.098 ug/l

RT: 9.269 min Scan# 11306

Delta R.T. -0.006 min

Lab File: VD077277.D

Acq: 05 Oct 2023 16:03

Instrument :

MSVOA\_D

ClientSampleId :

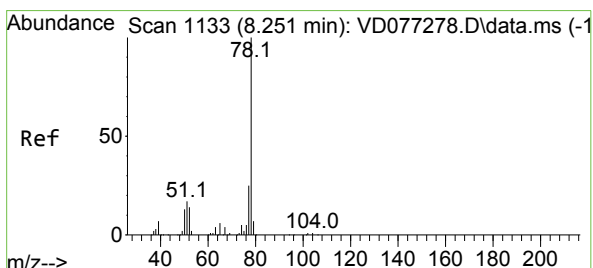
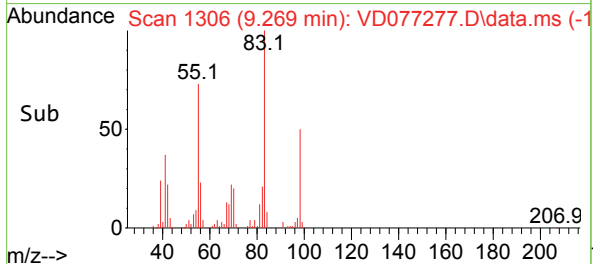
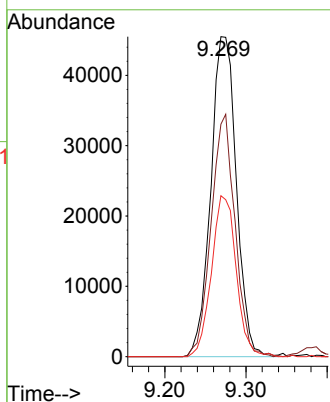
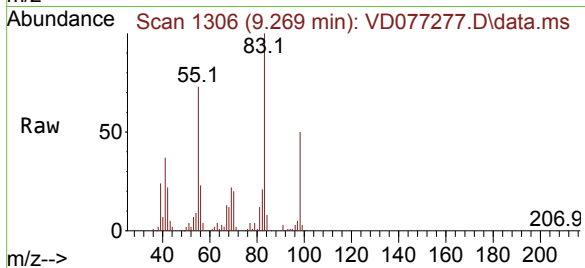
Tgt Ion: 83 Resp: 99595

Ion Ratio Lower Upper

83 100

55 72.6 49.4 74.0

98 50.3 38.4 57.6



#40

Benzene

Concen: 19.723 ug/l

RT: 8.251 min Scan# 1133

Delta R.T. -0.000 min

Lab File: VD077277.D

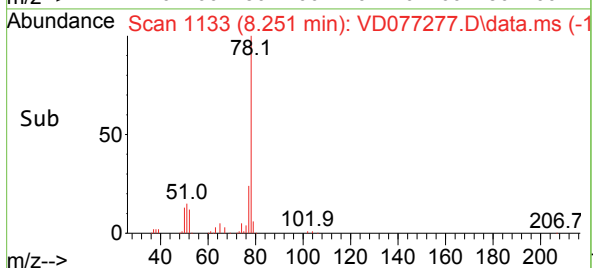
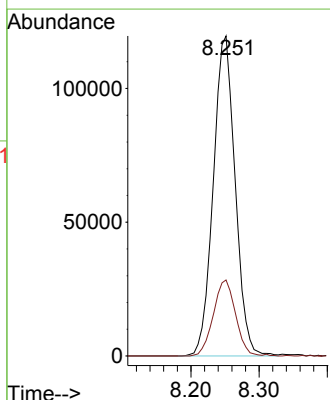
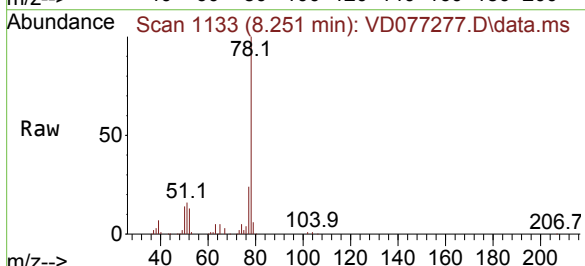
Acq: 05 Oct 2023 16:03

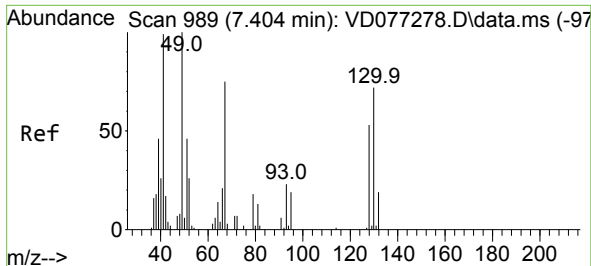
Tgt Ion: 78 Resp: 267611

Ion Ratio Lower Upper

78 100

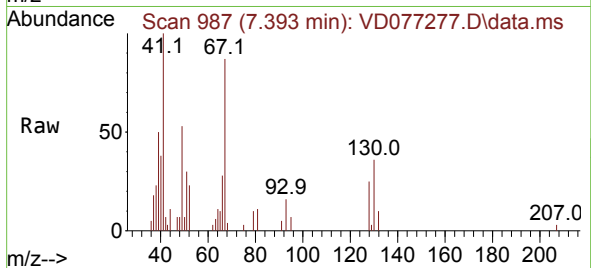
77 23.7 19.4 29.0



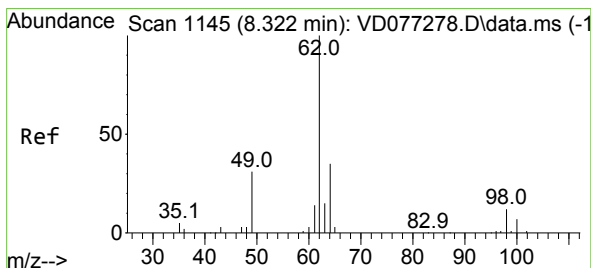
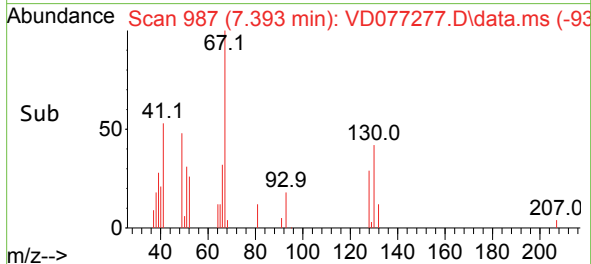
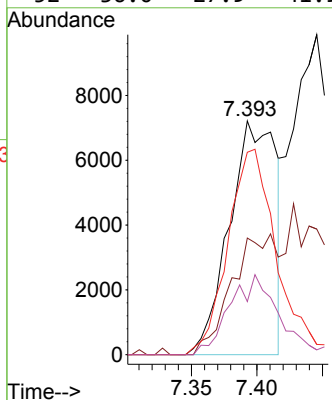


#41  
Methacrylonitrile  
Concen: 19.180 ug/l  
RT: 7.393 min Scan# 91  
Delta R.T. -0.012 min  
Lab File: VD077277.D  
Acq: 05 Oct 2023 16:03

Instrument :  
MSVOA\_D  
ClientSampleId :

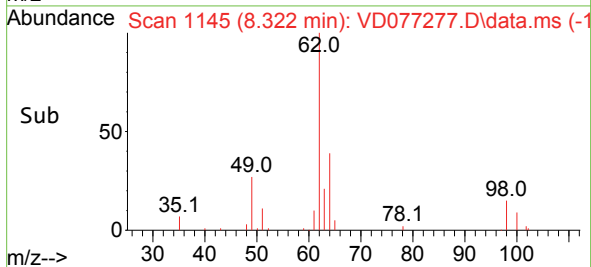
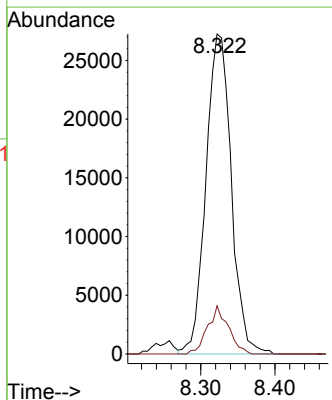
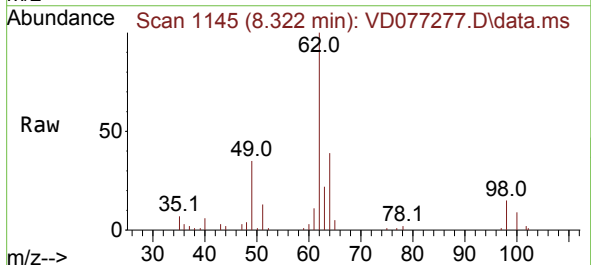


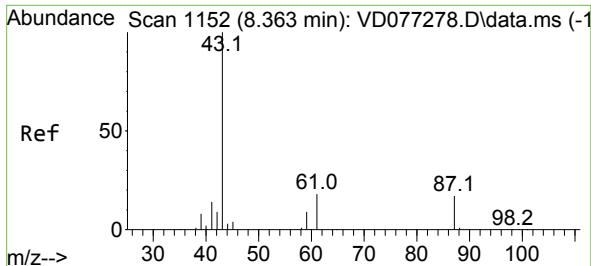
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 17829 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 49.9  | 34.0  | 51.0  |
| 67       | 91.1  | 77.0  | 115.4 |
| 52       | 36.0  | 27.9  | 41.9  |



#42  
1,2-Dichloroethane  
Concen: 20.125 ug/l  
RT: 8.322 min Scan# 1145  
Delta R.T. -0.000 min  
Lab File: VD077277.D  
Acq: 05 Oct 2023 16:03

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 64731 |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 12.4  | 0.0   | 25.4  |

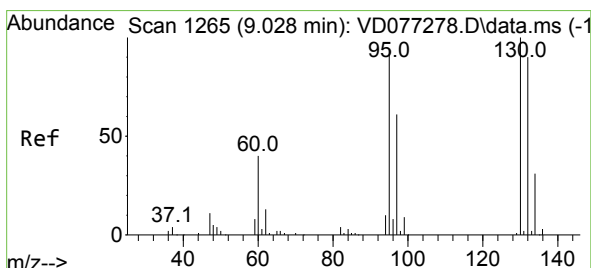
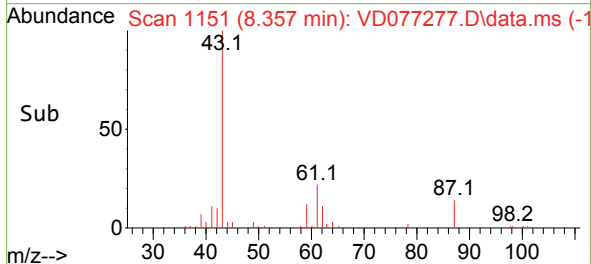
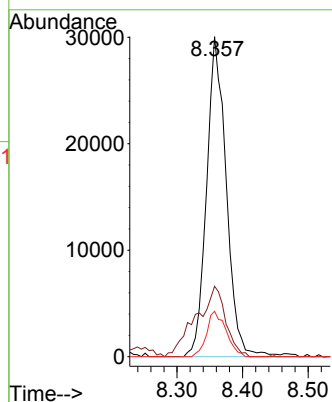
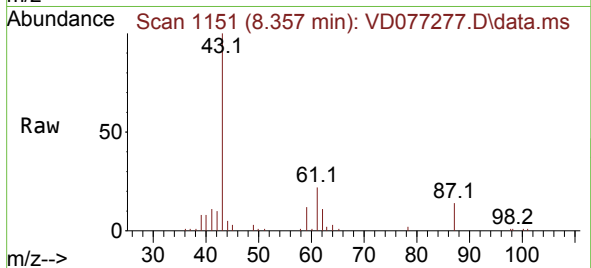




#43  
Isopropyl Acetate  
Concen: 19.590 ug/l  
RT: 8.357 min Scan# 1151  
Delta R.T. -0.006 min  
Lab File: VD077277.D  
Acq: 05 Oct 2023 16:03

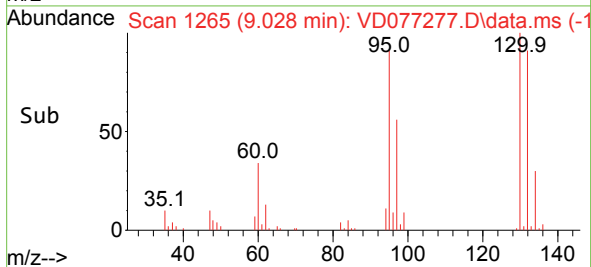
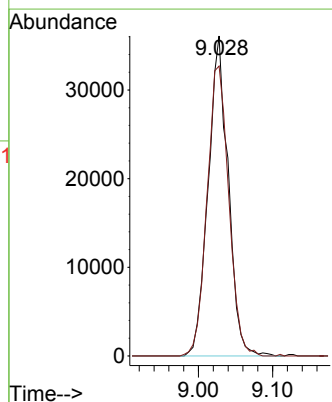
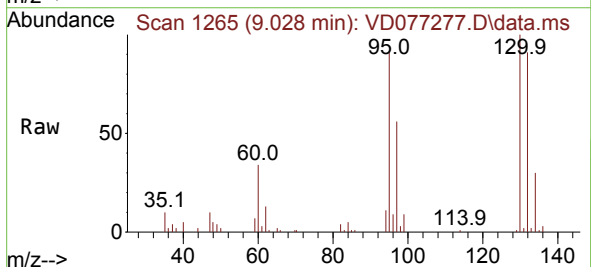
Instrument :  
MSVOA\_D  
ClientSampleId :

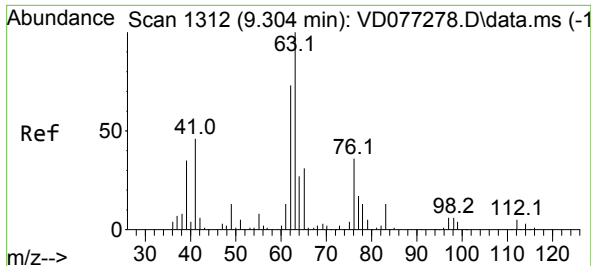
Tgt Ion: 43 Resp: 62668  
Ion Ratio Lower Upper  
43 100  
61 33.2 31.4 47.0  
87 14.0 14.9 22.3#



#44  
Trichloroethene  
Concen: 19.508 ug/l  
RT: 9.028 min Scan# 1265  
Delta R.T. -0.000 min  
Lab File: VD077277.D  
Acq: 05 Oct 2023 16:03

Tgt Ion:130 Resp: 67753  
Ion Ratio Lower Upper  
130 100  
95 90.6 0.0 179.2





#45

1,2-Dichloropropane

Concen: 19.834 ug/l

RT: 9.304 min Scan# 1312

Delta R.T. -0.000 min

Lab File: VD077277.D

Acq: 05 Oct 2023 16:03

Instrument :

MSVOA\_D

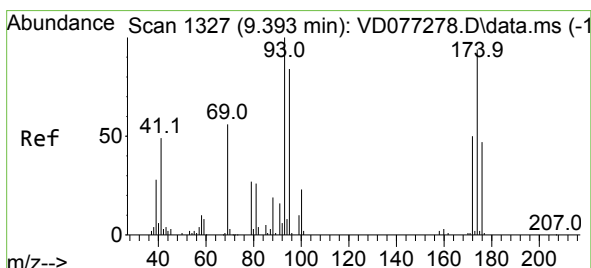
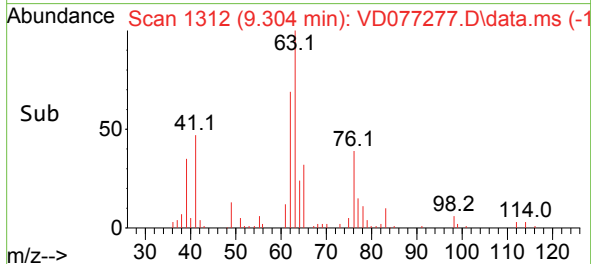
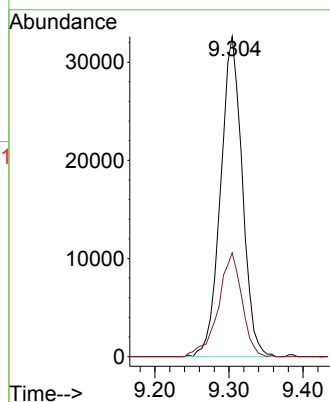
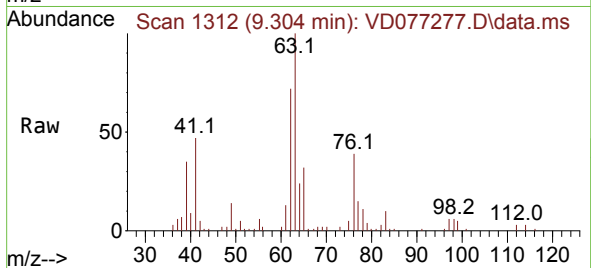
ClientSampleId :

Tgt Ion: 63 Resp: 66210

Ion Ratio Lower Upper

63 100

65 32.5 24.5 36.7



#46

Dibromomethane

Concen: 19.376 ug/l

RT: 9.393 min Scan# 1327

Delta R.T. -0.000 min

Lab File: VD077277.D

Acq: 05 Oct 2023 16:03

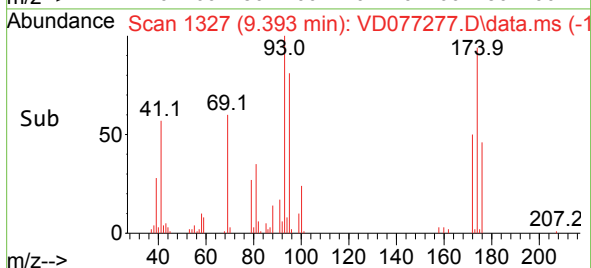
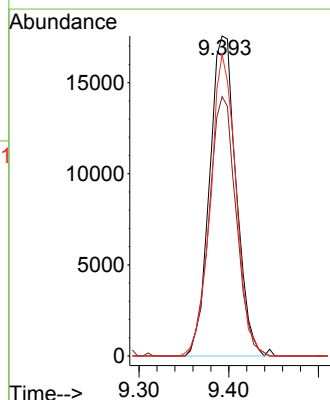
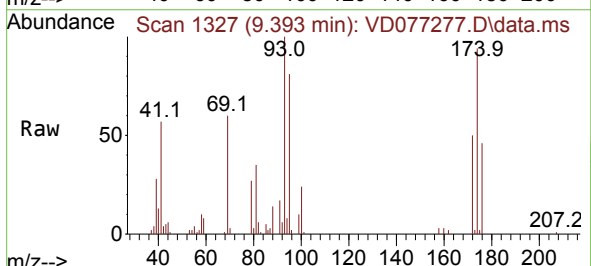
Tgt Ion: 93 Resp: 36073

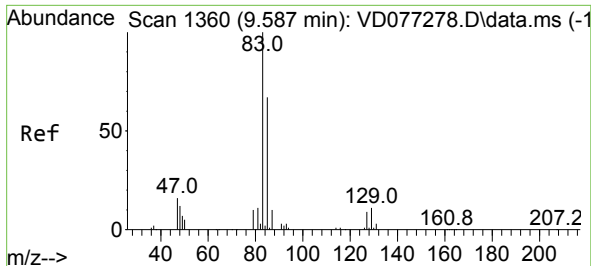
Ion Ratio Lower Upper

93 100

95 82.4 67.7 101.5

174 90.4 85.4 128.2

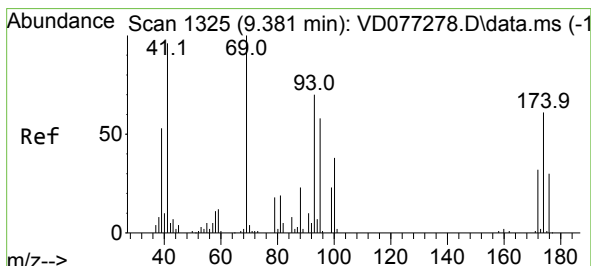
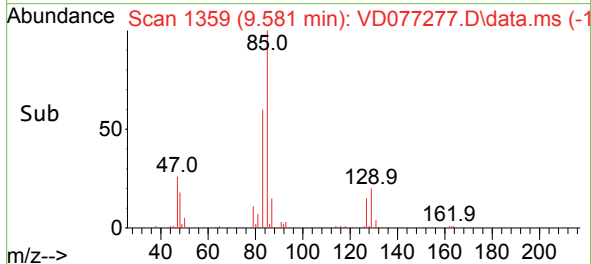
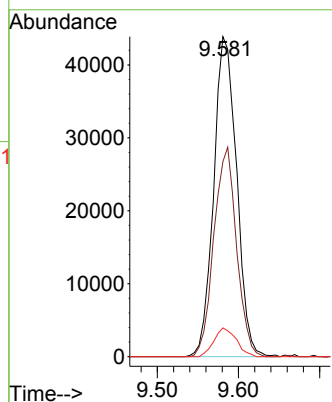
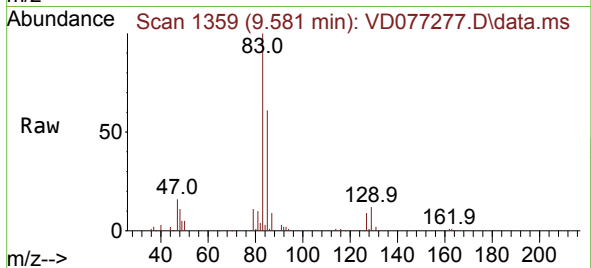




#47  
Bromodichloromethane  
Concen: 19.952 ug/l  
RT: 9.581 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VD077277.D  
Acq: 05 Oct 2023 16:03

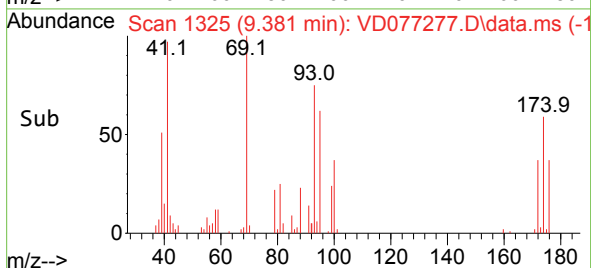
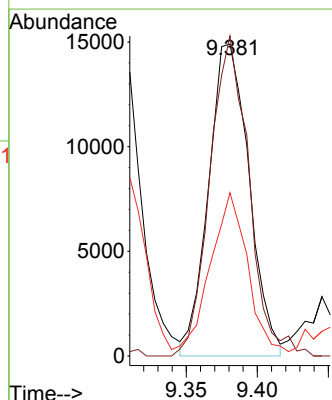
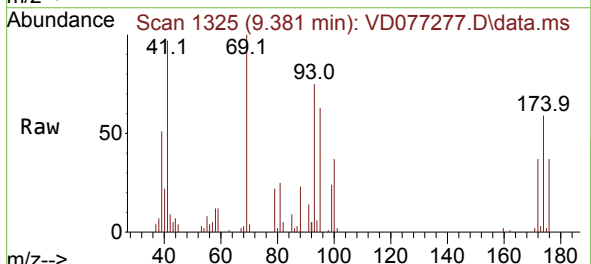
Instrument :  
MSVOA\_D  
ClientSampleId :

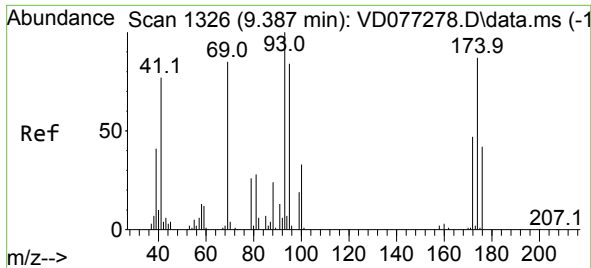
Tgt Ion: 83 Resp: 86102  
Ion Ratio Lower Upper  
83 100  
85 60.9 50.2 75.4  
127 9.0 6.3 9.5



#48  
Methyl methacrylate  
Concen: 19.924 ug/l  
RT: 9.381 min Scan# 1325  
Delta R.T. -0.000 min  
Lab File: VD077277.D  
Acq: 05 Oct 2023 16:03

Tgt Ion: 41 Resp: 29526  
Ion Ratio Lower Upper  
41 100  
69 98.9 102.2 153.2#  
39 46.2 41.4 62.2





#49

1,4-Dioxane

Concen: 391.347 ug/l

RT: 9.381 min Scan# 1

Delta R.T. -0.006 min

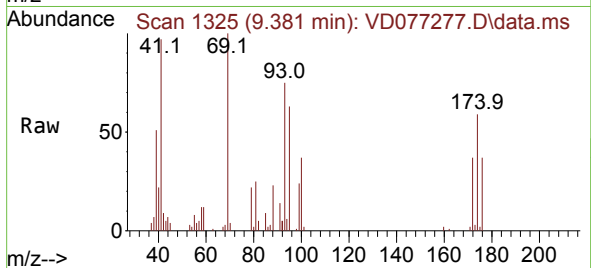
Lab File: VD077277.D

Acq: 05 Oct 2023 16:03

Instrument :

MSVOA\_D

ClientSampleId :



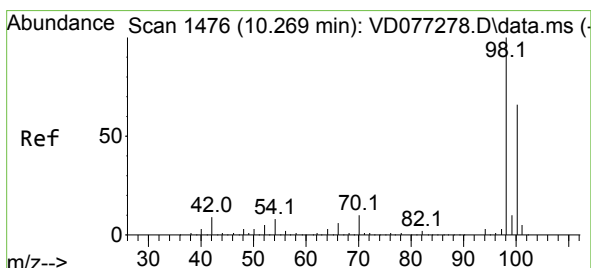
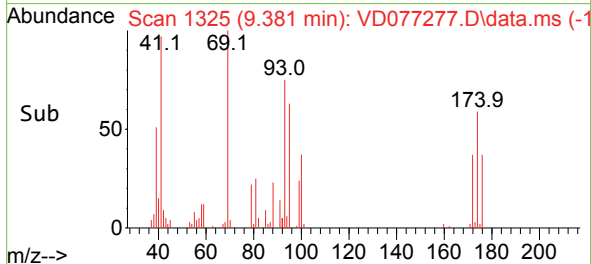
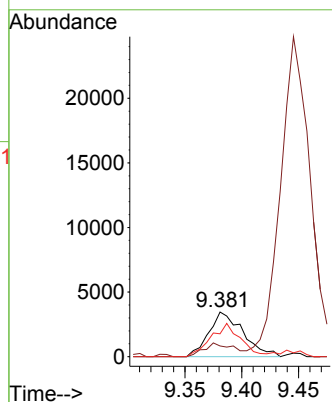
Tgt Ion: 88 Resp: 7253

Ion Ratio Lower Upper

88 100

43 25.2 19.0 28.6

58 64.7 43.5 65.3



#50

Toluene-d8

Concen: 16.770 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VD077277.D

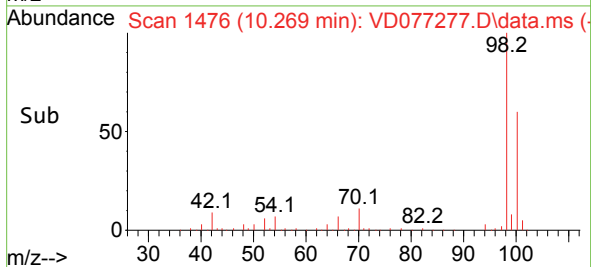
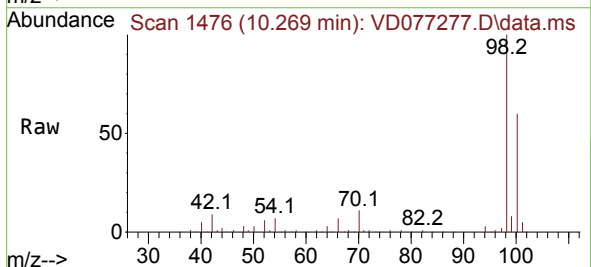
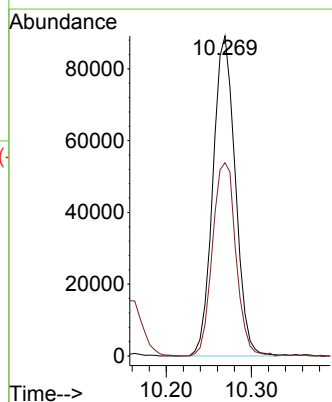
Acq: 05 Oct 2023 16:03

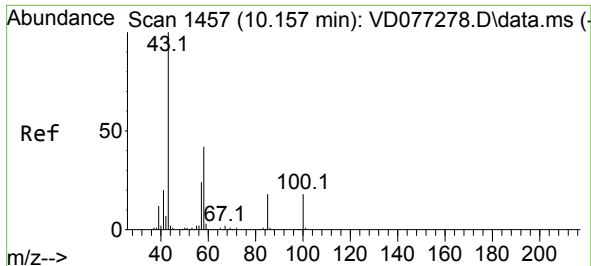
Tgt Ion: 98 Resp: 162783

Ion Ratio Lower Upper

98 100

100 63.3 50.3 75.5

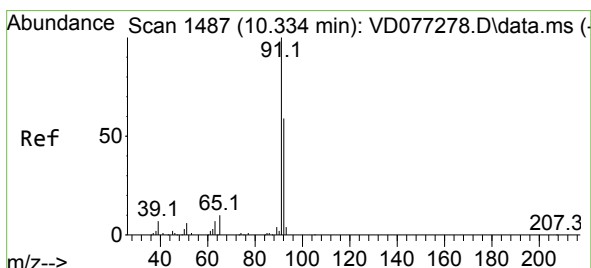
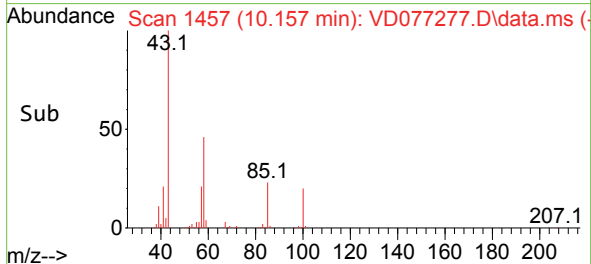
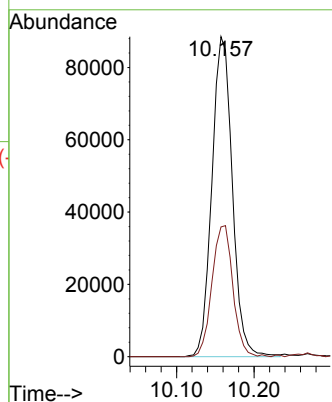
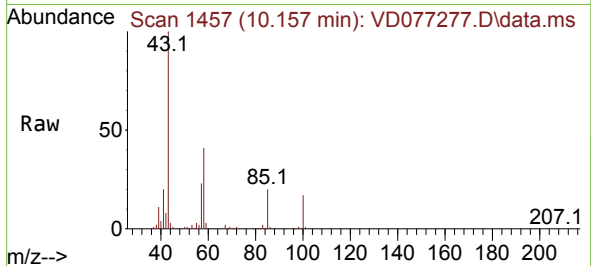




#51  
4-Methyl-2-Pentanone  
Concen: 97.734 ug/l  
RT: 10.157 min Scan# 1457  
Delta R.T. -0.000 min  
Lab File: VD077277.D  
Acq: 05 Oct 2023 16:03

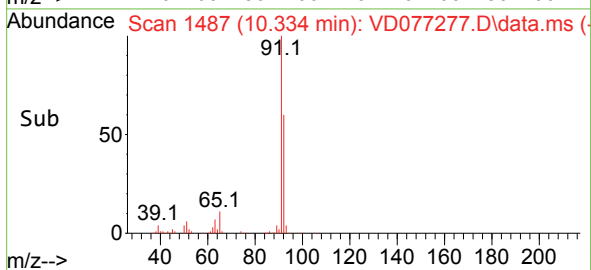
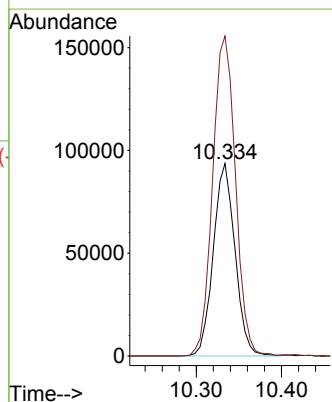
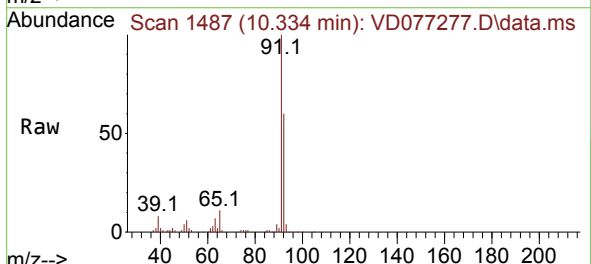
Instrument :  
MSVOA\_D  
ClientSampleId :

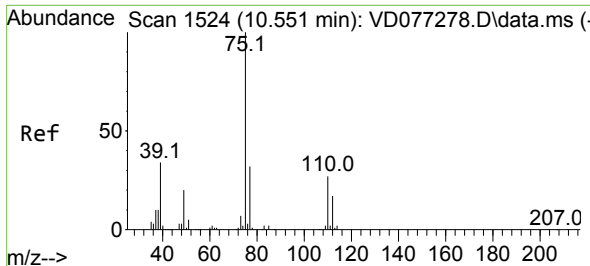
Tgt Ion: 43 Resp: 162243  
Ion Ratio Lower Upper  
43 100  
58 41.9 38.9 58.3



#52  
Toluene  
Concen: 19.923 ug/l  
RT: 10.334 min Scan# 1487  
Delta R.T. -0.000 min  
Lab File: VD077277.D  
Acq: 05 Oct 2023 16:03

Tgt Ion: 92 Resp: 165736  
Ion Ratio Lower Upper  
92 100  
91 174.8 143.0 214.4

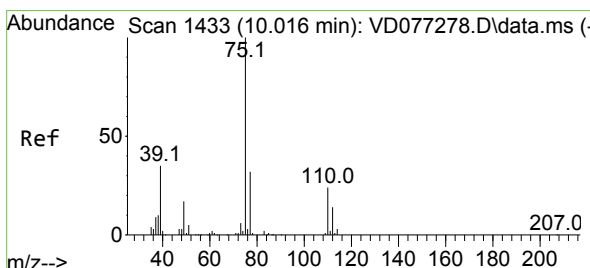
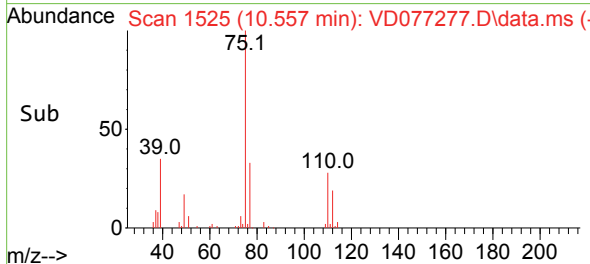
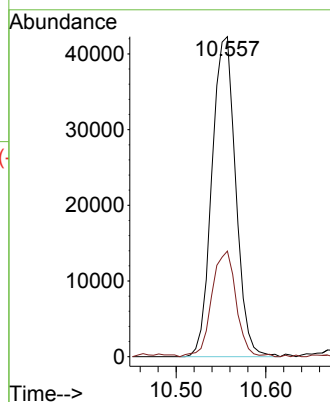
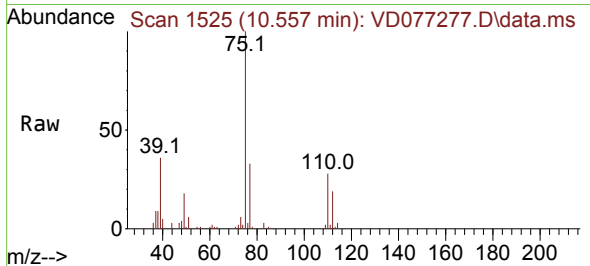




#53  
 t-1,3-Dichloropropene  
 Concen: 18.839 ug/l  
 RT: 10.557 min Scan# 11  
 Delta R.T. 0.006 min  
 Lab File: VD077277.D  
 Acq: 05 Oct 2023 16:03

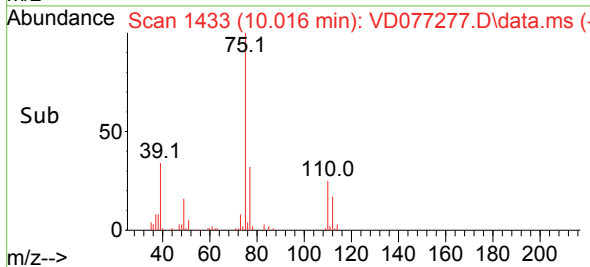
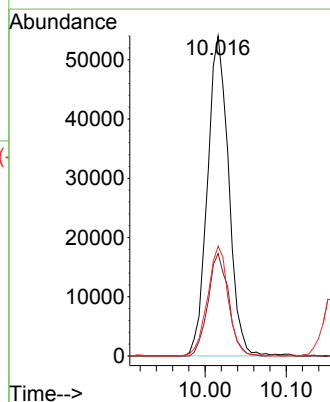
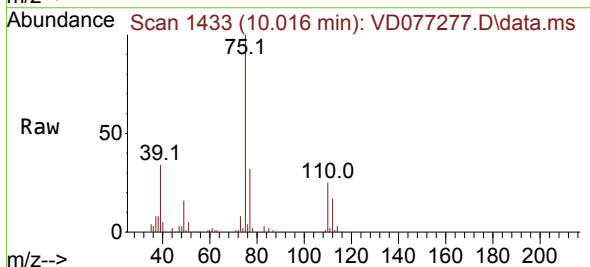
Instrument :  
 MSVOA\_D  
 ClientSampleId :

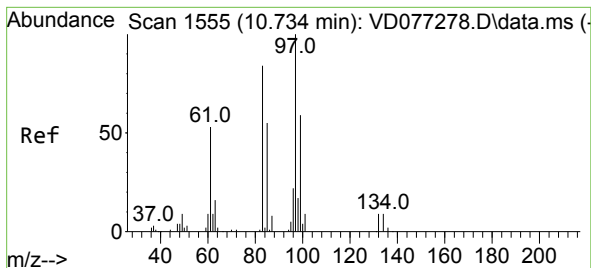
Tgt Ion: 75 Resp: 77754  
 Ion Ratio Lower Upper  
 75 100  
 77 33.0 25.3 37.9



#54  
 cis-1,3-Dichloropropene  
 Concen: 19.781 ug/l  
 RT: 10.016 min Scan# 1433  
 Delta R.T. -0.000 min  
 Lab File: VD077277.D  
 Acq: 05 Oct 2023 16:03

Tgt Ion: 75 Resp: 97997  
 Ion Ratio Lower Upper  
 75 100  
 77 32.0 25.5 38.3  
 39 34.3 22.1 33.1#





#55

1,1,2-Trichloroethane

Concen: 19.768 ug/l

RT: 10.734 min Scan# 1555

Delta R.T. -0.000 min

Lab File: VD077277.D

Acq: 05 Oct 2023 16:03

Instrument :

MSVOA\_D

ClientSampleId :

Tgt Ion: 97 Resp: 50202

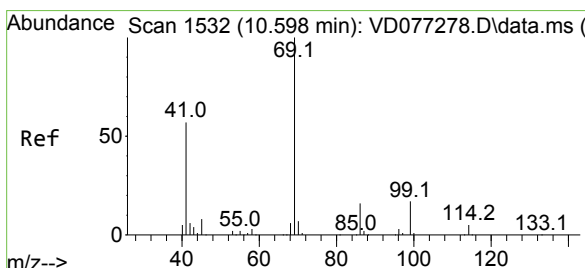
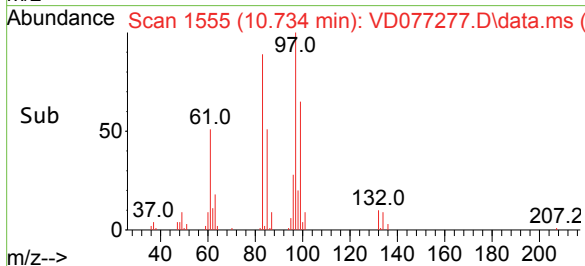
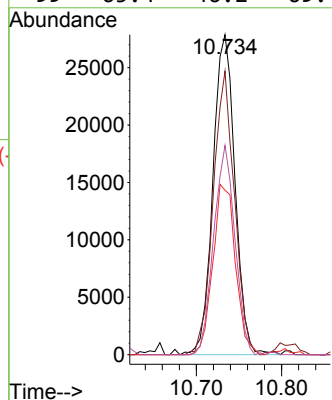
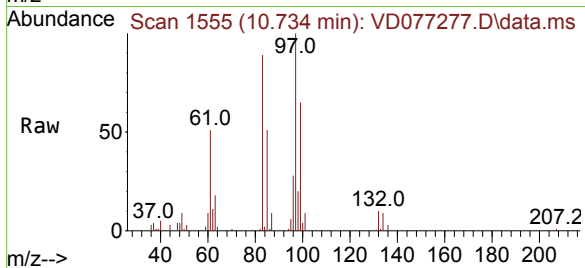
Ion Ratio Lower Upper

97 100

83 88.6 65.8 98.6

85 51.4 45.7 68.5

99 65.4 46.2 69.4



#56

Ethyl methacrylate

Concen: 18.780 ug/l

RT: 10.598 min Scan# 1532

Delta R.T. -0.000 min

Lab File: VD077277.D

Acq: 05 Oct 2023 16:03

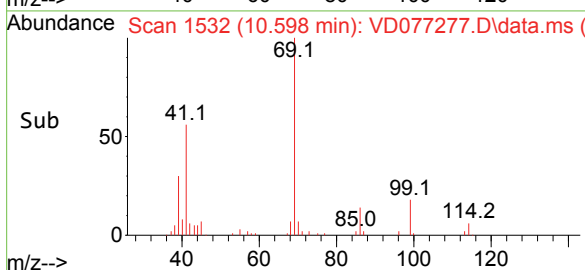
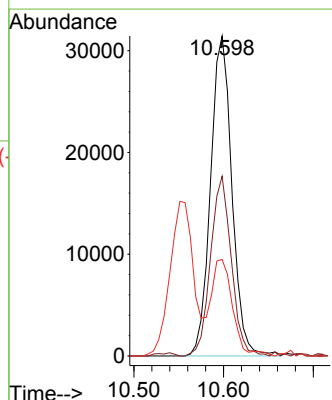
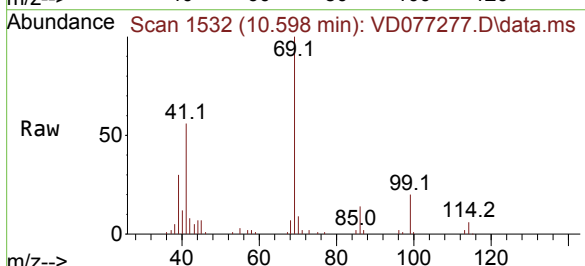
Tgt Ion: 69 Resp: 52009

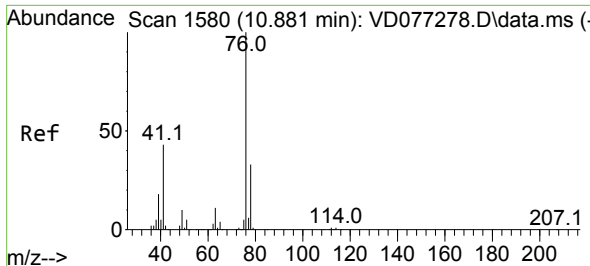
Ion Ratio Lower Upper

69 100

41 54.6 39.1 58.7

39 31.4 20.0 30.0#





#57

1,3-Dichloropropane

Concen: 19.943 ug/l

RT: 10.881 min Scan# 1580

Delta R.T. -0.000 min

Lab File: VD077277.D

Acq: 05 Oct 2023 16:03

Instrument :

MSVOA\_D

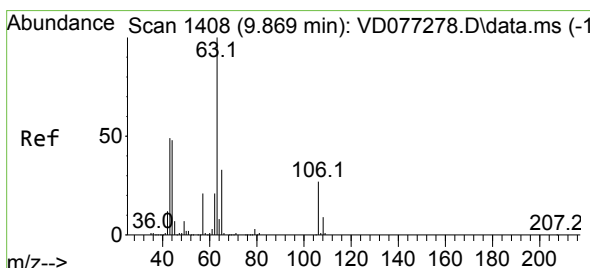
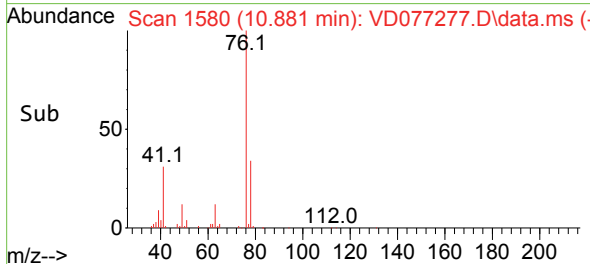
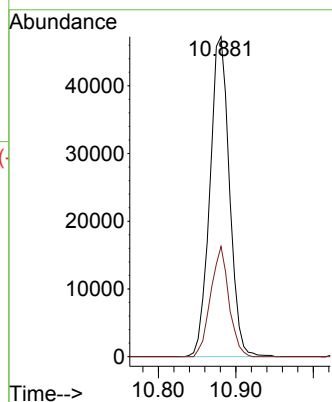
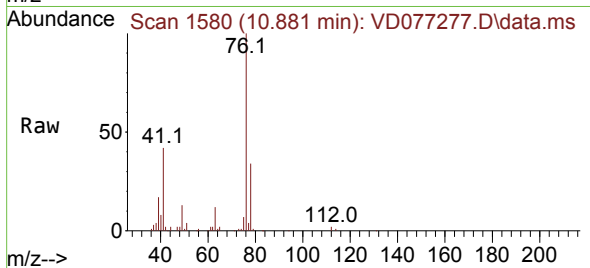
ClientSampleId :

Tgt Ion: 76 Resp: 82787

Ion Ratio Lower Upper

76 100

78 32.2 26.4 39.6



#58

2-Chloroethyl Vinyl ether

Concen: 74.137 ug/l

RT: 9.869 min Scan# 1408

Delta R.T. -0.000 min

Lab File: VD077277.D

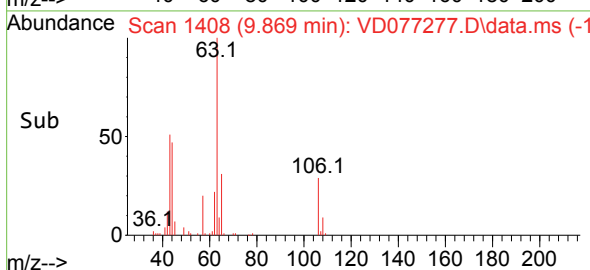
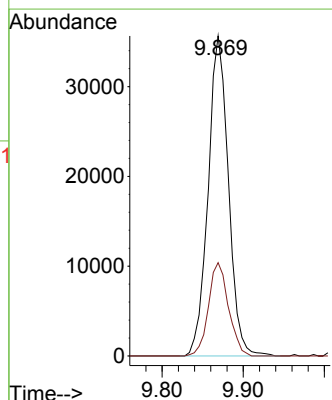
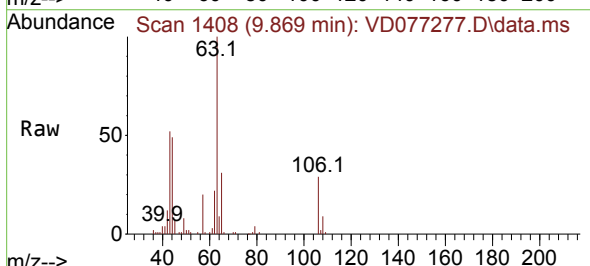
Acq: 05 Oct 2023 16:03

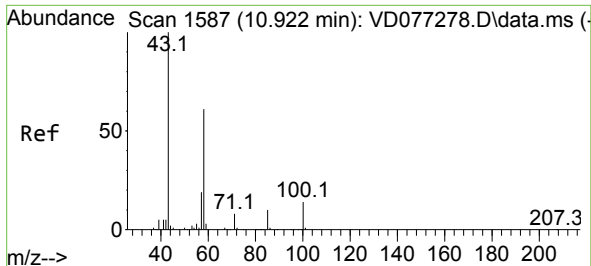
Tgt Ion: 63 Resp: 61964

Ion Ratio Lower Upper

63 100

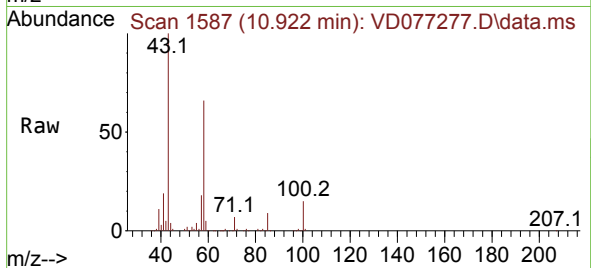
106 28.7 25.3 37.9



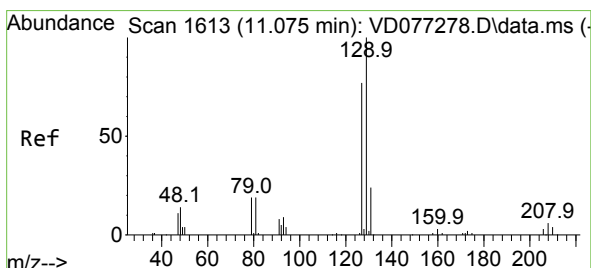
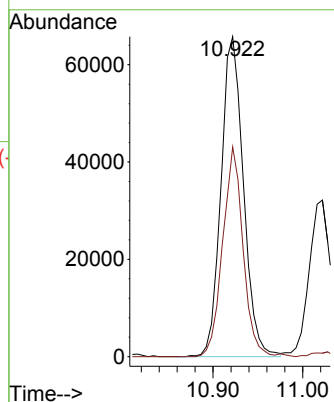
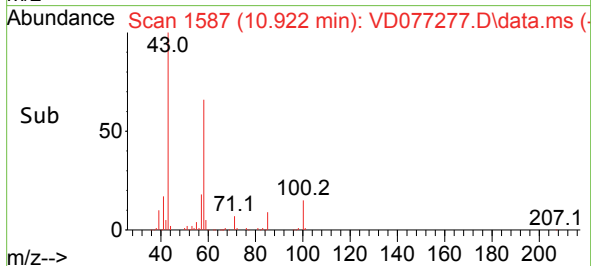


#59  
2-Hexanone  
Concen: 95.818 ug/l  
RT: 10.922 min Scan# 1587  
Delta R.T. -0.000 min  
Lab File: VD077277.D  
Acq: 05 Oct 2023 16:03

Instrument :  
MSVOA\_D  
ClientSampleId :

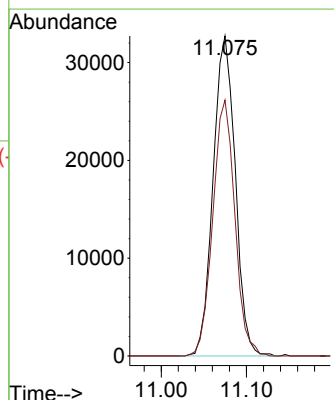
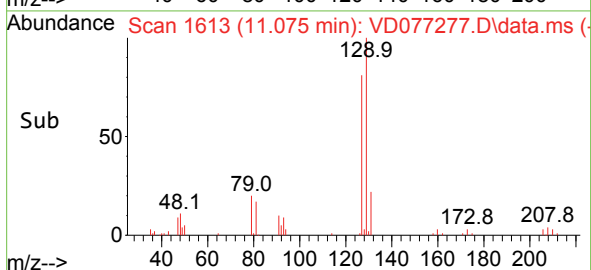
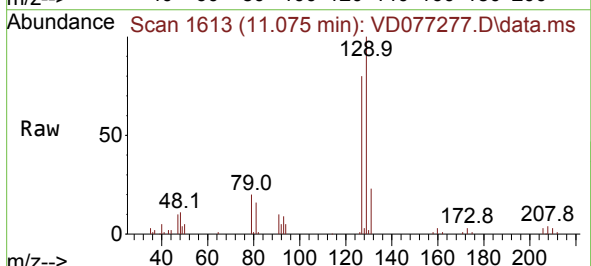


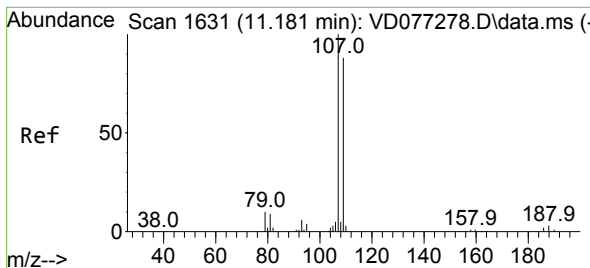
Tgt Ion: 43 Resp: 113891  
Ion Ratio Lower Upper  
43 100  
58 59.5 34.1 102.2



#60  
Dibromochloromethane  
Concen: 20.324 ug/l  
RT: 11.075 min Scan# 1613  
Delta R.T. -0.000 min  
Lab File: VD077277.D  
Acq: 05 Oct 2023 16:03

Tgt Ion: 129 Resp: 59082  
Ion Ratio Lower Upper  
129 100  
127 79.8 37.1 111.5





#61

1,2-Dibromoethane

Concen: 19.616 ug/l

RT: 11.181 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD077277.D

Acq: 05 Oct 2023 16:03

Instrument :

MSVOA\_D

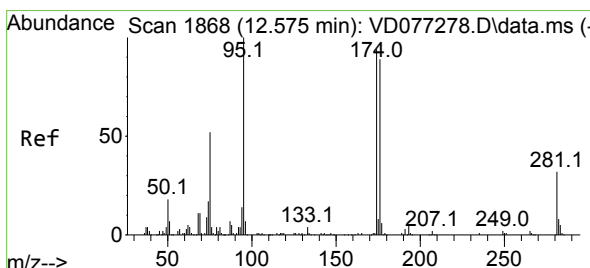
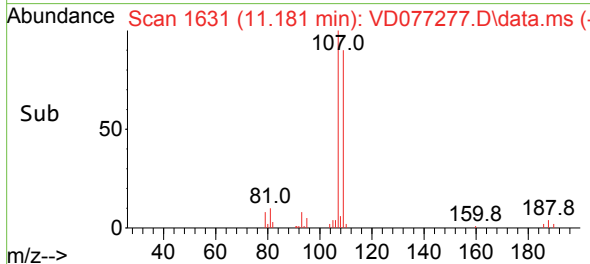
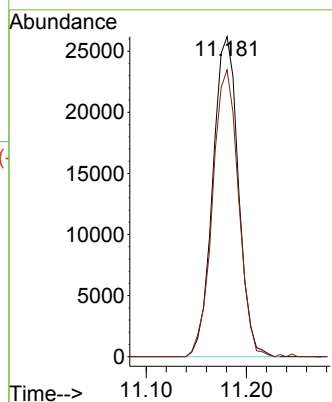
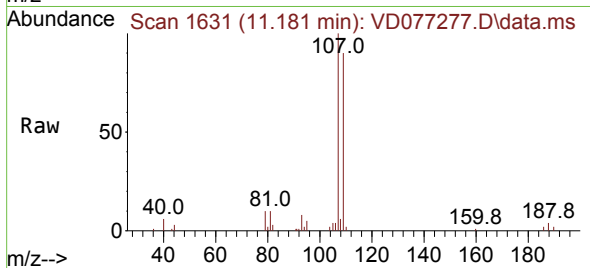
ClientSampleId :

Tgt Ion:107 Resp: 46344

Ion Ratio Lower Upper

107 100

109 91.1 75.6 113.4



#62

4-Bromofluorobenzene

Concen: 18.015 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. -0.006 min

Lab File: VD077277.D

Acq: 05 Oct 2023 16:03

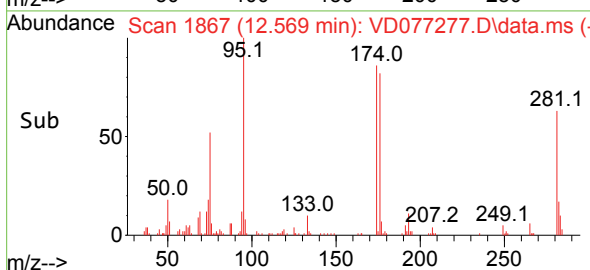
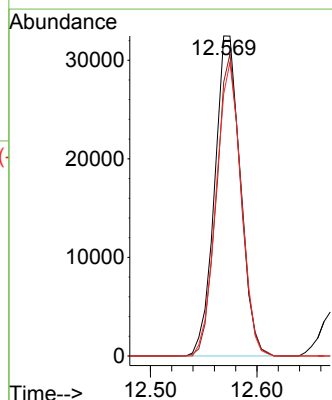
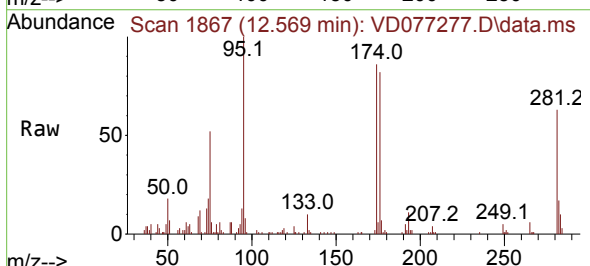
Tgt Ion: 95 Resp: 54393

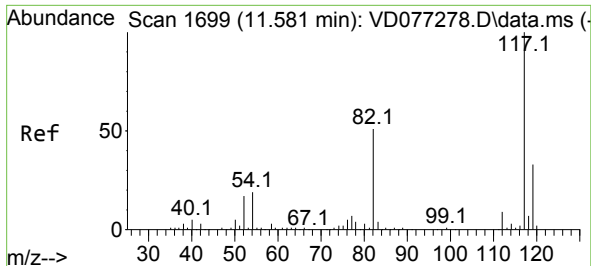
Ion Ratio Lower Upper

95 100

174 89.4 0.0 201.8

176 89.1 0.0 191.8

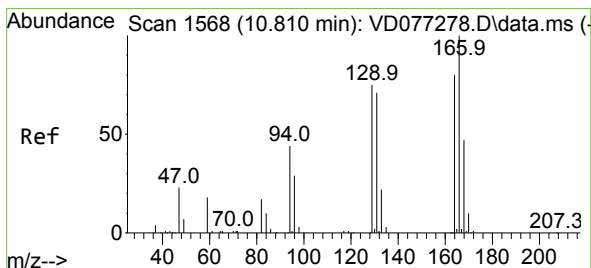
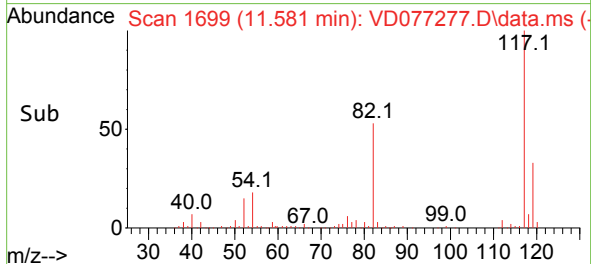
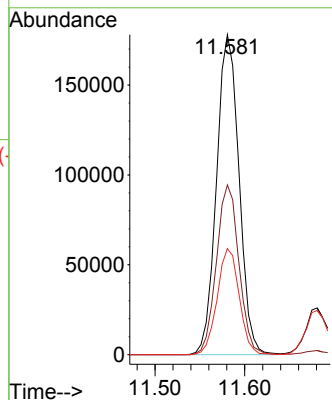
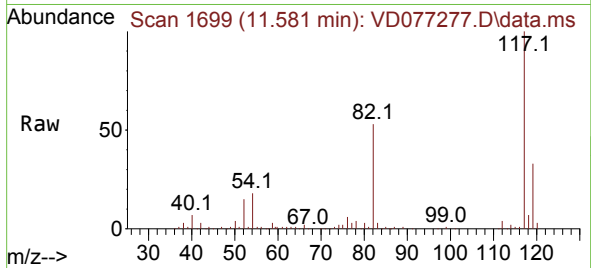




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD077277.D  
Acq: 05 Oct 2023 16:03

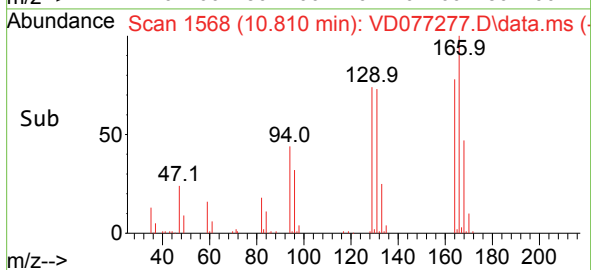
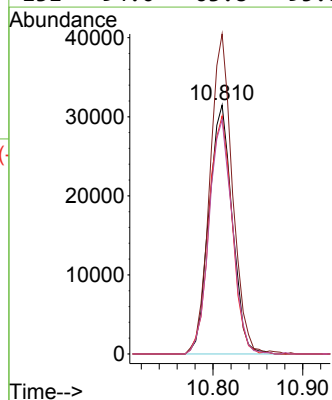
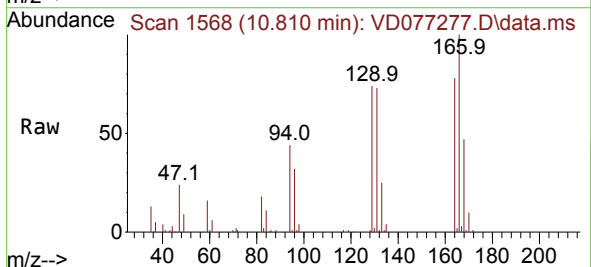
Instrument :  
MSVOA\_D  
ClientSampleId :

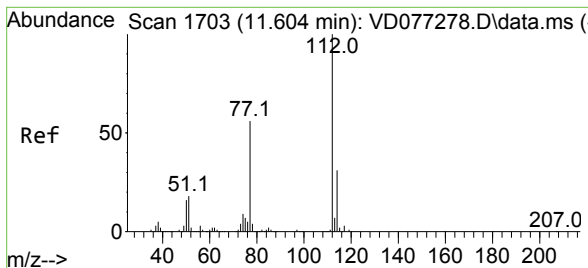
Tgt Ion:117 Resp: 310478  
Ion Ratio Lower Upper  
117 100  
82 53.0 38.3 57.5  
119 33.2 25.0 37.4



#64  
Tetrachloroethene  
Concen: 19.930 ug/l  
RT: 10.810 min Scan# 1568  
Delta R.T. -0.000 min  
Lab File: VD077277.D  
Acq: 05 Oct 2023 16:03

Tgt Ion:164 Resp: 56727  
Ion Ratio Lower Upper  
164 100  
166 128.6 99.2 148.8  
129 95.7 68.4 102.6  
131 94.0 63.8 95.8

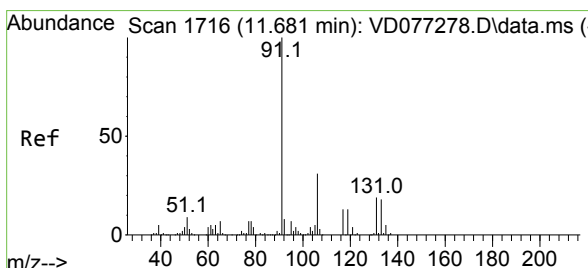
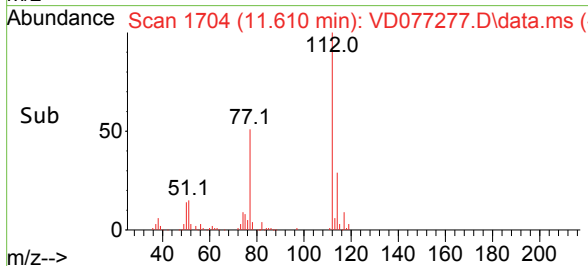
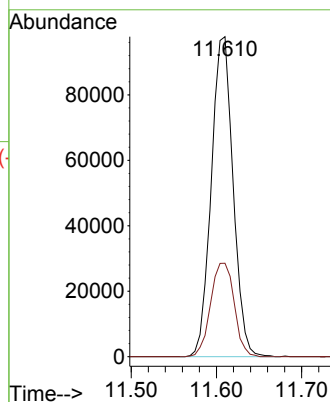
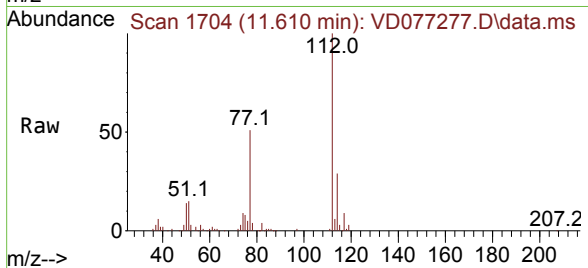




#65  
Chlorobenzene  
Concen: 19.865 ug/l  
RT: 11.610 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VD077277.D  
Acq: 05 Oct 2023 16:03

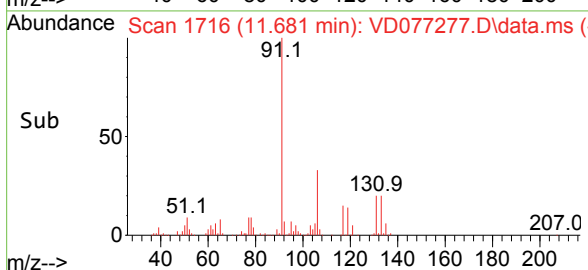
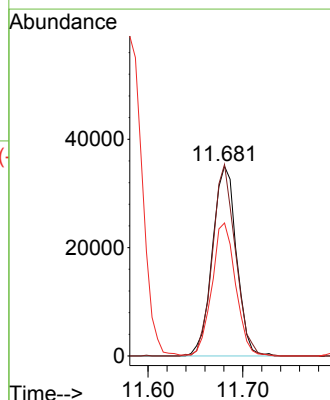
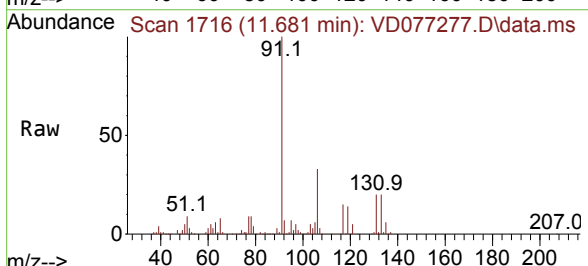
Instrument :  
MSVOA\_D  
ClientSampleId :

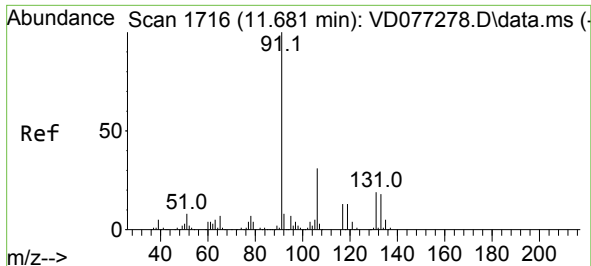
Tgt Ion:112 Resp: 173812  
Ion Ratio Lower Upper  
112 100  
114 29.2 25.1 37.7



#66  
1,1,1,2-Tetrachloroethane  
Concen: 20.028 ug/l  
RT: 11.681 min Scan# 1716  
Delta R.T. -0.000 min  
Lab File: VD077277.D  
Acq: 05 Oct 2023 16:03

Tgt Ion:131 Resp: 61762  
Ion Ratio Lower Upper  
131 100  
133 96.5 48.5 145.5  
119 69.0 35.6 106.9





#67

Ethyl Benzene

Concen: 19.248 ug/l

RT: 11.687 min Scan# 1716

Delta R.T. 0.006 min

Lab File: VD077277.D

Acq: 05 Oct 2023 16:03

Instrument :

MSVOA\_D

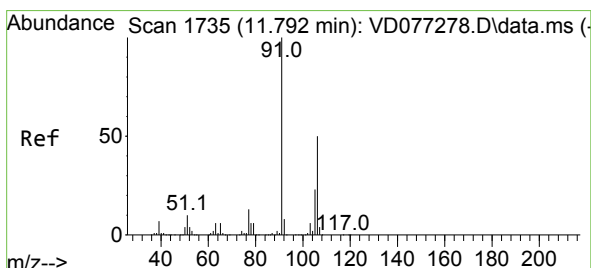
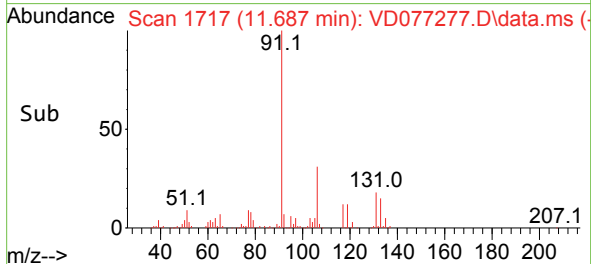
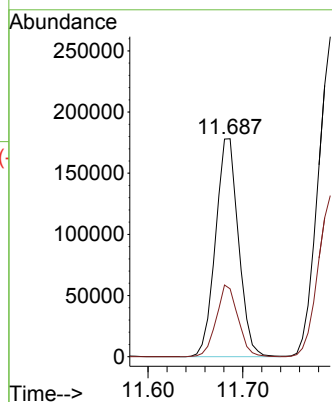
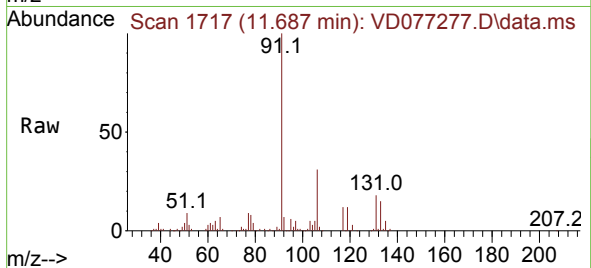
ClientSampleId :

Tgt Ion: 91 Resp: 299966

Ion Ratio Lower Upper

91 100

106 31.2 26.5 39.7



#68

m/p-Xylenes

Concen: 39.474 ug/l

RT: 11.792 min Scan# 1735

Delta R.T. -0.000 min

Lab File: VD077277.D

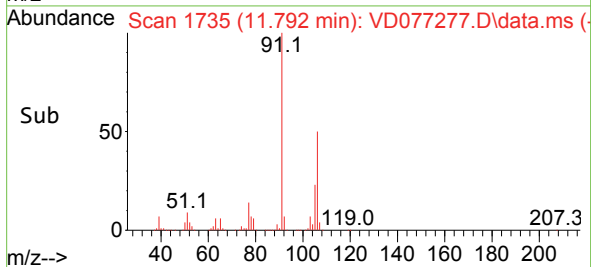
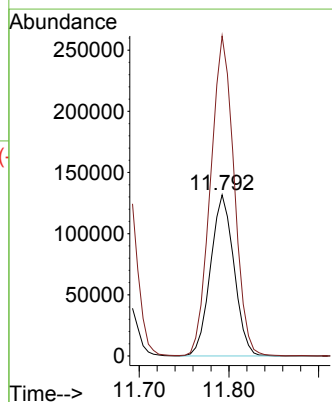
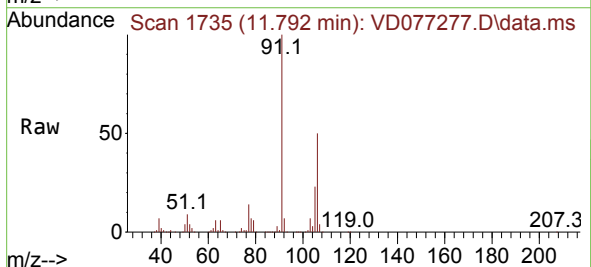
Acq: 05 Oct 2023 16:03

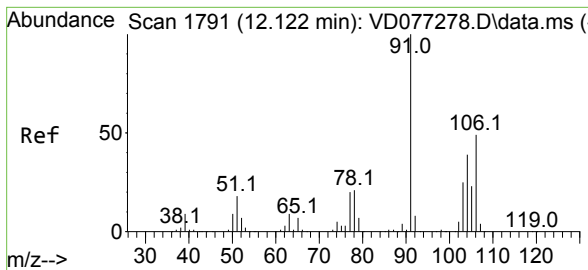
Tgt Ion:106 Resp: 239091

Ion Ratio Lower Upper

106 100

91 199.5 147.0 220.6

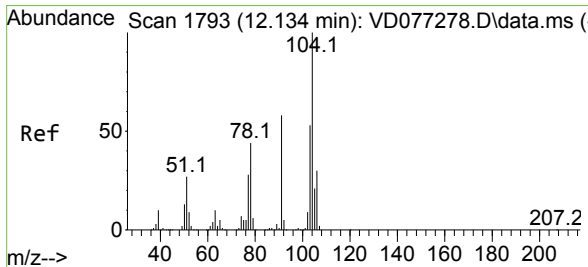
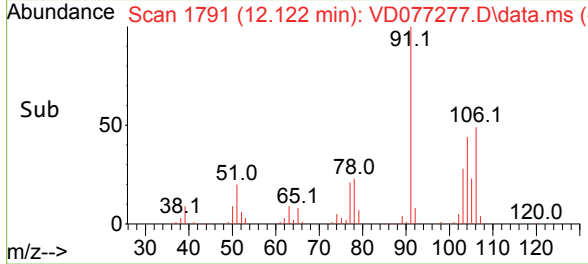
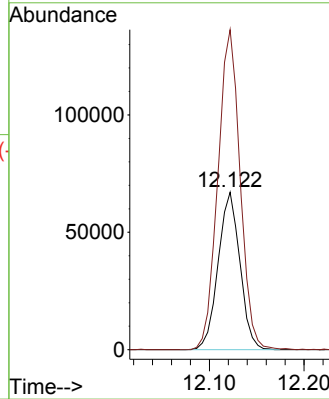
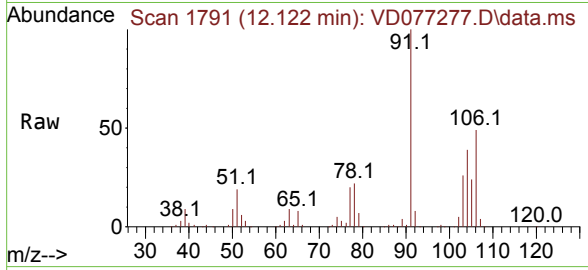




#69  
o-Xylene  
Concen: 19.459 ug/l  
RT: 12.122 min Scan# 1791  
Delta R.T. -0.000 min  
Lab File: VD077277.D  
Acq: 05 Oct 2023 16:03

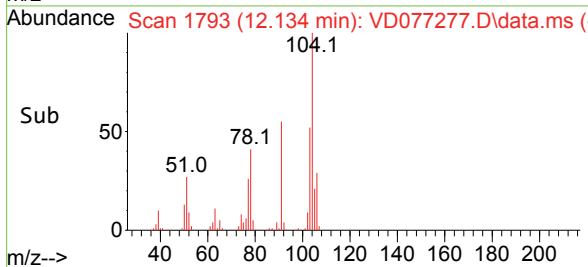
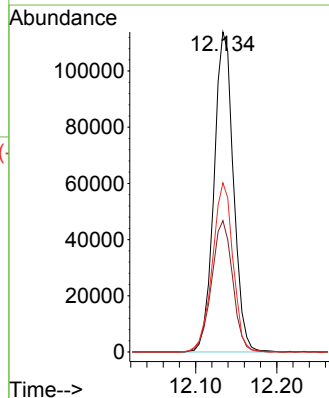
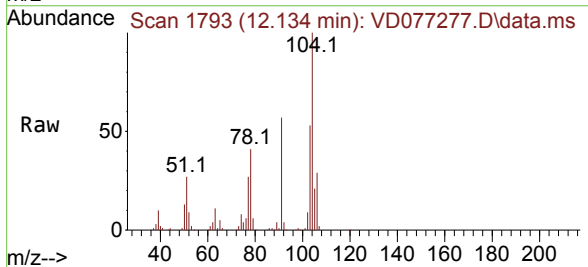
Instrument :  
MSVOA\_D  
ClientSampleId :

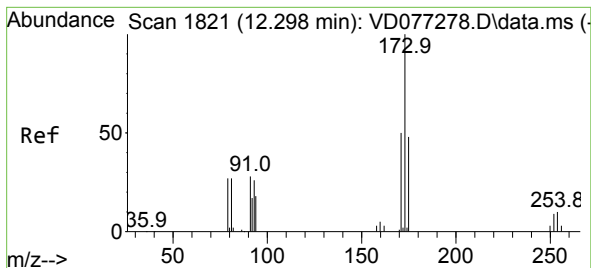
Tgt Ion:106 Resp: 107092  
Ion Ratio Lower Upper  
106 100  
91 208.0 97.9 293.6



#70  
Styrene  
Concen: 20.024 ug/l  
RT: 12.134 min Scan# 1793  
Delta R.T. -0.000 min  
Lab File: VD077277.D  
Acq: 05 Oct 2023 16:03

Tgt Ion:104 Resp: 189306  
Ion Ratio Lower Upper  
104 100  
78 44.6 33.2 49.8  
103 56.0 43.6 65.4





#71

Bromoform

Concen: 20.013 ug/l

RT: 12.298 min Scan# 1821

Delta R.T. -0.000 min

Lab File: VD077277.D

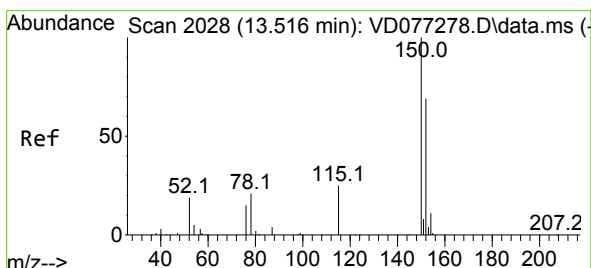
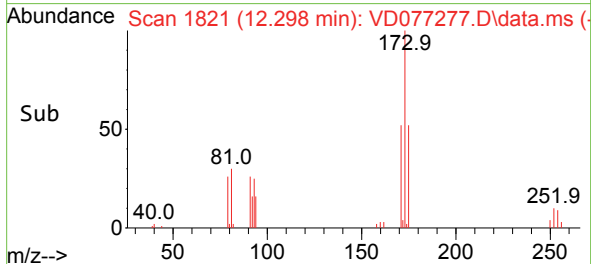
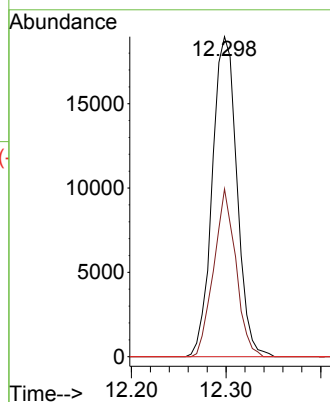
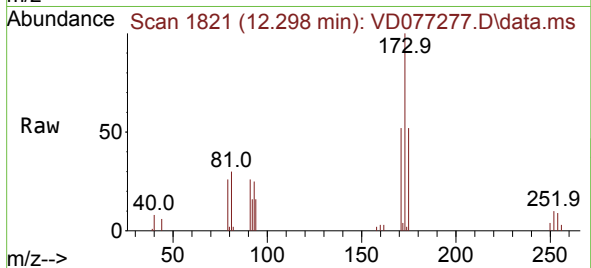
Acq: 05 Oct 2023 16:03

Instrument :

MSVOA\_D

ClientSampleId :

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:173 | Resp: | 34277     |
| Ion Ratio   | Lower | Upper     |
| 173         | 100   |           |
| 175         | 47.1  | 24.6 73.8 |
| 254         | 0.0   | 0.0 0.0   |



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

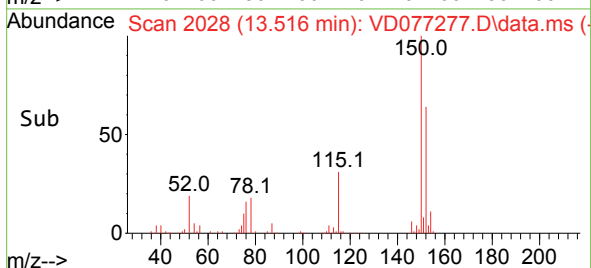
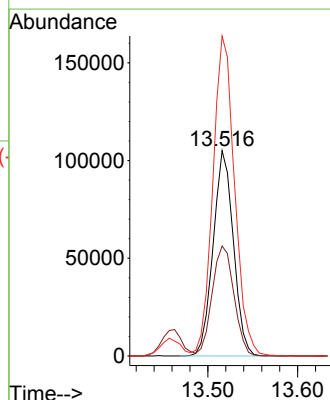
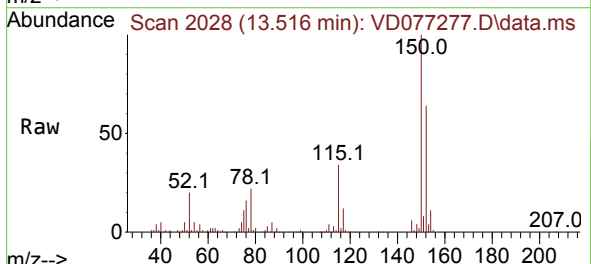
RT: 13.516 min Scan# 2028

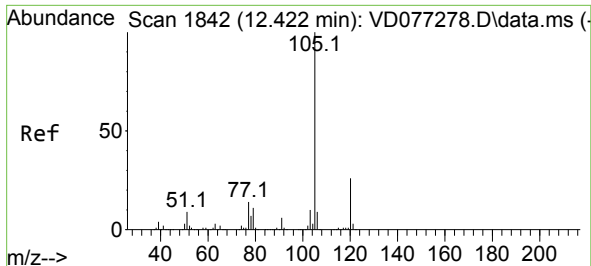
Delta R.T. -0.000 min

Lab File: VD077277.D

Acq: 05 Oct 2023 16:03

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:152 | Resp: | 165047    |
| Ion Ratio   | Lower | Upper     |
| 152         | 100   |           |
| 115         | 57.4  | 27.1 81.3 |
| 150         | 166.7 | 0.0 353.6 |

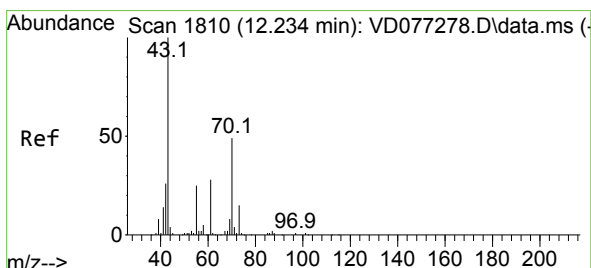
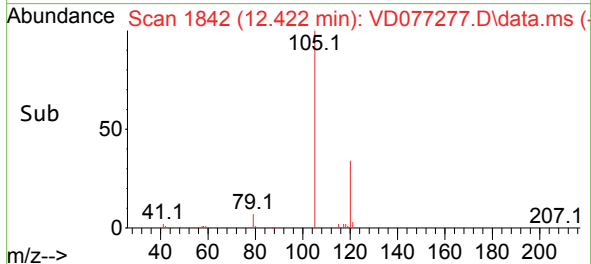
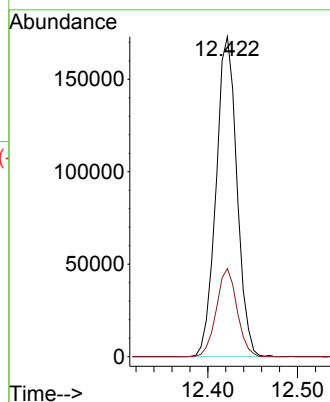
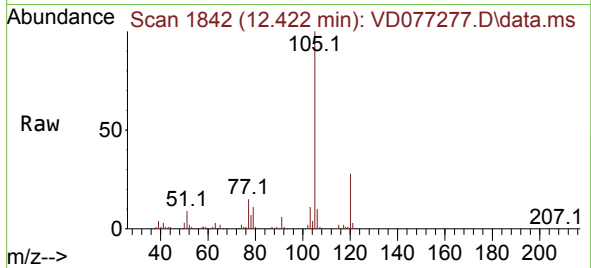




#73  
Isopropylbenzene  
Concen: 18.708 ug/l  
RT: 12.422 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD077277.D  
Acq: 05 Oct 2023 16:03

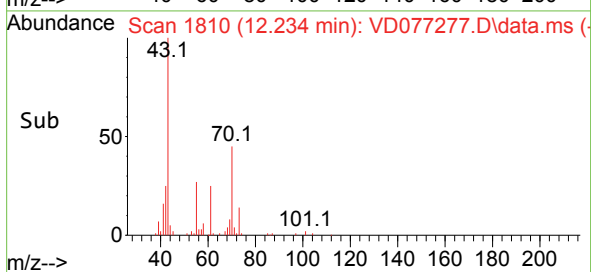
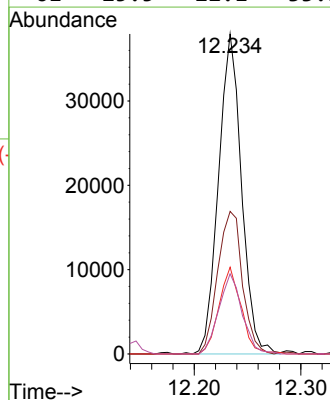
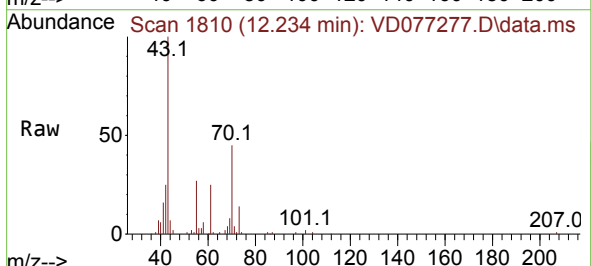
Instrument :  
MSVOA\_D  
ClientSampleId :

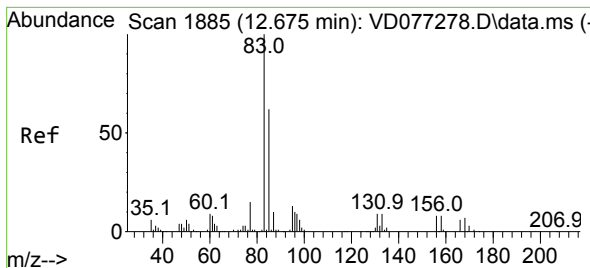
Tgt Ion:105 Resp: 279362  
Ion Ratio Lower Upper  
105 100  
120 27.3 14.3 42.9



#74  
N-ethyl acetate  
Concen: 18.555 ug/l  
RT: 12.234 min Scan# 1810  
Delta R.T. -0.000 min  
Lab File: VD077277.D  
Acq: 05 Oct 2023 16:03

Tgt Ion: 43 Resp: 56901  
Ion Ratio Lower Upper  
43 100  
70 47.7 45.0 67.4  
55 26.2 23.8 35.6  
61 25.5 22.1 33.1





#75

1,1,2,2-Tetrachloroethane

Concen: 19.560 ug/l

RT: 12.669 min Scan# 1884

Delta R.T. -0.006 min

Lab File: VD077277.D

Acq: 05 Oct 2023 16:03

Instrument :

MSVOA\_D

ClientSampleId :

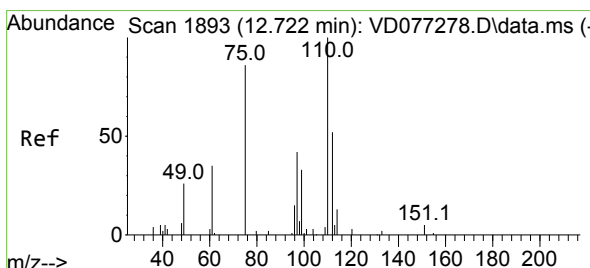
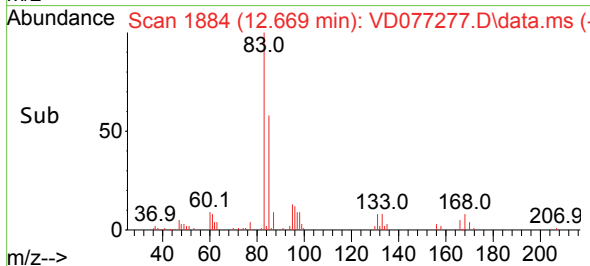
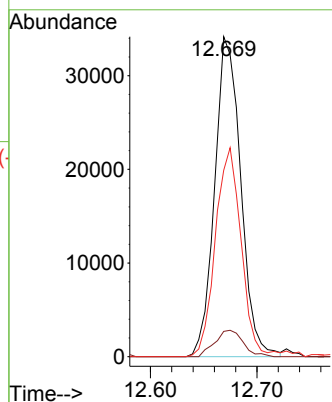
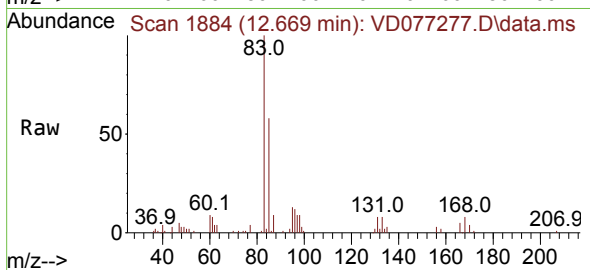
Tgt Ion: 83 Resp: 58040

Ion Ratio Lower Upper

83 100

131 9.0 5.1 15.3

85 64.6 32.6 97.8



#76

1,2,3-Trichloropropane

Concen: 41.933 ug/l

RT: 12.722 min Scan# 1893

Delta R.T. -0.000 min

Lab File: VD077277.D

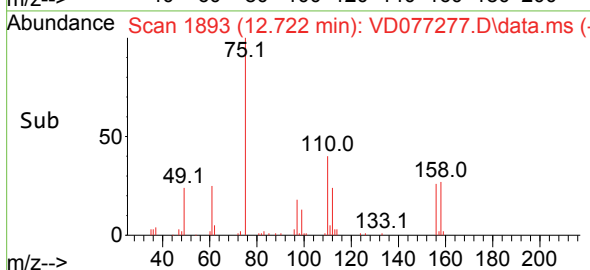
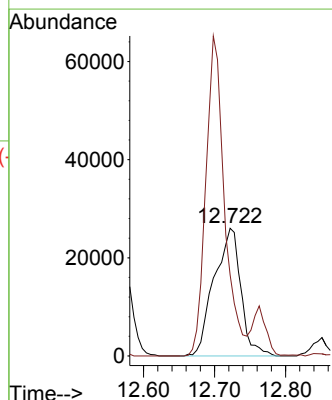
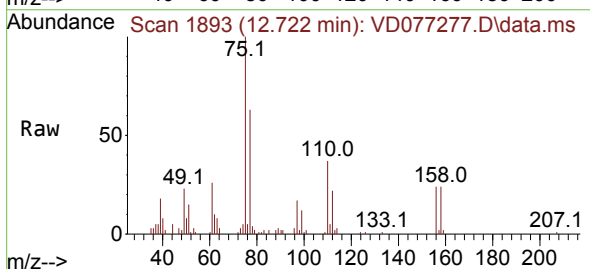
Acq: 05 Oct 2023 16:03

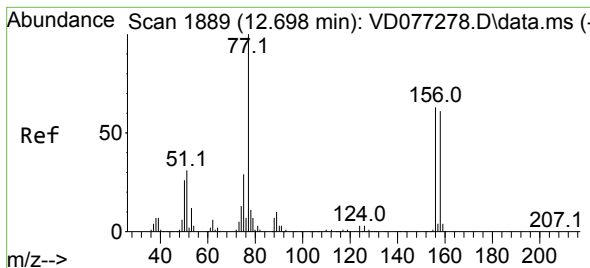
Tgt Ion: 75 Resp: 68104

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 19.410 ug/l

RT: 12.698 min Scan# 1889

Delta R.T. -0.000 min

Lab File: VD077277.D

Acq: 05 Oct 2023 16:03

Instrument :

MSVOA\_D

ClientSampleId :

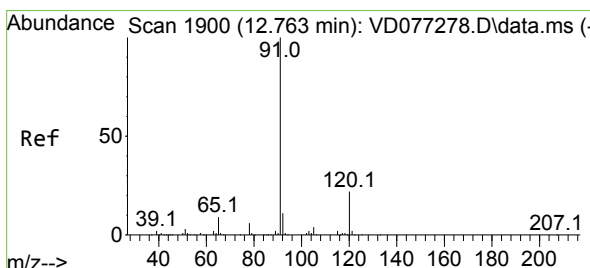
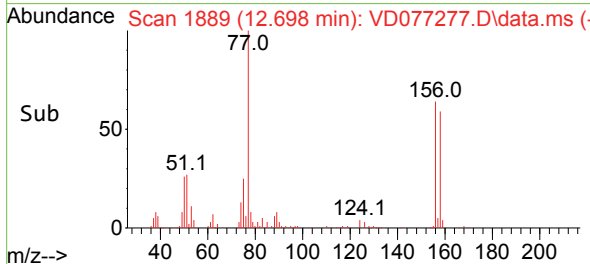
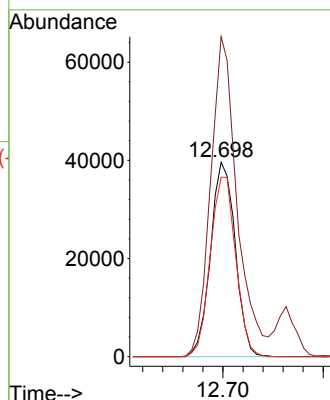
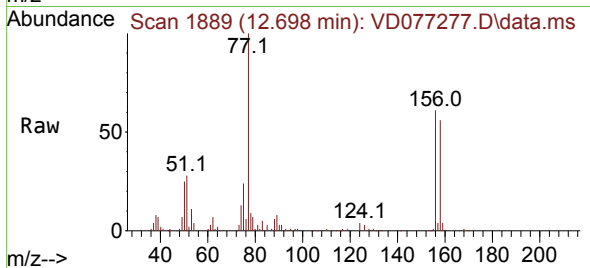
Tgt Ion:156 Resp: 67648

Ion Ratio Lower Upper

156 100

77 177.0 76.8 230.4

158 95.6 48.6 145.9



#78

n-propylbenzene

Concen: 19.085 ug/l

RT: 12.763 min Scan# 1900

Delta R.T. -0.000 min

Lab File: VD077277.D

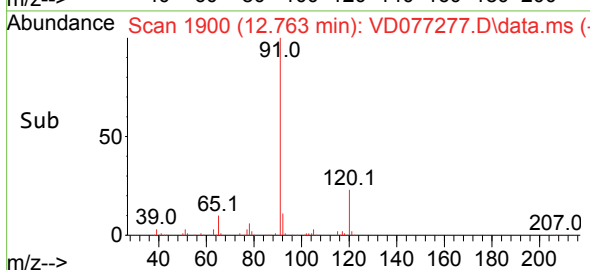
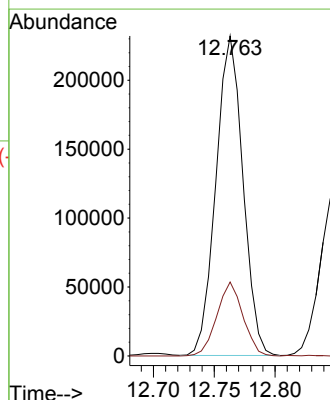
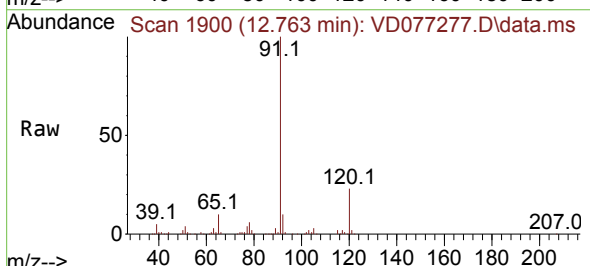
Acq: 05 Oct 2023 16:03

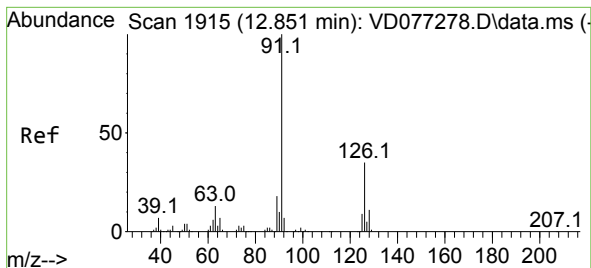
Tgt Ion: 91 Resp: 357795

Ion Ratio Lower Upper

91 100

120 22.3 12.4 37.2





#79

2-Chlorotoluene

Concen: 19.036 ug/l

RT: 12.845 min Scan# 1915

Delta R.T. -0.006 min

Lab File: VD077277.D

Acq: 05 Oct 2023 16:03

Instrument :

MSVOA\_D

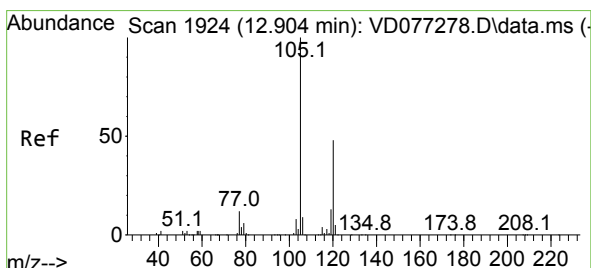
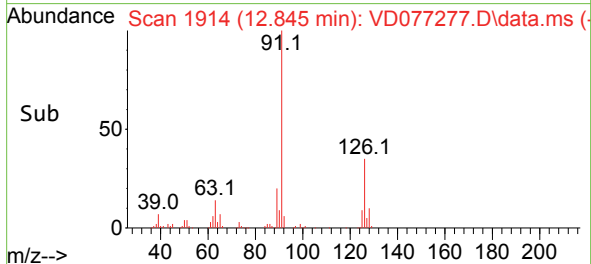
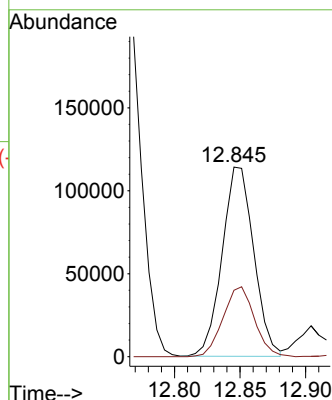
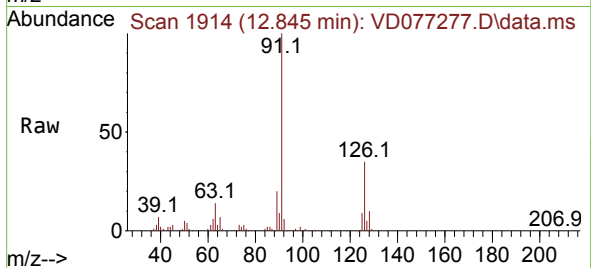
ClientSampleId :

Tgt Ion: 91 Resp: 192051

Ion Ratio Lower Upper

91 100

126 36.6 19.4 58.1



#80

1,3,5-Trimethylbenzene

Concen: 19.304 ug/l

RT: 12.904 min Scan# 1924

Delta R.T. -0.000 min

Lab File: VD077277.D

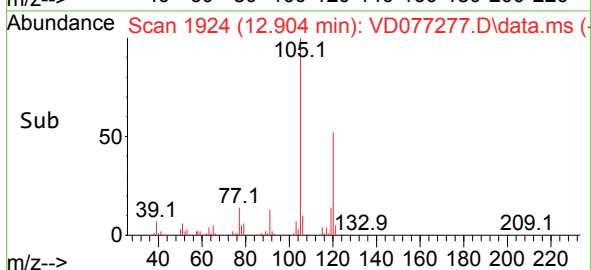
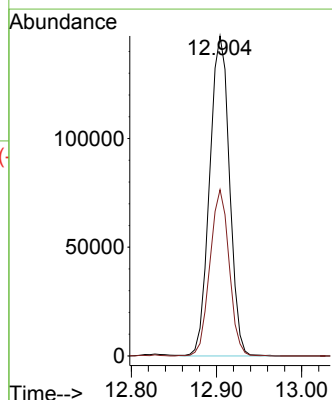
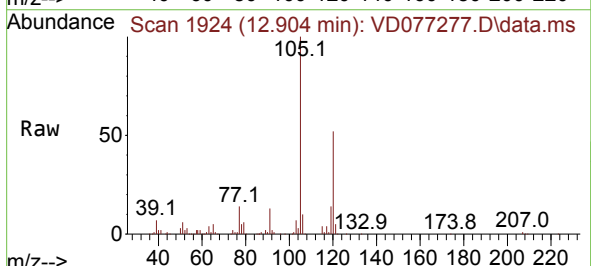
Acq: 05 Oct 2023 16:03

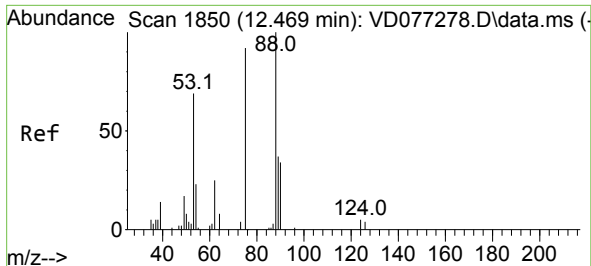
Tgt Ion:105 Resp: 238237

Ion Ratio Lower Upper

105 100

120 50.4 26.4 79.2

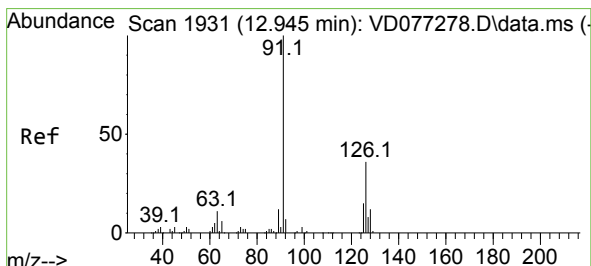
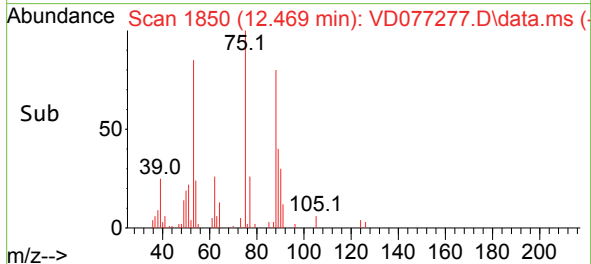
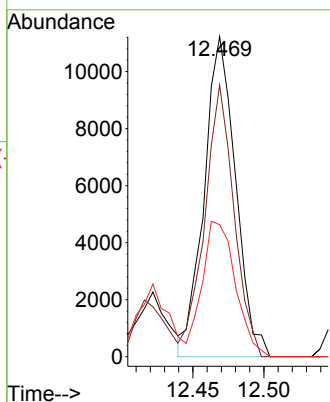
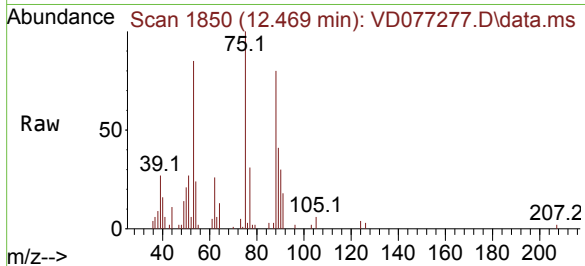




#81  
trans-1,4-Dichloro-2-butene  
Concen: 17.940 ug/l  
RT: 12.469 min Scan# 1850  
Delta R.T. -0.000 min  
Lab File: VD077277.D  
Acq: 05 Oct 2023 16:03

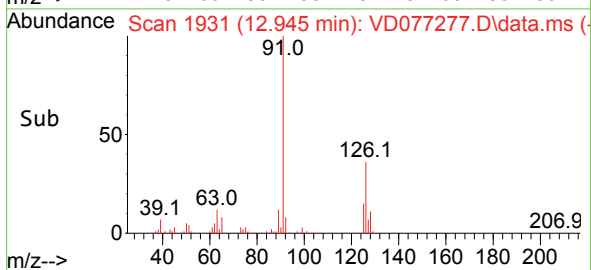
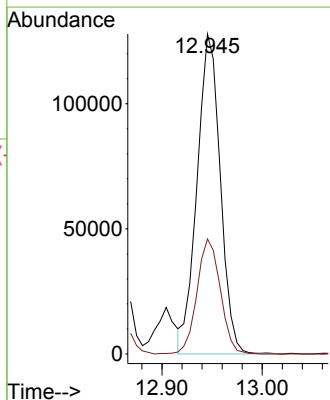
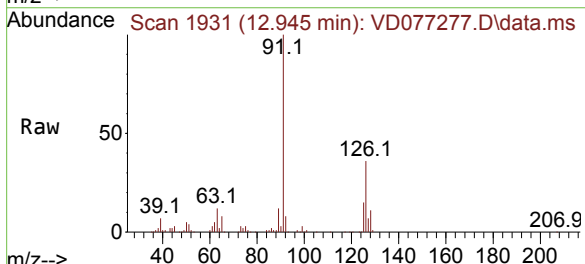
Instrument :  
MSVOA\_D  
ClientSampleId :

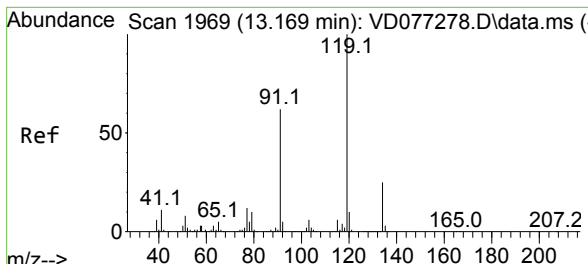
Tgt Ion: 75 Resp: 17265  
Ion Ratio Lower Upper  
75 100  
53 79.2 63.0 94.4  
89 44.6 37.9 56.9



#82  
4-Chlorotoluene  
Concen: 19.399 ug/l  
RT: 12.945 min Scan# 1931  
Delta R.T. -0.000 min  
Lab File: VD077277.D  
Acq: 05 Oct 2023 16:03

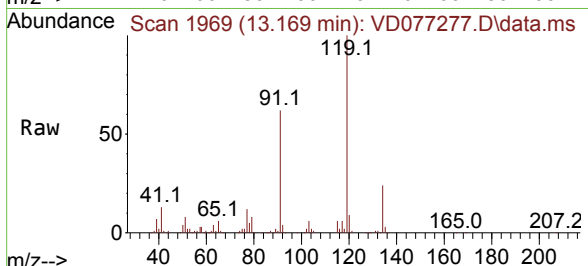
Tgt Ion: 91 Resp: 206140  
Ion Ratio Lower Upper  
91 100  
126 36.1 19.4 58.4



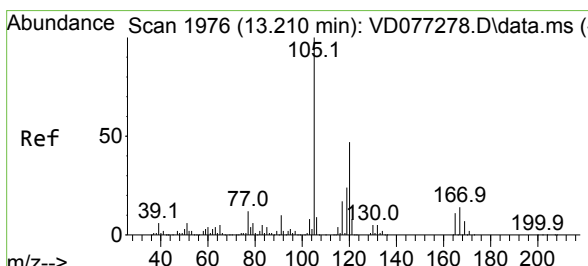
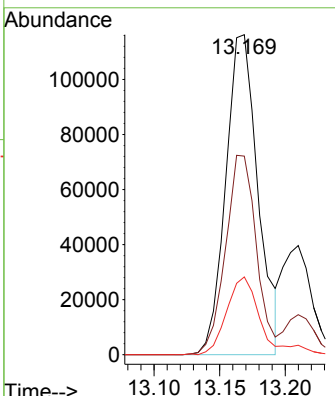
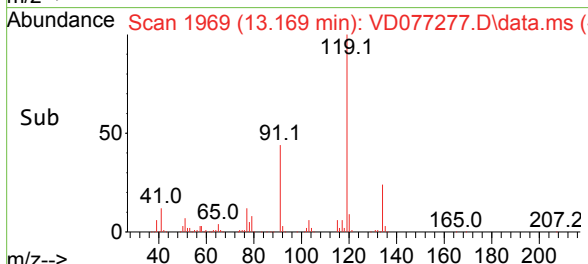


#83  
 tert-Butylbenzene  
 Concen: 18.954 ug/l  
 RT: 13.169 min Scan# 1969  
 Delta R.T. -0.000 min  
 Lab File: VD077277.D  
 Acq: 05 Oct 2023 16:03

Instrument :  
 MSVOA\_D  
 ClientSampleId :

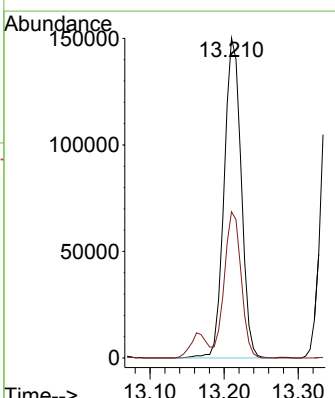
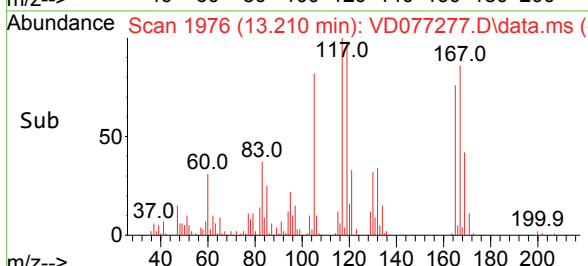
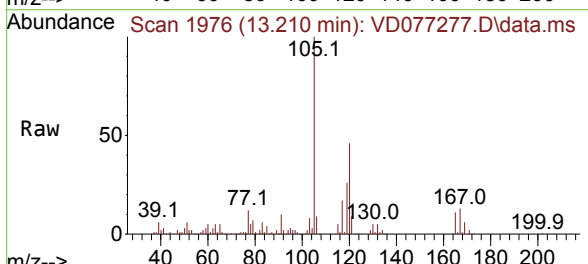


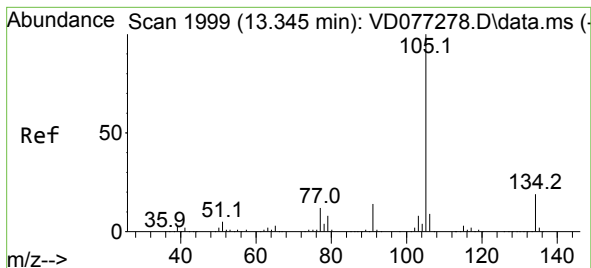
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 119   | Resp: | 199398 |
| Ion Ratio | Lower | Upper |        |
| 119       | 100   |       |        |
| 91        | 59.6  | 29.3  | 87.8   |
| 134       | 25.7  | 14.1  | 42.3   |



#84  
 1,2,4-Trimethylbenzene  
 Concen: 19.431 ug/l  
 RT: 13.210 min Scan# 1976  
 Delta R.T. -0.000 min  
 Lab File: VD077277.D  
 Acq: 05 Oct 2023 16:03

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 105   | Resp: | 239743 |
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 120       | 45.3  | 24.3  | 72.9   |





#85

sec-Butylbenzene

Concen: 18.936 ug/l

RT: 13.345 min Scan# 1999

Delta R.T. -0.000 min

Lab File: VD077277.D

Acq: 05 Oct 2023 16:03

Instrument :

MSVOA\_D

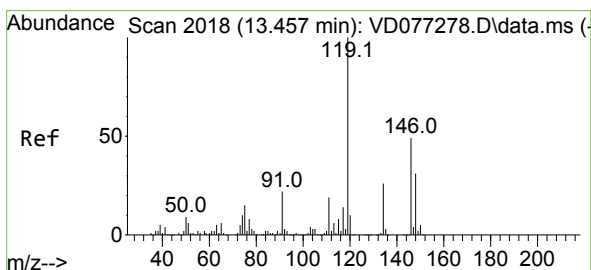
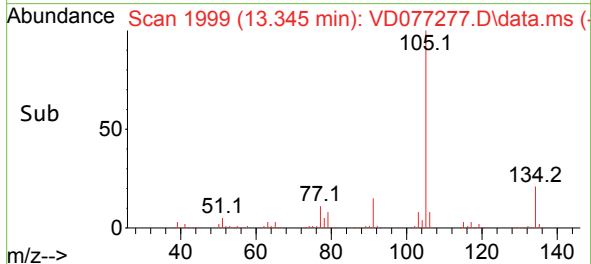
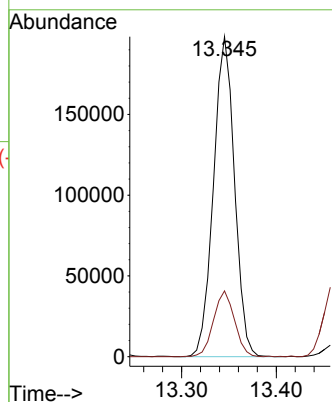
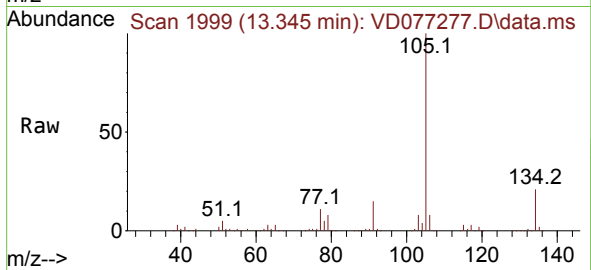
ClientSampleId :

Tgt Ion:105 Resp: 305455

Ion Ratio Lower Upper

105 100

134 20.5 10.9 32.9



#86

p-Isopropyltoluene

Concen: 18.863 ug/l

RT: 13.457 min Scan# 2018

Delta R.T. -0.000 min

Lab File: VD077277.D

Acq: 05 Oct 2023 16:03

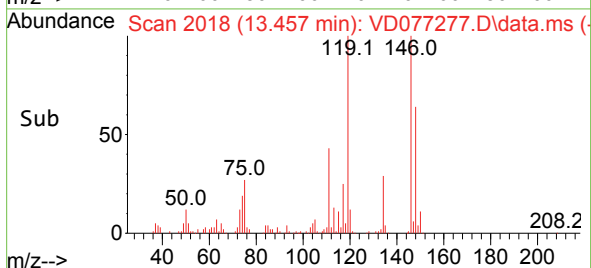
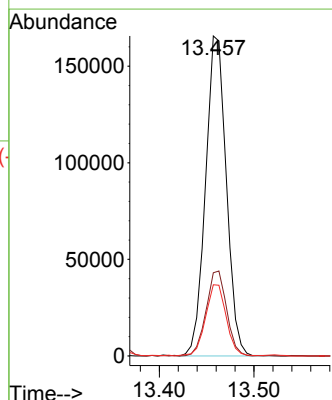
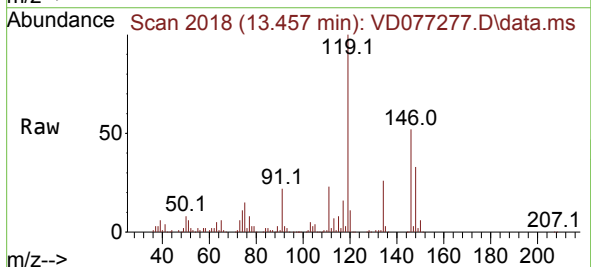
Tgt Ion:119 Resp: 252762

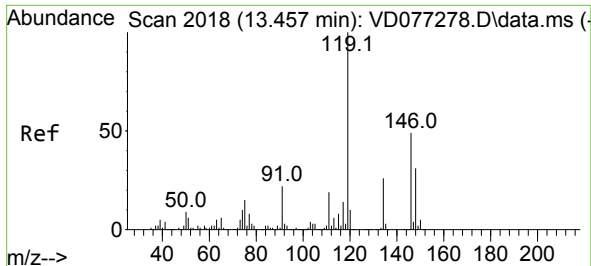
Ion Ratio Lower Upper

119 100

134 26.3 14.2 42.6

91 22.2 10.5 31.5

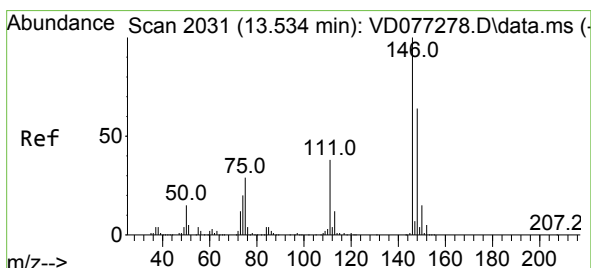
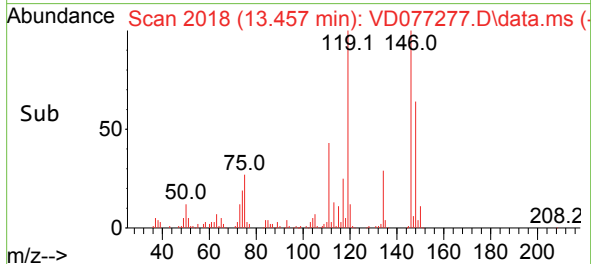
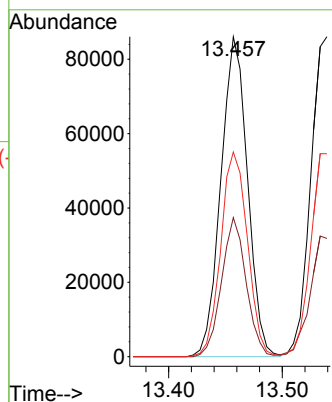
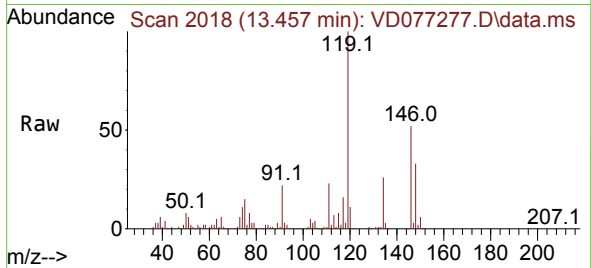




#87  
1,3-Dichlorobenzene  
Concen: 19.394 ug/l  
RT: 13.457 min Scan# 2018  
Delta R.T. -0.000 min  
Lab File: VD077277.D  
Acq: 05 Oct 2023 16:03

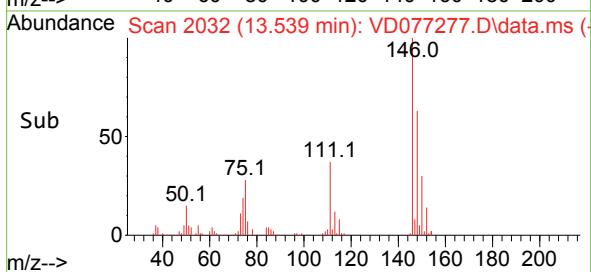
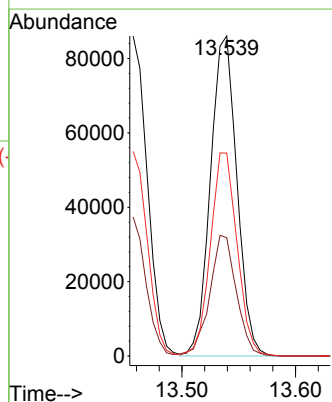
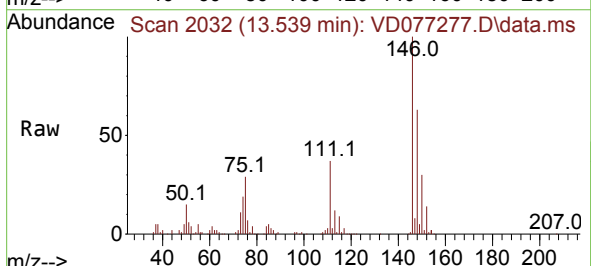
Instrument :  
MSVOA\_D  
ClientSampleId :

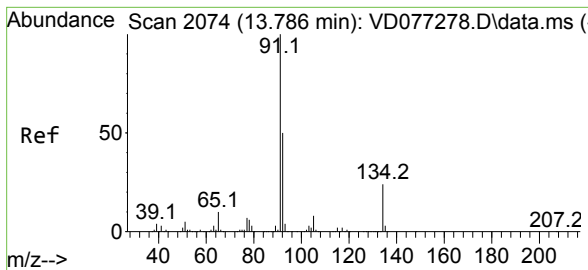
Tgt Ion:146 Resp: 140316  
Ion Ratio Lower Upper  
146 100  
111 40.2 17.9 53.8  
148 64.1 32.3 96.8



#88  
1,4-Dichlorobenzene  
Concen: 19.491 ug/l  
RT: 13.539 min Scan# 2032  
Delta R.T. 0.006 min  
Lab File: VD077277.D  
Acq: 05 Oct 2023 16:03

Tgt Ion:146 Resp: 139515  
Ion Ratio Lower Upper  
146 100  
111 38.0 17.4 52.3  
148 64.1 31.7 95.1

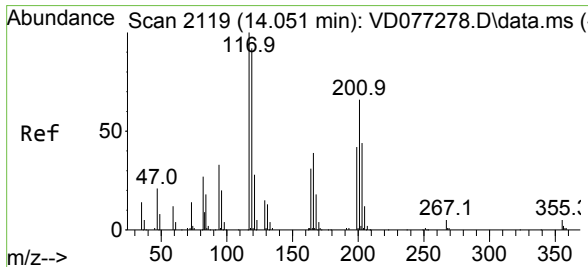
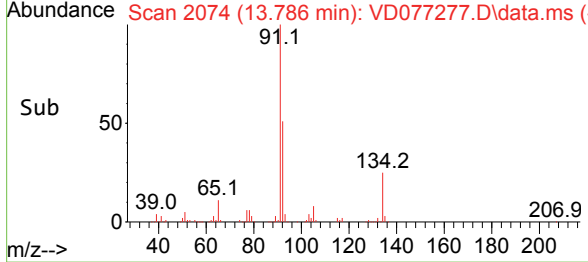
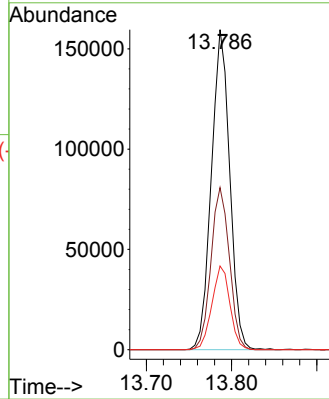
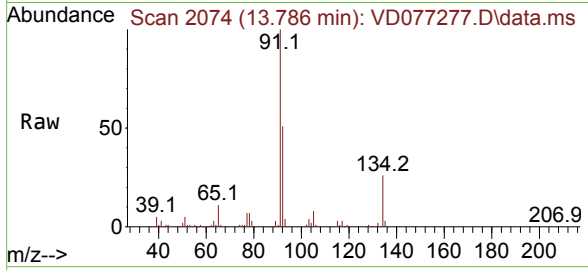




#89  
n-Butylbenzene  
Concen: 18.481 ug/l  
RT: 13.786 min Scan# 2074  
Delta R.T. -0.000 min  
Lab File: VD077277.D  
Acq: 05 Oct 2023 16:03

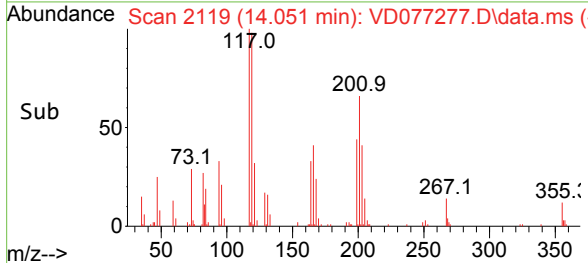
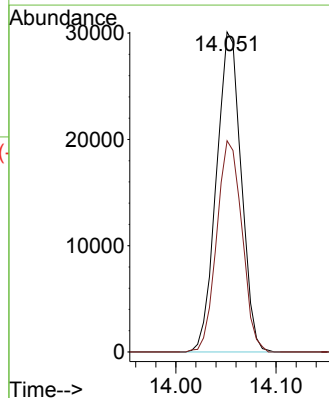
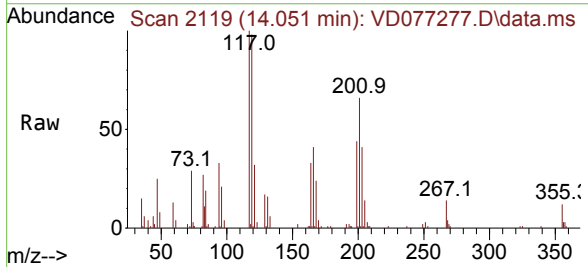
Instrument :  
MSVOA\_D  
ClientSampleId :

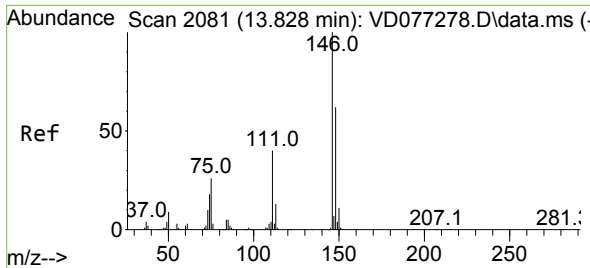
Tgt Ion: 91 Resp: 238582  
Ion Ratio Lower Upper  
91 100  
92 50.8 26.5 79.5  
134 25.7 13.8 41.3



#90  
Hexachloroethane  
Concen: 19.245 ug/l  
RT: 14.051 min Scan# 2119  
Delta R.T. -0.000 min  
Lab File: VD077277.D  
Acq: 05 Oct 2023 16:03

Tgt Ion: 117 Resp: 51634  
Ion Ratio Lower Upper  
117 100  
201 67.3 38.5 115.5

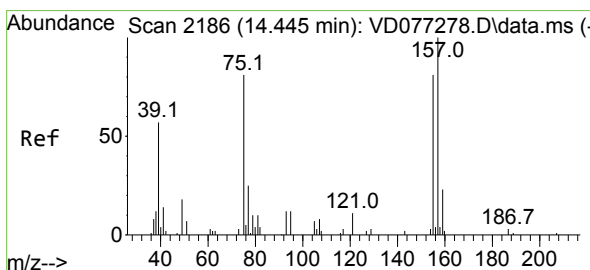
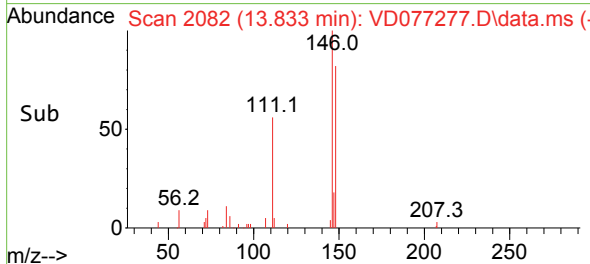
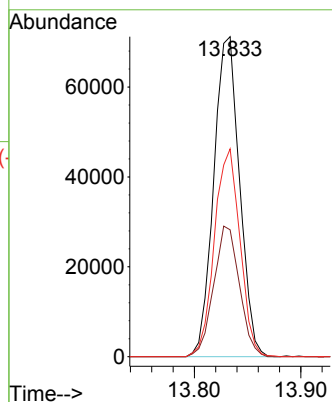
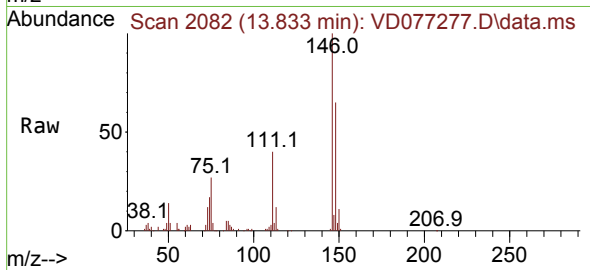




#91  
 1,2-Dichlorobenzene  
 Concen: 19.401 ug/l  
 RT: 13.833 min Scan# 2081  
 Delta R.T. 0.006 min  
 Lab File: VD077277.D  
 Acq: 05 Oct 2023 16:03

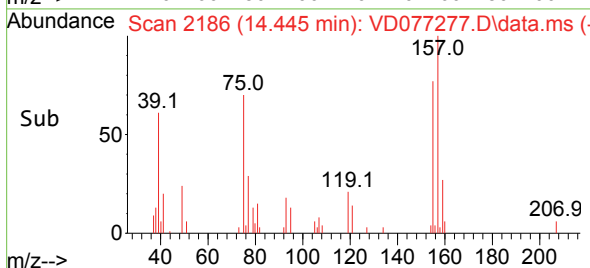
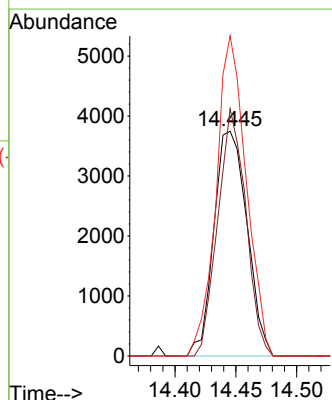
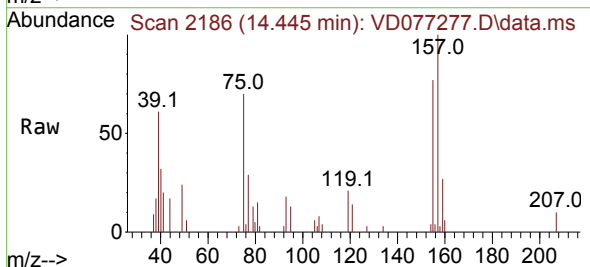
Instrument :  
 MSVOA\_D  
 ClientSampleId :

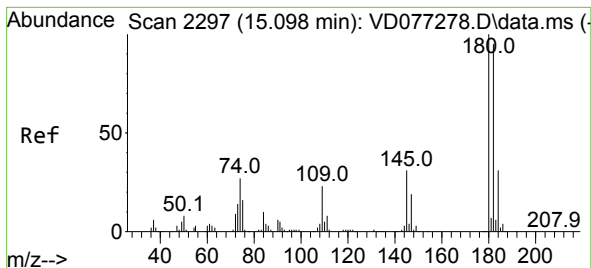
Tgt Ion:146 Resp: 119798  
 Ion Ratio Lower Upper  
 146 100  
 111 40.7 18.3 54.8  
 148 64.4 31.6 94.7



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 18.434 ug/l  
 RT: 14.445 min Scan# 2186  
 Delta R.T. -0.000 min  
 Lab File: VD077277.D  
 Acq: 05 Oct 2023 16:03

Tgt Ion: 75 Resp: 7083  
 Ion Ratio Lower Upper  
 75 100  
 155 93.1 47.9 143.8  
 157 129.7 59.9 179.7





#93

1,2,4-Trichlorobenzene

Concen: 18.528 ug/l

RT: 15.098 min Scan# 2297

Delta R.T. -0.000 min

Lab File: VD077277.D

Acq: 05 Oct 2023 16:03

Instrument :

MSVOA\_D

ClientSampleId :

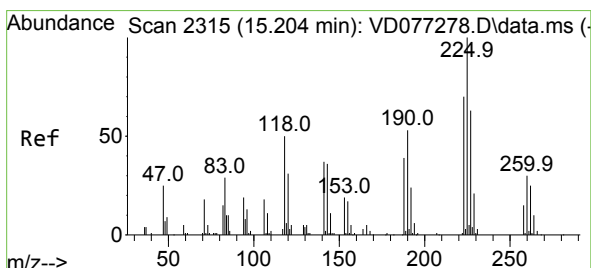
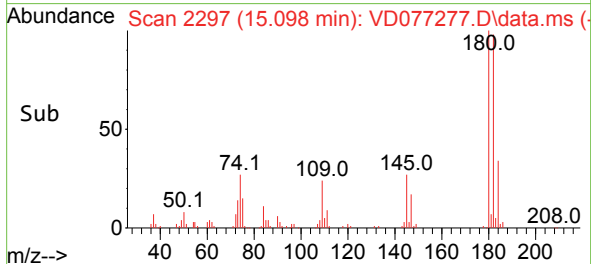
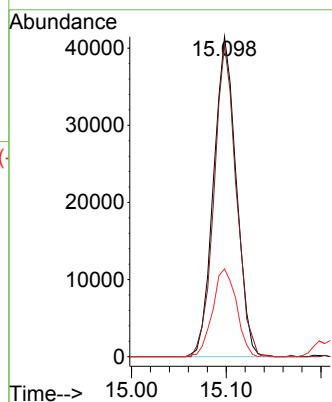
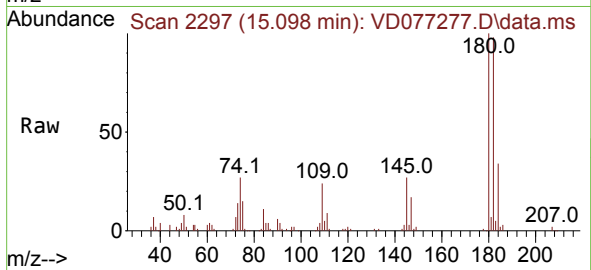
Tgt Ion:180 Resp: 68740

Ion Ratio Lower Upper

180 100

182 95.8 48.5 145.6

145 29.1 14.2 42.6



#94

Hexachlorobutadiene

Concen: 18.777 ug/l

RT: 15.204 min Scan# 2315

Delta R.T. -0.000 min

Lab File: VD077277.D

Acq: 05 Oct 2023 16:03

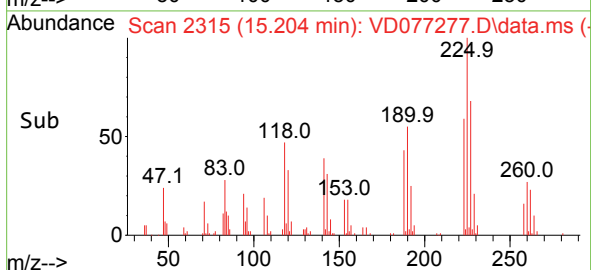
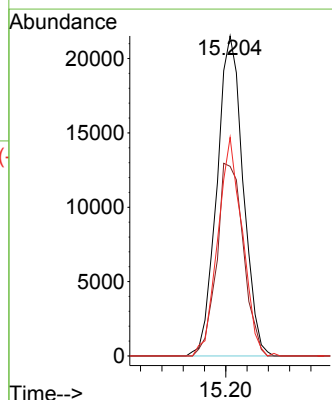
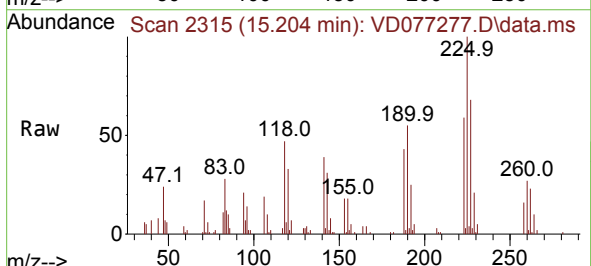
Tgt Ion:225 Resp: 36708

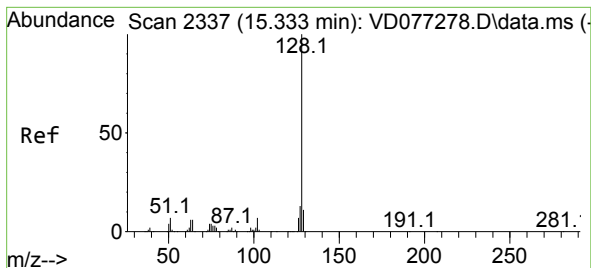
Ion Ratio Lower Upper

225 100

223 61.0 31.6 94.8

227 63.9 31.7 95.1





#95

Naphthalene

Concen: 17.923 ug/l

RT: 15.333 min Scan# 21

Delta R.T. 0.000 min

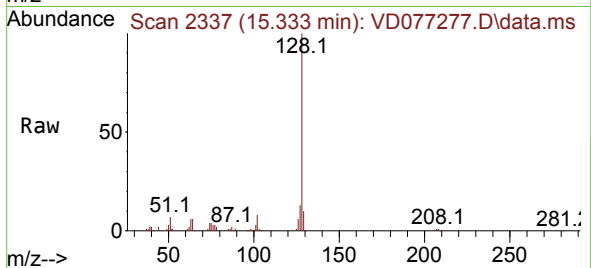
Lab File: VD077277.D

Acq: 05 Oct 2023 16:03

Instrument :

MSVOA\_D

ClientSampleId :



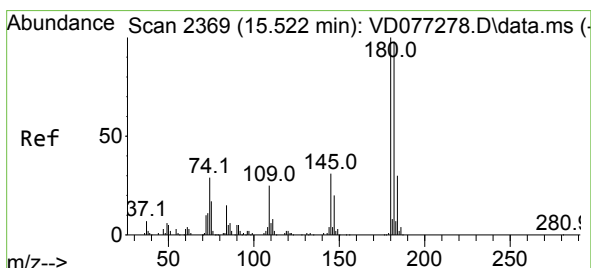
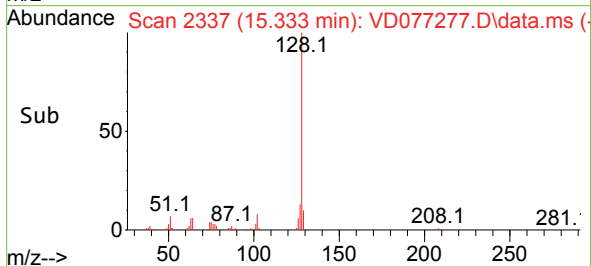
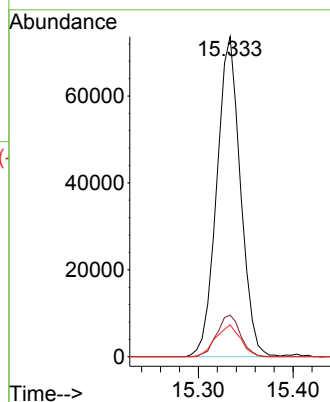
Tgt Ion:128 Resp: 127954

Ion Ratio Lower Upper

128 100

127 13.0 10.5 15.7

129 9.9 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 18.473 ug/l

RT: 15.522 min Scan# 2369

Delta R.T. -0.000 min

Lab File: VD077277.D

Acq: 05 Oct 2023 16:03

Tgt Ion:180 Resp: 60972

Ion Ratio Lower Upper

180 100

182 93.1 47.3 141.9

145 32.7 15.1 45.3

