

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD121223\  
 Data File : VD077830.D  
 Acq On : 11 Dec 2023 23:45  
 Operator : JC/SY  
 Sample : VSTDCCC050  
 Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: Dec 12 00:55:03 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D120823S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Dec 08 13:33:18 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.881  | 168  | 134470   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.781  | 114  | 233950   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.581 | 117  | 220629   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.522 | 152  | 116368   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 8.234  | 65    | 83357    | 52.607   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 105.220% |      |
| 35) Dibromofluoromethane    | 7.810  | 113   | 82655    | 50.438   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 100.880% |      |
| 50) Toluene-d8              | 10.269 | 98    | 340137   | 51.823   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | = 103.640% |      |
| 62) 4-Bromofluorobenzene    | 12.575 | 95    | 100816   | 51.377   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | = 102.760% |      |

|                              |       |     |        |         |        |     |
|------------------------------|-------|-----|--------|---------|--------|-----|
| Target Compounds             |       |     |        | Qvalue  |        |     |
| 2) Dichlorodifluoromethane   | 1.934 | 85  | 71675  | 42.670  | ug/l   | 94  |
| 3) Chloromethane             | 2.152 | 50  | 120839 | 52.777  | ug/l   | 100 |
| 4) Vinyl Chloride            | 2.287 | 62  | 157604 | 50.704  | ug/l   | 99  |
| 5) Bromomethane              | 2.699 | 94  | 105241 | 60.340  | ug/l   | 98  |
| 6) Chloroethane              | 2.840 | 64  | 112868 | 53.262  | ug/l   | 93  |
| 7) Trichlorofluoromethane    | 3.187 | 101 | 136581 | 47.710  | ug/l   | 98  |
| 8) Diethyl Ether             | 3.593 | 74  | 44452  | 55.299  | ug/l   | 86  |
| 9) 1,1,2-Trichlorotrifluo... | 3.975 | 101 | 74875  | 45.719  | ug/l   | 95  |
| 10) Methyl Iodide            | 4.169 | 142 | 92551  | 62.527  | ug/l # | 89  |
| 11) Tert butyl alcohol       | 5.052 | 59  | 19935  | 261.786 | ug/l # | 86  |
| 12) 1,1-Dichloroethene       | 3.946 | 96  | 81841  | 50.632  | ug/l # | 83  |
| 13) Acrolein                 | 3.799 | 56  | 37295  | 222.504 | ug/l   | 99  |
| 14) Allyl chloride           | 4.569 | 41  | 112179 | 50.461  | ug/l   | 89  |
| 15) Acrylonitrile            | 5.258 | 53  | 93955  | 272.986 | ug/l   | 97  |
| 16) Acetone                  | 4.022 | 43  | 79356  | 229.093 | ug/l   | 92  |
| 17) Carbon Disulfide         | 4.281 | 76  | 275012 | 50.290  | ug/l   | 99  |
| 18) Methyl Acetate           | 4.569 | 43  | 71246  | 57.092  | ug/l   | 90  |
| 19) Methyl tert-butyl Ether  | 5.322 | 73  | 191337 | 55.793  | ug/l   | 100 |
| 20) Methylene Chloride       | 4.805 | 84  | 108438 | 58.622  | ug/l # | 86  |
| 21) trans-1,2-Dichloroethene | 5.316 | 96  | 99884  | 54.557  | ug/l   | 92  |
| 22) Diisopropyl ether        | 6.216 | 45  | 261038 | 56.190  | ug/l   | 91  |
| 23) Vinyl Acetate            | 6.163 | 43  | 619080 | 272.887 | ug/l # | 90  |
| 24) 1,1-Dichloroethane       | 6.122 | 63  | 174167 | 55.361  | ug/l   | 97  |
| 25) 2-Butanone               | 7.081 | 43  | 111736 | 256.950 | ug/l   | 91  |
| 26) 2,2-Dichloropropane      | 7.081 | 77  | 138257 | 52.342  | ug/l   | 95  |
| 27) cis-1,2-Dichloroethene   | 7.087 | 96  | 112458 | 57.085  | ug/l   | 91  |
| 28) Bromochloromethane       | 7.428 | 49  | 72794  | 57.262  | ug/l # | 76  |
| 29) Tetrahydrofuran          | 7.440 | 42  | 68678  | 272.183 | ug/l   | 88  |
| 30) Chloroform               | 7.604 | 83  | 174862 | 55.536  | ug/l   | 96  |
| 31) Cyclohexane              | 7.881 | 56  | 130188 | 46.192  | ug/l   | 90  |
| 32) 1,1,1-Trichloroethane    | 7.799 | 97  | 148039 | 53.334  | ug/l   | 98  |
| 36) 1,1-Dichloropropene      | 8.016 | 75  | 130379 | 49.739  | ug/l   | 96  |
| 37) Ethyl Acetate            | 7.169 | 43  | 49560  | 48.489  | ug/l # | 94  |
| 38) Carbon Tetrachloride     | 7.999 | 117 | 129613 | 49.599  | ug/l   | 97  |
| 39) Methylcyclohexane        | 9.275 | 83  | 149819 | 48.212  | ug/l   | 96  |
| 40) Benzene                  | 8.252 | 78  | 398042 | 53.503  | ug/l   | 99  |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD121223\  
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 Operator : JC/SY  
 Sample : VSTDCCC050  
 Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: Dec 12 00:55:03 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D120823S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Dec 08 13:33:18 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.399  | 41   | 29893    | 57.543  | ug/l # | 86       |
| 42) 1,2-Dichloroethane        | 8.328  | 62   | 107788   | 55.893  | ug/l   | 92       |
| 43) Isopropyl Acetate         | 8.363  | 43   | 97580    | 53.707  | ug/l   | 91       |
| 44) Trichloroethene           | 9.034  | 130  | 103889   | 53.585  | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 9.304  | 63   | 100729   | 55.696  | ug/l   | 99       |
| 46) Dibromomethane            | 9.393  | 93   | 52468    | 54.829  | ug/l   | 96       |
| 47) Bromodichloromethane      | 9.587  | 83   | 134223   | 55.338  | ug/l # | 96       |
| 48) Methyl methacrylate       | 9.381  | 41   | 56944    | 55.135  | ug/l # | 78       |
| 49) 1,4-Dioxane               | 9.387  | 88   | 9400     | 989.259 | ug/l # | 81       |
| 51) 4-Methyl-2-Pentanone      | 10.157 | 43   | 249294   | 268.848 | ug/l   | 88       |
| 52) Toluene                   | 10.334 | 92   | 255294   | 55.320  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.557 | 75   | 128167   | 55.026  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 10.016 | 75   | 153297   | 54.436  | ug/l # | 86       |
| 55) 1,1,2-Trichloroethane     | 10.734 | 97   | 72566    | 55.439  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 10.598 | 69   | 63661    | 55.172  | ug/l # | 84       |
| 57) 1,3-Dichloropropane       | 10.881 | 76   | 127438   | 56.482  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.869  | 63   | 170715   | 259.436 | ug/l   | 93       |
| 59) 2-Hexanone                | 10.922 | 43   | 175903   | 228.652 | ug/l   | 87       |
| 60) Dibromochloromethane      | 11.075 | 129  | 88608    | 56.226  | ug/l   | 95       |
| 61) 1,2-Dibromoethane         | 11.181 | 107  | 68513    | 55.605  | ug/l   | 98       |
| 64) Tetrachloroethene         | 10.810 | 164  | 83595    | 51.551  | ug/l   | 91       |
| 65) Chlorobenzene             | 11.610 | 112  | 269214   | 51.831  | ug/l   | 95       |
| 66) 1,1,1,2-Tetrachloroethane | 11.681 | 131  | 98062    | 53.449  | ug/l   | 96       |
| 67) Ethyl Benzene             | 11.687 | 91   | 488349   | 53.166  | ug/l   | 96       |
| 68) m/p-Xylenes               | 11.793 | 106  | 374988   | 106.728 | ug/l   | 91       |
| 69) o-Xylene                  | 12.122 | 106  | 177578   | 54.840  | ug/l   | 92       |
| 70) Styrene                   | 12.134 | 104  | 270544   | 56.189  | ug/l   | 95       |
| 71) Bromoform                 | 12.298 | 173  | 51449    | 53.669  | ug/l # | 97       |
| 73) Isopropylbenzene          | 12.422 | 105  | 460739   | 52.240  | ug/l   | 97       |
| 74) N-amyl acetate            | 12.234 | 43   | 87858    | 50.677  | ug/l   | 90       |
| 75) 1,1,2,2-Tetrachloroethane | 12.675 | 83   | 78403    | 50.983  | ug/l   | 96       |
| 76) 1,2,3-Trichloropropane    | 12.728 | 75   | 101881   | 100.806 | ug/l # | 100      |
| 77) Bromobenzene              | 12.698 | 156  | 110209   | 53.126  | ug/l   | 93       |
| 78) n-propylbenzene           | 12.763 | 91   | 551854   | 51.349  | ug/l   | 97       |
| 79) 2-Chlorotoluene           | 12.851 | 91   | 302737   | 52.563  | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 385529   | 52.411  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-b... | 12.469 | 75   | 25783    | 51.687  | ug/l   | 98       |
| 82) 4-Chlorotoluene           | 12.945 | 91   | 318861   | 52.958  | ug/l   | 96       |
| 83) tert-Butylbenzene         | 13.169 | 119  | 330109   | 53.157  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 13.210 | 105  | 390818   | 53.120  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.345 | 105  | 465746   | 50.738  | ug/l   | 97       |
| 86) p-Isopropyltoluene        | 13.463 | 119  | 432721   | 52.651  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.457 | 146  | 221682   | 52.255  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.539 | 146  | 216536   | 51.175  | ug/l   | 97       |
| 89) n-Butylbenzene            | 13.787 | 91   | 395313   | 51.118  | ug/l   | 98       |
| 90) Hexachloroethane          | 14.057 | 117  | 81105    | 53.660  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 13.834 | 146  | 192400   | 53.326  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.445 | 75   | 11356    | 50.997  | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 15.098 | 180  | 123862   | 50.259  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.204 | 225  | 65594    | 49.358  | ug/l   | 98       |
| 95) Naphthalene               | 15.333 | 128  | 224246   | 54.765  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.522 | 180  | 105837   | 52.092  | ug/l   | 99       |

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Data File : VD077830.D  
Acq On : 11 Dec 2023 23:45  
Operator : JC/SY  
Sample : VSTDCCC050  
Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
ALS Vial : 23 Sample Multiplier: 1

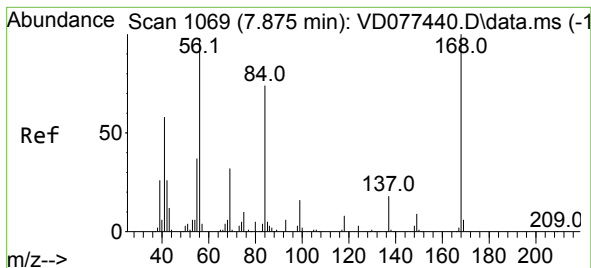
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

Quant Time: Dec 12 00:55:03 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D120823S.M  
Quant Title : SW846 8260  
QLast Update : Fri Dec 08 13:33:18 2023  
Response via : Initial Calibration

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

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 10

Delta R.T. 0.006 min

Lab File: VD077830.D

Acq: 11 Dec 2023 23:45

Instrument :

MSVOA\_D

ClientSampleId :

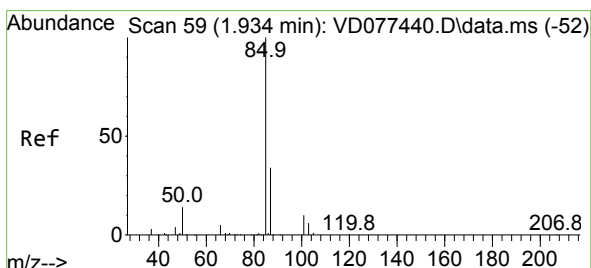
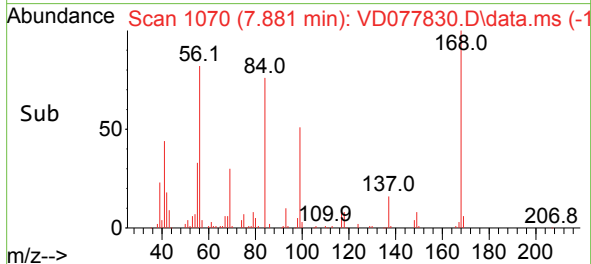
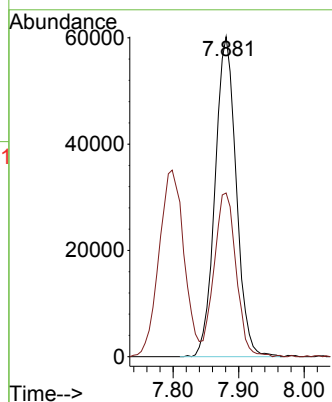
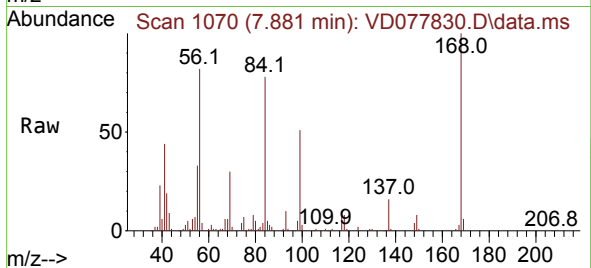
VSTDCCC050EC

Tgt Ion:168 Resp: 134470

Ion Ratio Lower Upper

168 100

99 50.7 36.7 55.1



#2

Dichlorodifluoromethane

Concen: 42.670 ug/l

RT: 1.934 min Scan# 59

Delta R.T. 0.000 min

Lab File: VD077830.D

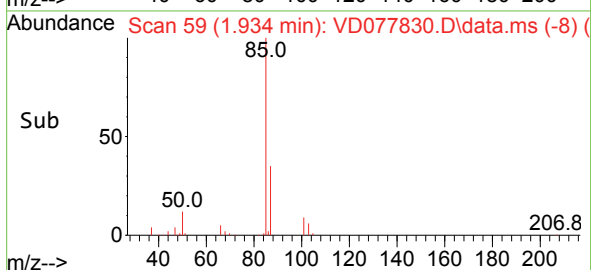
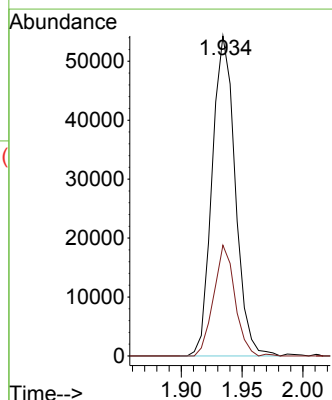
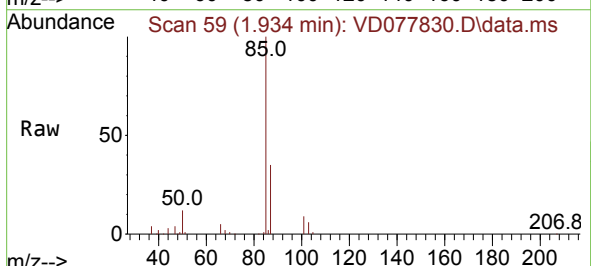
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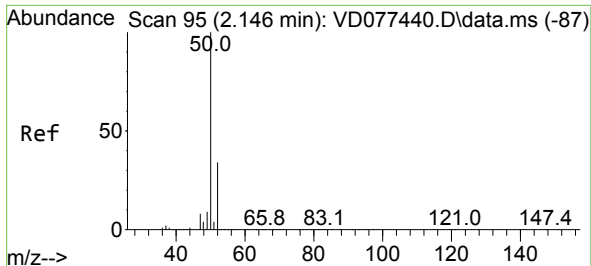
Tgt Ion: 85 Resp: 71675

Ion Ratio Lower Upper

85 100

87 34.6 15.7 47.0

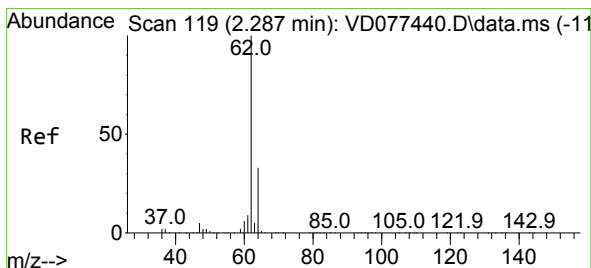
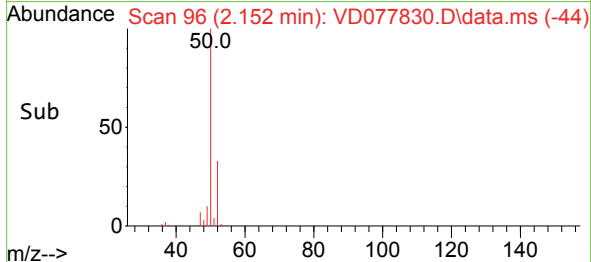
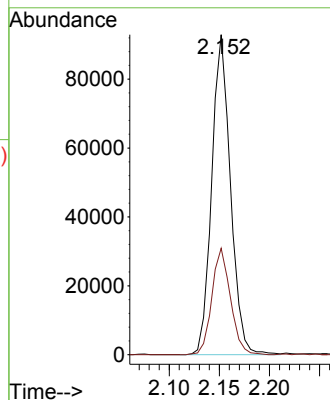
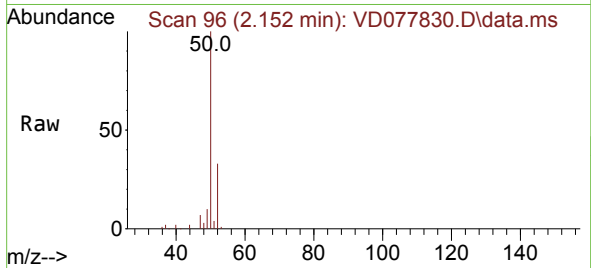




#3  
Chloromethane  
Concen: 52.777 ug/l  
RT: 2.152 min Scan# 96  
Delta R.T. 0.006 min  
Lab File: VD077830.D  
Acq: 11 Dec 2023 23:45

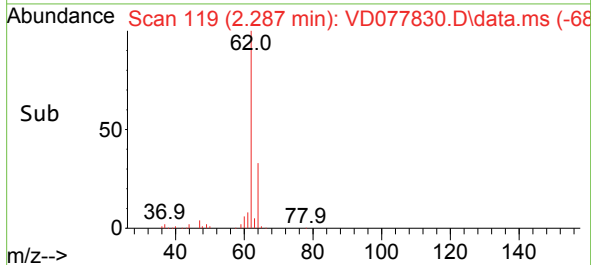
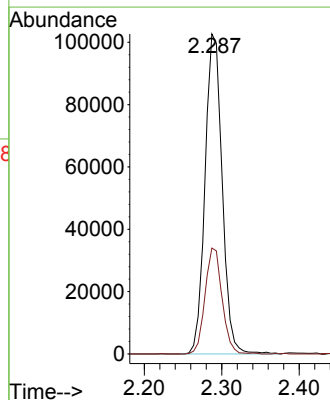
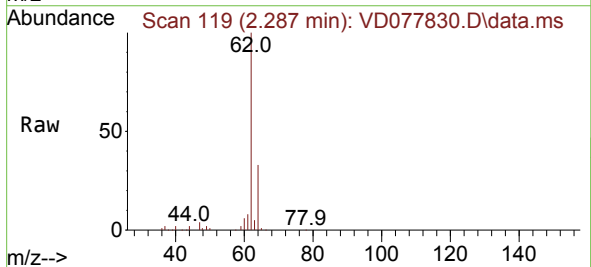
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 50 Resp: 120839  
Ion Ratio Lower Upper  
50 100  
52 33.3 26.6 40.0



#4  
Vinyl Chloride  
Concen: 50.704 ug/l  
RT: 2.287 min Scan# 119  
Delta R.T. 0.000 min  
Lab File: VD077830.D  
Acq: 11 Dec 2023 23:45

Tgt Ion: 62 Resp: 157604  
Ion Ratio Lower Upper  
62 100  
64 33.1 26.0 39.0

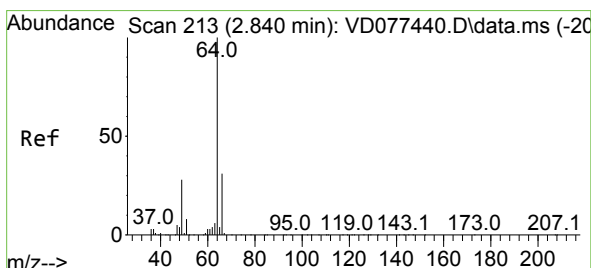
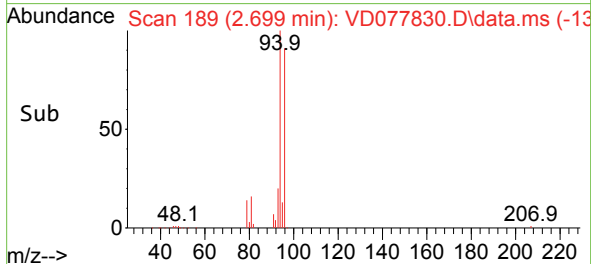
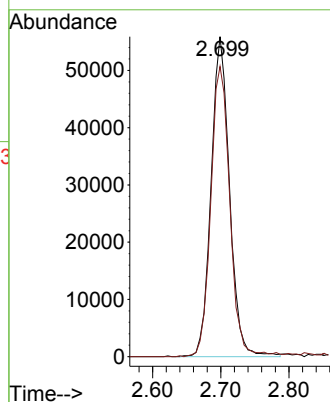
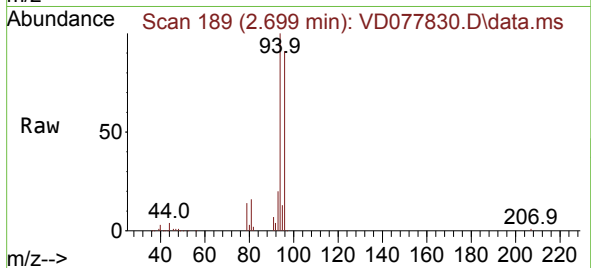




#5  
Bromomethane  
Concen: 60.340 ug/l  
RT: 2.699 min Scan# 188  
Delta R.T. 0.006 min  
Lab File: VD077830.D  
Acq: 11 Dec 2023 23:45

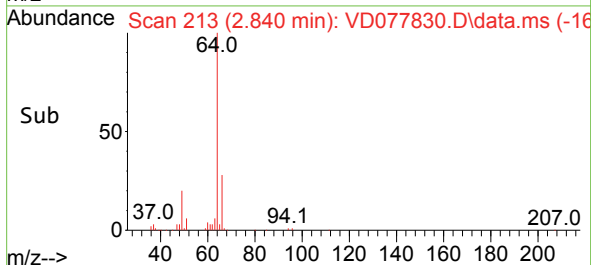
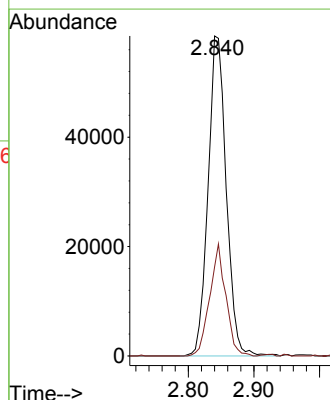
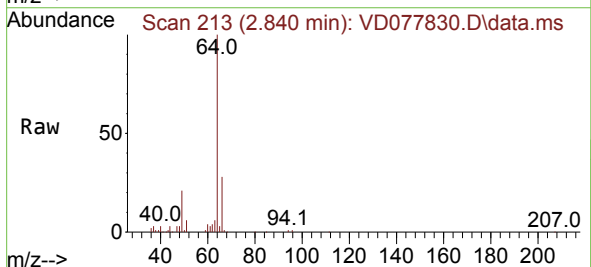
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

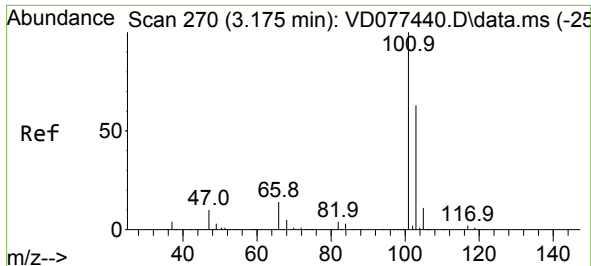
Tgt Ion: 94 Resp: 105241  
Ion Ratio Lower Upper  
94 100  
96 93.3 75.8 113.8



#6  
Chloroethane  
Concen: 53.262 ug/l  
RT: 2.840 min Scan# 213  
Delta R.T. 0.000 min  
Lab File: VD077830.D  
Acq: 11 Dec 2023 23:45

Tgt Ion: 64 Resp: 112868  
Ion Ratio Lower Upper  
64 100  
66 27.9 25.5 38.3

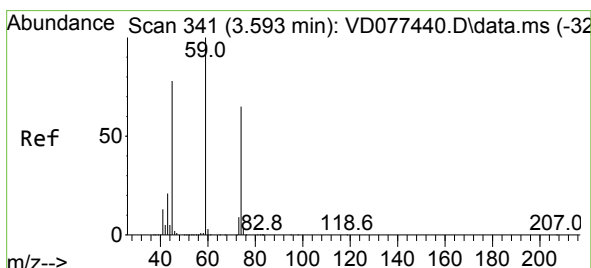
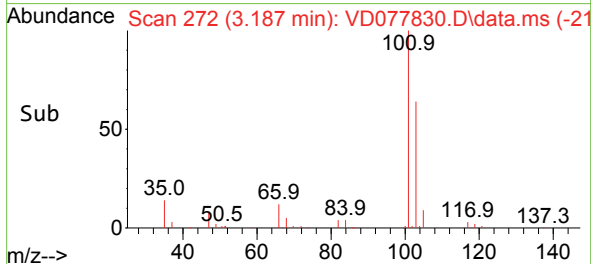
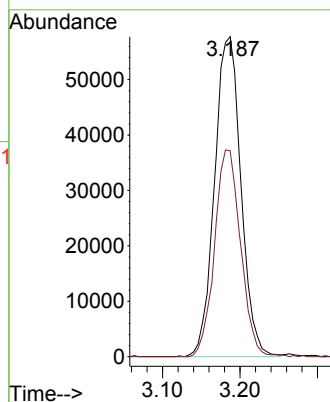
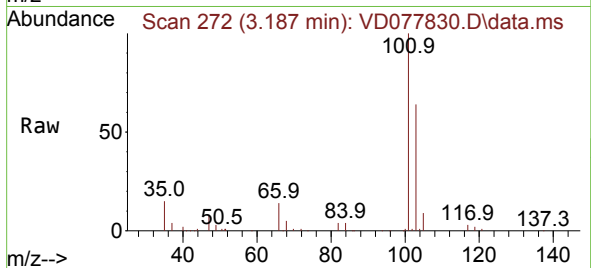




#7  
Trichlorofluoromethane  
Concen: 47.710 ug/l  
RT: 3.187 min Scan# 21  
Delta R.T. 0.012 min  
Lab File: VD077830.D  
Acq: 11 Dec 2023 23:45

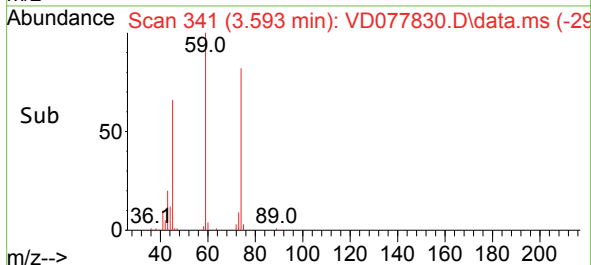
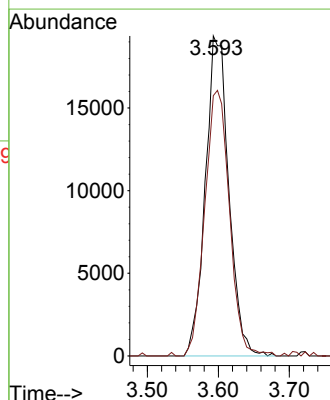
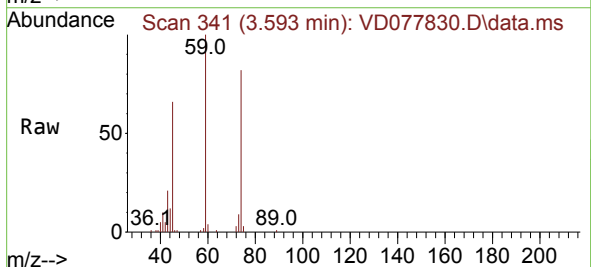
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

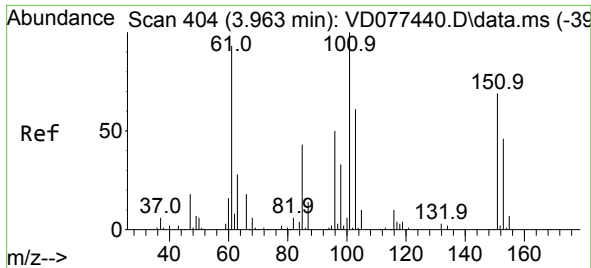
Tgt Ion:101 Resp: 136581  
Ion Ratio Lower Upper  
101 100  
103 64.1 52.3 78.5



#8  
Diethyl Ether  
Concen: 55.299 ug/l  
RT: 3.593 min Scan# 341  
Delta R.T. -0.000 min  
Lab File: VD077830.D  
Acq: 11 Dec 2023 23:45

Tgt Ion: 74 Resp: 44452  
Ion Ratio Lower Upper  
74 100  
45 87.4 37.5 112.7

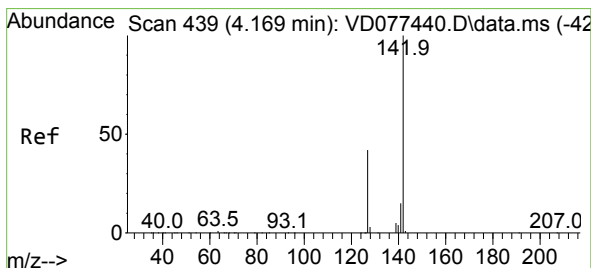
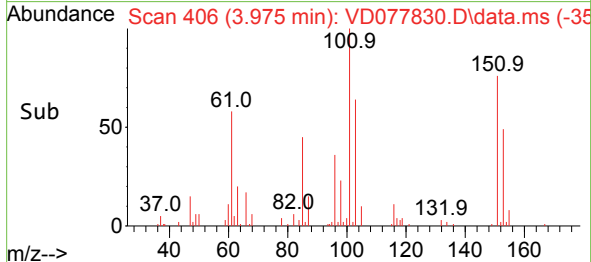
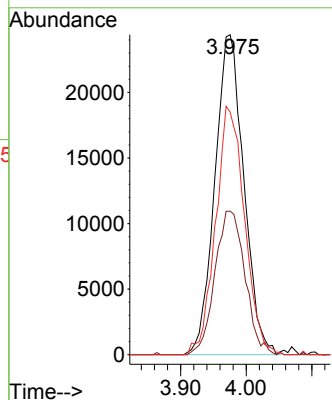
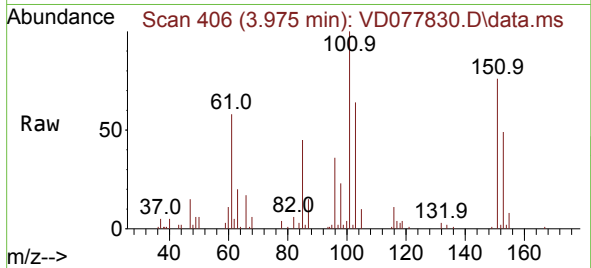




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 45.719 ug/l  
RT: 3.975 min Scan# 406  
Delta R.T. 0.012 min  
Lab File: VD077830.D  
Acq: 11 Dec 2023 23:45

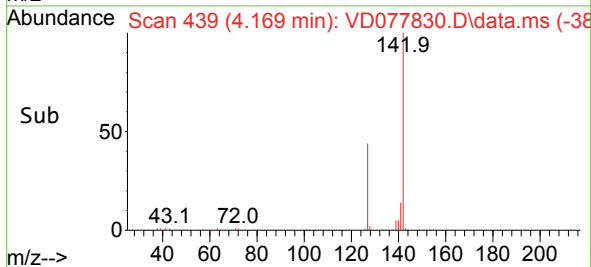
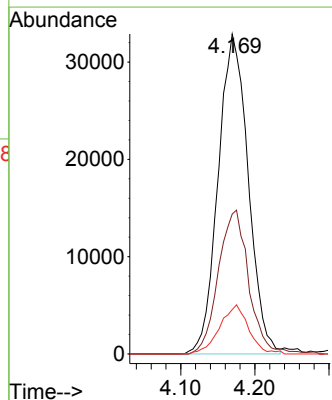
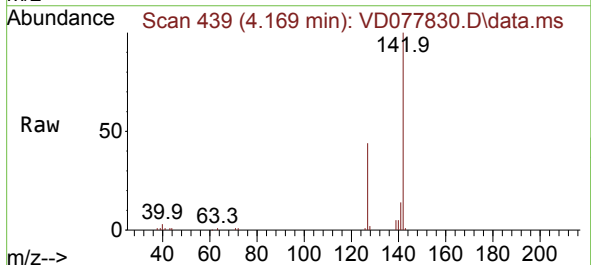
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

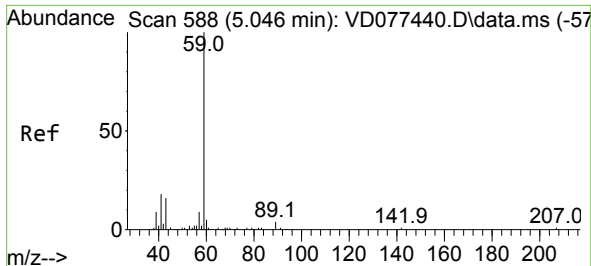
Tgt Ion:101 Resp: 74875  
Ion Ratio Lower Upper  
101 100  
85 46.6 33.8 50.6  
151 77.4 59.8 89.6



#10  
Methyl Iodide  
Concen: 62.527 ug/l  
RT: 4.169 min Scan# 439  
Delta R.T. 0.000 min  
Lab File: VD077830.D  
Acq: 11 Dec 2023 23:45

Tgt Ion:142 Resp: 92551  
Ion Ratio Lower Upper  
142 100  
127 45.5 29.4 44.0#  
141 14.8 11.1 16.7





#11

Tert butyl alcohol

Concen: 261.786 ug/l

RT: 5.052 min Scan# 51

Delta R.T. 0.006 min

Lab File: VD077830.D

Acq: 11 Dec 2023 23:45

Instrument :

MSVOA\_D

ClientSampleId :

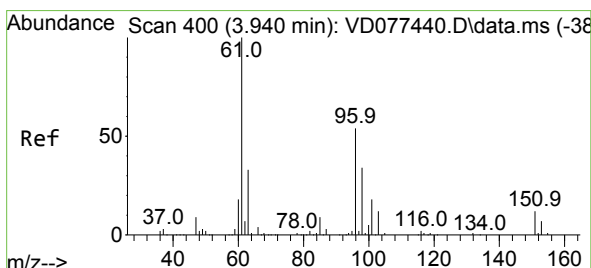
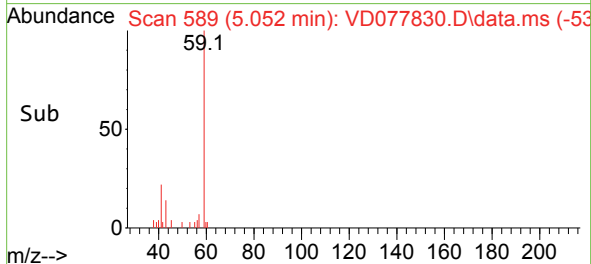
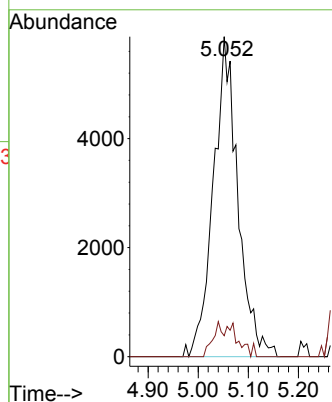
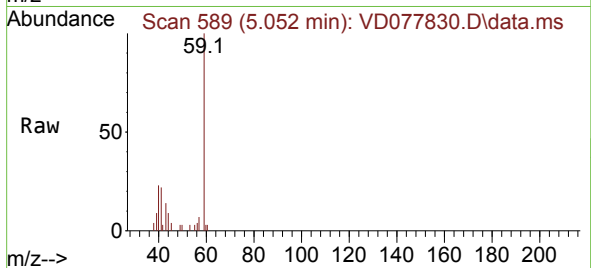
VSTDCCC050EC

Tgt Ion: 59 Resp: 19935

Ion Ratio Lower Upper

59 100

57 4.6 7.8 11.8#



#12

1,1-Dichloroethene

Concen: 50.632 ug/l

RT: 3.946 min Scan# 401

Delta R.T. 0.006 min

Lab File: VD077830.D

Acq: 11 Dec 2023 23:45

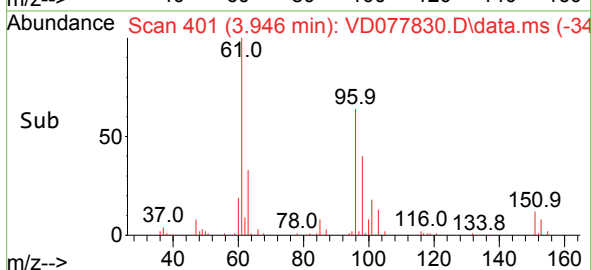
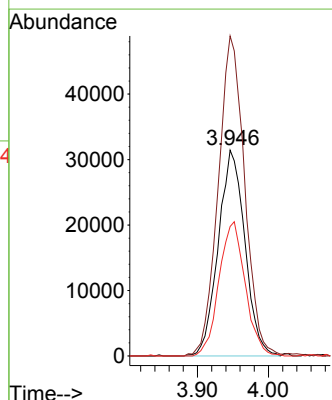
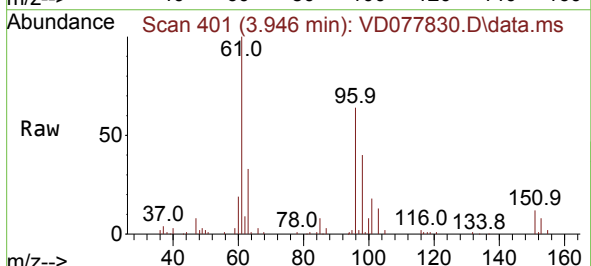
Tgt Ion: 96 Resp: 81841

Ion Ratio Lower Upper

96 100

61 155.5 100.6 150.8#

98 62.9 50.2 75.2

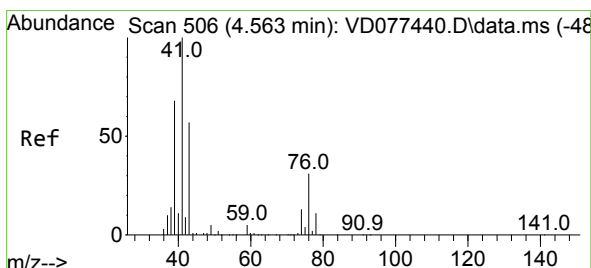
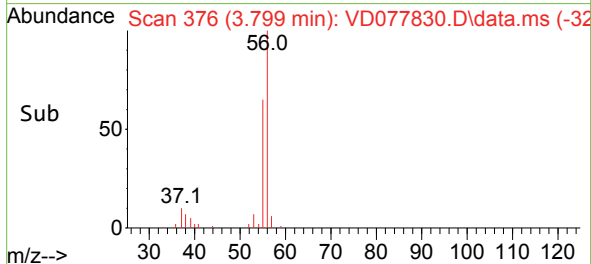
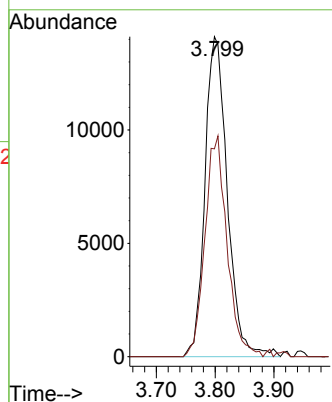
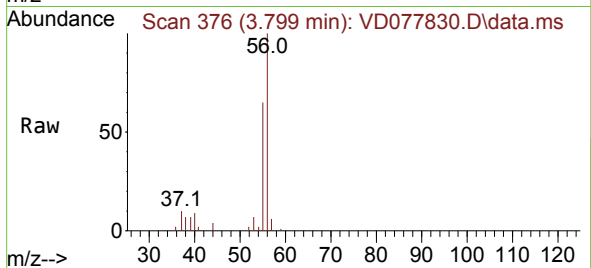




#13  
Acrolein  
Concen: 222.504 ug/l  
RT: 3.799 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VD077830.D  
Acq: 11 Dec 2023 23:45

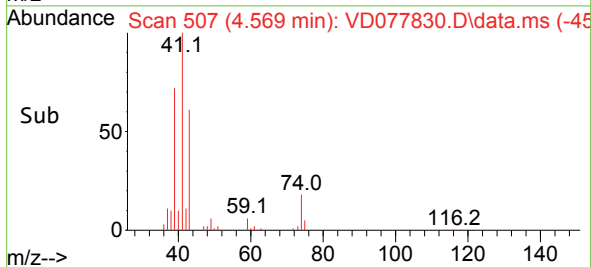
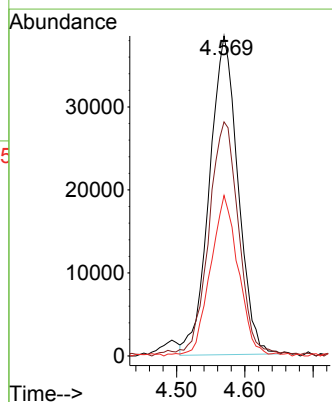
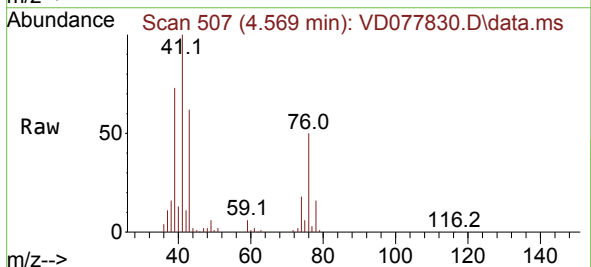
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 56 Resp: 37295  
Ion Ratio Lower Upper  
56 100  
55 68.1 55.1 82.7



#14  
Allyl chloride  
Concen: 50.461 ug/l  
RT: 4.569 min Scan# 507  
Delta R.T. 0.006 min  
Lab File: VD077830.D  
Acq: 11 Dec 2023 23:45

Tgt Ion: 41 Resp: 112179  
Ion Ratio Lower Upper  
41 100  
39 76.1 53.8 80.6  
76 49.3 45.8 68.8

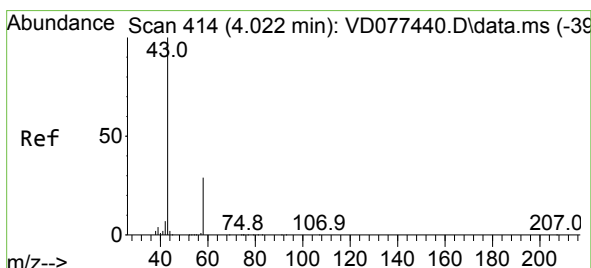
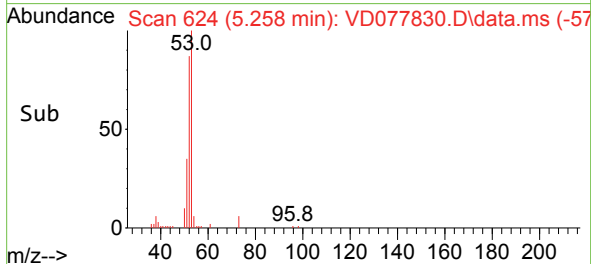
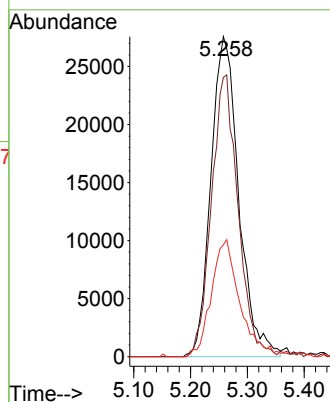
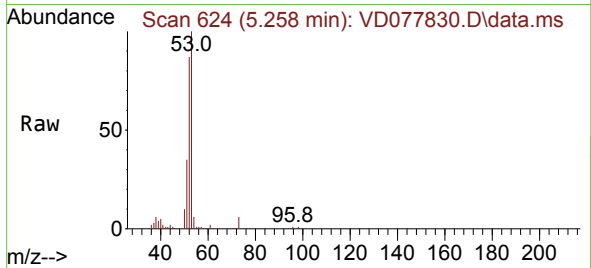




#15  
Acrylonitrile  
Concen: 272.986 ug/l  
RT: 5.258 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VD077830.D  
Acq: 11 Dec 2023 23:45

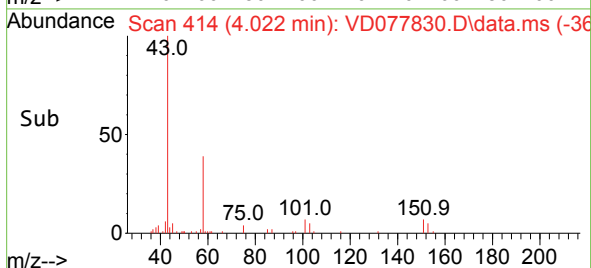
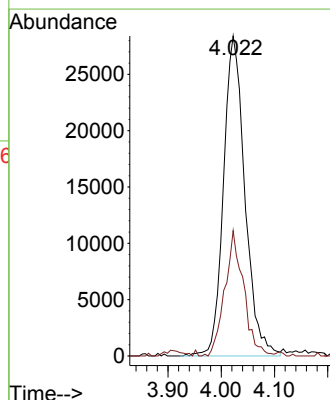
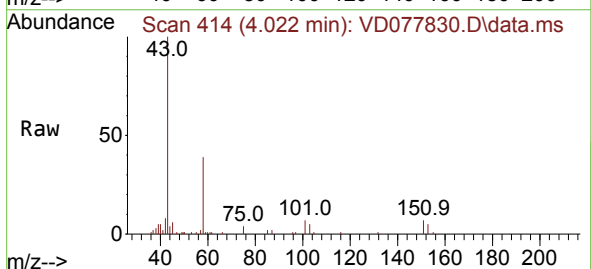
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

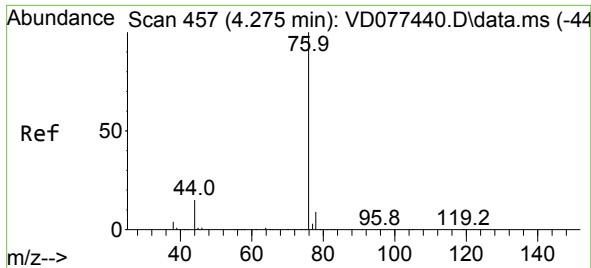
Tgt Ion: 53 Resp: 93955  
Ion Ratio Lower Upper  
53 100  
52 83.9 65.0 97.4  
51 37.5 28.3 42.5



#16  
Acetone  
Concen: 229.093 ug/l  
RT: 4.022 min Scan# 414  
Delta R.T. 0.000 min  
Lab File: VD077830.D  
Acq: 11 Dec 2023 23:45

Tgt Ion: 43 Resp: 79356  
Ion Ratio Lower Upper  
43 100  
58 38.5 34.7 52.1

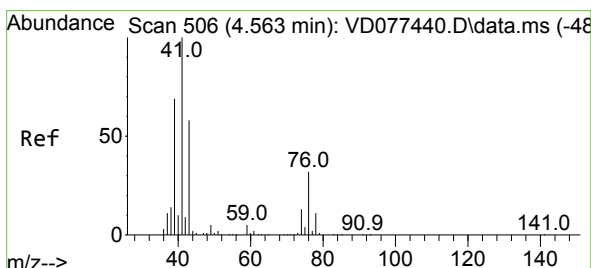
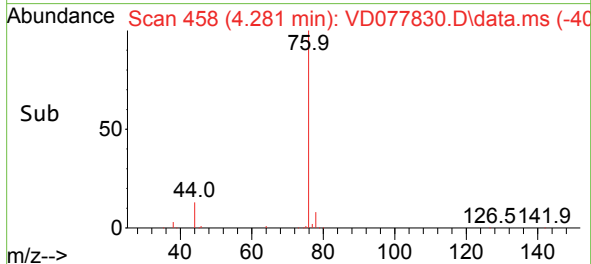
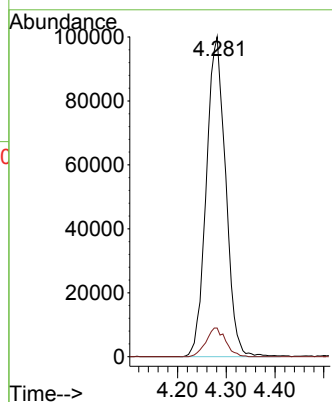
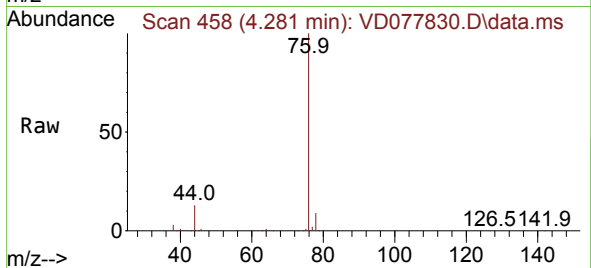




#17  
Carbon Disulfide  
Concen: 50.290 ug/l  
RT: 4.281 min Scan# 41  
Delta R.T. 0.006 min  
Lab File: VD077830.D  
Acq: 11 Dec 2023 23:45

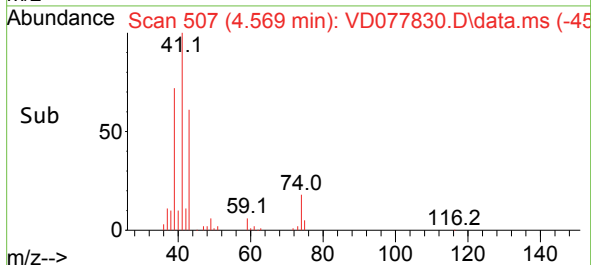
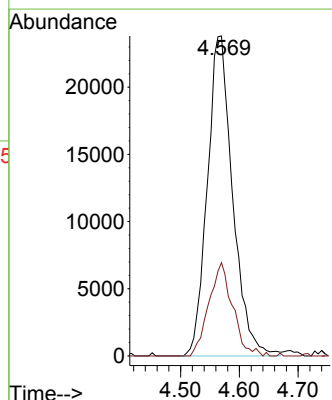
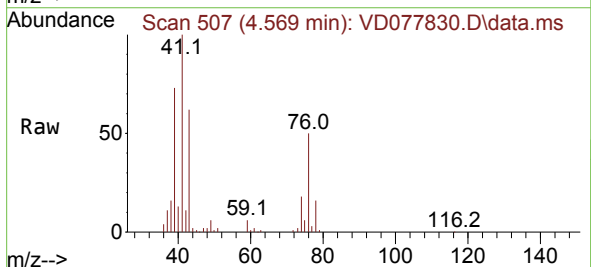
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

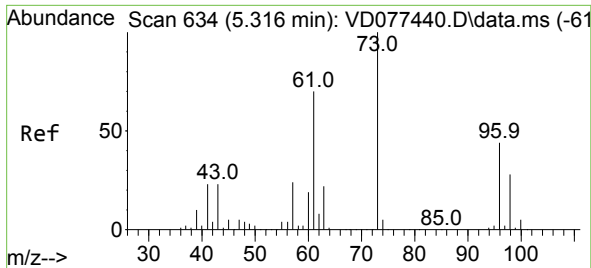
Tgt Ion: 76 Resp: 275012  
Ion Ratio Lower Upper  
76 100  
78 9.0 6.8 10.2



#18  
Methyl Acetate  
Concen: 57.092 ug/l  
RT: 4.569 min Scan# 507  
Delta R.T. 0.006 min  
Lab File: VD077830.D  
Acq: 11 Dec 2023 23:45

Tgt Ion: 43 Resp: 71246  
Ion Ratio Lower Upper  
43 100  
74 27.4 26.4 39.6

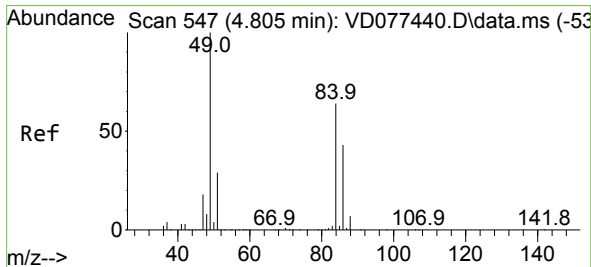
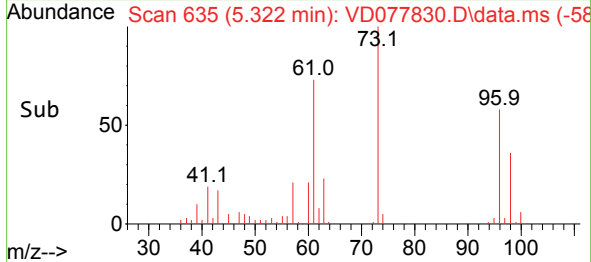
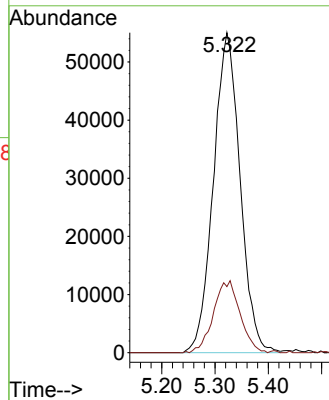
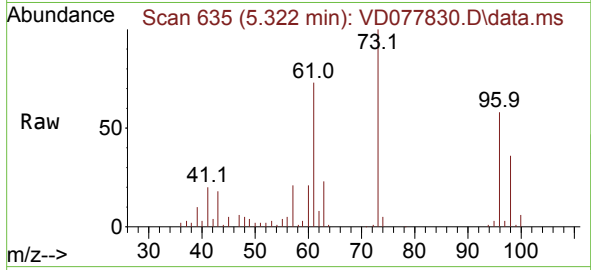




#19  
Methyl tert-butyl Ether  
Concen: 55.793 ug/l  
RT: 5.322 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VD077830.D  
Acq: 11 Dec 2023 23:45

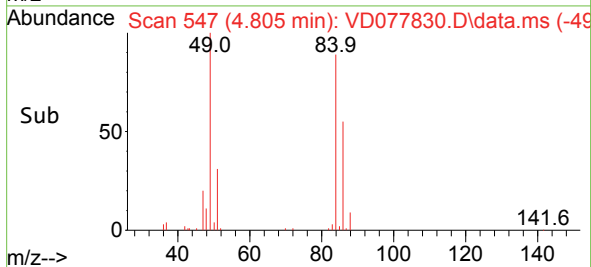
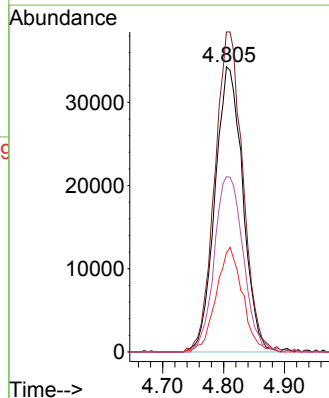
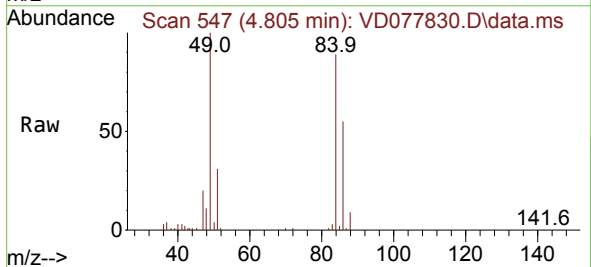
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 73 Resp: 191337  
Ion Ratio Lower Upper  
73 100  
57 20.6 16.6 25.0



#20  
Methylene Chloride  
Concen: 58.622 ug/l  
RT: 4.805 min Scan# 547  
Delta R.T. -0.000 min  
Lab File: VD077830.D  
Acq: 11 Dec 2023 23:45

Tgt Ion: 84 Resp: 108438  
Ion Ratio Lower Upper  
84 100  
49 112.2 71.4 107.2#  
51 34.8 24.5 36.7  
86 61.4 48.7 73.1

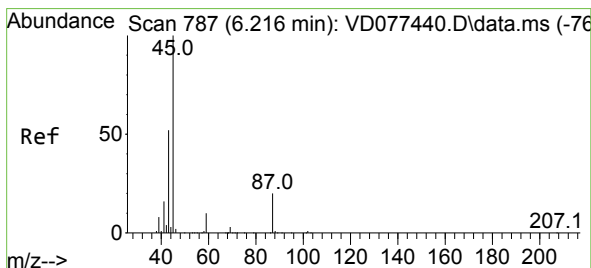
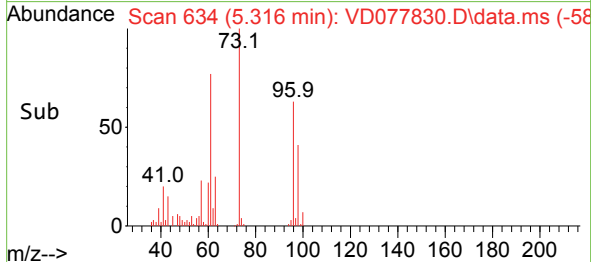
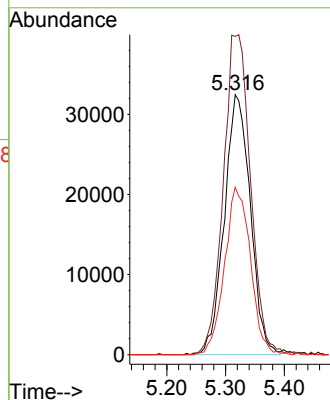
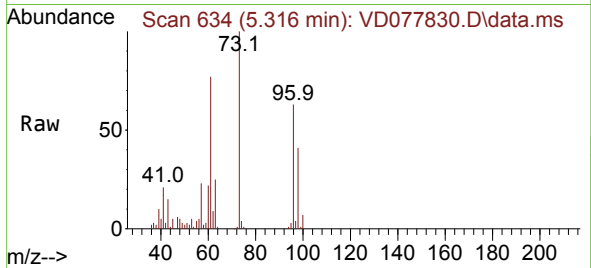




#21  
trans-1,2-Dichloroethene  
Concen: 54.557 ug/l  
RT: 5.316 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VD077830.D  
Acq: 11 Dec 2023 23:45

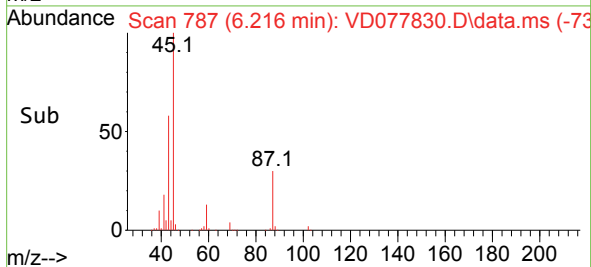
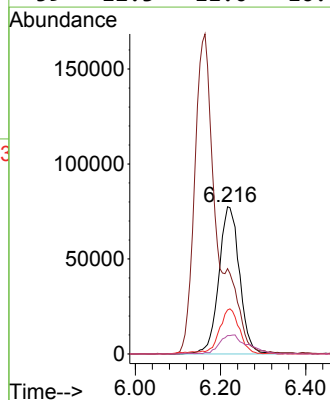
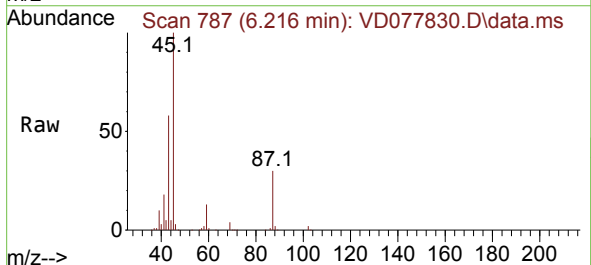
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

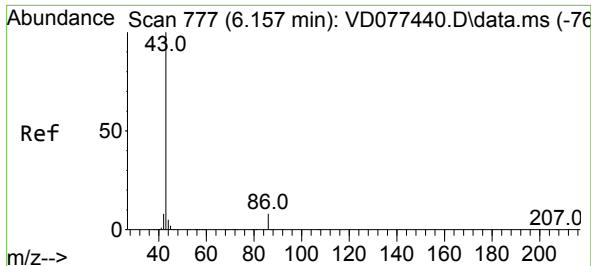
Tgt Ion: 96 Resp: 99884  
Ion Ratio Lower Upper  
96 100  
61 122.4 89.3 133.9  
98 64.3 48.6 73.0



#22  
Diisopropyl ether  
Concen: 56.190 ug/l  
RT: 6.216 min Scan# 787  
Delta R.T. 0.000 min  
Lab File: VD077830.D  
Acq: 11 Dec 2023 23:45

Tgt Ion: 45 Resp: 261038  
Ion Ratio Lower Upper  
45 100  
43 57.2 40.0 60.0  
87 29.9 28.2 42.4  
59 12.3 11.0 16.4

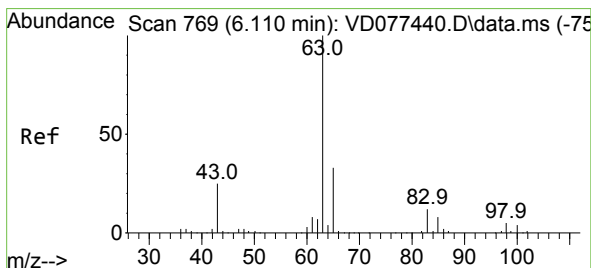
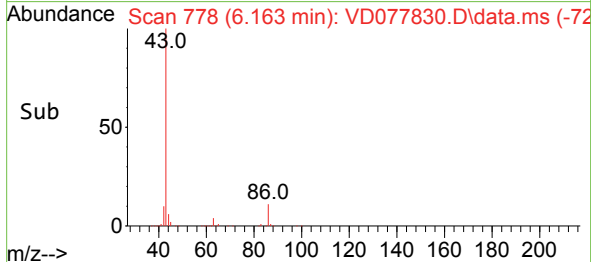
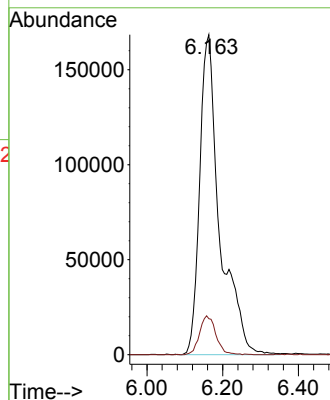
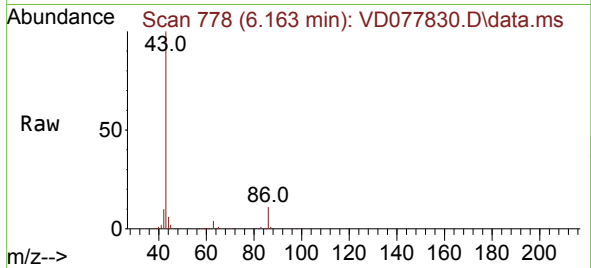




#23  
 Vinyl Acetate  
 Concen: 272.887 ug/l  
 RT: 6.163 min Scan# 71  
 Delta R.T. 0.006 min  
 Lab File: VD077830.D  
 Acq: 11 Dec 2023 23:45

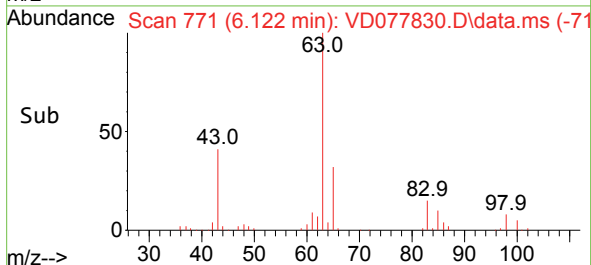
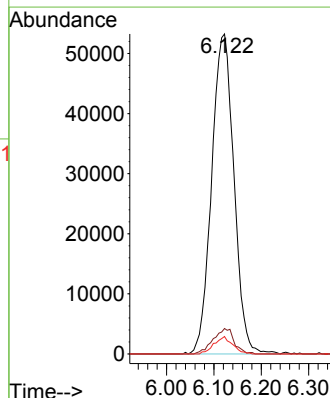
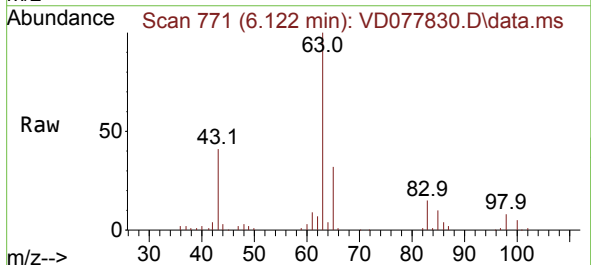
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

Tgt Ion: 43 Resp: 619080  
 Ion Ratio Lower Upper  
 43 100  
 86 11.2 12.5 18.7#



#24  
 1,1-Dichloroethane  
 Concen: 55.361 ug/l  
 RT: 6.122 min Scan# 771  
 Delta R.T. 0.012 min  
 Lab File: VD077830.D  
 Acq: 11 Dec 2023 23:45

Tgt Ion: 63 Resp: 174167  
 Ion Ratio Lower Upper  
 63 100  
 98 7.9 4.5 13.7  
 100 5.4 2.5 7.5

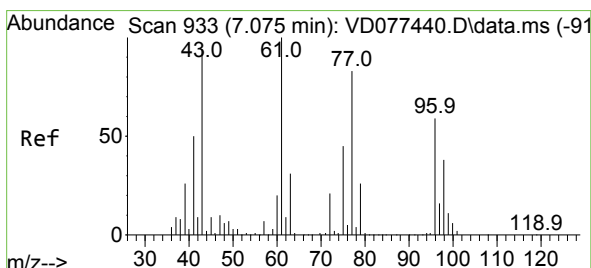
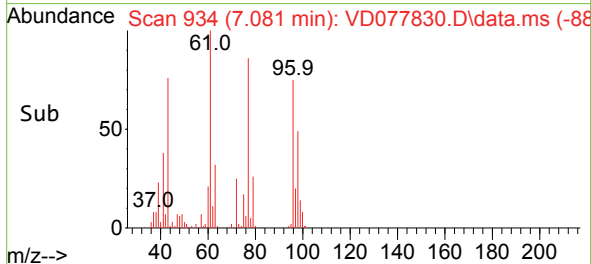
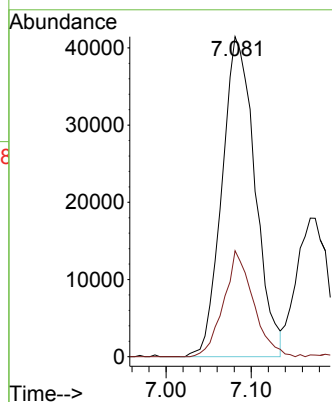
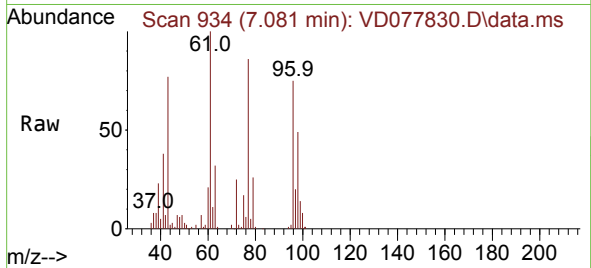




#25  
2-Butanone  
Concen: 256.950 ug/l  
RT: 7.081 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VD077830.D  
Acq: 11 Dec 2023 23:45

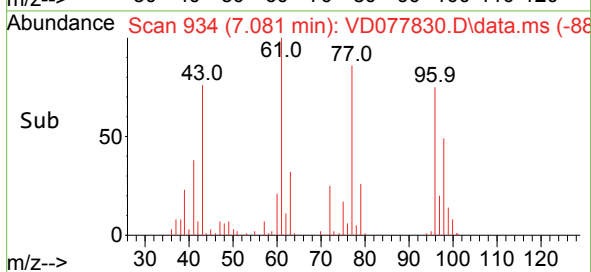
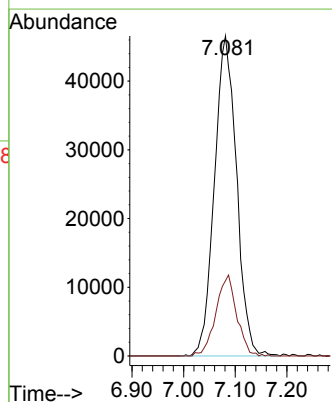
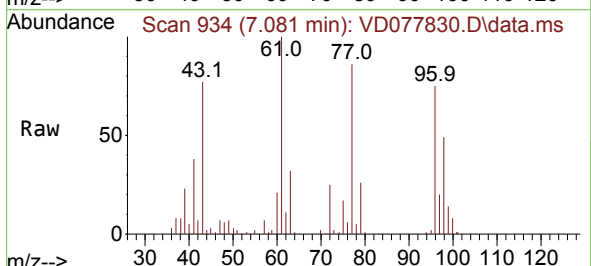
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 43 Resp: 111736  
Ion Ratio Lower Upper  
43 100  
72 33.1 30.7 46.1



#26  
2,2-Dichloropropane  
Concen: 52.342 ug/l  
RT: 7.081 min Scan# 934  
Delta R.T. 0.006 min  
Lab File: VD077830.D  
Acq: 11 Dec 2023 23:45

Tgt Ion: 77 Resp: 138257  
Ion Ratio Lower Upper  
77 100  
97 23.8 13.2 39.6





#27

cis-1,2-Dichloroethene

Concen: 57.085 ug/l

RT: 7.087 min Scan# 91

Delta R.T. 0.006 min

Lab File: VD077830.D

Acq: 11 Dec 2023 23:45

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

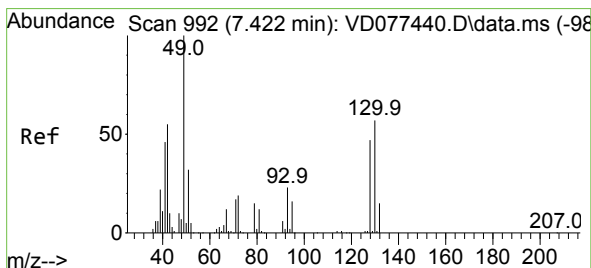
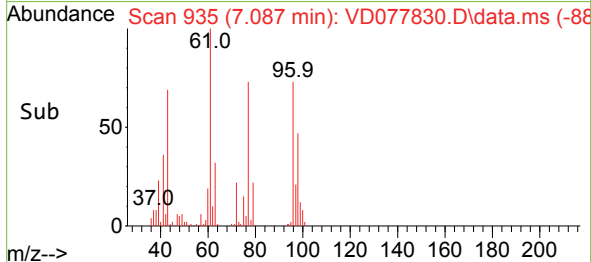
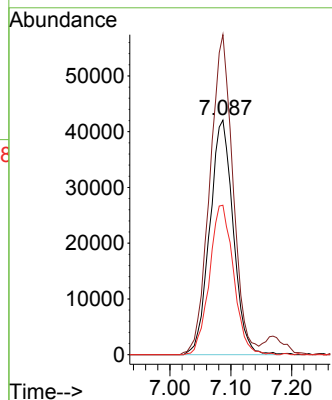
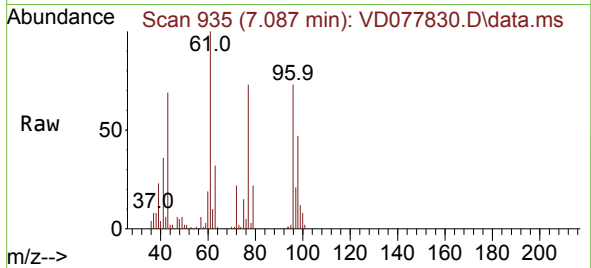
Tgt Ion: 96 Resp: 112458

Ion Ratio Lower Upper

96 100

61 134.7 0.0 239.2

98 65.3 0.0 128.6



#28

Bromochloromethane

Concen: 57.262 ug/l

RT: 7.428 min Scan# 993

Delta R.T. 0.006 min

Lab File: VD077830.D

Acq: 11 Dec 2023 23:45

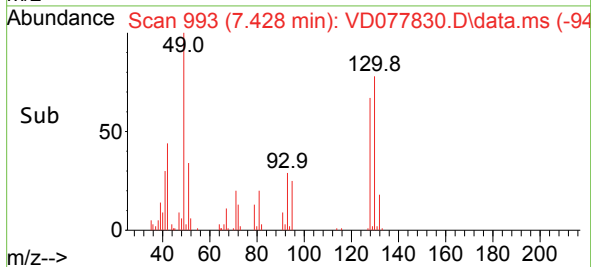
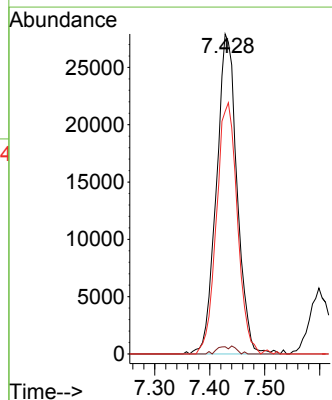
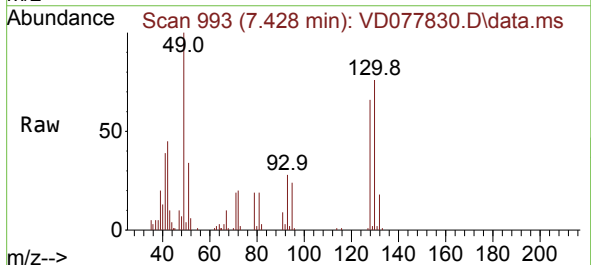
Tgt Ion: 49 Resp: 72794

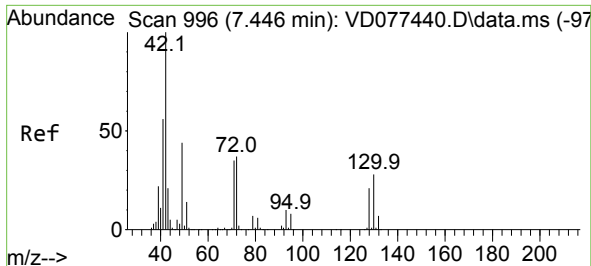
Ion Ratio Lower Upper

49 100

129 1.4 0.0 6.0

130 79.4 83.2 124.8#





#29

Tetrahydrofuran

Concen: 272.183 ug/l

RT: 7.440 min Scan# 996

Delta R.T. -0.006 min

Lab File: VD077830.D

Acq: 11 Dec 2023 23:45

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

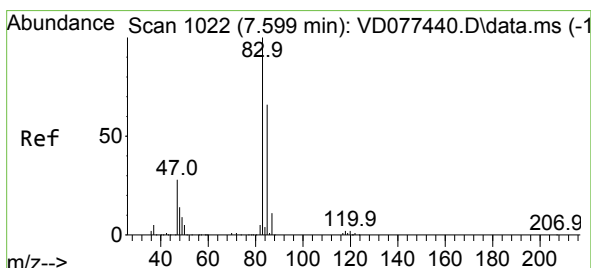
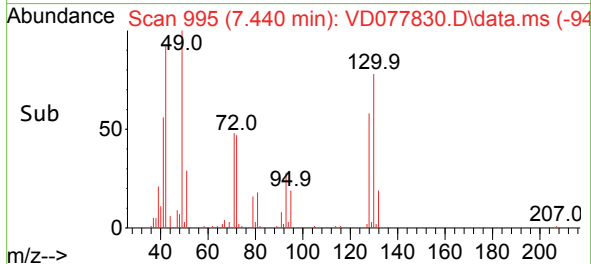
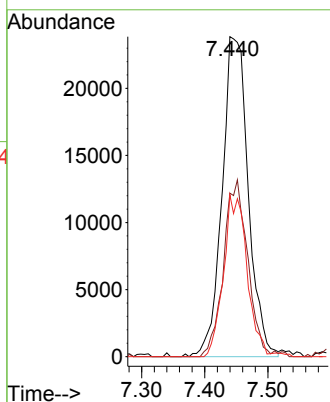
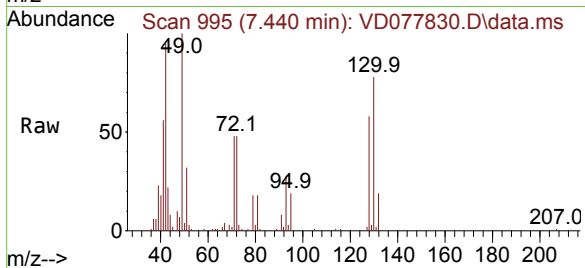
Tgt Ion: 42 Resp: 68678

Ion Ratio Lower Upper

42 100

72 51.4 46.5 69.7

71 45.3 44.5 66.7



#30

Chloroform

Concen: 55.536 ug/l

RT: 7.604 min Scan# 1023

Delta R.T. 0.005 min

Lab File: VD077830.D

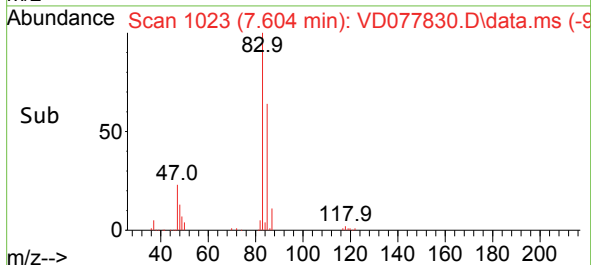
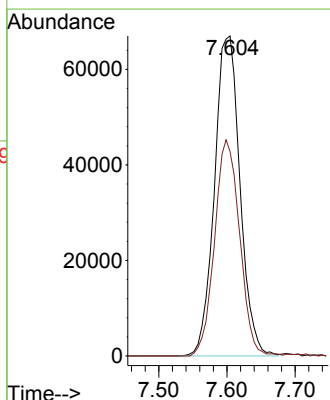
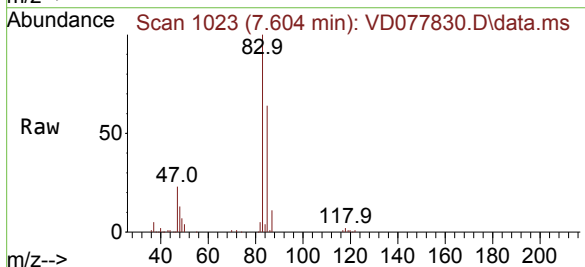
Acq: 11 Dec 2023 23:45

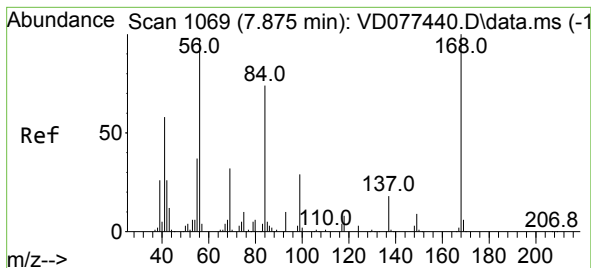
Tgt Ion: 83 Resp: 174862

Ion Ratio Lower Upper

83 100

85 63.9 53.4 80.2





#31

Cyclohexane

Concen: 46.192 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. 0.006 min

Lab File: VD077830.D

Acq: 11 Dec 2023 23:45

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

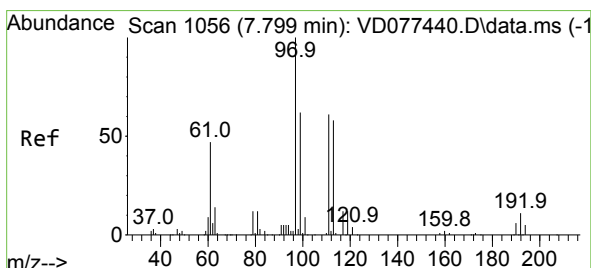
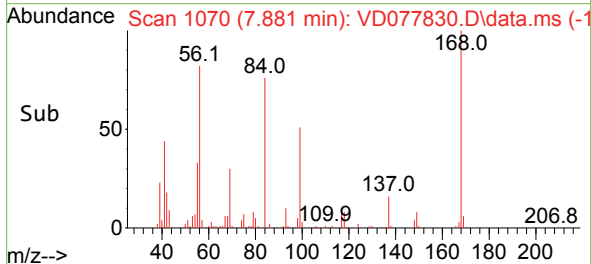
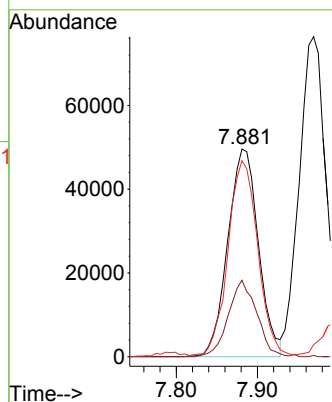
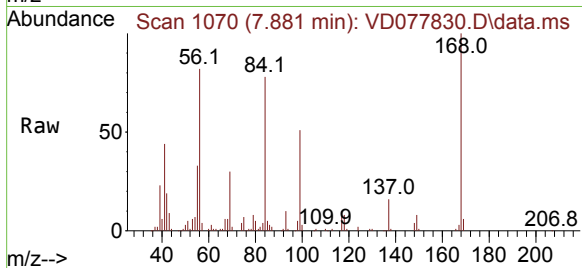
Tgt Ion: 56 Resp: 130188

Ion Ratio Lower Upper

56 100

69 36.8 28.6 43.0

84 93.3 84.8 127.2



#32

1,1,1-Trichloroethane

Concen: 53.334 ug/l

RT: 7.799 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VD077830.D

Acq: 11 Dec 2023 23:45

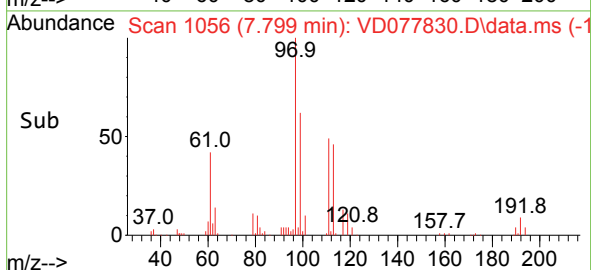
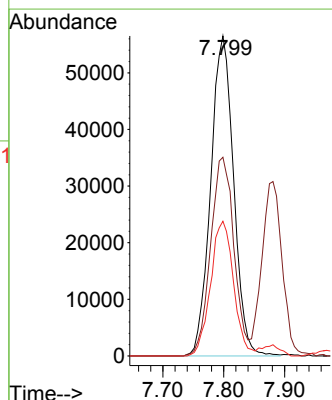
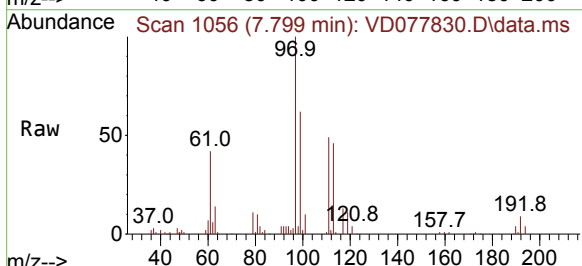
Tgt Ion: 97 Resp: 148039

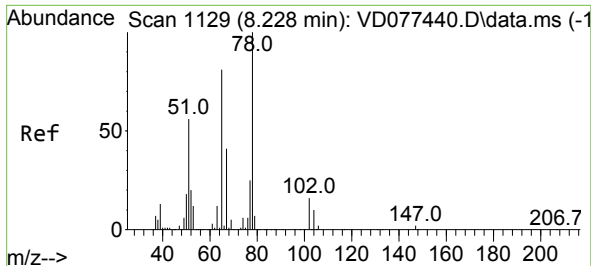
Ion Ratio Lower Upper

97 100

99 63.0 52.0 78.0

61 42.2 33.8 50.8





#33

1,2-Dichloroethane-d4

Concen: 52.607 ug/l

RT: 8.234 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VD077830.D

Acq: 11 Dec 2023 23:45

Instrument :

MSVOA\_D

ClientSampleId :

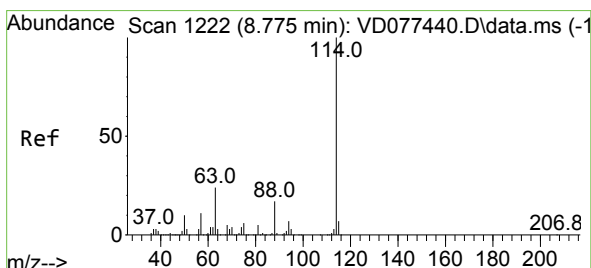
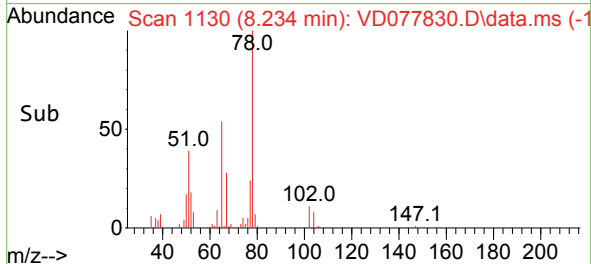
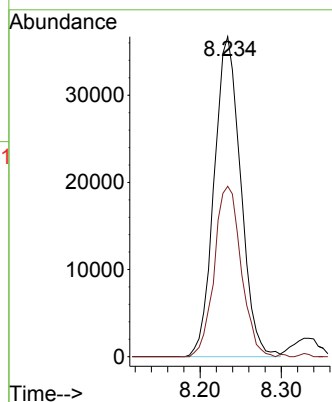
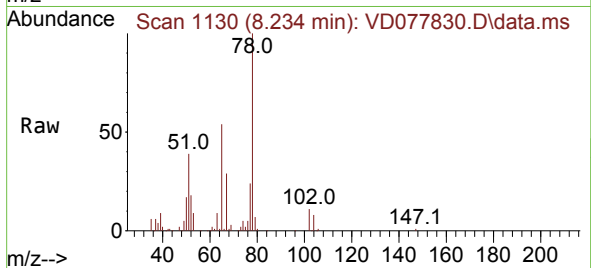
VSTDCCC050EC

Tgt Ion: 65 Resp: 83357

Ion Ratio Lower Upper

65 100

67 53.7 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. 0.006 min

Lab File: VD077830.D

Acq: 11 Dec 2023 23:45

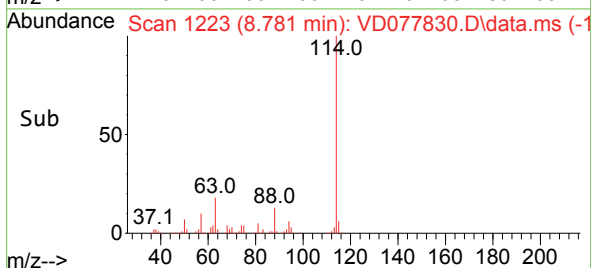
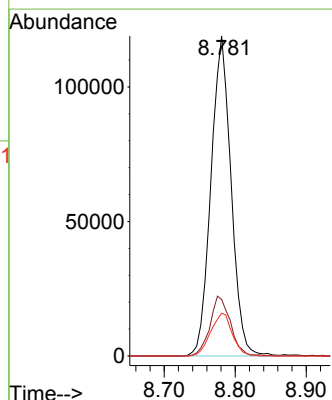
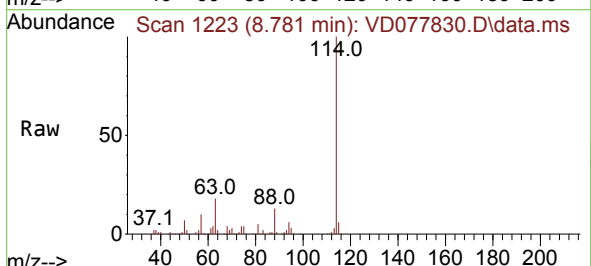
Tgt Ion: 114 Resp: 233950

Ion Ratio Lower Upper

114 100

63 17.7 0.0 33.4

88 13.3 0.0 26.2

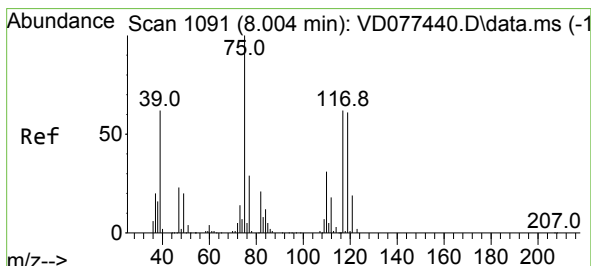
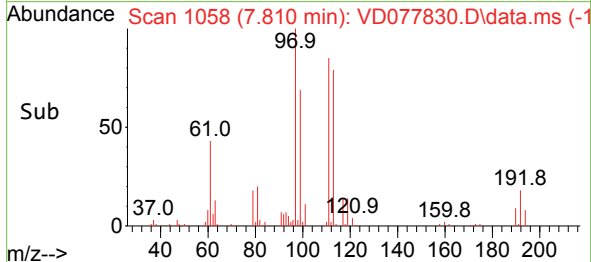
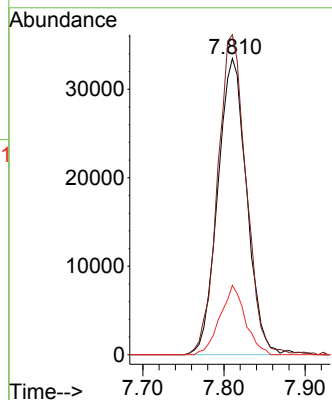
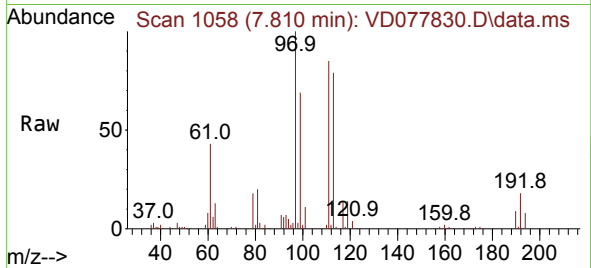




#35  
Dibromofluoromethane  
Concen: 50.438 ug/l  
RT: 7.810 min Scan# 1058  
Delta R.T. 0.006 min  
Lab File: VD077830.D  
Acq: 11 Dec 2023 23:45

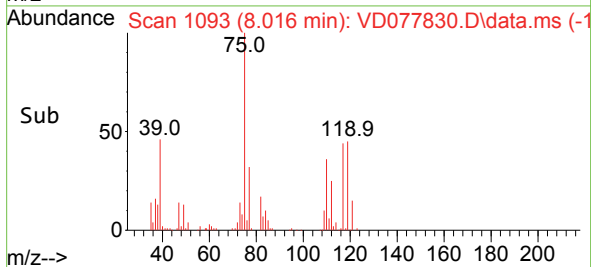
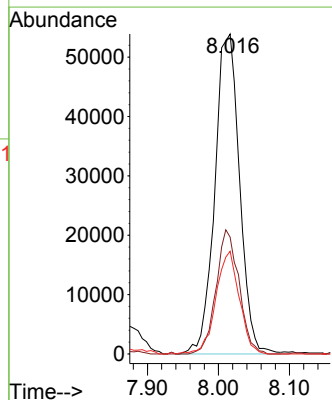
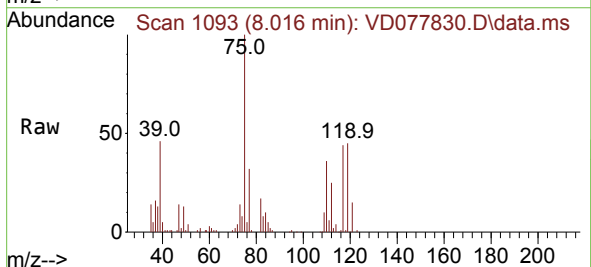
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

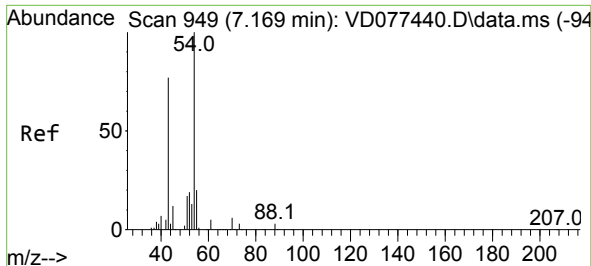
Tgt Ion:113 Resp: 82655  
Ion Ratio Lower Upper  
113 100  
111 106.7 84.7 127.1  
192 20.5 16.8 25.2



#36  
1,1-Dichloropropene  
Concen: 49.739 ug/l  
RT: 8.016 min Scan# 1093  
Delta R.T. 0.012 min  
Lab File: VD077830.D  
Acq: 11 Dec 2023 23:45

Tgt Ion: 75 Resp: 130379  
Ion Ratio Lower Upper  
75 100  
110 35.9 19.9 59.6  
77 30.4 24.7 37.1

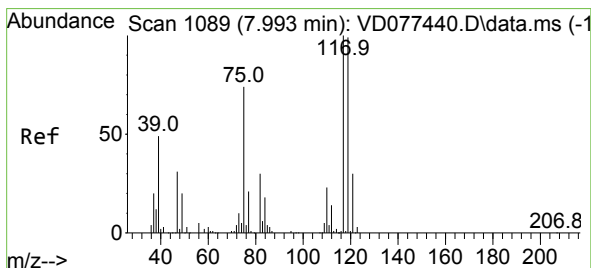
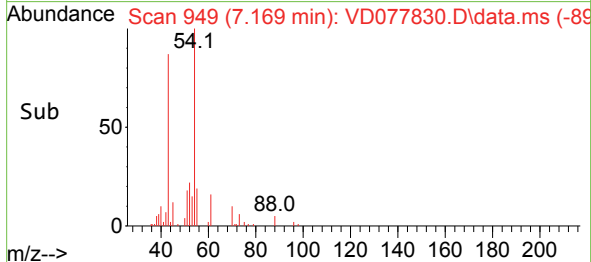
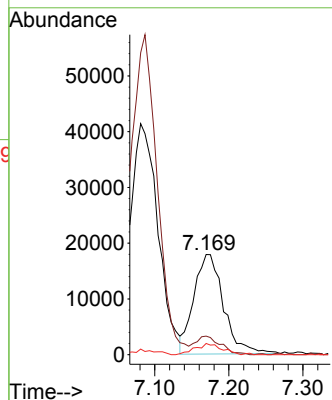
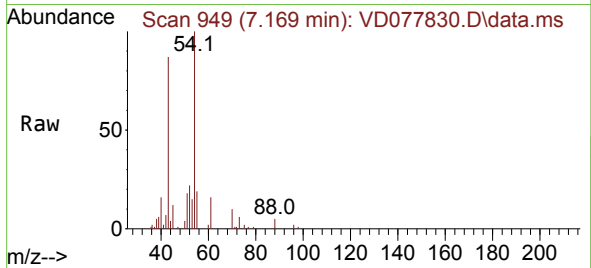




#37  
Ethyl Acetate  
Concen: 48.489 ug/l  
RT: 7.169 min Scan# 949  
Delta R.T. 0.000 min  
Lab File: VD077830.D  
Acq: 11 Dec 2023 23:45

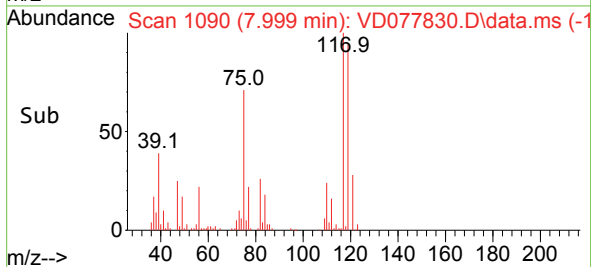
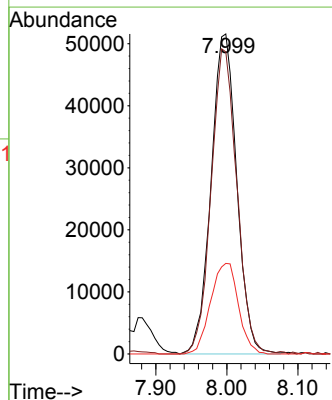
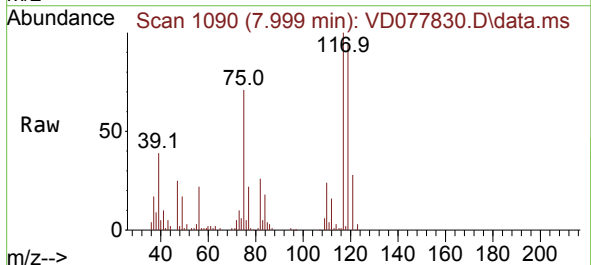
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

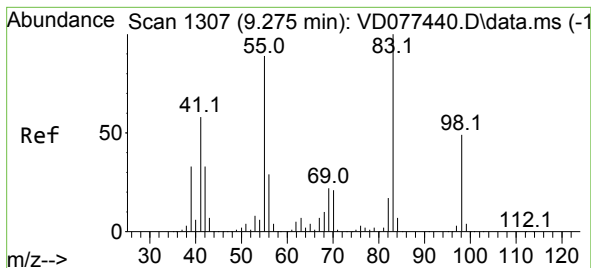
Tgt Ion: 43 Resp: 49560  
Ion Ratio Lower Upper  
43 100  
61 15.9 14.9 22.3  
70 10.0 10.0 15.0#



#38  
Carbon Tetrachloride  
Concen: 49.599 ug/l  
RT: 7.999 min Scan# 1090  
Delta R.T. 0.006 min  
Lab File: VD077830.D  
Acq: 11 Dec 2023 23:45

Tgt Ion: 117 Resp: 129613  
Ion Ratio Lower Upper  
117 100  
119 94.4 78.0 117.0  
121 28.3 24.2 36.2





#39

Methylcyclohexane

Concen: 48.212 ug/l

RT: 9.275 min Scan# 11307

Delta R.T. -0.000 min

Lab File: VD077830.D

Acq: 11 Dec 2023 23:45

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

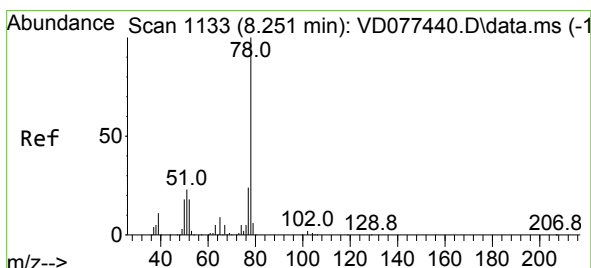
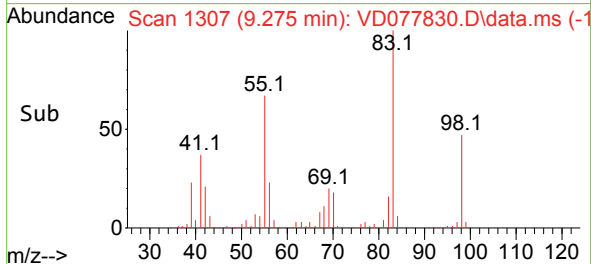
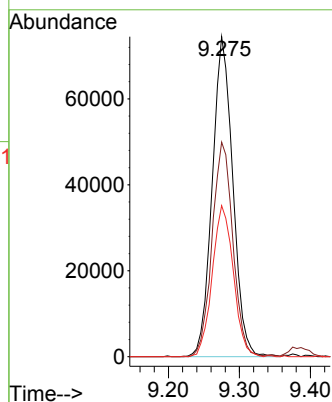
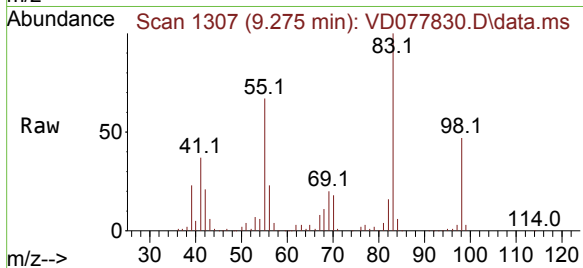
Tgt Ion: 83 Resp: 149819

Ion Ratio Lower Upper

83 100

55 67.1 49.4 74.0

98 47.2 38.4 57.6



#40

Benzene

Concen: 53.503 ug/l

RT: 8.252 min Scan# 1133

Delta R.T. 0.001 min

Lab File: VD077830.D

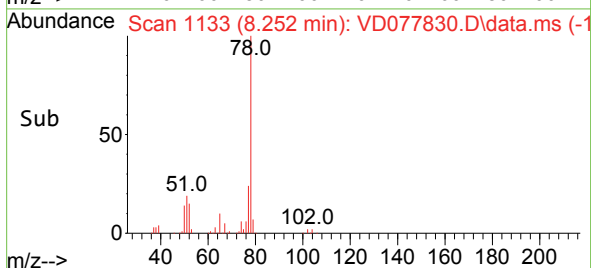
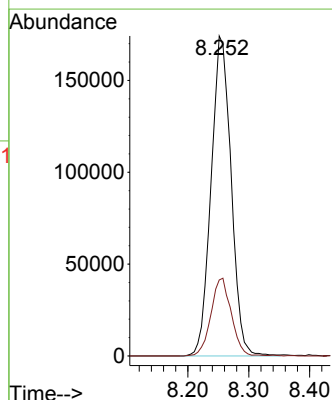
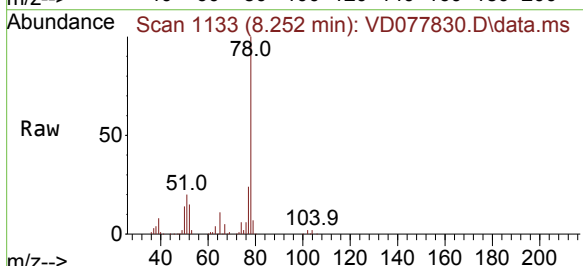
Acq: 11 Dec 2023 23:45

Tgt Ion: 78 Resp: 398042

Ion Ratio Lower Upper

78 100

77 23.8 19.4 29.0

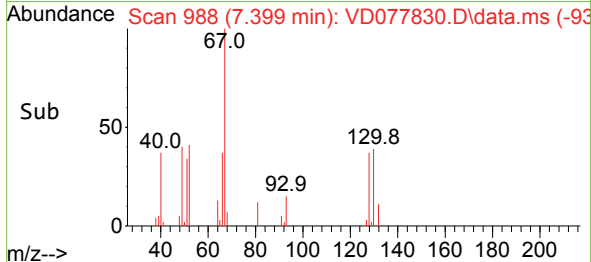
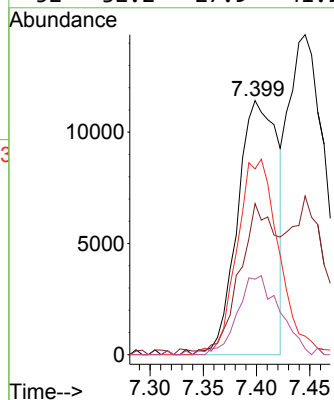
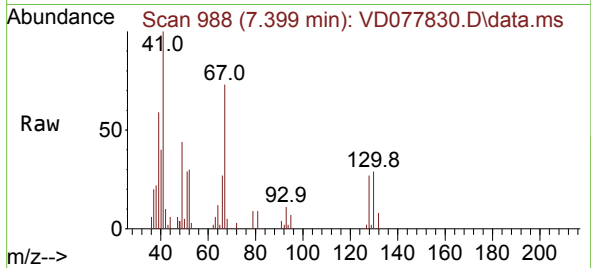




#41  
Methacrylonitrile  
Concen: 57.543 ug/l  
RT: 7.399 min Scan# 91  
Delta R.T. -0.005 min  
Lab File: VD077830.D  
Acq: 11 Dec 2023 23:45

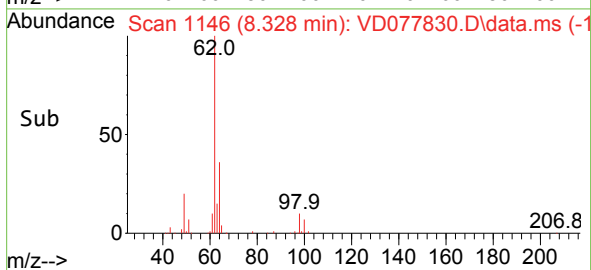
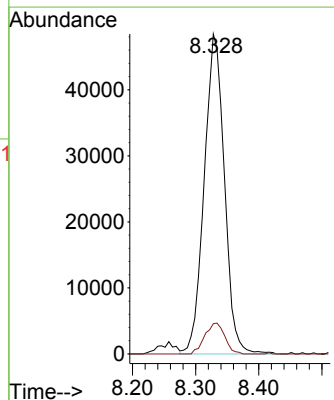
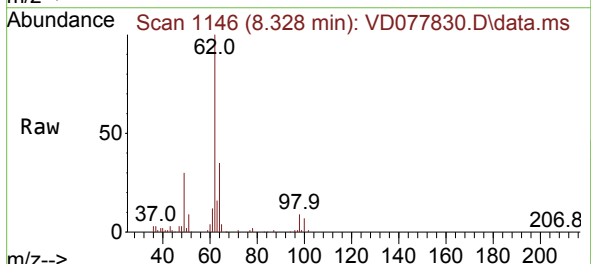
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

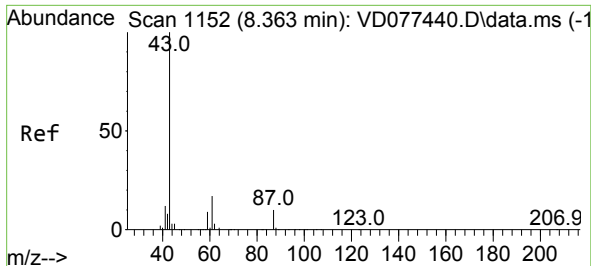
Tgt Ion: 41 Resp: 29893  
Ion Ratio Lower Upper  
41 100  
39 52.2 34.0 51.0#  
67 80.4 77.0 115.4  
52 32.2 27.9 41.9



#42  
1,2-Dichloroethane  
Concen: 55.893 ug/l  
RT: 8.328 min Scan# 1146  
Delta R.T. -0.000 min  
Lab File: VD077830.D  
Acq: 11 Dec 2023 23:45

Tgt Ion: 62 Resp: 107788  
Ion Ratio Lower Upper  
62 100  
98 9.5 0.0 25.4

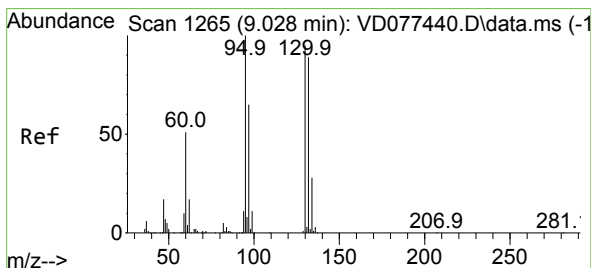
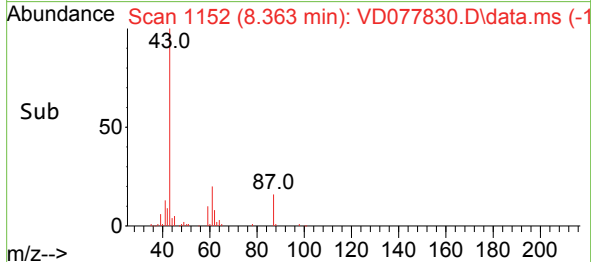
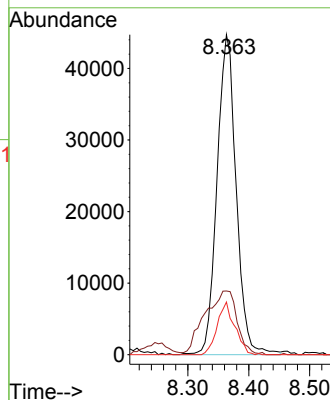
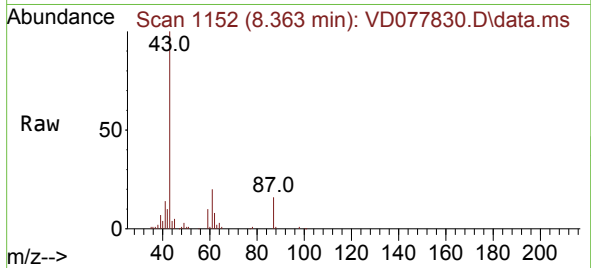




#43  
Isopropyl Acetate  
Concen: 53.707 ug/l  
RT: 8.363 min Scan# 1152  
Delta R.T. 0.000 min  
Lab File: VD077830.D  
Acq: 11 Dec 2023 23:45

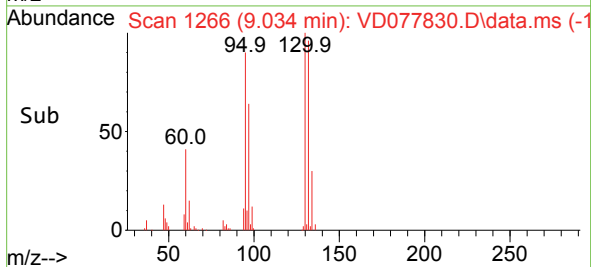
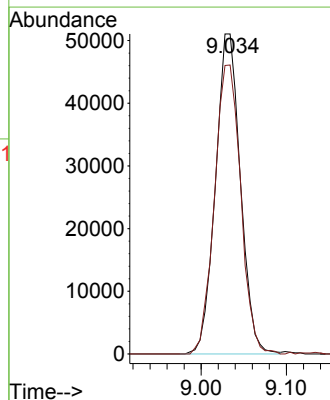
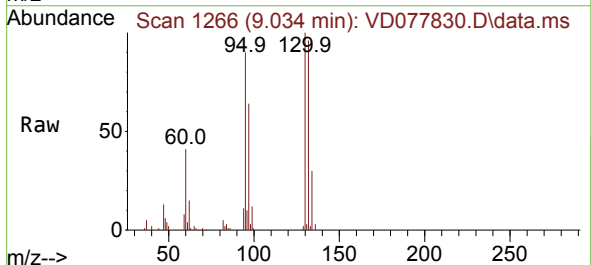
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

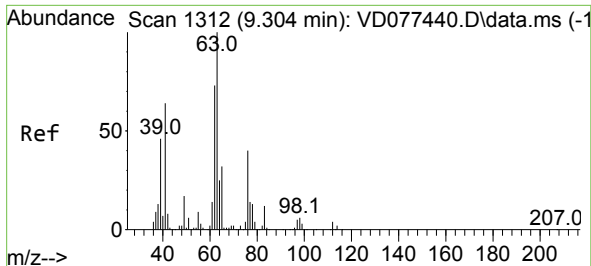
Tgt Ion: 43 Resp: 97580  
Ion Ratio Lower Upper  
43 100  
61 33.5 31.4 47.0  
87 15.1 14.9 22.3



#44  
Trichloroethene  
Concen: 53.585 ug/l  
RT: 9.034 min Scan# 1266  
Delta R.T. 0.006 min  
Lab File: VD077830.D  
Acq: 11 Dec 2023 23:45

Tgt Ion:130 Resp: 103889  
Ion Ratio Lower Upper  
130 100  
95 90.3 0.0 179.2





#45

1,2-Dichloropropane

Concen: 55.696 ug/l

RT: 9.304 min Scan# 1312

Delta R.T. 0.000 min

Lab File: VD077830.D

Acq: 11 Dec 2023 23:45

Instrument :

MSVOA\_D

ClientSampleId :

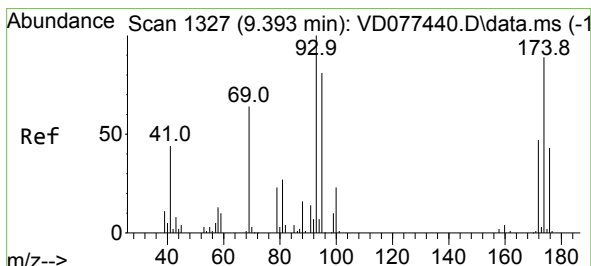
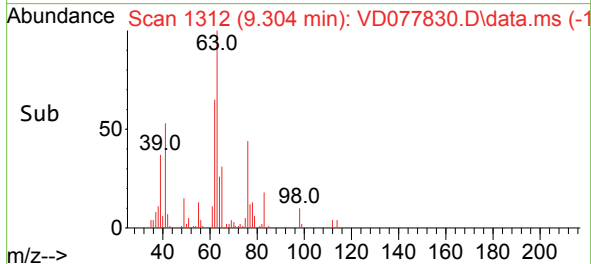
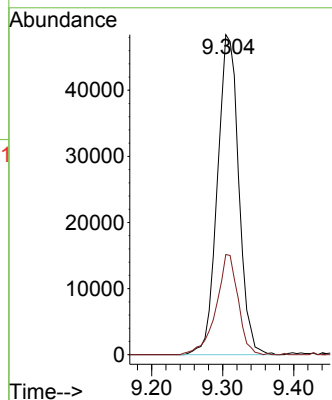
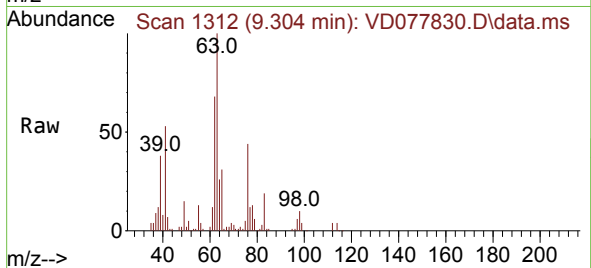
VSTDCCC050EC

Tgt Ion: 63 Resp: 100729

Ion Ratio Lower Upper

63 100

65 31.3 24.5 36.7



#46

Dibromomethane

Concen: 54.829 ug/l

RT: 9.393 min Scan# 1327

Delta R.T. -0.000 min

Lab File: VD077830.D

Acq: 11 Dec 2023 23:45

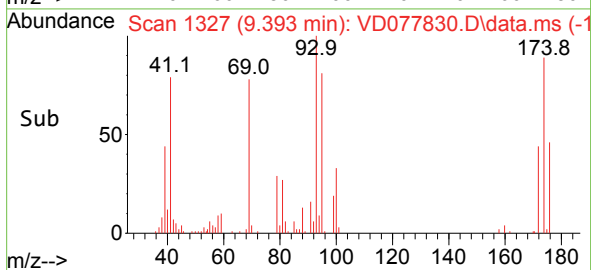
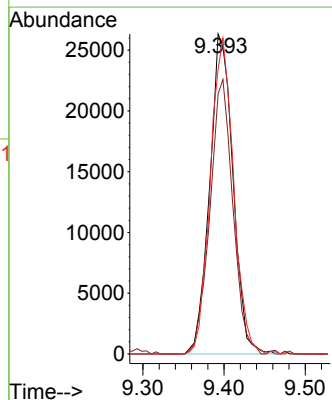
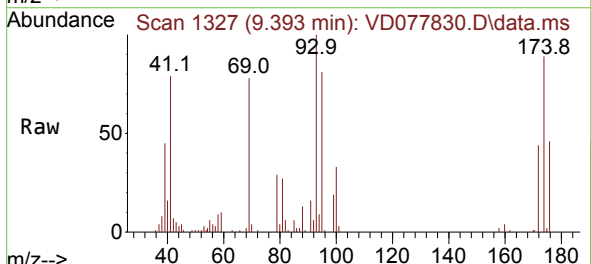
Tgt Ion: 93 Resp: 52468

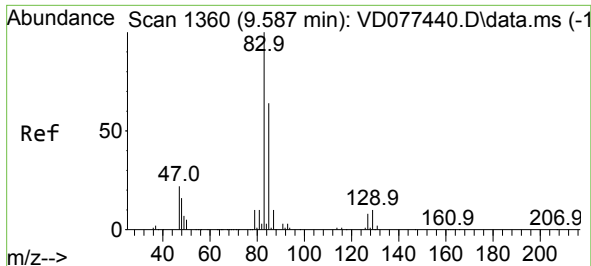
Ion Ratio Lower Upper

93 100

95 84.3 67.7 101.5

174 98.8 85.4 128.2





#47

Bromodichloromethane

Concen: 55.338 ug/l

RT: 9.587 min Scan# 1360

Delta R.T. -0.000 min

Lab File: VD077830.D

Acq: 11 Dec 2023 23:45

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

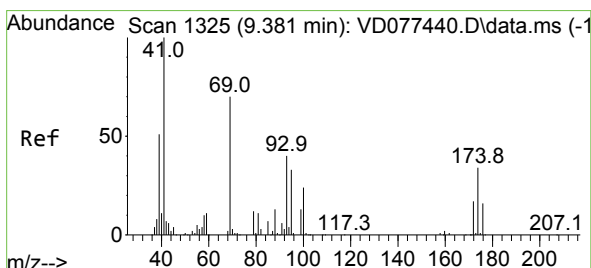
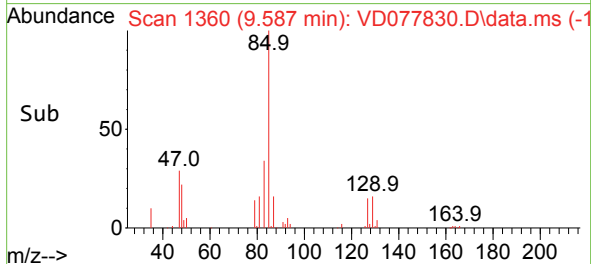
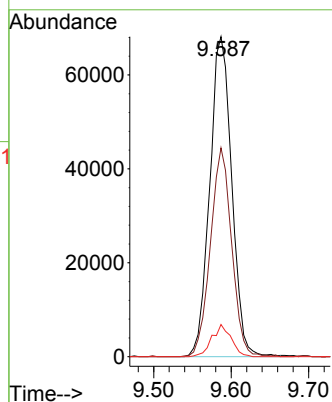
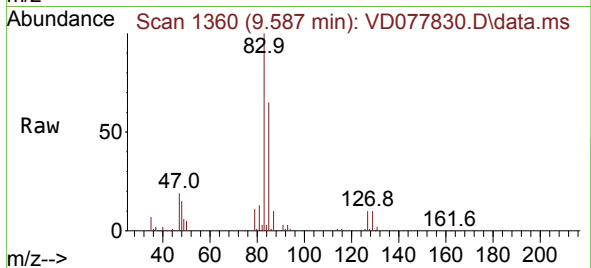
Tgt Ion: 83 Resp: 134223

Ion Ratio Lower Upper

83 100

85 65.3 50.2 75.4

127 10.1 6.3 9.5#



#48

Methyl methacrylate

Concen: 55.135 ug/l

RT: 9.381 min Scan# 1325

Delta R.T. -0.000 min

Lab File: VD077830.D

Acq: 11 Dec 2023 23:45

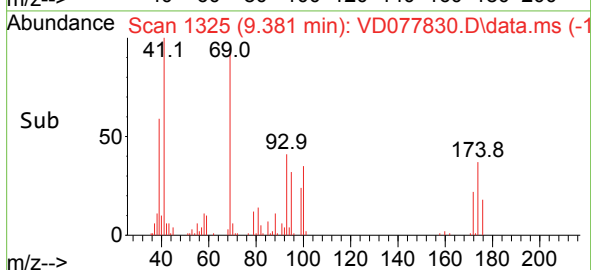
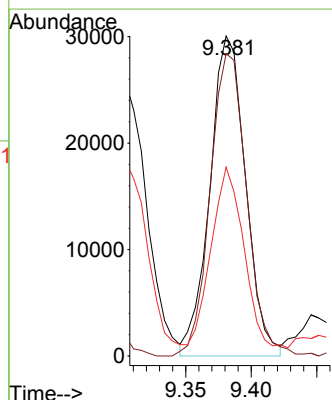
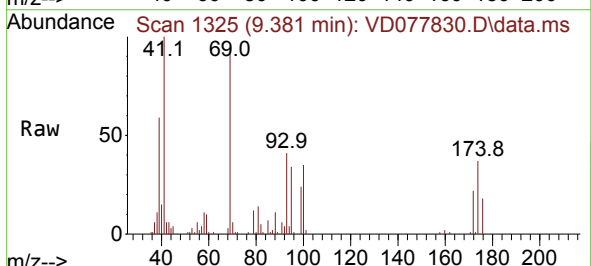
Tgt Ion: 41 Resp: 56944

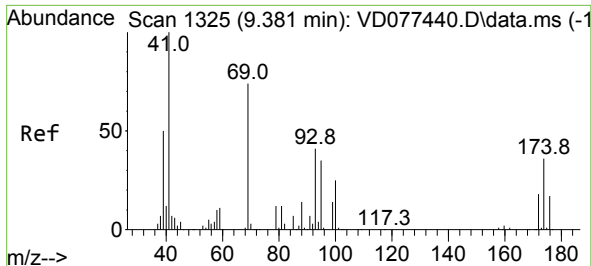
Ion Ratio Lower Upper

41 100

69 96.2 102.2 153.2#

39 57.0 41.4 62.2





#49

1,4-Dioxane

Concen: 989.259 ug/l

RT: 9.387 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD077830.D

Acq: 11 Dec 2023 23:45

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

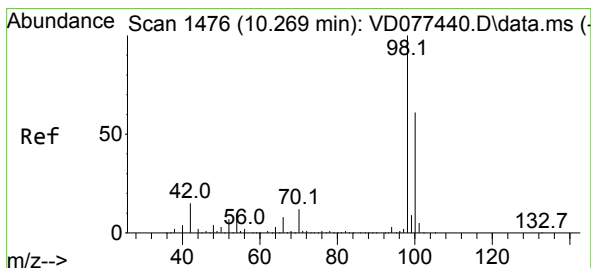
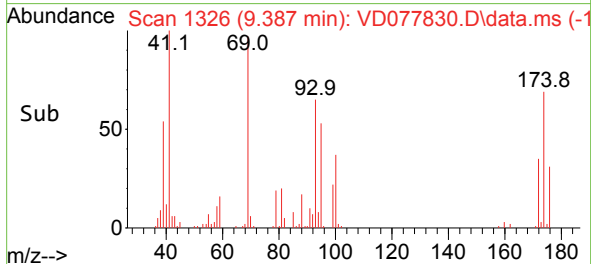
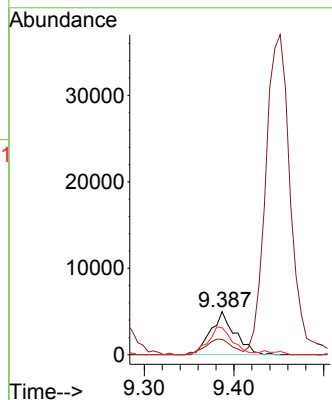
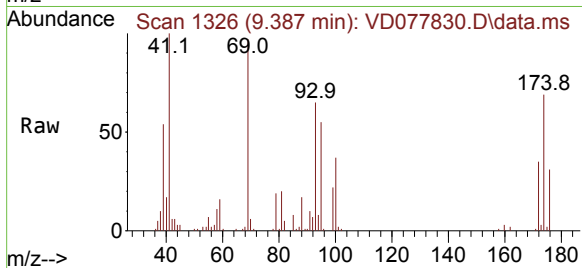
Tgt Ion: 88 Resp: 9400

Ion Ratio Lower Upper

88 100

43 39.1 19.0 28.6#

58 64.1 43.5 65.3



#50

Toluene-d8

Concen: 51.823 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD077830.D

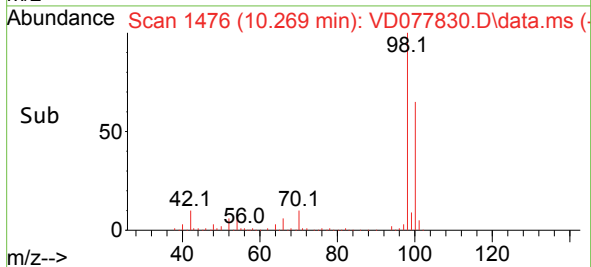
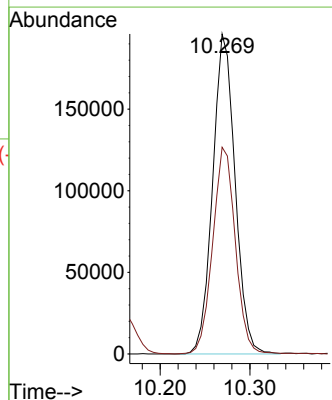
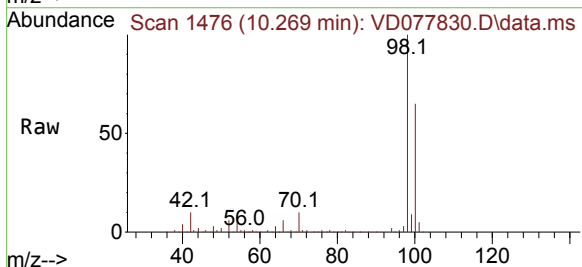
Acq: 11 Dec 2023 23:45

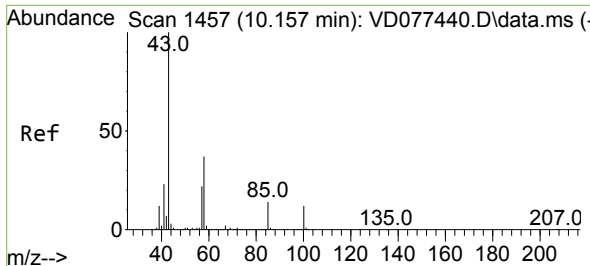
Tgt Ion: 98 Resp: 340137

Ion Ratio Lower Upper

98 100

100 65.6 50.3 75.5





#51

4-Methyl-2-Pentanone

Concen: 268.848 ug/l

RT: 10.157 min Scan# 1457

Delta R.T. 0.000 min

Lab File: VD077830.D

Acq: 11 Dec 2023 23:45

Instrument :

MSVOA\_D

ClientSampleId :

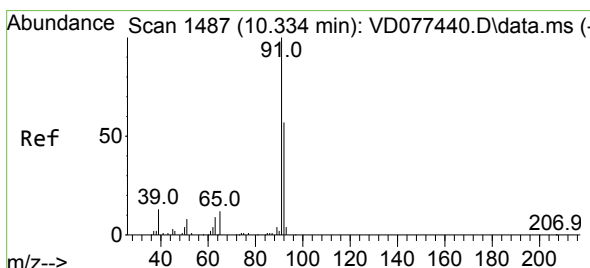
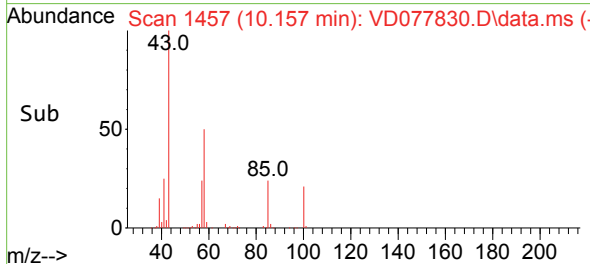
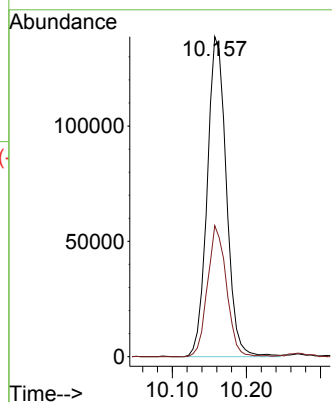
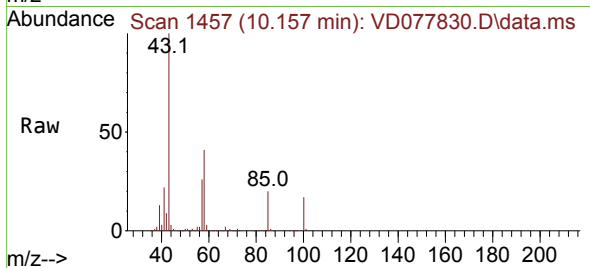
VSTDCCC050EC

Tgt Ion: 43 Resp: 249294

Ion Ratio Lower Upper

43 100

58 40.6 38.9 58.3



#52

Toluene

Concen: 55.320 ug/l

RT: 10.334 min Scan# 1487

Delta R.T. -0.000 min

Lab File: VD077830.D

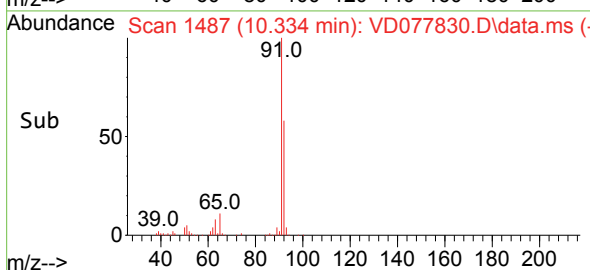
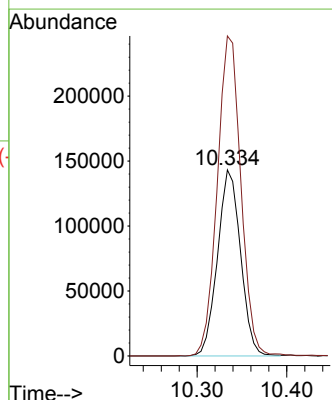
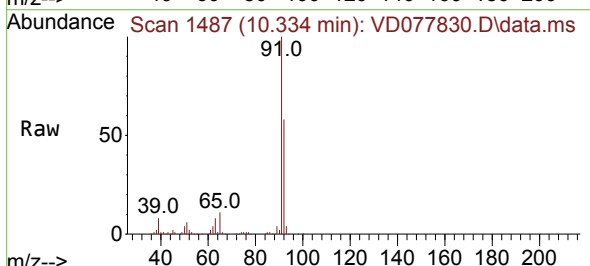
Acq: 11 Dec 2023 23:45

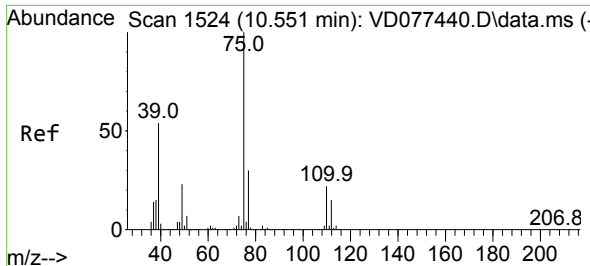
Tgt Ion: 92 Resp: 255294

Ion Ratio Lower Upper

92 100

91 176.6 143.0 214.4

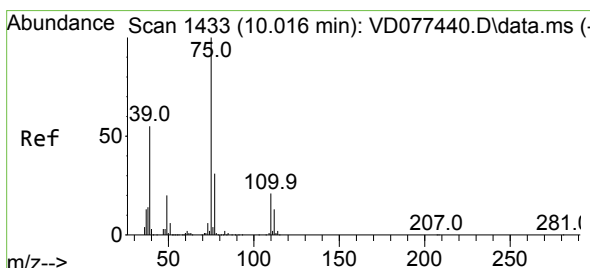
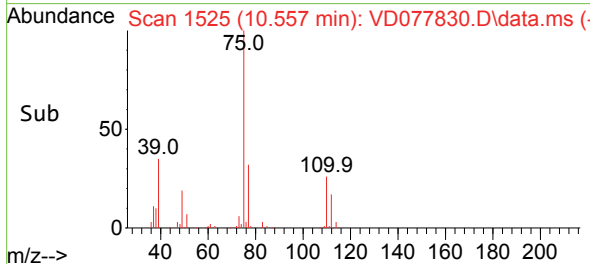
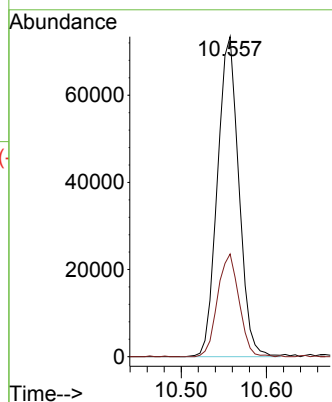
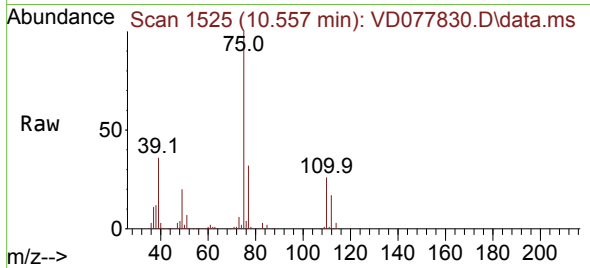




#53  
t-1,3-Dichloropropene  
Concen: 55.026 ug/l  
RT: 10.557 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VD077830.D  
Acq: 11 Dec 2023 23:45

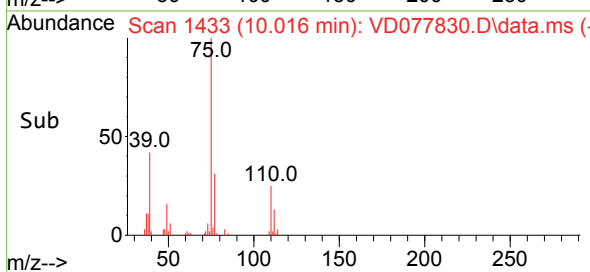
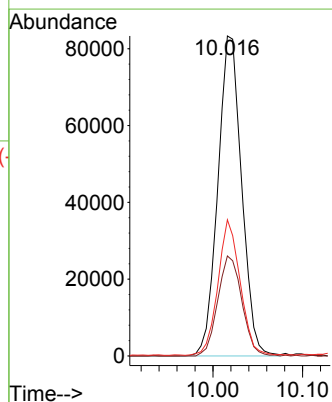
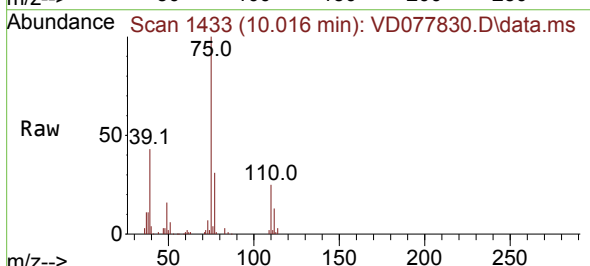
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

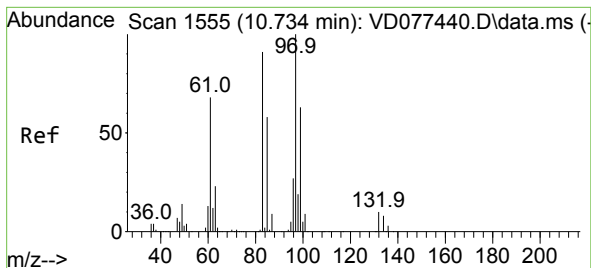
Tgt Ion: 75 Resp: 128167  
Ion Ratio Lower Upper  
75 100  
77 32.1 25.3 37.9



#54  
cis-1,3-Dichloropropene  
Concen: 54.436 ug/l  
RT: 10.016 min Scan# 1433  
Delta R.T. 0.000 min  
Lab File: VD077830.D  
Acq: 11 Dec 2023 23:45

Tgt Ion: 75 Resp: 153297  
Ion Ratio Lower Upper  
75 100  
77 31.3 25.5 38.3  
39 42.2 22.1 33.1#





#55

1,1,2-Trichloroethane

Concen: 55.439 ug/l

RT: 10.734 min Scan# 1555

Delta R.T. -0.000 min

Lab File: VD077830.D

Acq: 11 Dec 2023 23:45

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 97 Resp: 72566

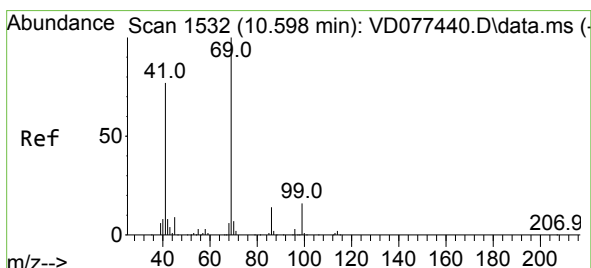
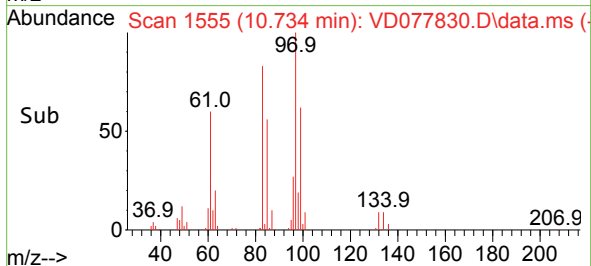
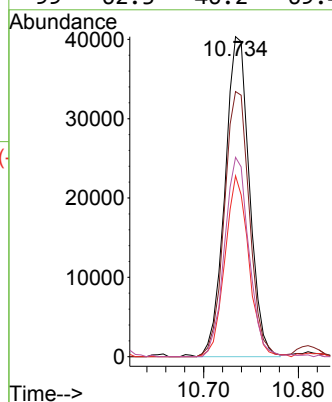
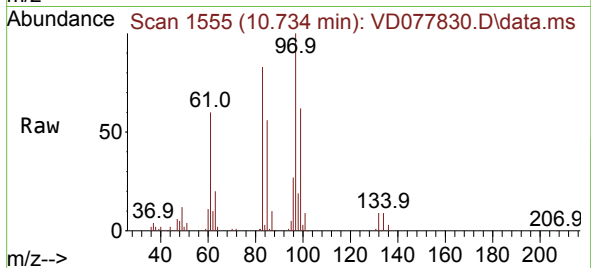
Ion Ratio Lower Upper

97 100

83 82.9 65.8 98.6

85 56.5 45.7 68.5

99 62.3 46.2 69.4



#56

Ethyl methacrylate

Concen: 55.172 ug/l

RT: 10.598 min Scan# 1532

Delta R.T. 0.000 min

Lab File: VD077830.D

Acq: 11 Dec 2023 23:45

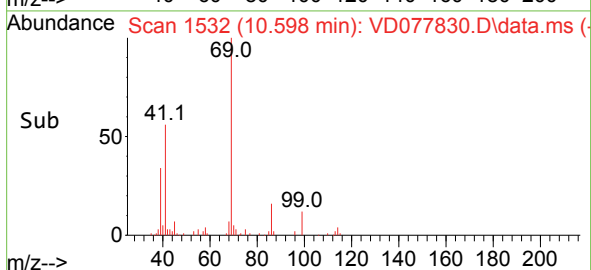
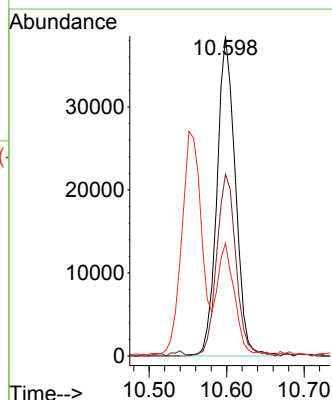
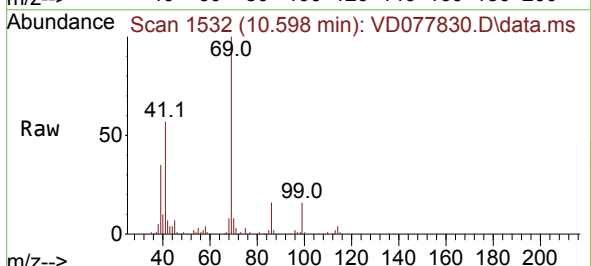
Tgt Ion: 69 Resp: 63661

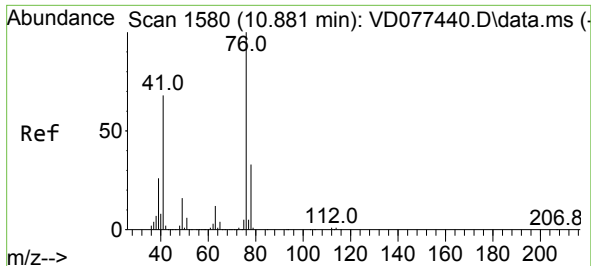
Ion Ratio Lower Upper

69 100

41 59.9 39.1 58.7#

39 32.8 20.0 30.0#





#57

1,3-Dichloropropane

Concen: 56.482 ug/l

RT: 10.881 min Scan# 1580

Delta R.T. -0.000 min

Lab File: VD077830.D

Acq: 11 Dec 2023 23:45

Instrument :

MSVOA\_D

ClientSampleId :

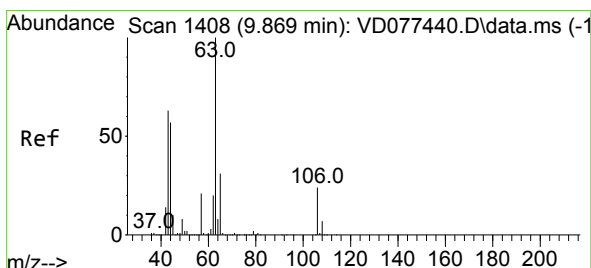
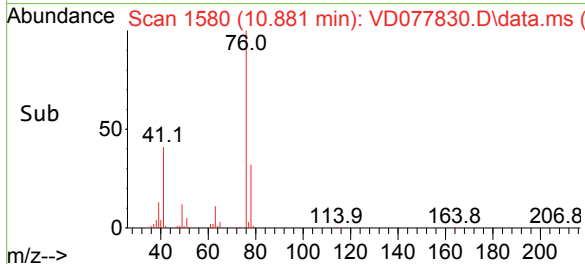
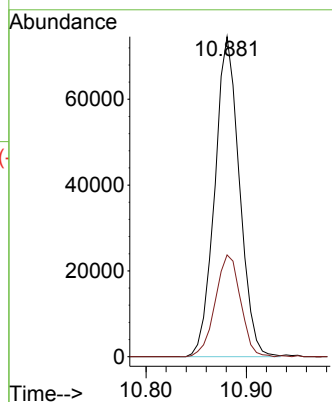
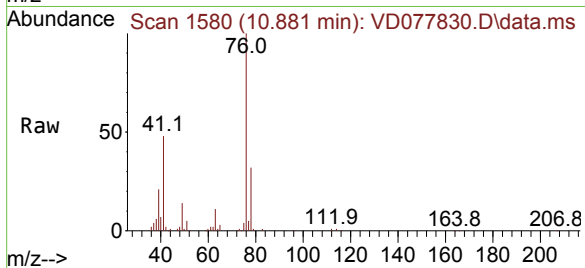
VSTDCCC050EC

Tgt Ion: 76 Resp: 127438

Ion Ratio Lower Upper

76 100

78 32.5 26.4 39.6



#58

2-Chloroethyl Vinyl ether

Concen: 259.436 ug/l

RT: 9.869 min Scan# 1408

Delta R.T. 0.000 min

Lab File: VD077830.D

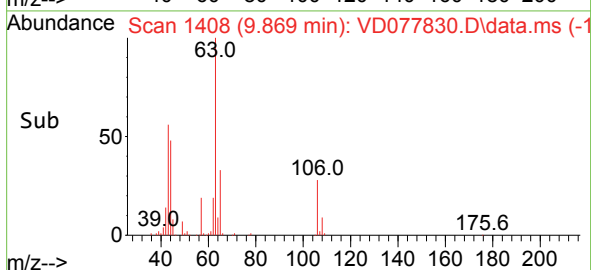
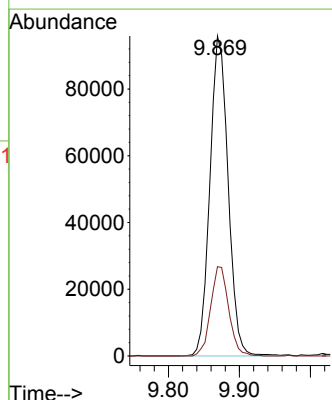
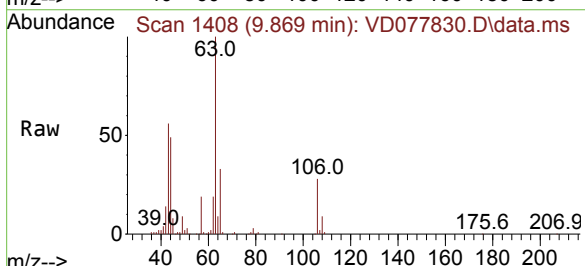
Acq: 11 Dec 2023 23:45

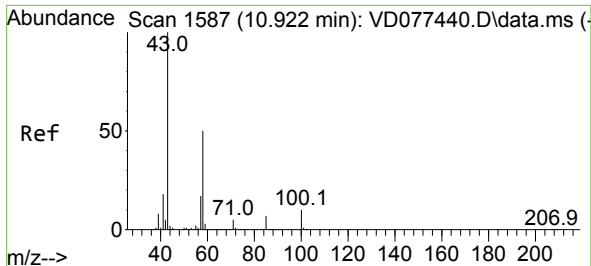
Tgt Ion: 63 Resp: 170715

Ion Ratio Lower Upper

63 100

106 27.6 25.3 37.9

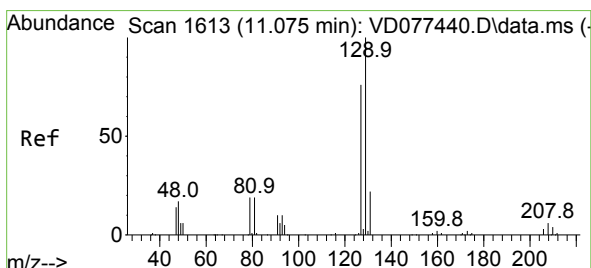
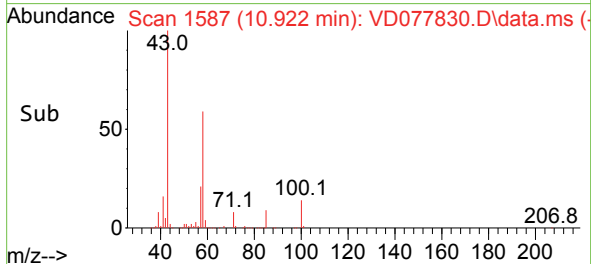
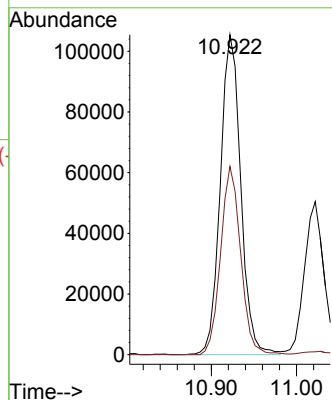
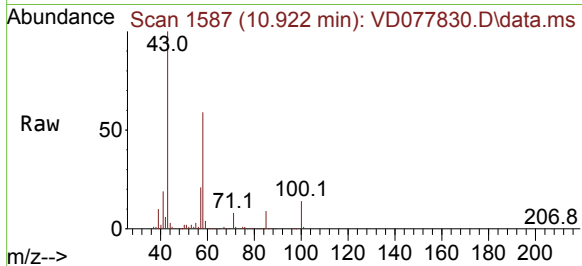




#59  
2-Hexanone  
Concen: 228.652 ug/l  
RT: 10.922 min Scan# 1587  
Delta R.T. -0.000 min  
Lab File: VD077830.D  
Acq: 11 Dec 2023 23:45

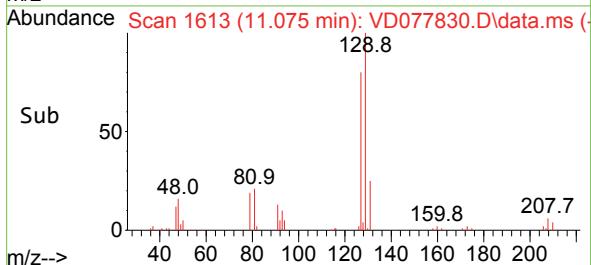
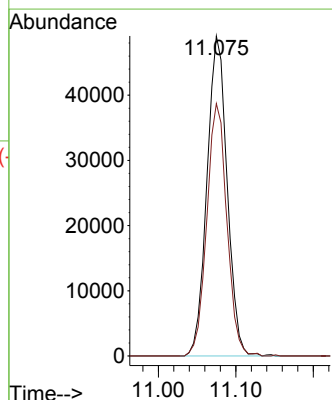
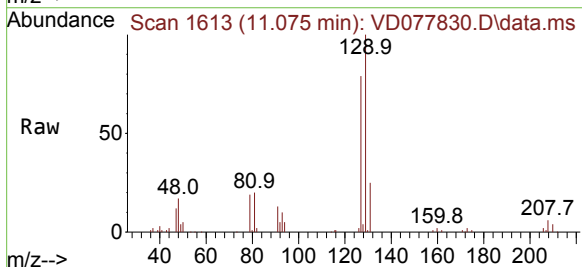
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

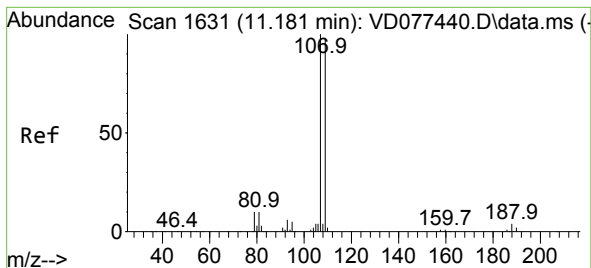
Tgt Ion: 43 Resp: 175903  
Ion Ratio Lower Upper  
43 100  
58 57.8 34.1 102.2



#60  
Dibromochloromethane  
Concen: 56.226 ug/l  
RT: 11.075 min Scan# 1613  
Delta R.T. -0.000 min  
Lab File: VD077830.D  
Acq: 11 Dec 2023 23:45

Tgt Ion: 129 Resp: 88608  
Ion Ratio Lower Upper  
129 100  
127 78.6 37.1 111.5

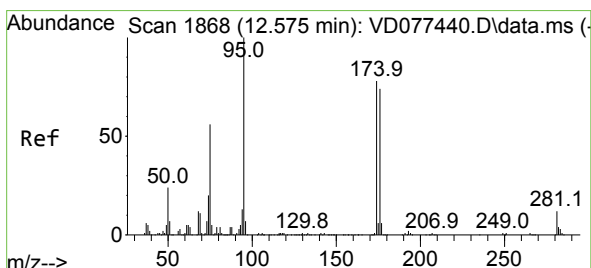
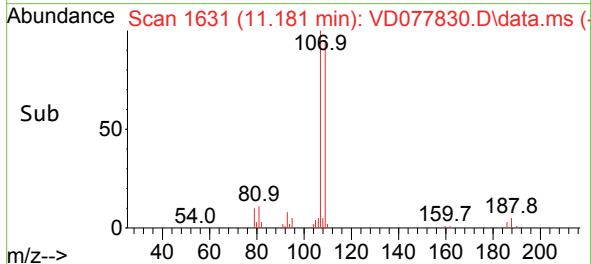
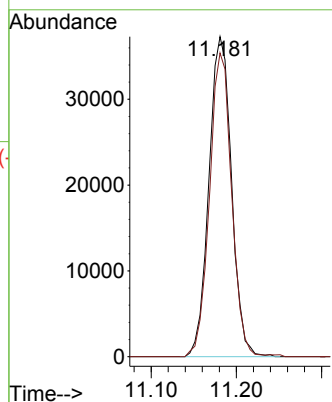
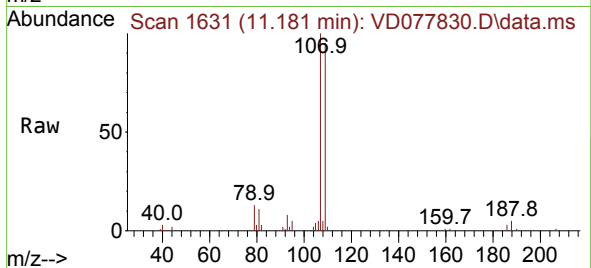




#61  
1,2-Dibromoethane  
Concen: 55.605 ug/l  
RT: 11.181 min Scan# 1631  
Delta R.T. -0.000 min  
Lab File: VD077830.D  
Acq: 11 Dec 2023 23:45

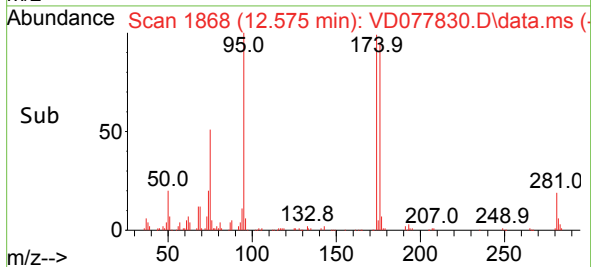
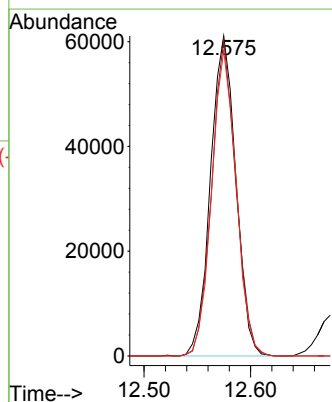
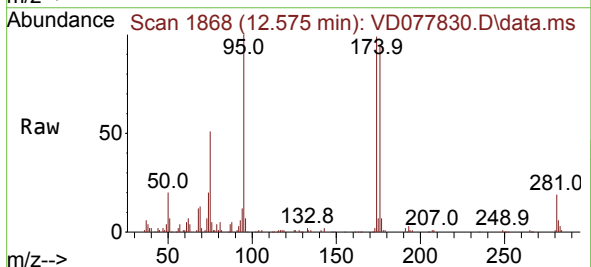
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

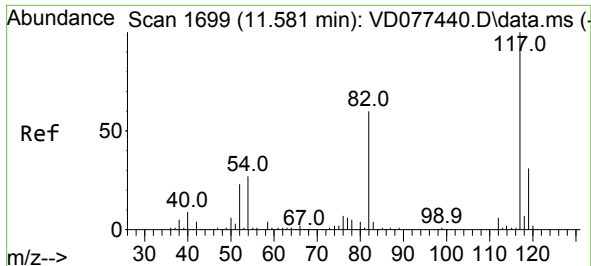
Tgt Ion:107 Resp: 68513  
Ion Ratio Lower Upper  
107 100  
109 92.8 75.6 113.4



#62  
4-Bromofluorobenzene  
Concen: 51.377 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. -0.000 min  
Lab File: VD077830.D  
Acq: 11 Dec 2023 23:45

Tgt Ion: 95 Resp: 100816  
Ion Ratio Lower Upper  
95 100  
174 94.3 0.0 201.8  
176 92.2 0.0 191.8

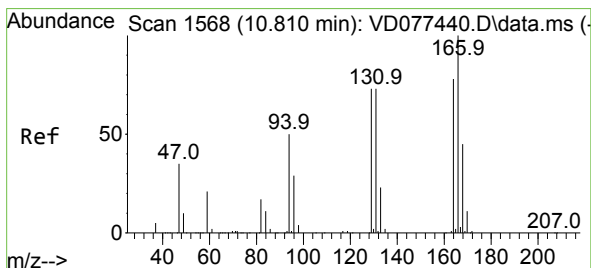
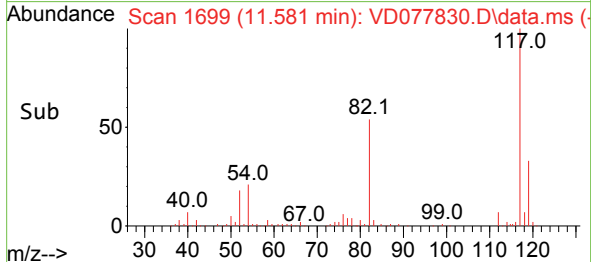
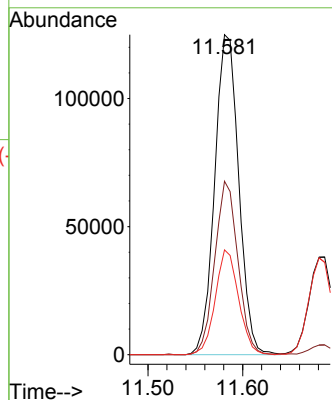
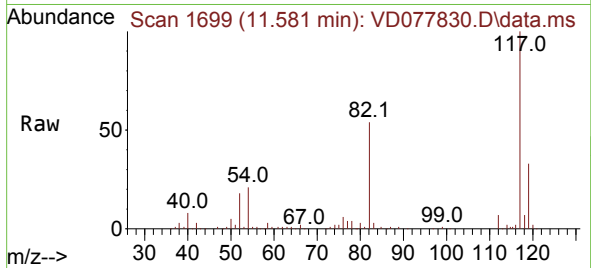




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VD077830.D  
Acq: 11 Dec 2023 23:45

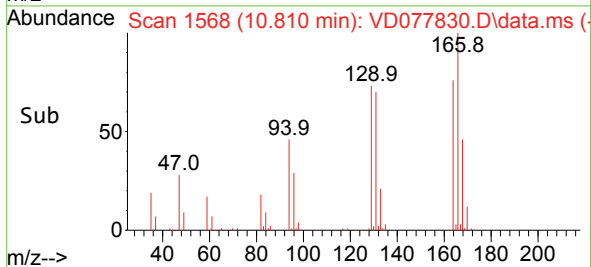
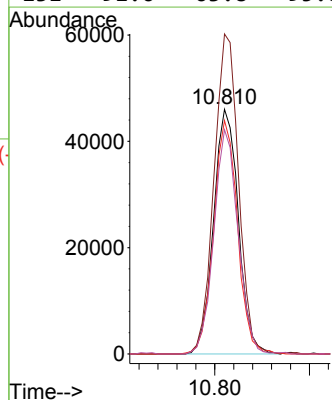
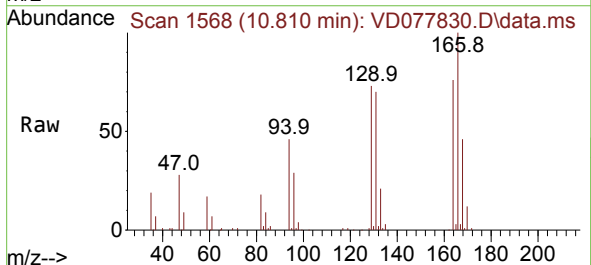
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

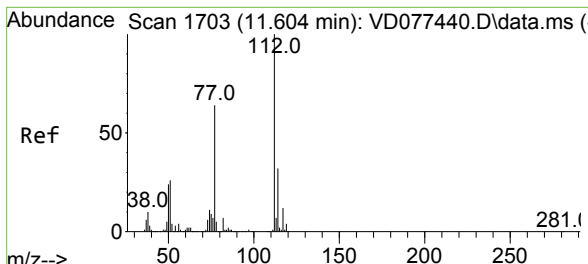
Tgt Ion:117 Resp: 220629  
Ion Ratio Lower Upper  
117 100  
82 54.2 38.3 57.5  
119 32.8 25.0 37.4



#64  
Tetrachloroethene  
Concen: 51.551 ug/l  
RT: 10.810 min Scan# 1568  
Delta R.T. 0.000 min  
Lab File: VD077830.D  
Acq: 11 Dec 2023 23:45

Tgt Ion:164 Resp: 83595  
Ion Ratio Lower Upper  
164 100  
166 130.8 99.2 148.8  
129 95.4 68.4 102.6  
131 91.6 63.8 95.8

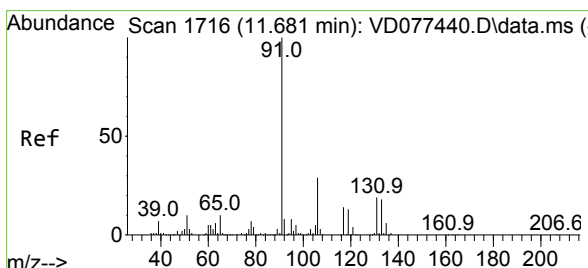
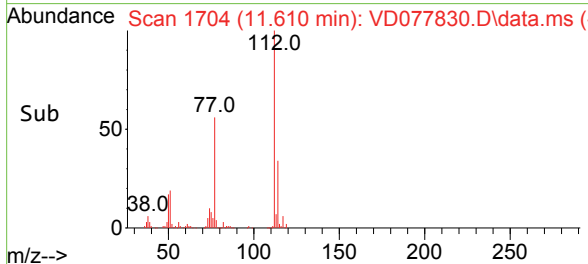
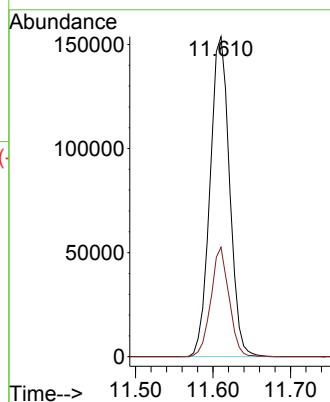
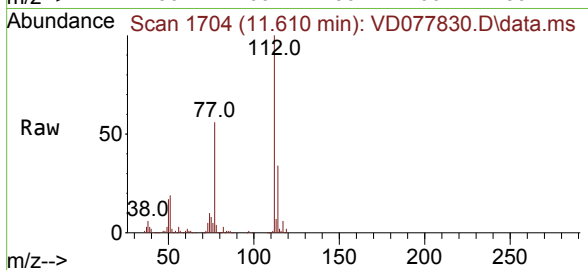




#65  
Chlorobenzene  
Concen: 51.831 ug/l  
RT: 11.610 min Scan# 1704  
Delta R.T. 0.006 min  
Lab File: VD077830.D  
Acq: 11 Dec 2023 23:45

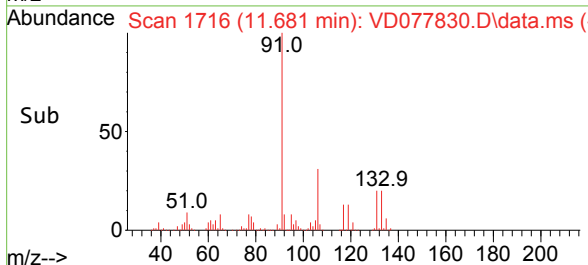
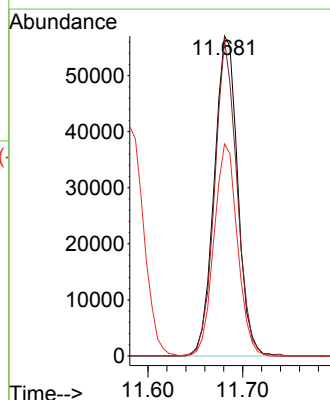
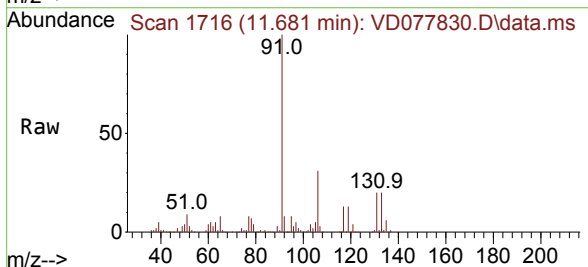
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

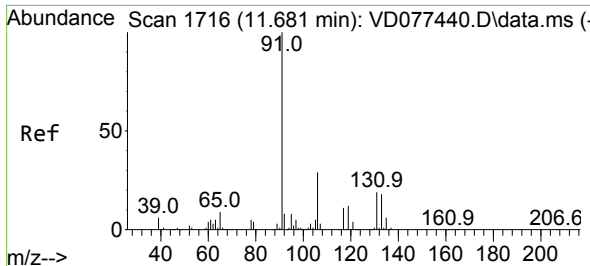
Tgt Ion:112 Resp: 269214  
Ion Ratio Lower Upper  
112 100  
114 34.2 25.1 37.7



#66  
1,1,1,2-Tetrachloroethane  
Concen: 53.449 ug/l  
RT: 11.681 min Scan# 1716  
Delta R.T. -0.000 min  
Lab File: VD077830.D  
Acq: 11 Dec 2023 23:45

Tgt Ion:131 Resp: 98062  
Ion Ratio Lower Upper  
131 100  
133 94.1 48.5 145.5  
119 66.5 35.6 106.9





#67

Ethyl Benzene

Concen: 53.166 ug/l

RT: 11.687 min Scan# 1716

Delta R.T. 0.006 min

Lab File: VD077830.D

Acq: 11 Dec 2023 23:45

Instrument :

MSVOA\_D

ClientSampleId :

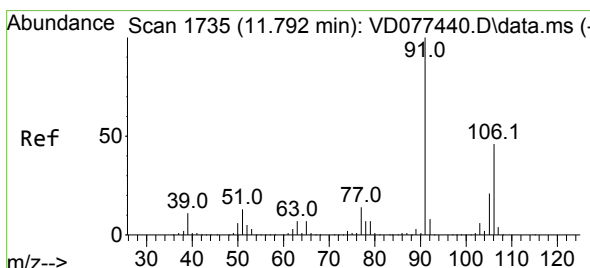
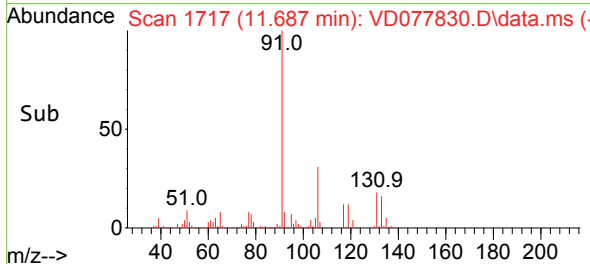
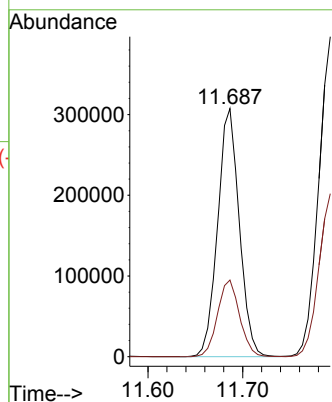
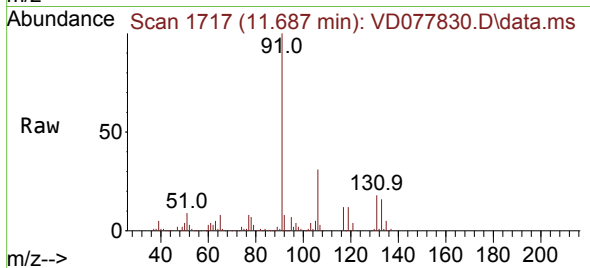
VSTDCCC050EC

Tgt Ion: 91 Resp: 488349

Ion Ratio Lower Upper

91 100

106 30.9 26.5 39.7



#68

m/p-Xylenes

Concen: 106.728 ug/l

RT: 11.793 min Scan# 1735

Delta R.T. 0.001 min

Lab File: VD077830.D

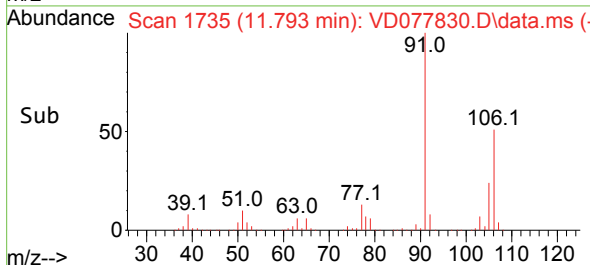
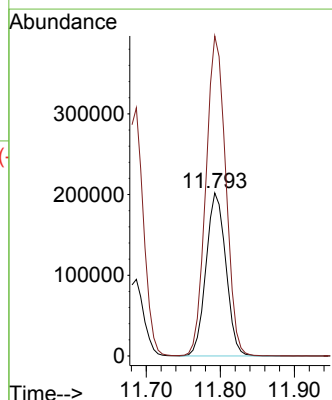
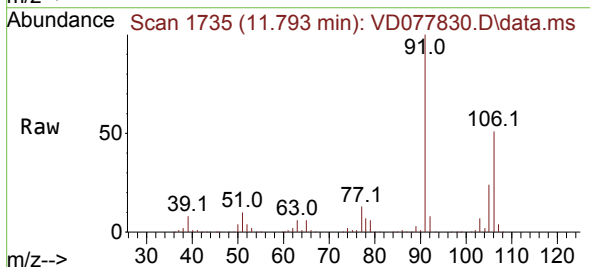
Acq: 11 Dec 2023 23:45

Tgt Ion:106 Resp: 374988

Ion Ratio Lower Upper

106 100

91 196.9 147.0 220.6

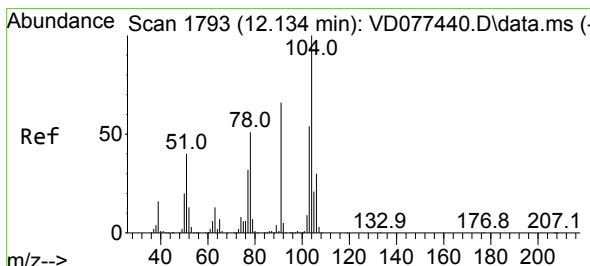
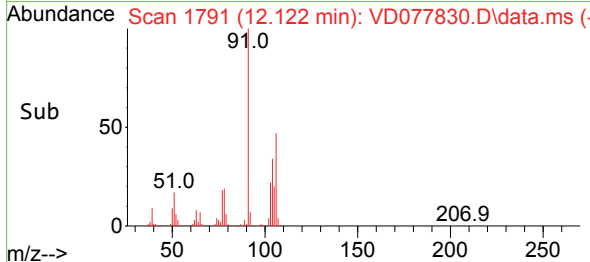
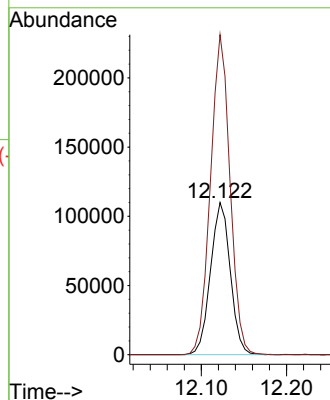
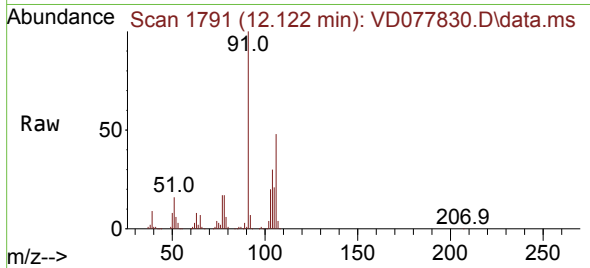




#69  
o-Xylene  
Concen: 54.840 ug/l  
RT: 12.122 min Scan# 1791  
Delta R.T. -0.000 min  
Lab File: VD077830.D  
Acq: 11 Dec 2023 23:45

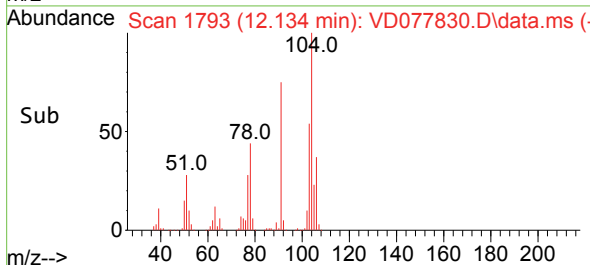
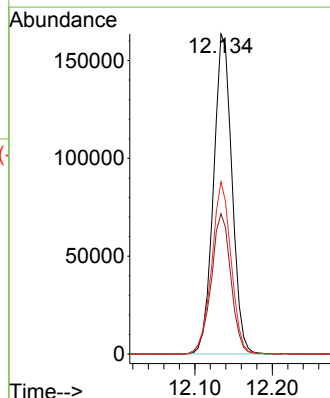
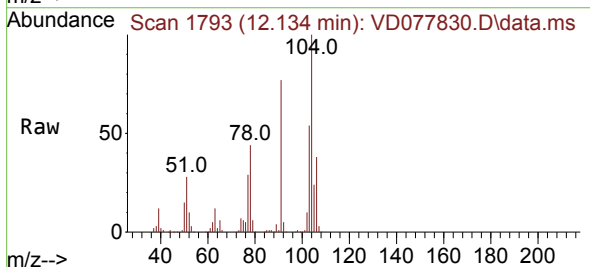
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

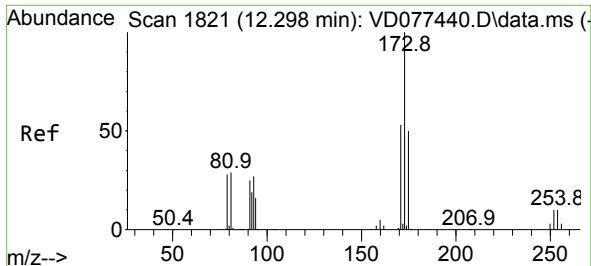
Tgt Ion:106 Resp: 177578  
Ion Ratio Lower Upper  
106 100  
91 207.8 97.9 293.6



#70  
Styrene  
Concen: 56.189 ug/l  
RT: 12.134 min Scan# 1793  
Delta R.T. -0.000 min  
Lab File: VD077830.D  
Acq: 11 Dec 2023 23:45

Tgt Ion:104 Resp: 270544  
Ion Ratio Lower Upper  
104 100  
78 46.7 33.2 49.8  
103 56.4 43.6 65.4

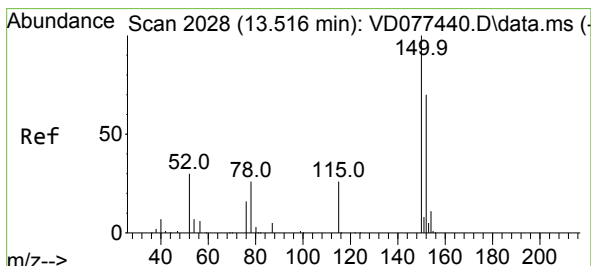
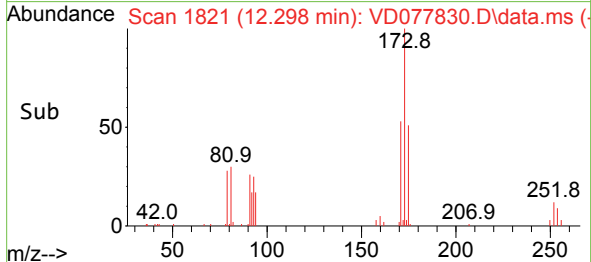
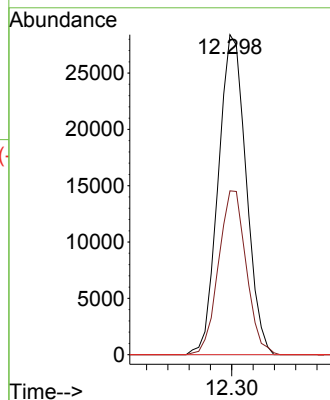
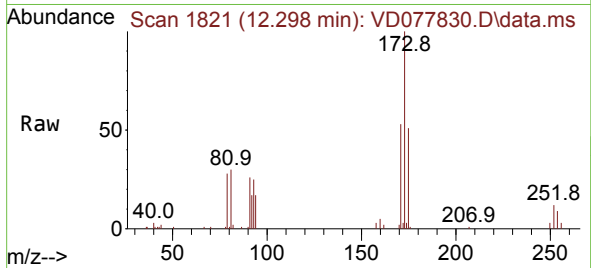




#71  
Bromoform  
Concen: 53.669 ug/l  
RT: 12.298 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VD077830.D  
Acq: 11 Dec 2023 23:45

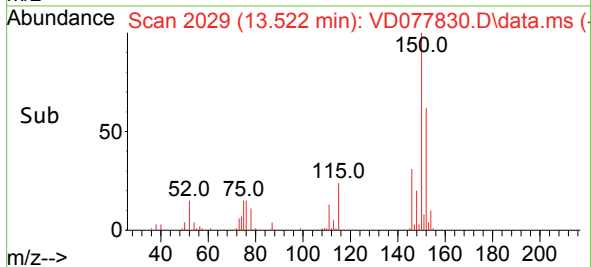
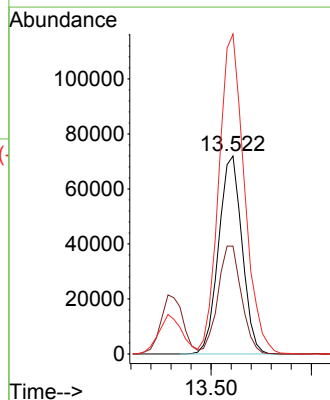
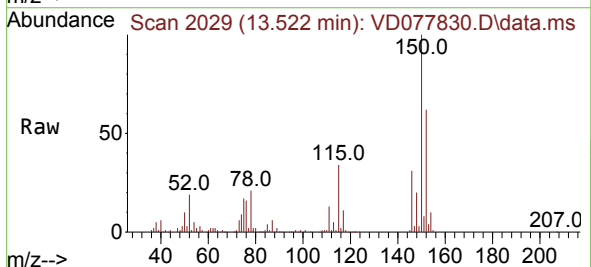
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

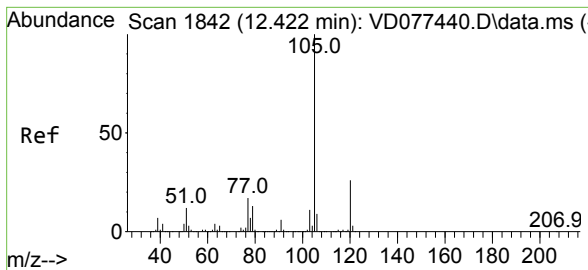
Tgt Ion:173 Resp: 51449  
Ion Ratio Lower Upper  
173 100  
175 51.0 24.6 73.8  
254 0.0 0.0 0.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.522 min Scan# 2029  
Delta R.T. 0.006 min  
Lab File: VD077830.D  
Acq: 11 Dec 2023 23:45

Tgt Ion:152 Resp: 116368  
Ion Ratio Lower Upper  
152 100  
115 55.3 27.1 81.3  
150 176.6 0.0 353.6

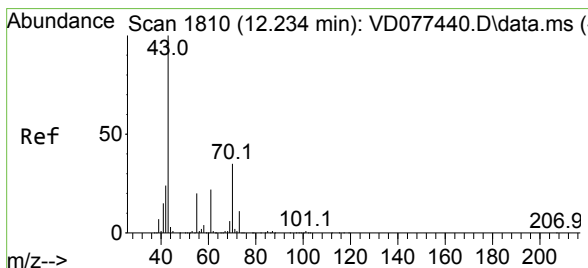
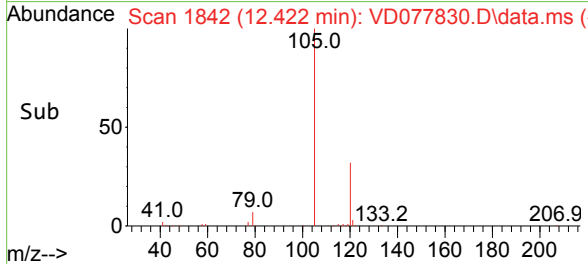
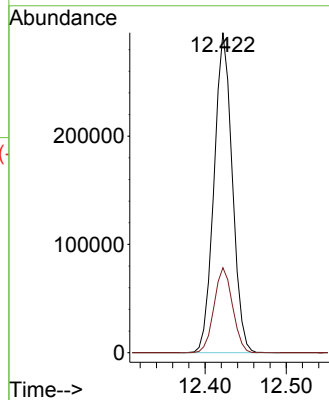
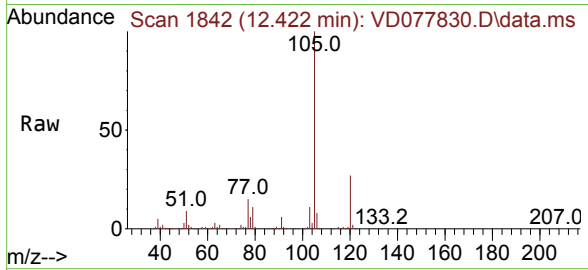




#73  
Isopropylbenzene  
Concen: 52.240 ug/l  
RT: 12.422 min Scan# 1842  
Delta R.T. -0.000 min  
Lab File: VD077830.D  
Acq: 11 Dec 2023 23:45

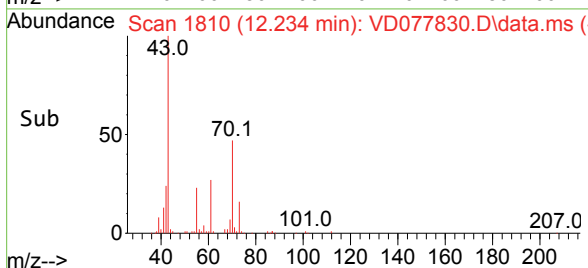
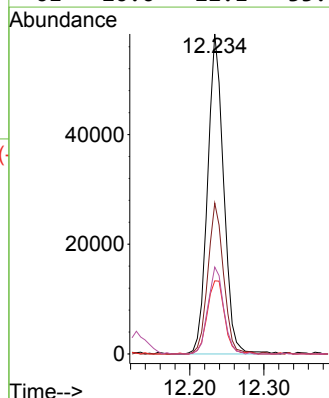
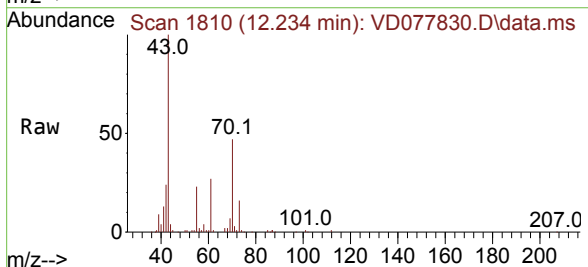
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

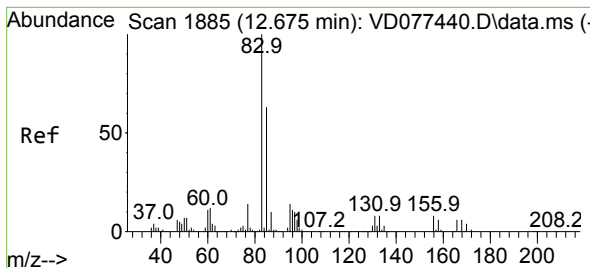
Tgt Ion:105 Resp: 460739  
Ion Ratio Lower Upper  
105 100  
120 26.9 14.3 42.9



#74  
N-ethyl acetate  
Concen: 50.677 ug/l  
RT: 12.234 min Scan# 1810  
Delta R.T. -0.000 min  
Lab File: VD077830.D  
Acq: 11 Dec 2023 23:45

Tgt Ion: 43 Resp: 87858  
Ion Ratio Lower Upper  
43 100  
70 46.1 45.0 67.4  
55 24.7 23.8 35.6  
61 26.6 22.1 33.1

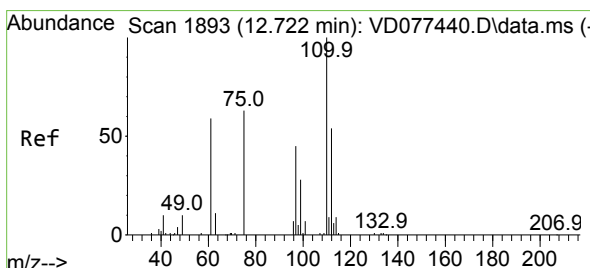
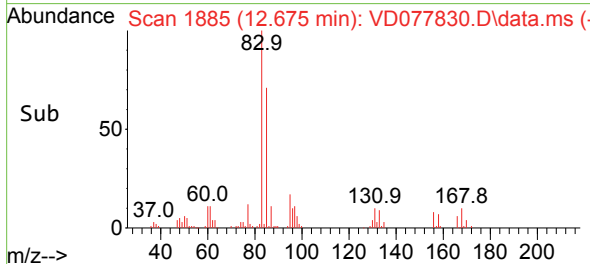
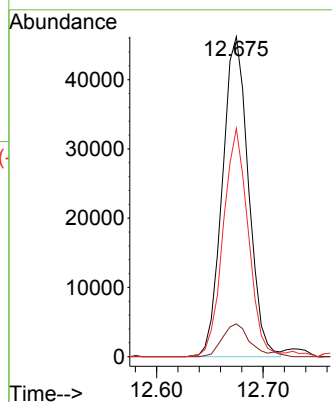
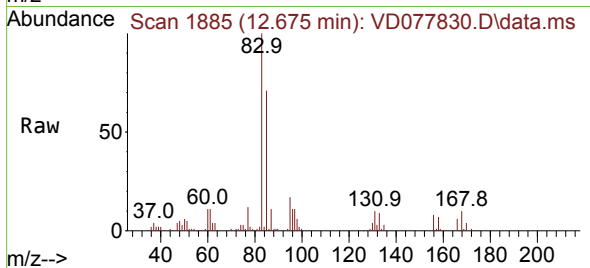




#75  
 1,1,2,2-Tetrachloroethane  
 Concen: 50.983 ug/l  
 RT: 12.675 min Scan# 1885  
 Delta R.T. -0.000 min  
 Lab File: VD077830.D  
 Acq: 11 Dec 2023 23:45

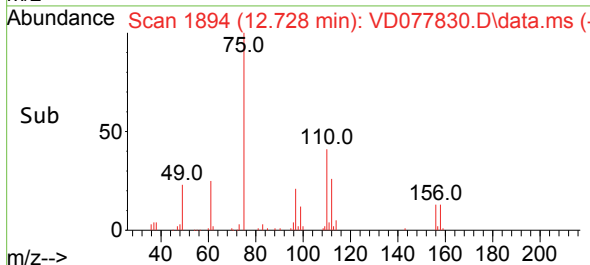
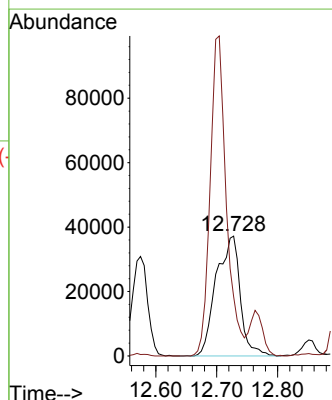
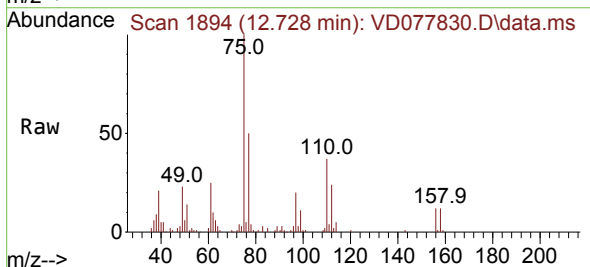
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 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

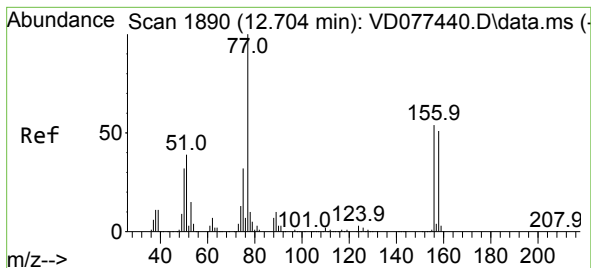
Tgt Ion: 83 Resp: 78403  
 Ion Ratio Lower Upper  
 83 100  
 131 11.0 5.1 15.3  
 85 68.5 32.6 97.8



#76  
 1,2,3-Trichloropropane  
 Concen: 100.806 ug/l  
 RT: 12.728 min Scan# 1894  
 Delta R.T. 0.006 min  
 Lab File: VD077830.D  
 Acq: 11 Dec 2023 23:45

Tgt Ion: 75 Resp: 101881  
 Ion Ratio Lower Upper  
 75 100  
 77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 53.126 ug/l

RT: 12.698 min Scan# 1889

Delta R.T. -0.006 min

Lab File: VD077830.D

Acq: 11 Dec 2023 23:45

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

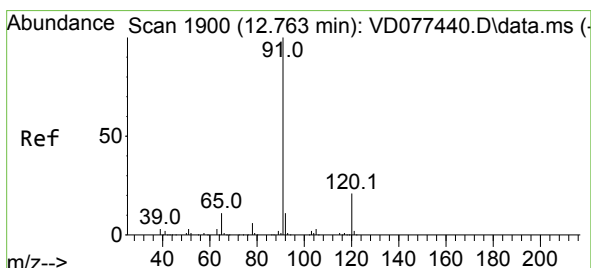
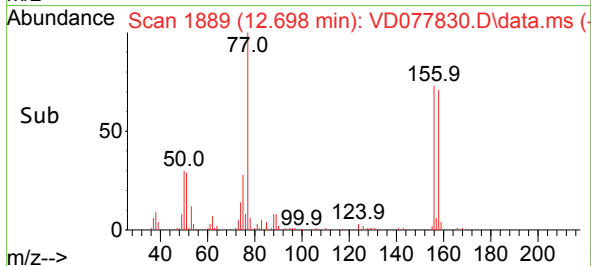
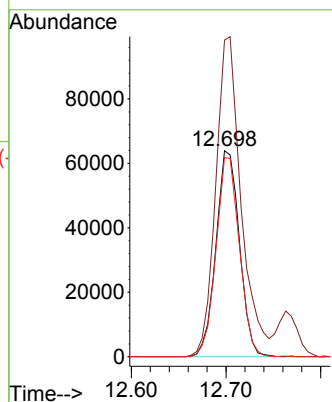
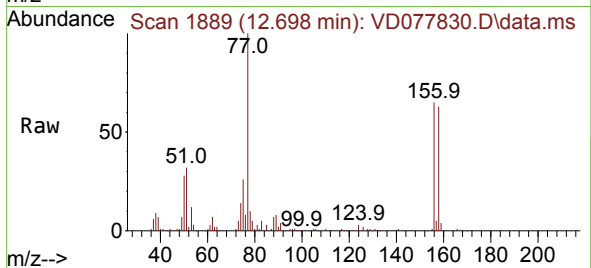
Tgt Ion:156 Resp: 110209

Ion Ratio Lower Upper

156 100

77 167.6 76.8 230.4

158 96.0 48.6 145.9



#78

n-propylbenzene

Concen: 51.349 ug/l

RT: 12.763 min Scan# 1900

Delta R.T. 0.000 min

Lab File: VD077830.D

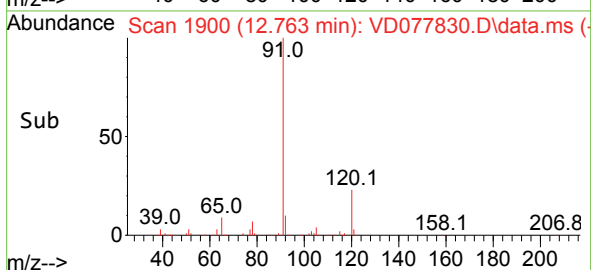
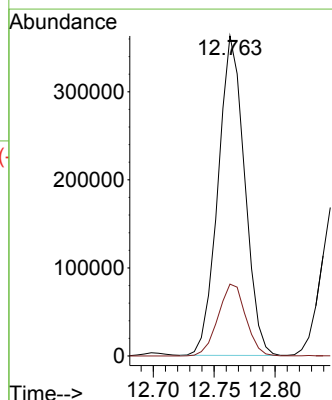
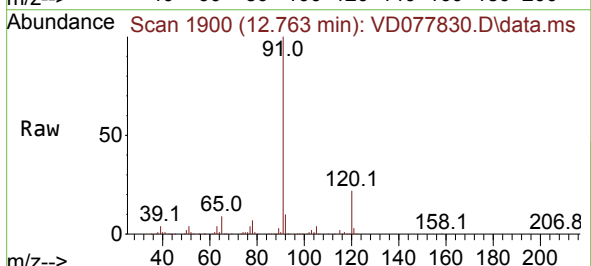
Acq: 11 Dec 2023 23:45

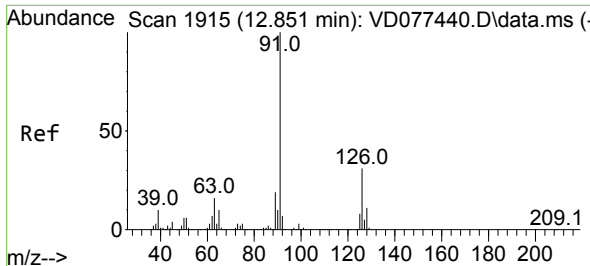
Tgt Ion: 91 Resp: 551854

Ion Ratio Lower Upper

91 100

120 23.4 12.4 37.2

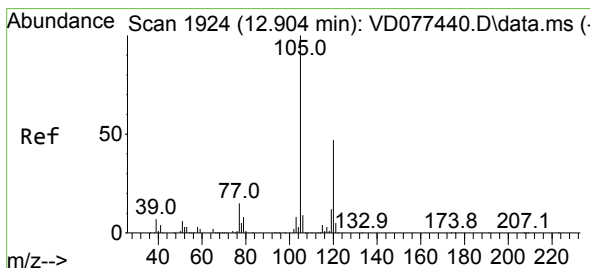
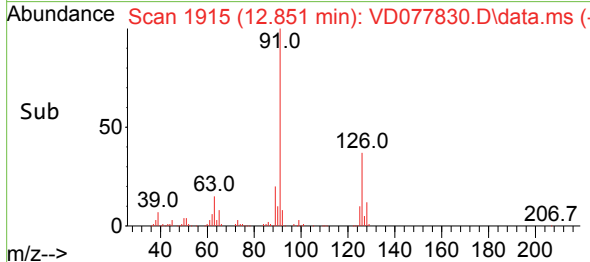
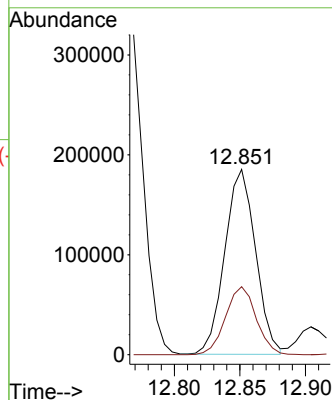
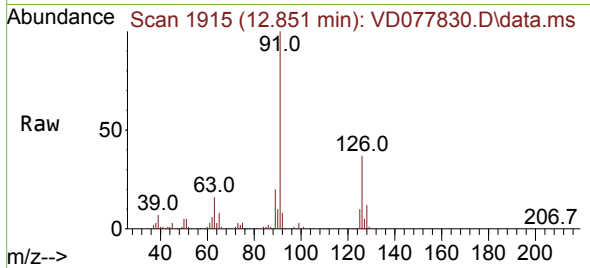




#79  
2-Chlorotoluene  
Concen: 52.563 ug/l  
RT: 12.851 min Scan# 1915  
Delta R.T. 0.000 min  
Lab File: VD077830.D  
Acq: 11 Dec 2023 23:45

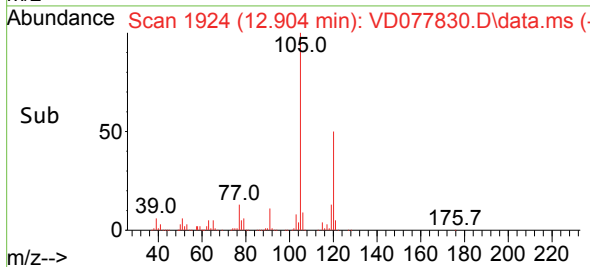
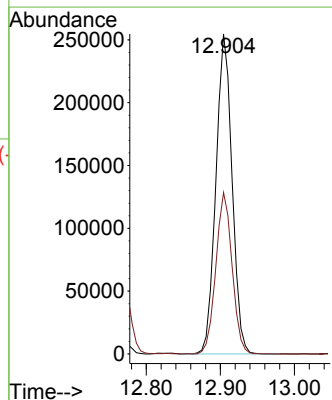
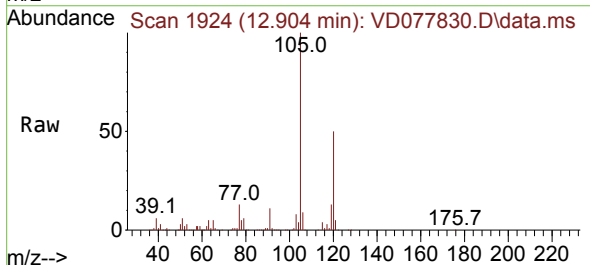
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

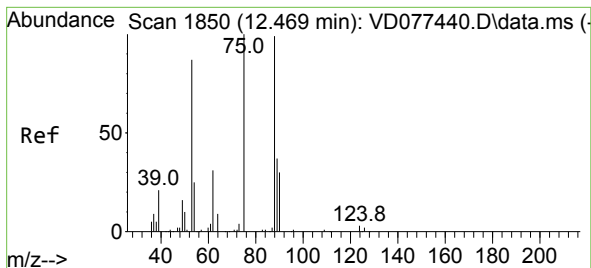
Tgt Ion: 91 Resp: 302737  
Ion Ratio Lower Upper  
91 100  
126 36.6 19.4 58.1



#80  
1,3,5-Trimethylbenzene  
Concen: 52.411 ug/l  
RT: 12.904 min Scan# 1924  
Delta R.T. 0.000 min  
Lab File: VD077830.D  
Acq: 11 Dec 2023 23:45

Tgt Ion: 105 Resp: 385529  
Ion Ratio Lower Upper  
105 100  
120 50.7 26.4 79.2

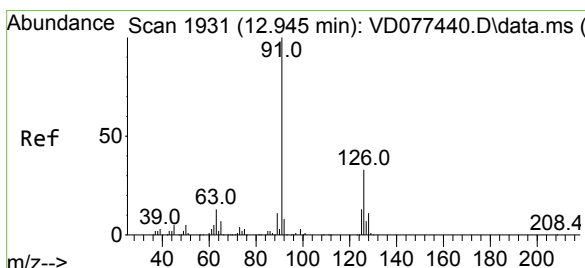
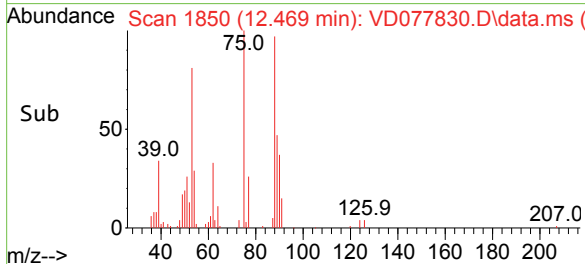
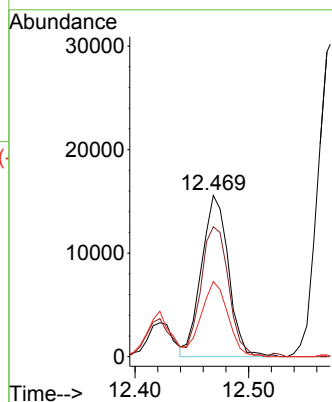
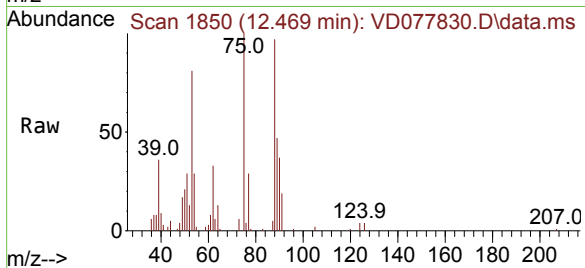




#81  
trans-1,4-Dichloro-2-butene  
Concen: 51.687 ug/l  
RT: 12.469 min Scan# 1850  
Delta R.T. -0.000 min  
Lab File: VD077830.D  
Acq: 11 Dec 2023 23:45

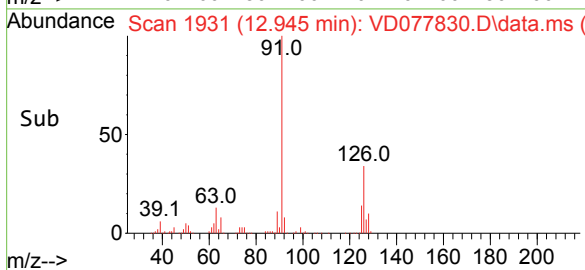
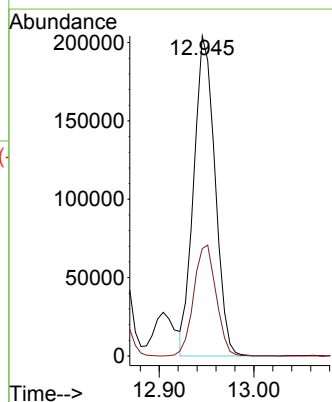
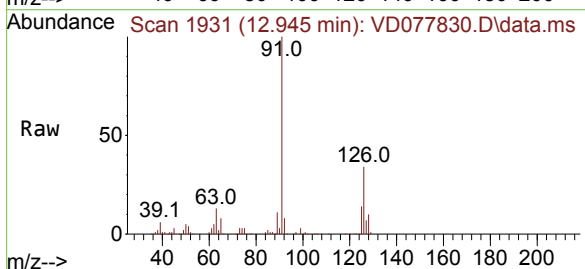
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

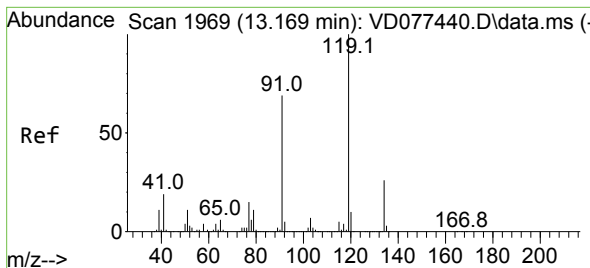
Tgt Ion: 75 Resp: 25783  
Ion Ratio Lower Upper  
75 100  
53 81.6 63.0 94.4  
89 46.7 37.9 56.9



#82  
4-Chlorotoluene  
Concen: 52.958 ug/l  
RT: 12.945 min Scan# 1931  
Delta R.T. 0.000 min  
Lab File: VD077830.D  
Acq: 11 Dec 2023 23:45

Tgt Ion: 91 Resp: 318861  
Ion Ratio Lower Upper  
91 100  
126 36.5 19.4 58.4





#83

tert-Butylbenzene

Concen: 53.157 ug/l

RT: 13.169 min Scan# 1969

Delta R.T. -0.000 min

Lab File: VD077830.D

Acq: 11 Dec 2023 23:45

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

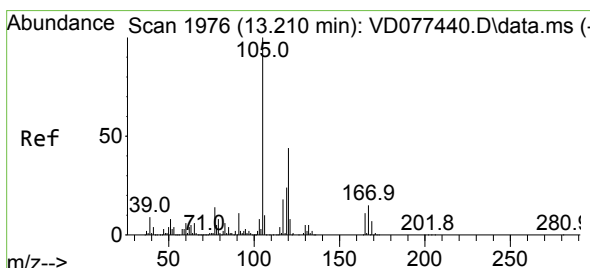
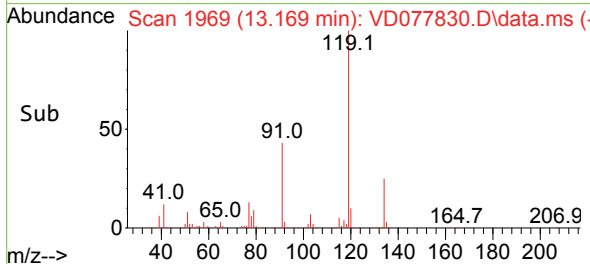
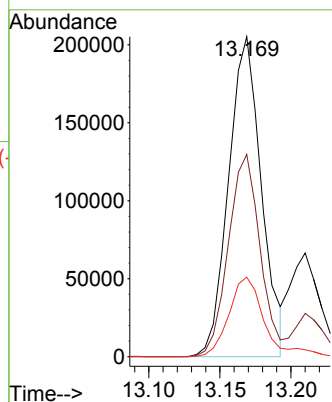
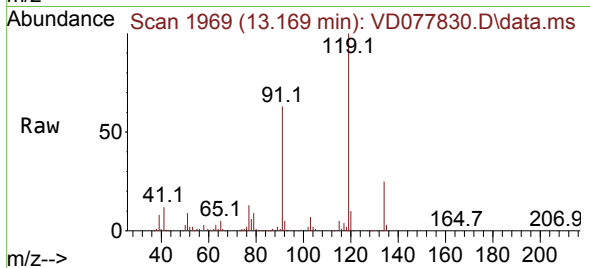
Tgt Ion:119 Resp: 330109

Ion Ratio Lower Upper

119 100

91 61.0 29.3 87.8

134 26.9 14.1 42.3



#84

1,2,4-Trimethylbenzene

Concen: 53.120 ug/l

RT: 13.210 min Scan# 1976

Delta R.T. 0.000 min

Lab File: VD077830.D

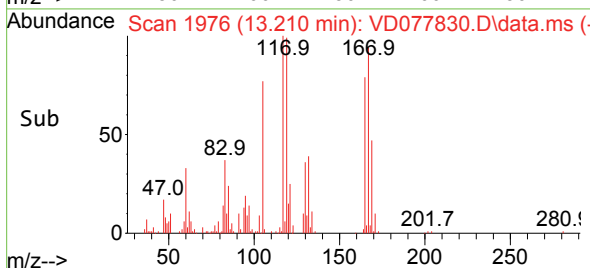
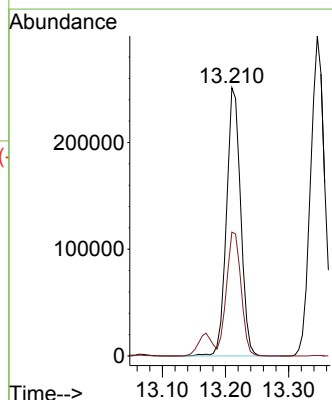
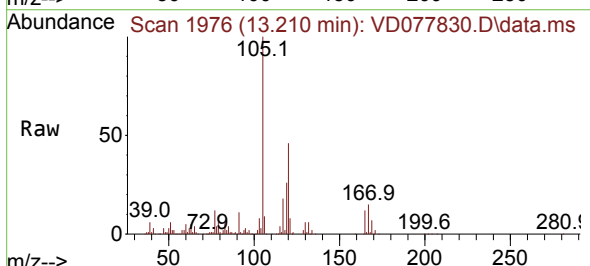
Acq: 11 Dec 2023 23:45

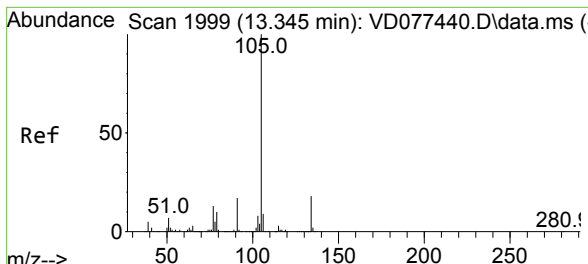
Tgt Ion:105 Resp: 390818

Ion Ratio Lower Upper

105 100

120 47.5 24.3 72.9

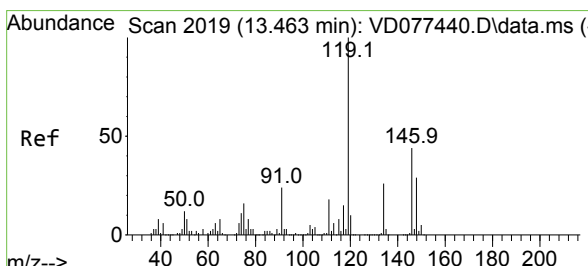
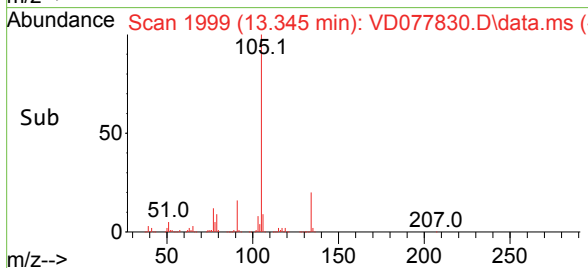
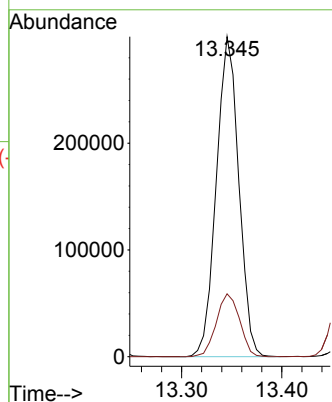
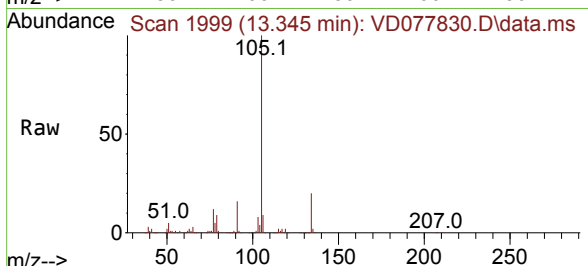




#85  
 sec-Butylbenzene  
 Concen: 50.738 ug/l  
 RT: 13.345 min Scan# 1999  
 Delta R.T. 0.000 min  
 Lab File: VD077830.D  
 Acq: 11 Dec 2023 23:45

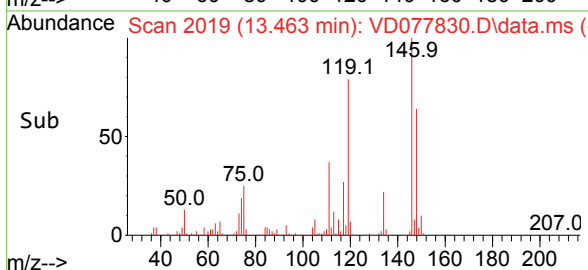
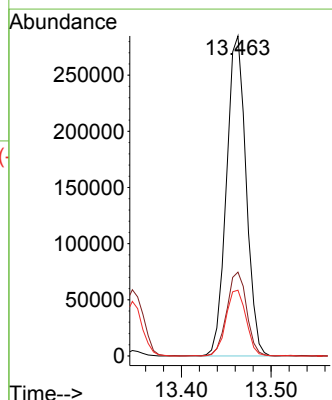
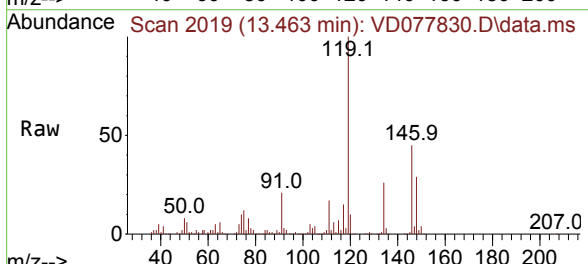
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

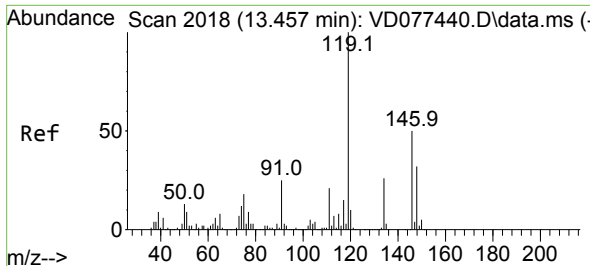
Tgt Ion:105 Resp: 465746  
 Ion Ratio Lower Upper  
 105 100  
 134 20.4 10.9 32.9



#86  
 p-Isopropyltoluene  
 Concen: 52.651 ug/l  
 RT: 13.463 min Scan# 2019  
 Delta R.T. 0.000 min  
 Lab File: VD077830.D  
 Acq: 11 Dec 2023 23:45

Tgt Ion:119 Resp: 432721  
 Ion Ratio Lower Upper  
 119 100  
 134 26.6 14.2 42.6  
 91 21.2 10.5 31.5

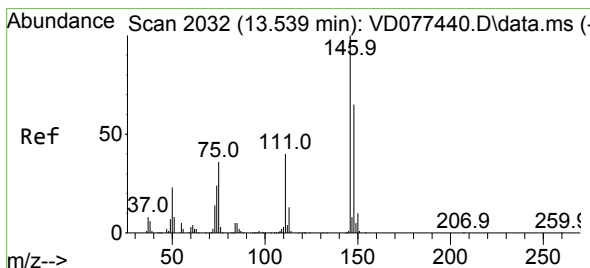
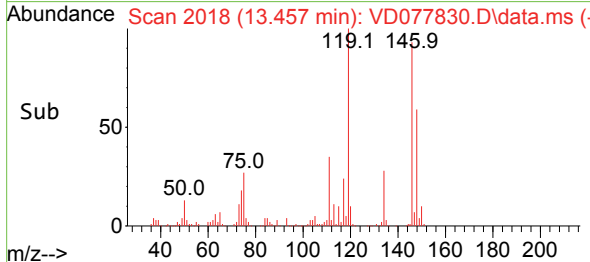
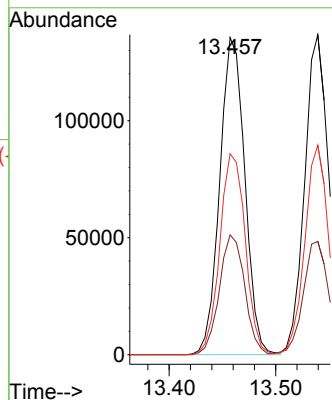
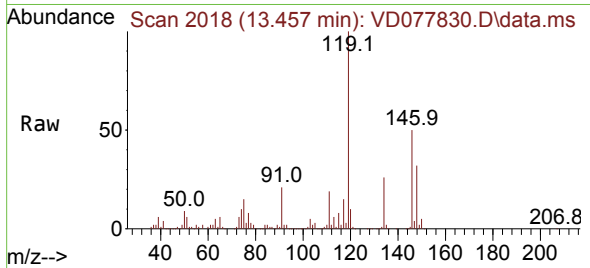




#87  
 1,3-Dichlorobenzene  
 Concen: 52.255 ug/l  
 RT: 13.457 min Scan# 2018  
 Delta R.T. 0.000 min  
 Lab File: VD077830.D  
 Acq: 11 Dec 2023 23:45

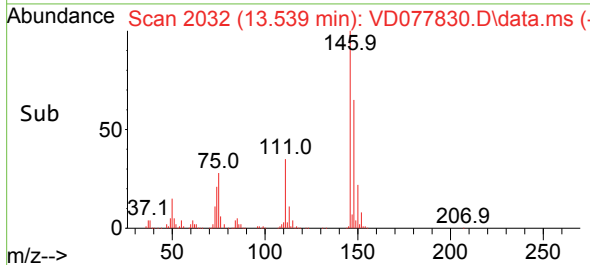
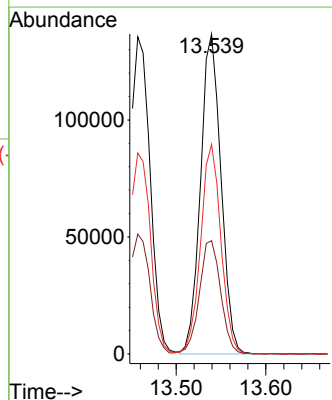
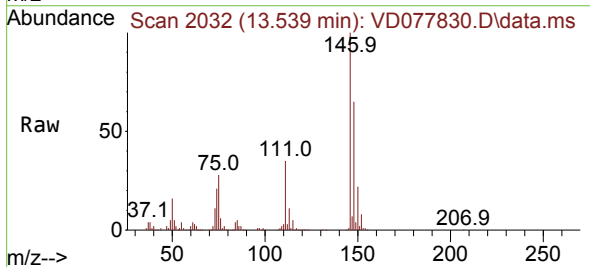
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

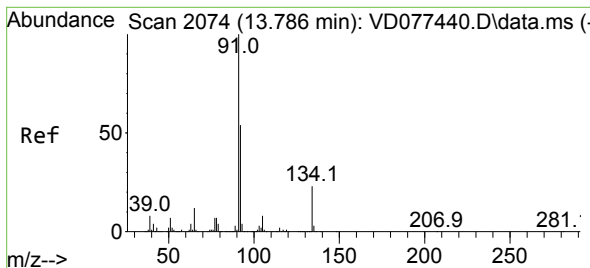
Tgt Ion:146 Resp: 221682  
 Ion Ratio Lower Upper  
 146 100  
 111 38.3 17.9 53.8  
 148 64.3 32.3 96.8



#88  
 1,4-Dichlorobenzene  
 Concen: 51.175 ug/l  
 RT: 13.539 min Scan# 2032  
 Delta R.T. 0.000 min  
 Lab File: VD077830.D  
 Acq: 11 Dec 2023 23:45

Tgt Ion:146 Resp: 216536  
 Ion Ratio Lower Upper  
 146 100  
 111 37.0 17.4 52.3  
 148 65.0 31.7 95.1





#89

n-Butylbenzene

Concen: 51.118 ug/l

RT: 13.787 min Scan# 2074

Delta R.T. 0.001 min

Lab File: VD077830.D

Acq: 11 Dec 2023 23:45

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

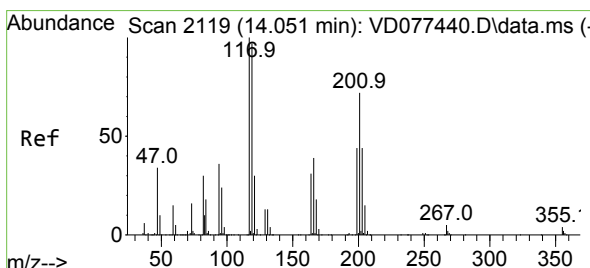
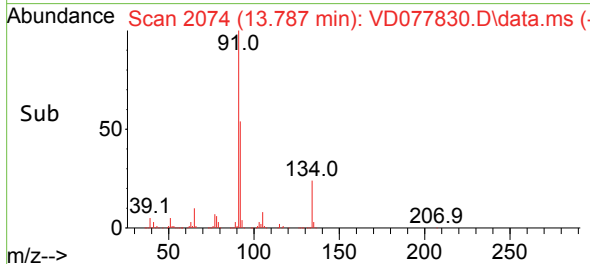
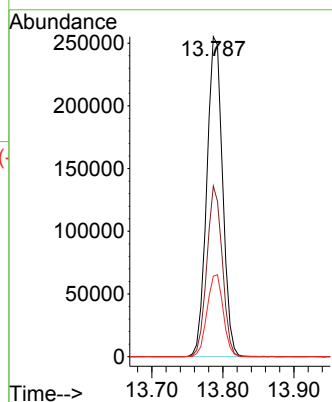
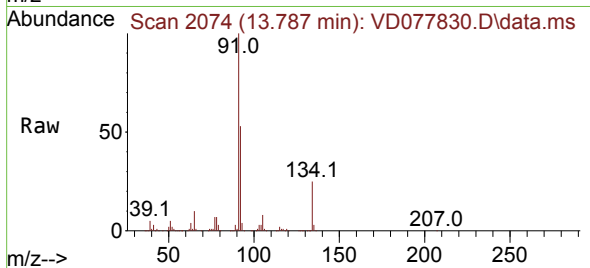
Tgt Ion: 91 Resp: 395313

Ion Ratio Lower Upper

91 100

92 52.0 26.5 79.5

134 26.1 13.8 41.3



#90

Hexachloroethane

Concen: 53.660 ug/l

RT: 14.057 min Scan# 2120

Delta R.T. 0.006 min

Lab File: VD077830.D

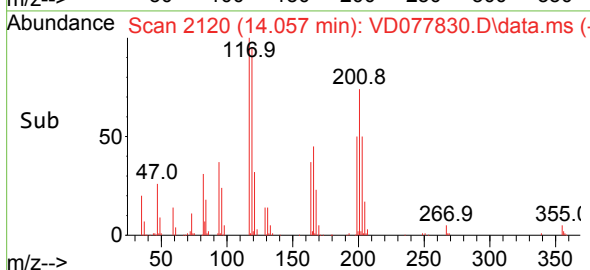
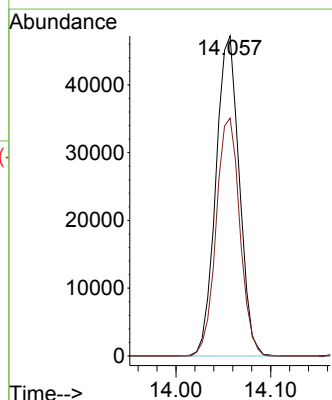
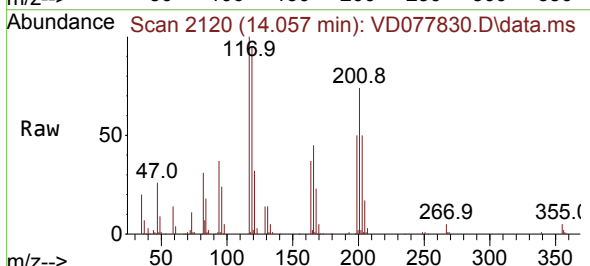
Acq: 11 Dec 2023 23:45

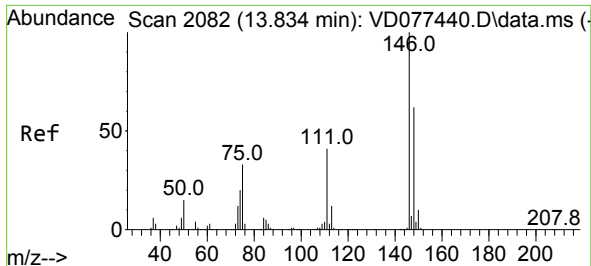
Tgt Ion: 117 Resp: 81105

Ion Ratio Lower Upper

117 100

201 75.2 38.5 115.5

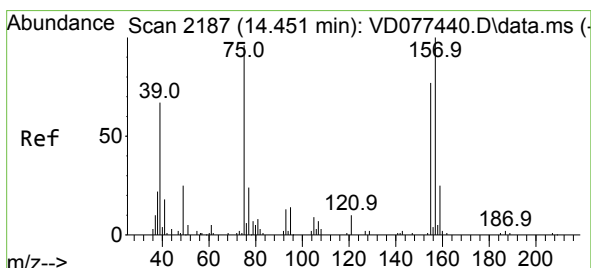
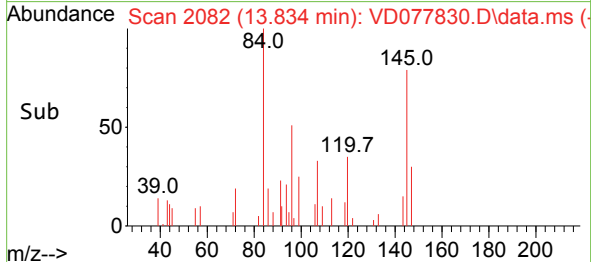
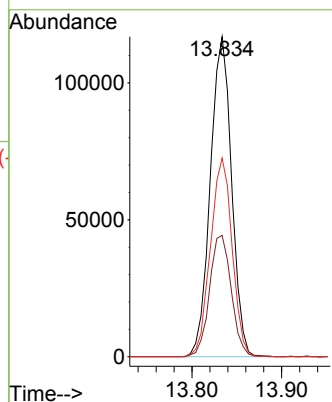
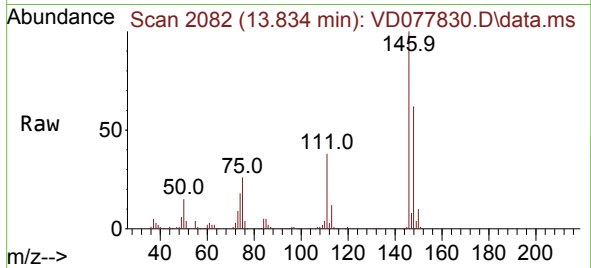




#91  
1,2-Dichlorobenzene  
Concen: 53.326 ug/l  
RT: 13.834 min Scan# 2082  
Delta R.T. -0.000 min  
Lab File: VD077830.D  
Acq: 11 Dec 2023 23:45

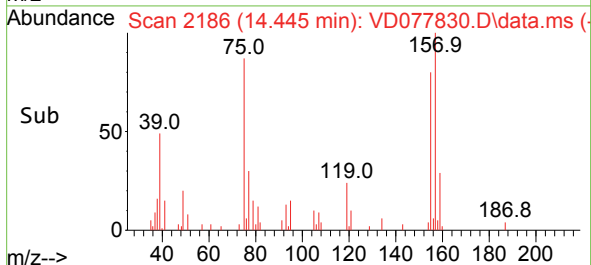
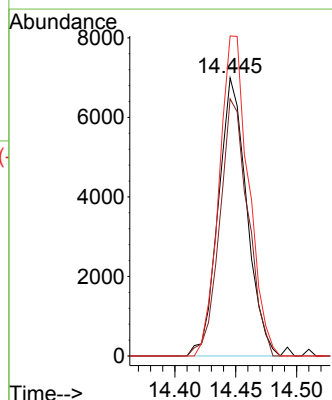
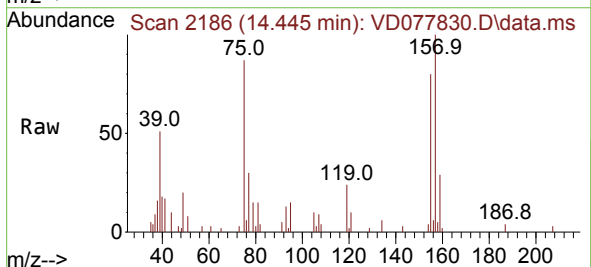
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MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

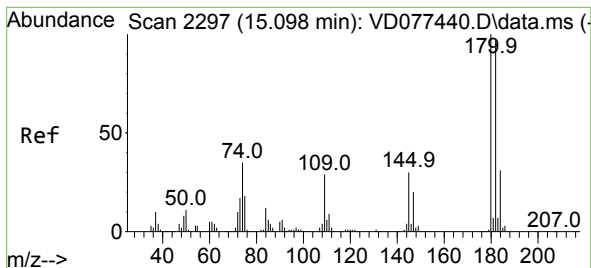
Tgt Ion:146 Resp: 192400  
Ion Ratio Lower Upper  
146 100  
111 38.7 18.3 54.8  
148 63.2 31.6 94.7



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 50.997 ug/l  
RT: 14.445 min Scan# 2186  
Delta R.T. -0.006 min  
Lab File: VD077830.D  
Acq: 11 Dec 2023 23:45

Tgt Ion: 75 Resp: 11356  
Ion Ratio Lower Upper  
75 100  
155 92.0 47.9 143.8  
157 119.2 59.9 179.7





#93

1,2,4-Trichlorobenzene

Concen: 50.259 ug/l

RT: 15.098 min Scan# 21

Delta R.T. 0.000 min

Lab File: VD077830.D

Acq: 11 Dec 2023 23:45

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

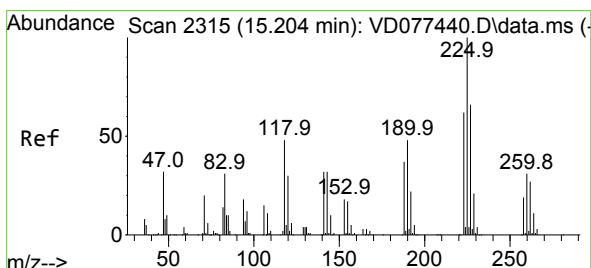
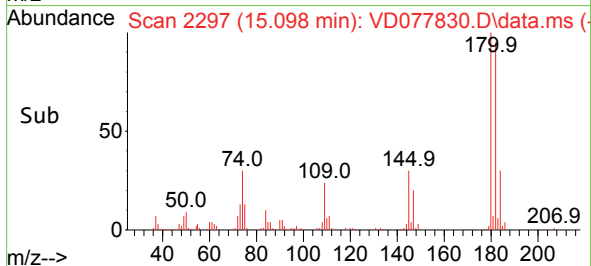
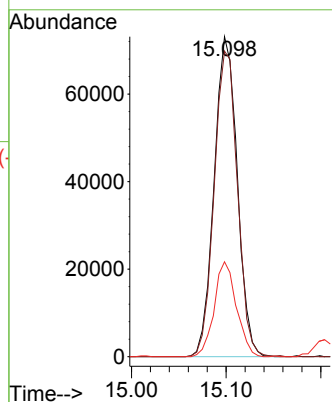
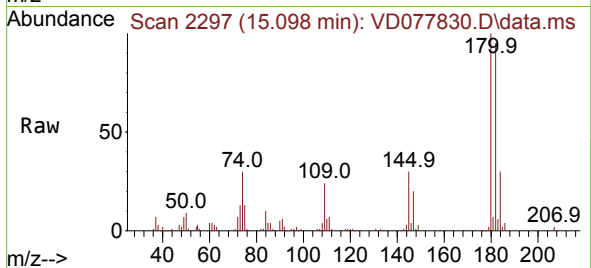
Tgt Ion:180 Resp: 123862

Ion Ratio Lower Upper

180 100

182 96.2 48.5 145.6

145 28.5 14.2 42.6



#94

Hexachlorobutadiene

Concen: 49.358 ug/l

RT: 15.204 min Scan# 2315

Delta R.T. 0.000 min

Lab File: VD077830.D

Acq: 11 Dec 2023 23:45

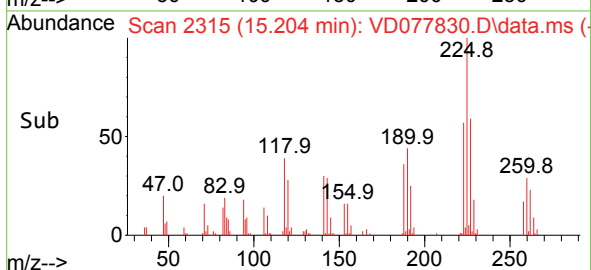
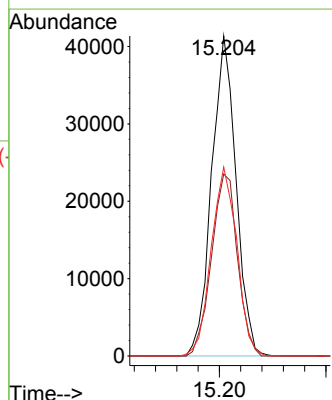
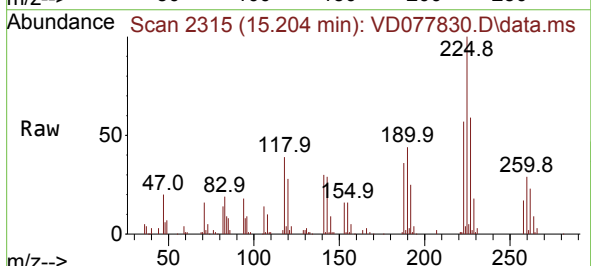
Tgt Ion:225 Resp: 65594

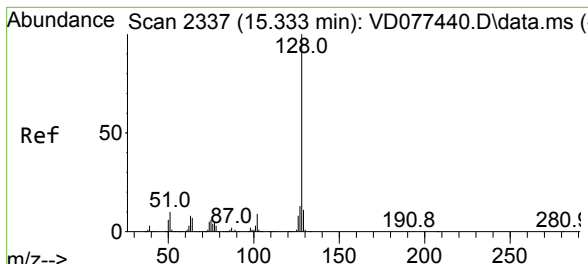
Ion Ratio Lower Upper

225 100

223 60.6 31.6 94.8

227 62.2 31.7 95.1

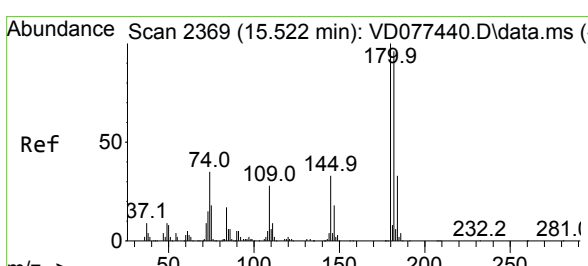
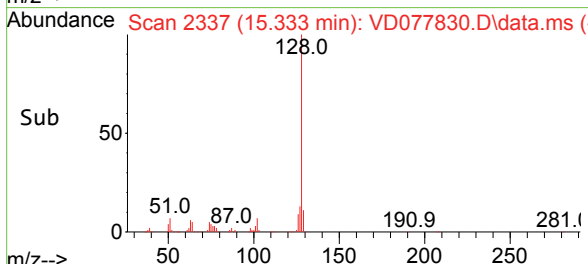
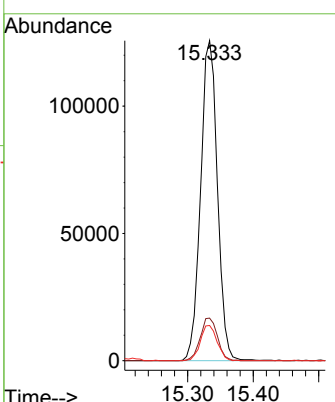
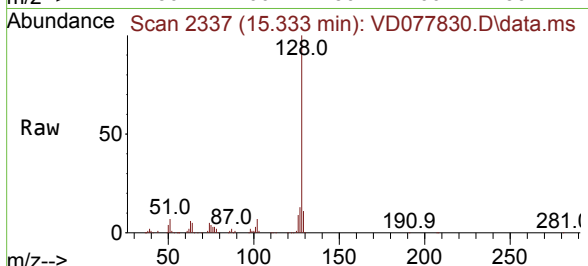




#95  
 Naphthalene  
 Concen: 54.765 ug/l  
 RT: 15.333 min Scan# 2337  
 Delta R.T. 0.000 min  
 Lab File: VD077830.D  
 Acq: 11 Dec 2023 23:45

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 128   | Resp: | 224246 |
| Ion      | Ratio | Lower | Upper  |
| 128      | 100   |       |        |
| 127      | 13.3  | 10.5  | 15.7   |
| 129      | 11.0  | 8.7   | 13.1   |



#96  
 1,2,3-Trichlorobenzene  
 Concen: 52.092 ug/l  
 RT: 15.522 min Scan# 2369  
 Delta R.T. -0.000 min  
 Lab File: VD077830.D  
 Acq: 11 Dec 2023 23:45

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 180   | Resp: | 105837 |
| Ion      | Ratio | Lower | Upper  |
| 180      | 100   |       |        |
| 182      | 96.4  | 47.3  | 141.9  |
| 145      | 30.0  | 15.1  | 45.3   |

