

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD081423\  
 Data File : VD077013.D  
 Acq On : 14 Aug 2023 20:55  
 Operator : JC/SY  
 Sample : VSTDCCC050  
 Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: Aug 15 04:52:16 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D080823S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 09 07:25:36 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.875  | 168  | 152936   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.775  | 114  | 265227   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.581 | 117  | 259261   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.516 | 152  | 135569   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 8.228  | 65    | 60915    | 50.491   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 100.980% |      |
| 35) Dibromofluoromethane    | 7.798  | 113   | 74954    | 52.566   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 105.140% |      |
| 50) Toluene-d8              | 10.269 | 98    | 226917   | 49.547   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | = 99.100%  |      |
| 62) 4-Bromofluorobenzene    | 12.575 | 95    | 86136    | 53.800   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | = 107.600% |      |

|                              |       |     |        |         |        |     |
|------------------------------|-------|-----|--------|---------|--------|-----|
| Target Compounds             |       |     |        |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.928 | 85  | 35437  | 44.474  | ug/l   | 96  |
| 3) Chloromethane             | 2.146 | 50  | 62537  | 48.204  | ug/l   | 100 |
| 4) Vinyl Chloride            | 2.275 | 62  | 84890  | 44.406  | ug/l   | 99  |
| 5) Bromomethane              | 2.675 | 94  | 65354  | 37.799  | ug/l   | 98  |
| 6) Chloroethane              | 2.822 | 64  | 70388  | 44.818  | ug/l   | 97  |
| 7) Trichlorofluoromethane    | 3.158 | 101 | 95599  | 45.906  | ug/l   | 90  |
| 8) Diethyl Ether             | 3.587 | 74  | 32955  | 49.181  | ug/l   | 94  |
| 9) 1,1,2-Trichlorotrifluo... | 3.952 | 101 | 67467  | 47.308  | ug/l   | 98  |
| 10) Methyl Iodide            | 4.152 | 142 | 63868  | 46.503  | ug/l # | 88  |
| 11) Tert butyl alcohol       | 5.052 | 59  | 25653  | 326.488 | ug/l   | 99  |
| 12) 1,1-Dichloroethene       | 3.928 | 96  | 52314  | 44.696  | ug/l   | 97  |
| 13) Acrolein                 | 3.793 | 56  | 5076   | 169.344 | ug/l   | 98  |
| 14) Allyl chloride           | 4.557 | 41  | 66010  | 45.921  | ug/l   | 95  |
| 15) Acrylonitrile            | 5.252 | 53  | 95832  | 287.606 | ug/l   | 99  |
| 16) Acetone                  | 4.022 | 43  | 68697  | 276.051 | ug/l   | 94  |
| 17) Carbon Disulfide         | 4.257 | 76  | 83027  | 41.905  | ug/l   | 96  |
| 18) Methyl Acetate           | 4.569 | 43  | 62836  | 55.777  | ug/l   | 97  |
| 19) Methyl tert-butyl Ether  | 5.316 | 73  | 179683 | 54.386  | ug/l   | 96  |
| 20) Methylene Chloride       | 4.793 | 84  | 95858  | 57.070  | ug/l   | 88  |
| 21) trans-1,2-Dichloroethene | 5.305 | 96  | 63609  | 47.577  | ug/l   | 99  |
| 22) Diisopropyl ether        | 6.216 | 45  | 201608 | 53.688  | ug/l   | 98  |
| 23) Vinyl Acetate            | 6.152 | 43  | 476719 | 270.680 | ug/l   | 97  |
| 24) 1,1-Dichloroethane       | 6.104 | 63  | 131524 | 49.002  | ug/l   | 98  |
| 25) 2-Butanone               | 7.081 | 43  | 108951 | 269.984 | ug/l   | 88  |
| 26) 2,2-Dichloropropane      | 7.075 | 77  | 104836 | 43.019  | ug/l   | 99  |
| 27) cis-1,2-Dichloroethene   | 7.075 | 96  | 89798  | 48.947  | ug/l   | 98  |
| 28) Bromochloromethane       | 7.416 | 49  | 71019  | 55.363  | ug/l   | 95  |
| 29) Tetrahydrofuran          | 7.440 | 42  | 63636  | 282.395 | ug/l   | 99  |
| 30) Chloroform               | 7.593 | 83  | 160479 | 52.407  | ug/l   | 100 |
| 31) Cyclohexane              | 7.875 | 56  | 68746  | 47.483  | ug/l   | 94  |
| 32) 1,1,1-Trichloroethane    | 7.787 | 97  | 128405 | 51.094  | ug/l   | 98  |
| 36) 1,1-Dichloropropene      | 8.004 | 75  | 86136  | 48.851  | ug/l   | 97  |
| 37) Ethyl Acetate            | 7.169 | 43  | 49472  | 60.804  | ug/l   | 95  |
| 38) Carbon Tetrachloride     | 7.987 | 117 | 97630  | 51.733  | ug/l   | 93  |
| 39) Methylcyclohexane        | 9.275 | 83  | 89098  | 47.693  | ug/l   | 99  |
| 40) Benzene                  | 8.246 | 78  | 288859 | 50.949  | ug/l   | 99  |

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 ALS Vial : 26 Sample Multiplier: 1

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 ClientSampleId :  
 VSTDCCC050EC

Quant Time: Aug 15 04:52:16 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D080823S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 09 07:25:36 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.399  | 41   | 27010    | 61.522   | ug/l # | 86       |
| 42) 1,2-Dichloroethane        | 8.322  | 62   | 87218    | 57.070   | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.357  | 43   | 90659    | 59.295   | ug/l # | 80       |
| 44) Trichloroethene           | 9.028  | 130  | 80341    | 51.327   | ug/l   | 90       |
| 45) 1,2-Dichloropropane       | 9.304  | 63   | 81341    | 53.238   | ug/l   | 99       |
| 46) Dibromomethane            | 9.393  | 93   | 51060    | 55.926   | ug/l   | 92       |
| 47) Bromodichloromethane      | 9.581  | 83   | 128417   | 54.832   | ug/l # | 99       |
| 48) Methyl methacrylate       | 9.381  | 41   | 37867    | 56.323   | ug/l # | 88       |
| 49) 1,4-Dioxane               | 9.381  | 88   | 12961    | 1214.565 | ug/l   | 90       |
| 51) 4-Methyl-2-Pentanone      | 10.157 | 43   | 260247   | 308.368  | ug/l   | 93       |
| 52) Toluene                   | 10.334 | 92   | 192103   | 51.592   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.551 | 75   | 110329   | 53.999   | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 10.016 | 75   | 124282   | 52.447   | ug/l # | 89       |
| 55) 1,1,2-Trichloroethane     | 10.734 | 97   | 77003    | 56.833   | ug/l   | 94       |
| 56) Ethyl methacrylate        | 10.598 | 69   | 84043    | 59.846   | ug/l # | 92       |
| 57) 1,3-Dichloropropane       | 10.881 | 76   | 115883   | 55.053   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.869  | 63   | 136748   | 259.037  | ug/l   | 100      |
| 59) 2-Hexanone                | 10.922 | 43   | 176675   | 307.539  | ug/l   | 92       |
| 60) Dibromochloromethane      | 11.075 | 129  | 94365    | 57.750   | ug/l   | 96       |
| 61) 1,2-Dibromoethane         | 11.181 | 107  | 67722    | 56.206   | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.810 | 164  | 68964    | 52.843   | ug/l   | 93       |
| 65) Chlorobenzene             | 11.610 | 112  | 229842   | 50.111   | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.681 | 131  | 96272    | 53.191   | ug/l   | 97       |
| 67) Ethyl Benzene             | 11.681 | 91   | 391829   | 50.635   | ug/l   | 100      |
| 68) m/p-Xylenes               | 11.792 | 106  | 309438   | 102.959  | ug/l   | 94       |
| 69) o-Xylene                  | 12.122 | 106  | 151994   | 52.735   | ug/l   | 94       |
| 70) Styrene                   | 12.134 | 104  | 272095   | 52.955   | ug/l   | 98       |
| 71) Bromoform                 | 12.298 | 173  | 59309    | 59.109   | ug/l # | 96       |
| 73) Isopropylbenzene          | 12.422 | 105  | 401807   | 47.099   | ug/l   | 96       |
| 74) N-amyl acetate            | 12.234 | 43   | 88288    | 51.944   | ug/l   | 94       |
| 75) 1,1,2,2-Tetrachloroethane | 12.675 | 83   | 97348    | 51.786   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.722 | 75   | 109848   | 86.374   | ug/l # | 100      |
| 77) Bromobenzene              | 12.698 | 156  | 100518   | 48.422   | ug/l   | 94       |
| 78) n-propylbenzene           | 12.763 | 91   | 484385   | 46.676   | ug/l   | 97       |
| 79) 2-Chlorotoluene           | 12.851 | 91   | 268609   | 47.079   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 336615   | 48.611   | ug/l   | 96       |
| 81) trans-1,4-Dichloro-2-b... | 12.469 | 75   | 26404    | 48.778   | ug/l   | 97       |
| 82) 4-Chlorotoluene           | 12.945 | 91   | 284158   | 47.586   | ug/l   | 97       |
| 83) tert-Butylbenzene         | 13.163 | 119  | 307062   | 48.359   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.210 | 105  | 344512   | 48.826   | ug/l   | 95       |
| 85) sec-Butylbenzene          | 13.345 | 105  | 457694   | 47.715   | ug/l   | 97       |
| 86) p-Isopropyltoluene        | 13.457 | 119  | 380882   | 48.075   | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.457 | 146  | 212067   | 49.249   | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.539 | 146  | 211584   | 49.286   | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.786 | 91   | 358355   | 47.485   | ug/l   | 97       |
| 90) Hexachloroethane          | 14.051 | 117  | 79371    | 49.577   | ug/l   | 91       |
| 91) 1,2-Dichlorobenzene       | 13.833 | 146  | 188011   | 49.110   | ug/l   | 96       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.445 | 75   | 14023    | 54.866   | ug/l   | 97       |
| 93) 1,2,4-Trichlorobenzene    | 15.098 | 180  | 115789   | 48.901   | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.204 | 225  | 57468    | 48.514   | ug/l   | 99       |
| 95) Naphthalene               | 15.333 | 128  | 255699   | 53.096   | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene    | 15.522 | 180  | 106885   | 50.629   | ug/l   | 98       |

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Quant Title : SW846 8260  
QLast Update : Wed Aug 09 07:25:36 2023  
Response via : Initial Calibration

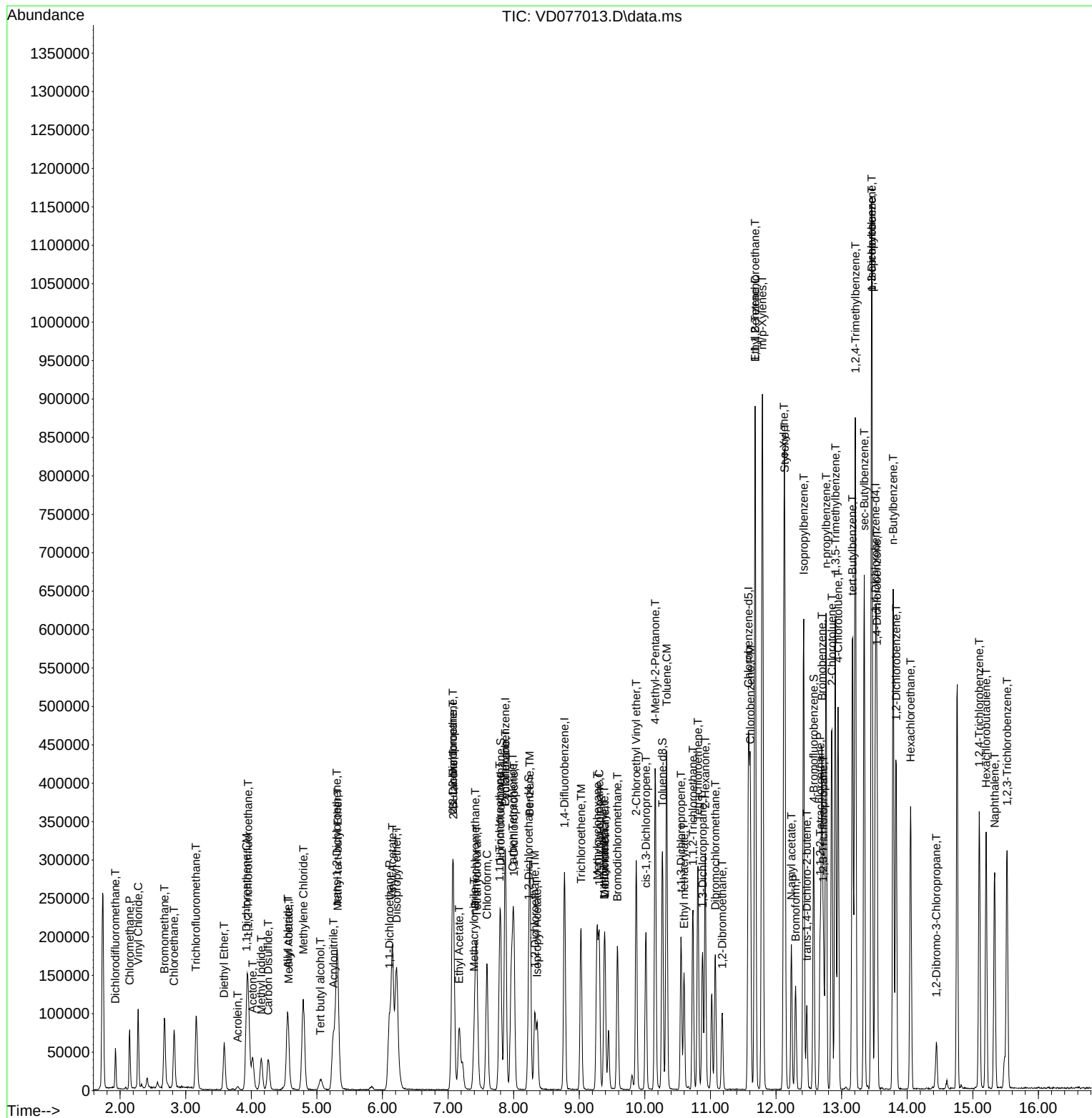
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

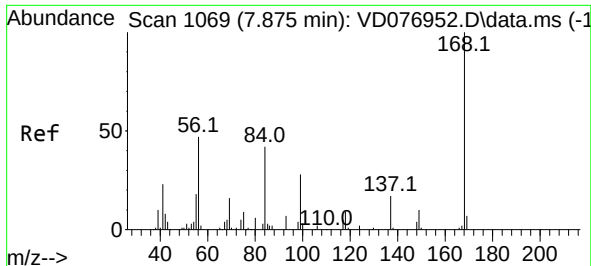
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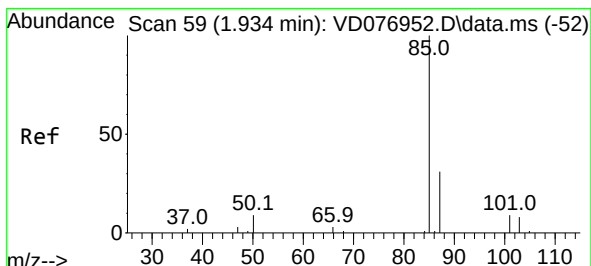
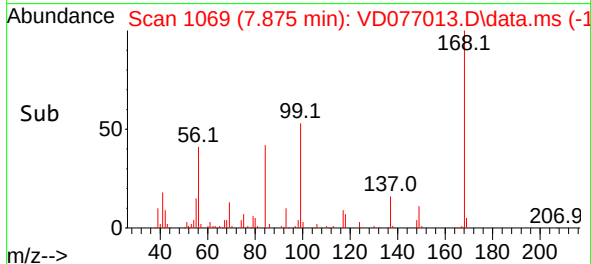
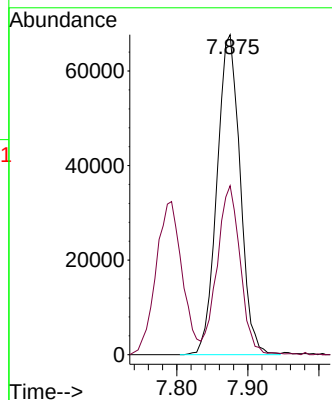
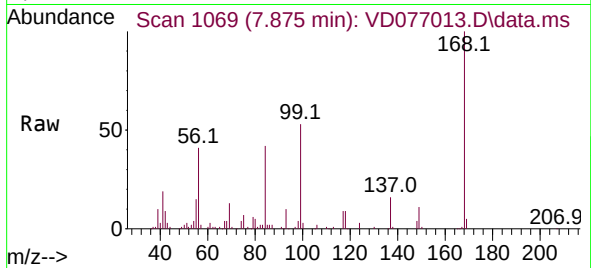




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. -0.000 min  
Lab File: VD077013.D  
Acq: 14 Aug 2023 20:55

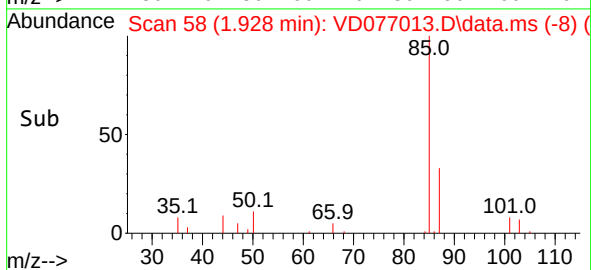
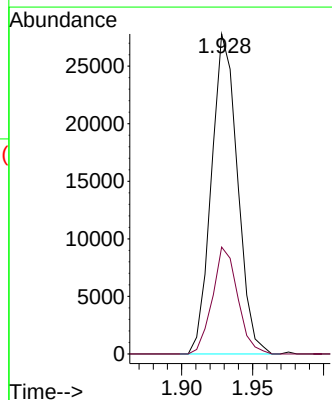
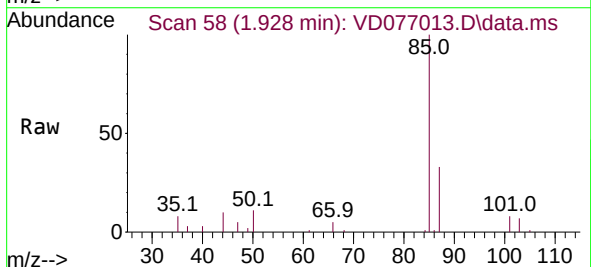
Instrument :  
MSVOA\_D  
ClientSampleId :  
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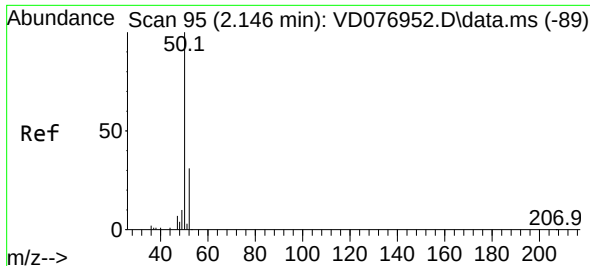
Tgt Ion:168 Resp: 152936  
Ion Ratio Lower Upper  
168 100  
99 52.4 36.7 55.1



#2  
Dichlorodifluoromethane  
Concen: 44.474 ug/l  
RT: 1.928 min Scan# 58  
Delta R.T. -0.006 min  
Lab File: VD077013.D  
Acq: 14 Aug 2023 20:55

Tgt Ion: 85 Resp: 35437  
Ion Ratio Lower Upper  
85 100  
87 33.4 15.7 47.0

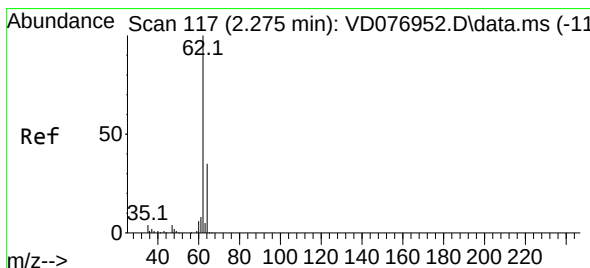
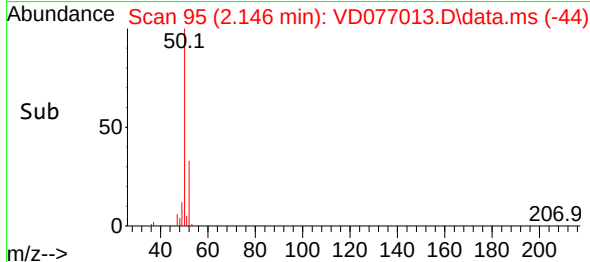
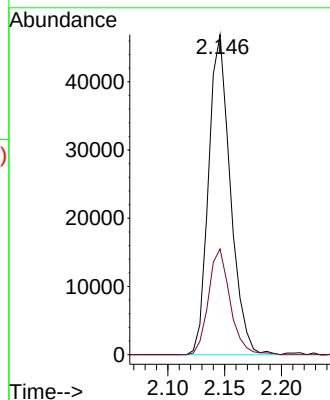
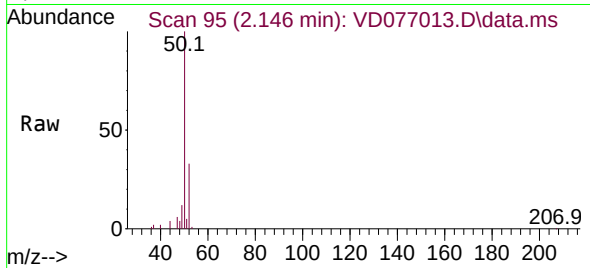




#3  
Chloromethane  
Concen: 48.204 ug/l  
RT: 2.146 min Scan# 95  
Delta R.T. -0.000 min  
Lab File: VD077013.D  
Acq: 14 Aug 2023 20:55

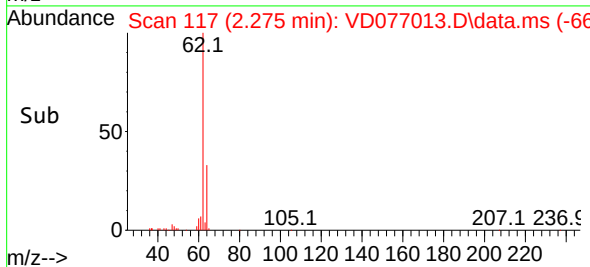
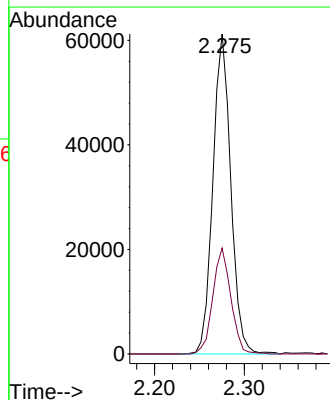
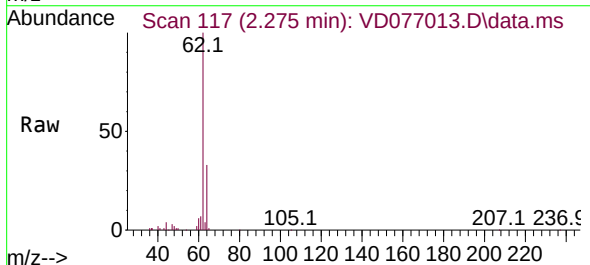
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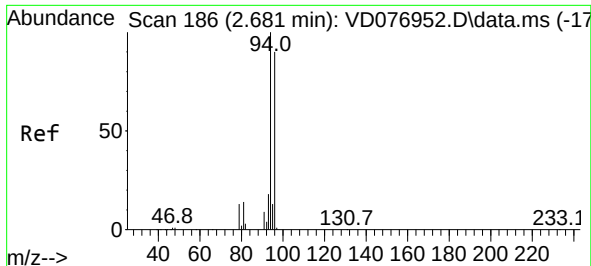
Tgt Ion: 50 Resp: 62537  
Ion Ratio Lower Upper  
50 100  
52 33.0 26.6 40.0



#4  
Vinyl Chloride  
Concen: 44.406 ug/l  
RT: 2.275 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VD077013.D  
Acq: 14 Aug 2023 20:55

Tgt Ion: 62 Resp: 84890  
Ion Ratio Lower Upper  
62 100  
64 33.1 26.0 39.0

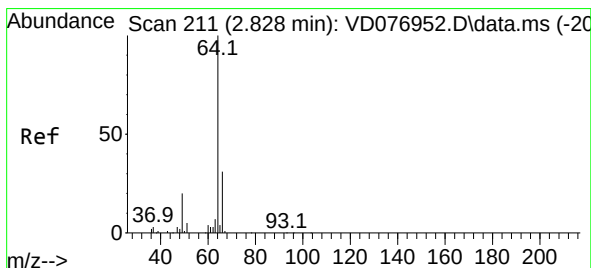
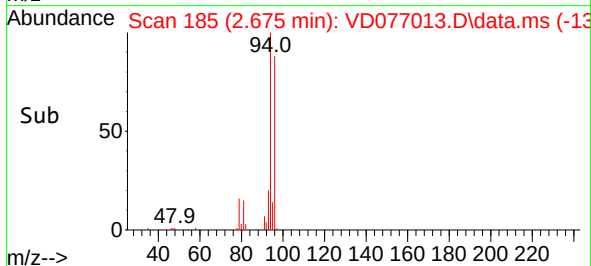
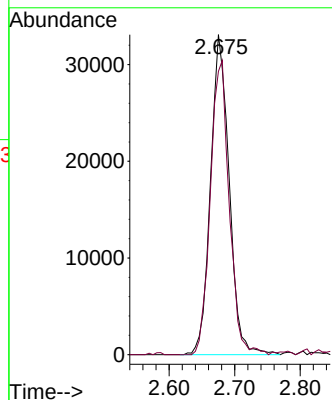
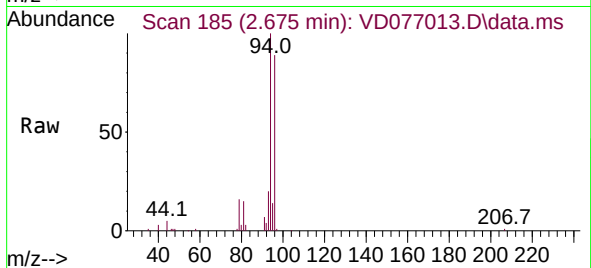




#5  
Bromomethane  
Concen: 37.799 ug/l  
RT: 2.675 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VD077013.D  
Acq: 14 Aug 2023 20:55

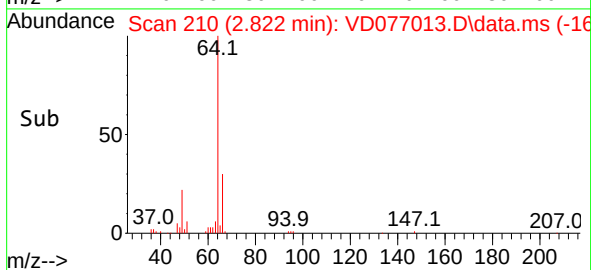
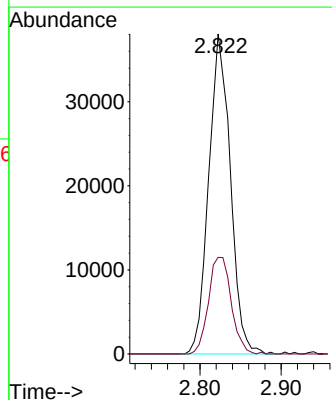
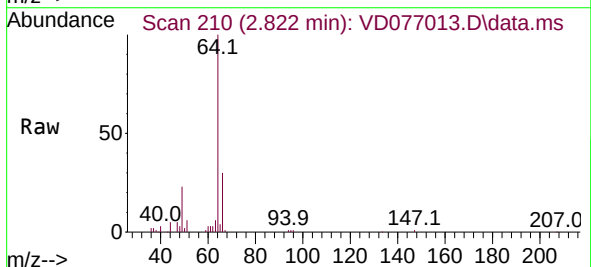
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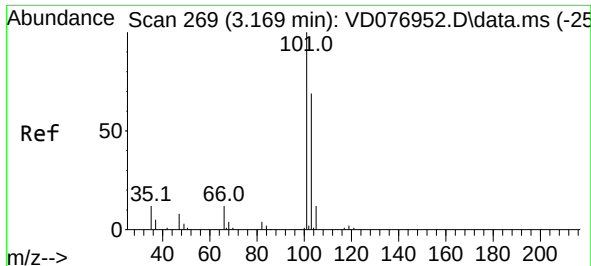
Tgt Ion: 94 Resp: 65354  
Ion Ratio Lower Upper  
94 100  
96 93.0 75.8 113.8



#6  
Chloroethane  
Concen: 44.818 ug/l  
RT: 2.822 min Scan# 210  
Delta R.T. -0.006 min  
Lab File: VD077013.D  
Acq: 14 Aug 2023 20:55

Tgt Ion: 64 Resp: 70388  
Ion Ratio Lower Upper  
64 100  
66 30.2 25.5 38.3

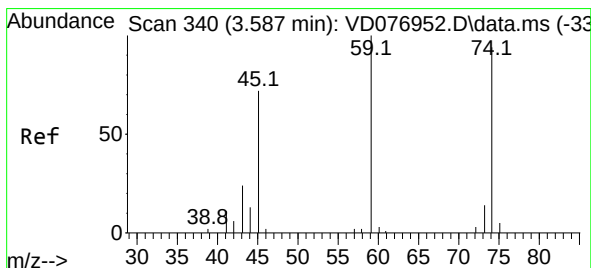
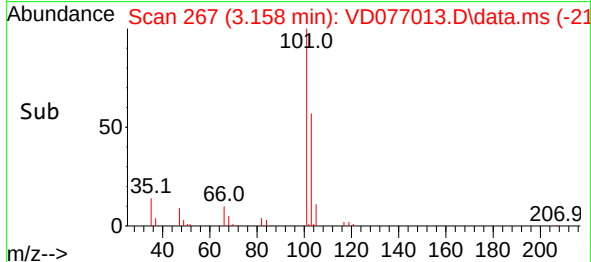
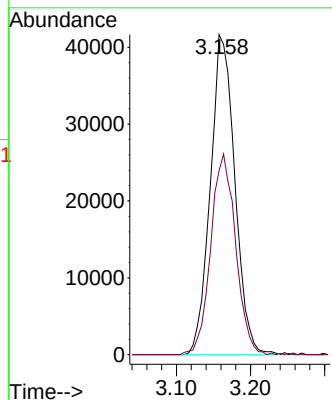
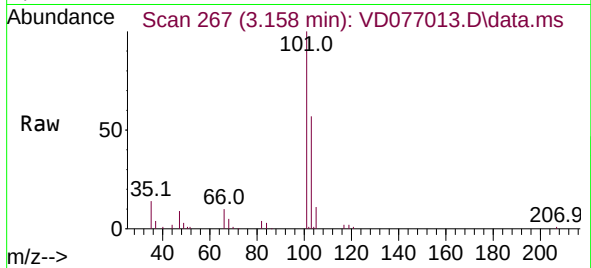




#7  
 Trichlorofluoromethane  
 Concen: 45.906 ug/l  
 RT: 3.158 min Scan# 20  
 Delta R.T. -0.011 min  
 Lab File: VD077013.D  
 Acq: 14 Aug 2023 20:55

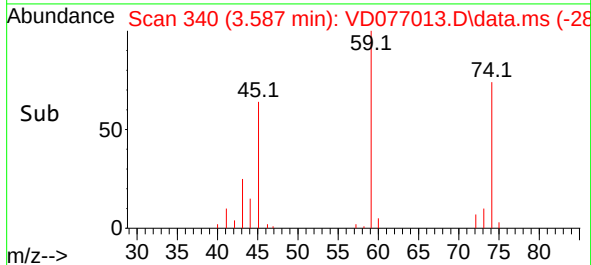
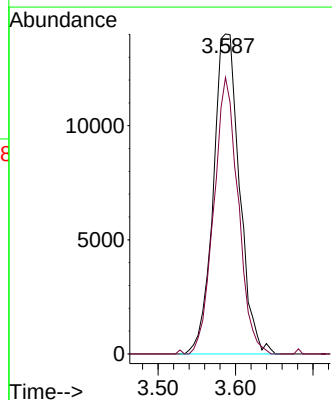
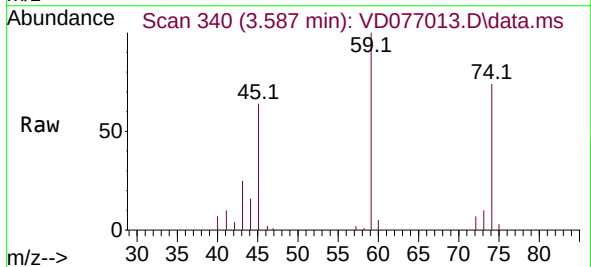
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

Tgt Ion:101 Resp: 95599  
 Ion Ratio Lower Upper  
 101 100  
 103 57.5 52.3 78.5

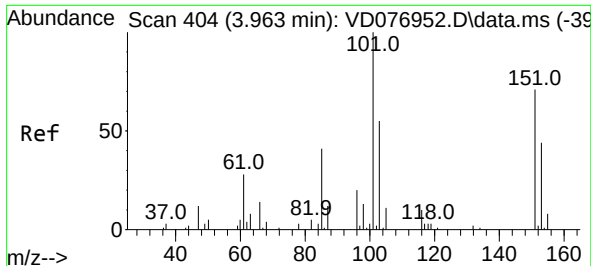


#8  
 Diethyl Ether  
 Concen: 49.181 ug/l  
 RT: 3.587 min Scan# 340  
 Delta R.T. -0.000 min  
 Lab File: VD077013.D  
 Acq: 14 Aug 2023 20:55

Tgt Ion: 74 Resp: 32955  
 Ion Ratio Lower Upper  
 74 100  
 45 80.2 37.5 112.7



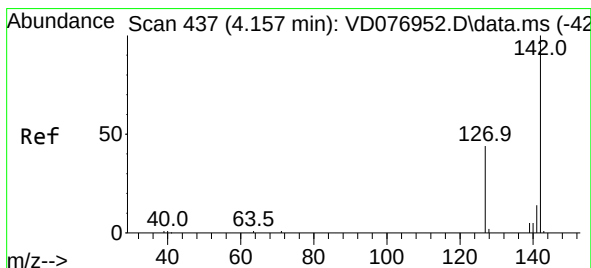
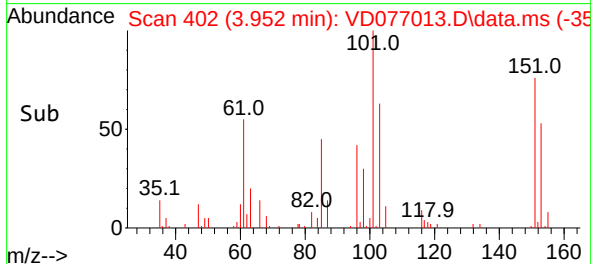
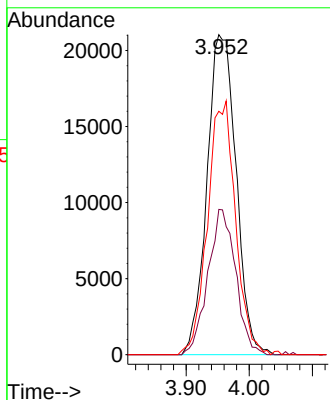
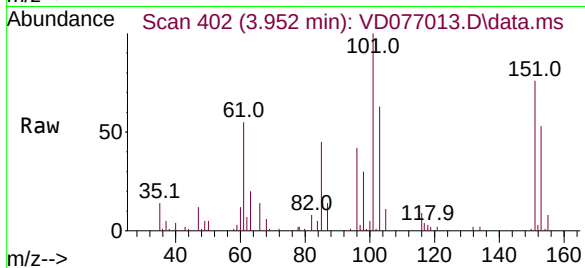




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 47.308 ug/l  
RT: 3.952 min Scan# 404  
Delta R.T. -0.011 min  
Lab File: VD077013.D  
Acq: 14 Aug 2023 20:55

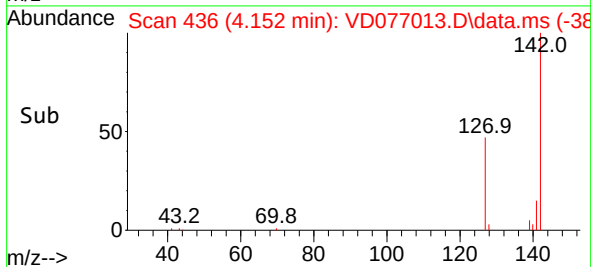
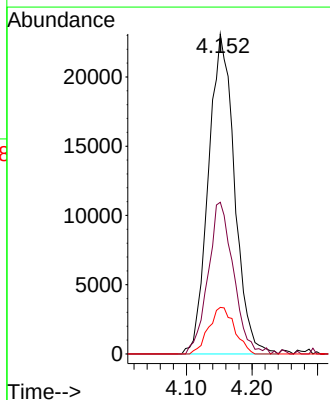
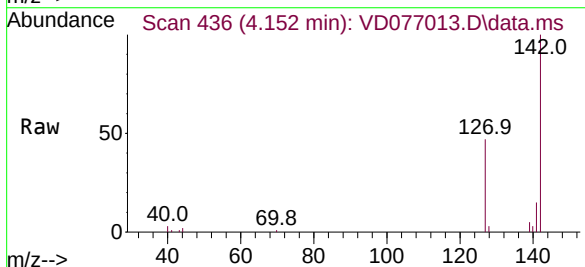
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

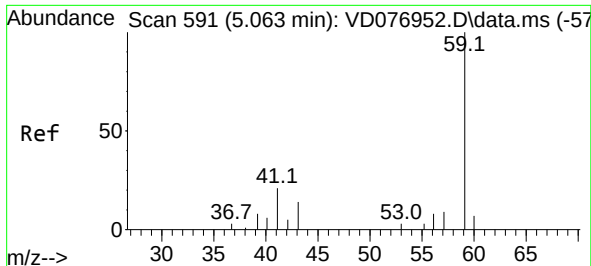
Tgt Ion:101 Resp: 67467  
Ion Ratio Lower Upper  
101 100  
85 43.2 33.8 50.6  
151 76.0 59.8 89.6



#10  
Methyl Iodide  
Concen: 46.503 ug/l  
RT: 4.152 min Scan# 436  
Delta R.T. -0.005 min  
Lab File: VD077013.D  
Acq: 14 Aug 2023 20:55

Tgt Ion:142 Resp: 63868  
Ion Ratio Lower Upper  
142 100  
127 46.3 29.4 44.0#  
141 14.4 11.1 16.7

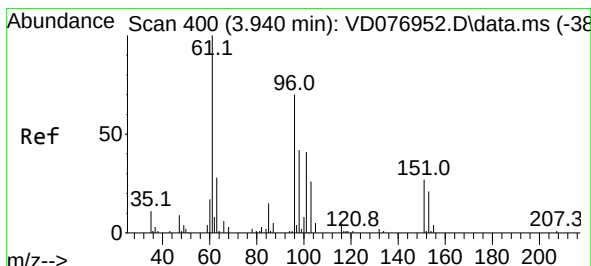
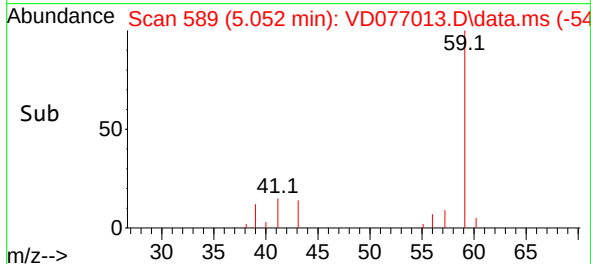
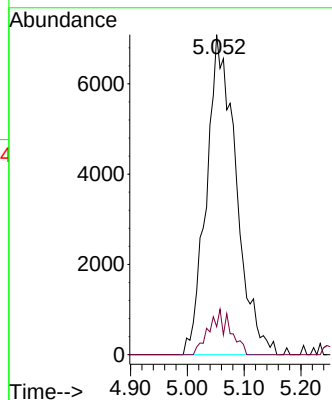
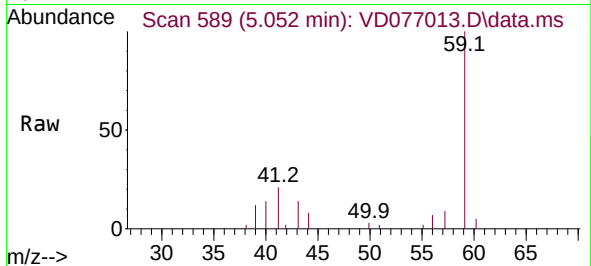




#11  
Tert butyl alcohol  
Concen: 326.488 ug/l  
RT: 5.052 min Scan# 591  
Delta R.T. -0.011 min  
Lab File: VD077013.D  
Acq: 14 Aug 2023 20:55

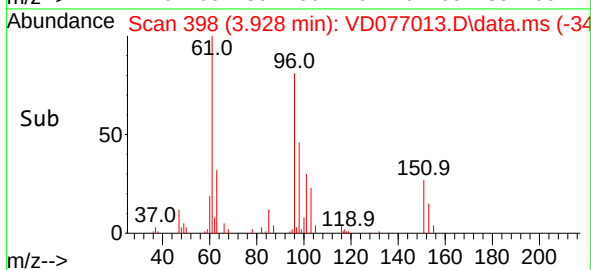
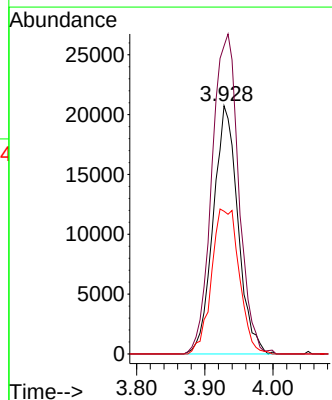
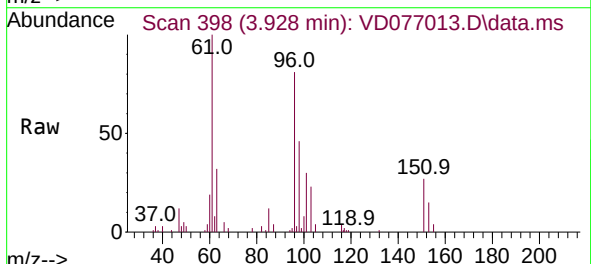
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

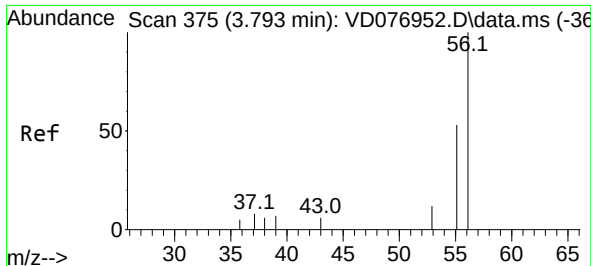
Tgt Ion: 59 Resp: 25653  
Ion Ratio Lower Upper  
59 100  
57 10.1 7.8 11.8



#12  
1,1-Dichloroethene  
Concen: 44.696 ug/l  
RT: 3.928 min Scan# 398  
Delta R.T. -0.012 min  
Lab File: VD077013.D  
Acq: 14 Aug 2023 20:55

Tgt Ion: 96 Resp: 52314  
Ion Ratio Lower Upper  
96 100  
61 124.1 100.6 150.8  
98 57.5 50.2 75.2

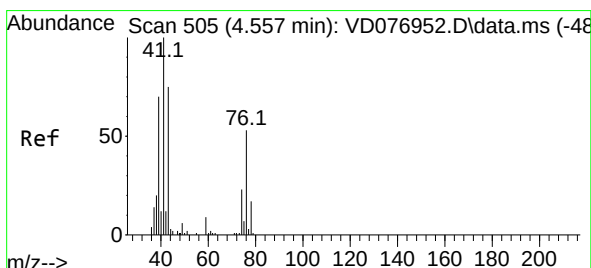
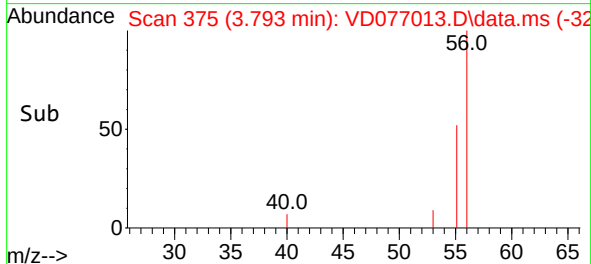
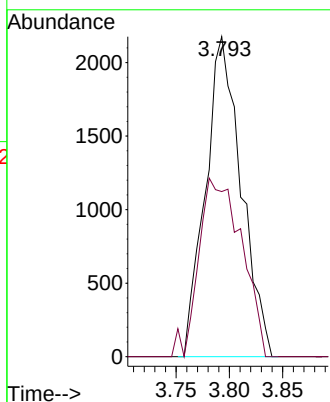
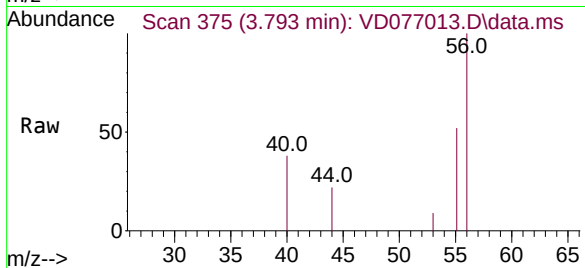




#13  
Acrolein  
Concen: 169.344 ug/l  
RT: 3.793 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VD077013.D  
Acq: 14 Aug 2023 20:55

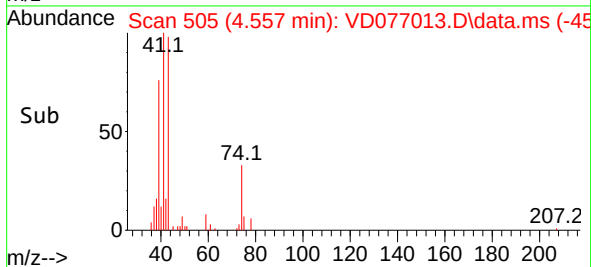
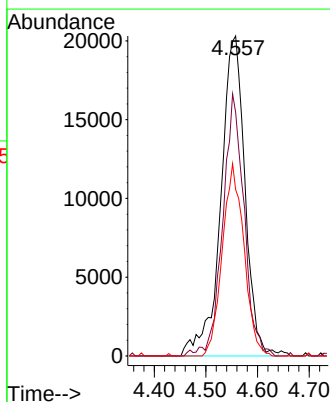
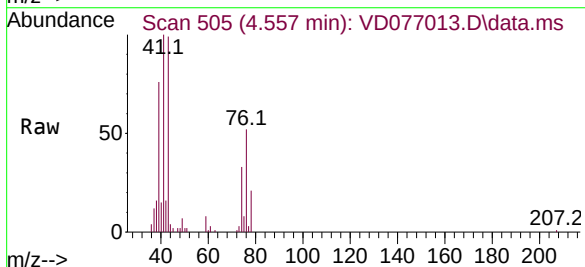
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

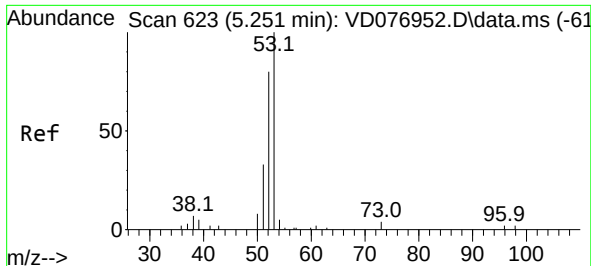
Tgt Ion: 56 Resp: 5076  
Ion Ratio Lower Upper  
56 100  
55 67.0 55.1 82.7



#14  
Allyl chloride  
Concen: 45.921 ug/l  
RT: 4.557 min Scan# 505  
Delta R.T. 0.000 min  
Lab File: VD077013.D  
Acq: 14 Aug 2023 20:55

Tgt Ion: 41 Resp: 66010  
Ion Ratio Lower Upper  
41 100  
39 71.5 53.8 80.6  
76 53.5 45.8 68.8

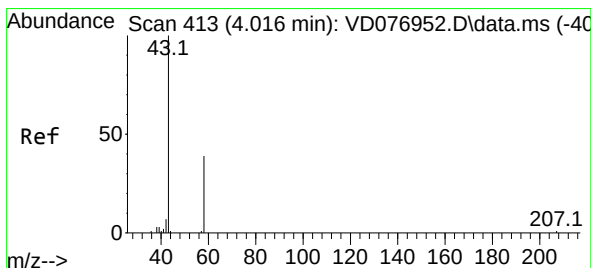
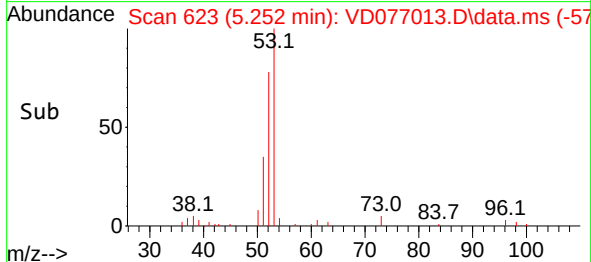
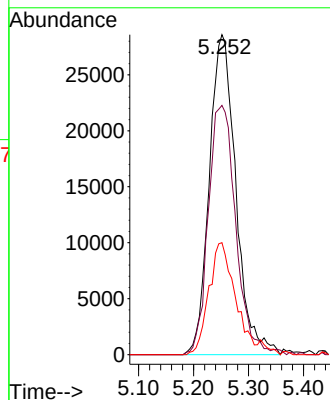
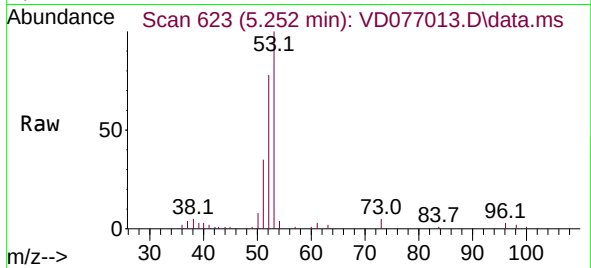




#15  
Acrylonitrile  
Concen: 287.606 ug/l  
RT: 5.252 min Scan# 61  
Delta R.T. 0.001 min  
Lab File: VD077013.D  
Acq: 14 Aug 2023 20:55

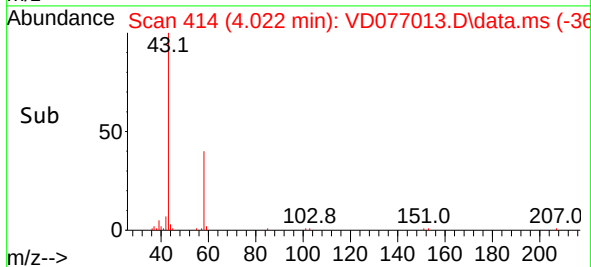
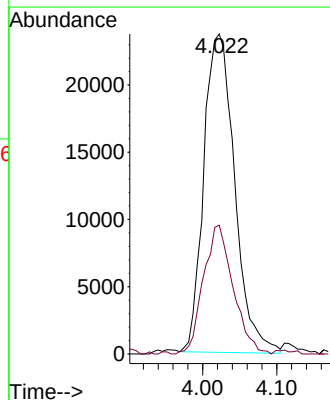
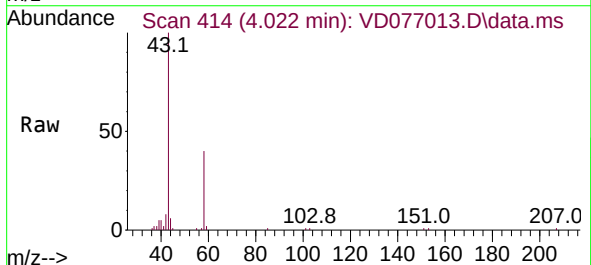
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

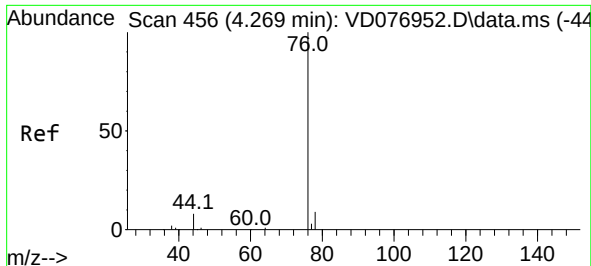
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 53    | Resp: | 95832 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 80.2  | 65.0  | 97.4  |
| 51       | 34.8  | 28.3  | 42.5  |



#16  
Acetone  
Concen: 276.051 ug/l  
RT: 4.022 min Scan# 414  
Delta R.T. 0.006 min  
Lab File: VD077013.D  
Acq: 14 Aug 2023 20:55

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 68697 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 39.8  | 34.7  | 52.1  |

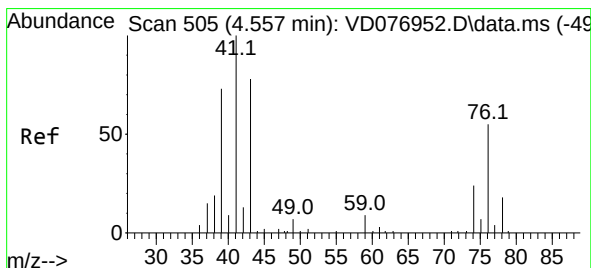
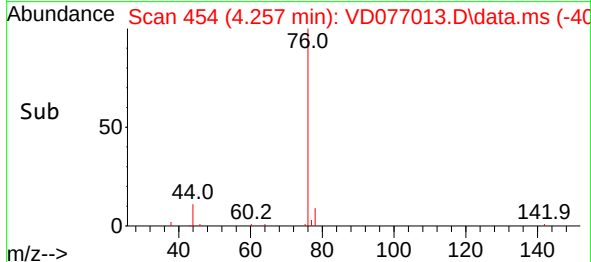
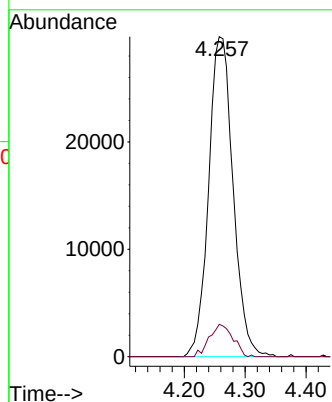
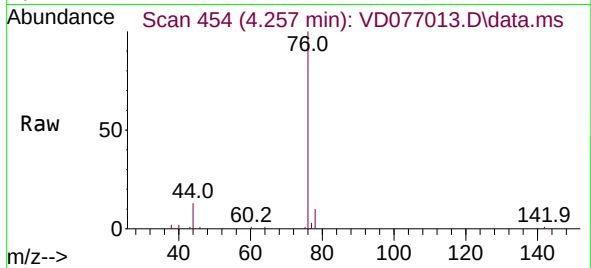




#17  
Carbon Disulfide  
Concen: 41.905 ug/l  
RT: 4.257 min Scan# 41  
Delta R.T. -0.012 min  
Lab File: VD077013.D  
Acq: 14 Aug 2023 20:55

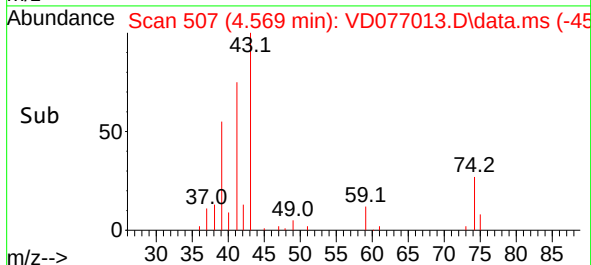
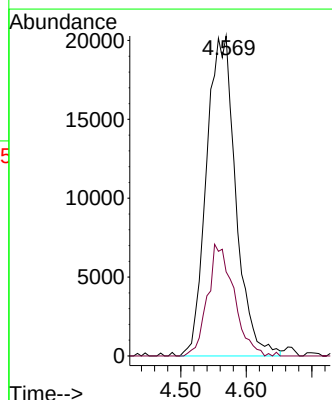
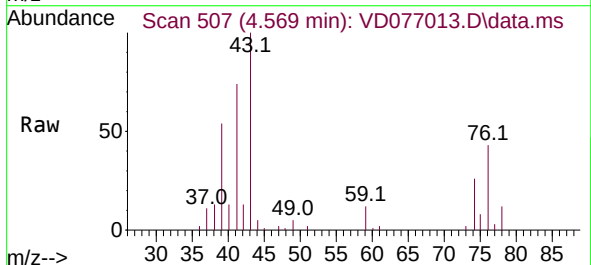
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

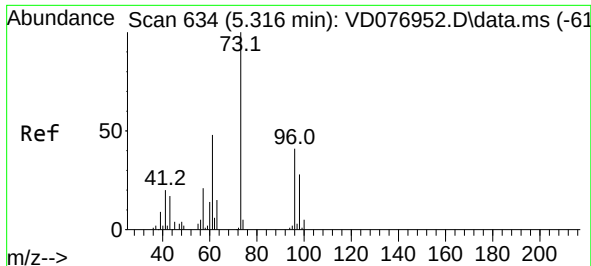
Tgt Ion: 76 Resp: 83027  
Ion Ratio Lower Upper  
76 100  
78 10.1 6.8 10.2



#18  
Methyl Acetate  
Concen: 55.777 ug/l  
RT: 4.569 min Scan# 507  
Delta R.T. 0.012 min  
Lab File: VD077013.D  
Acq: 14 Aug 2023 20:55

Tgt Ion: 43 Resp: 62836  
Ion Ratio Lower Upper  
43 100  
74 31.4 26.4 39.6





#19

Methyl tert-butyl Ether

Concen: 54.386 ug/l

RT: 5.316 min Scan# 61

Delta R.T. 0.000 min

Lab File: VD077013.D

Acq: 14 Aug 2023 20:55

Instrument :

MSVOA\_D

ClientSampleId :

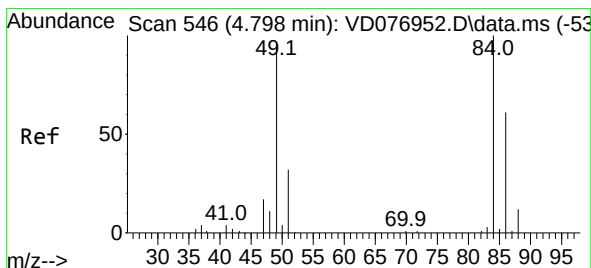
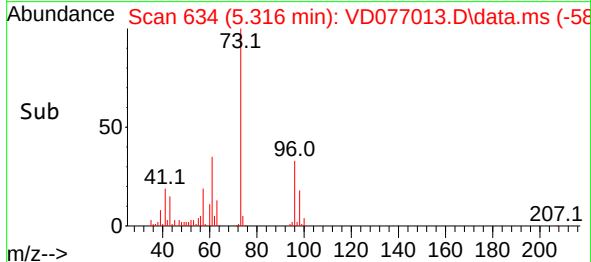
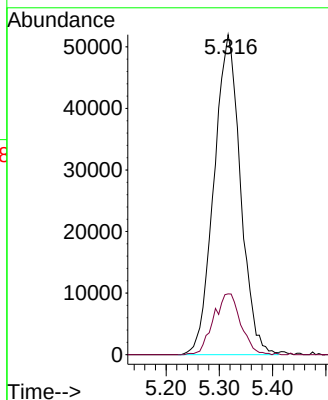
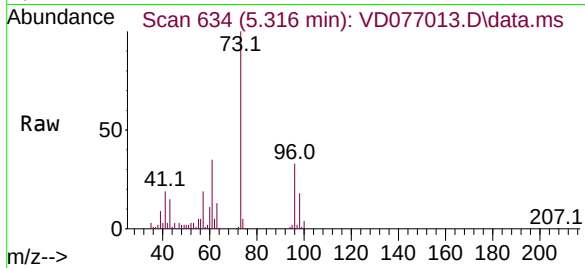
VSTDCCC050EC

Tgt Ion: 73 Resp: 179683

Ion Ratio Lower Upper

73 100

57 19.0 16.6 25.0



#20

Methylene Chloride

Concen: 57.070 ug/l

RT: 4.793 min Scan# 545

Delta R.T. -0.005 min

Lab File: VD077013.D

Acq: 14 Aug 2023 20:55

Tgt Ion: 84 Resp: 95858

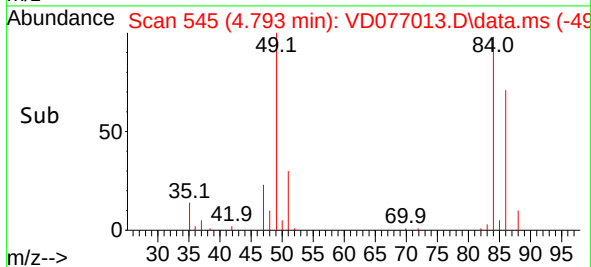
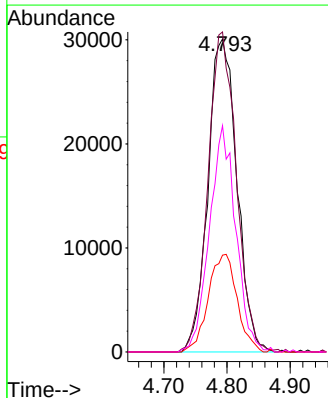
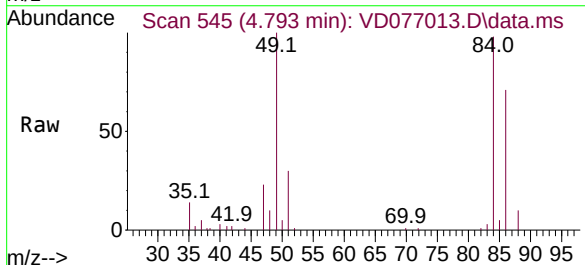
Ion Ratio Lower Upper

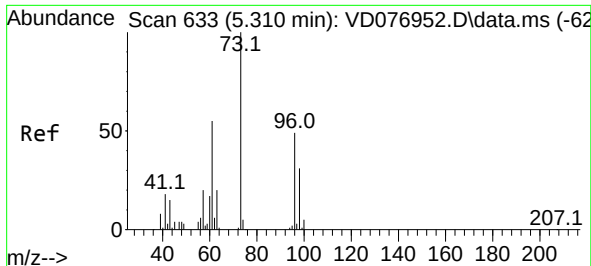
84 100

49 102.2 71.4 107.2

51 30.9 24.5 36.7

86 72.3 48.7 73.1

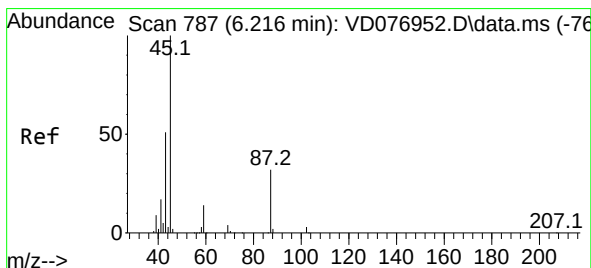
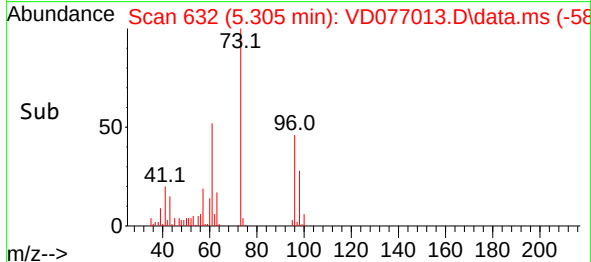
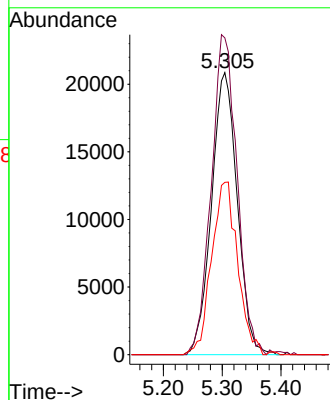
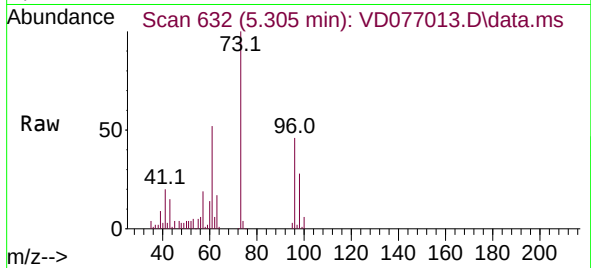




#21  
trans-1,2-Dichloroethene  
Concen: 47.577 ug/l  
RT: 5.305 min Scan# 61  
Delta R.T. -0.005 min  
Lab File: VD077013.D  
Acq: 14 Aug 2023 20:55

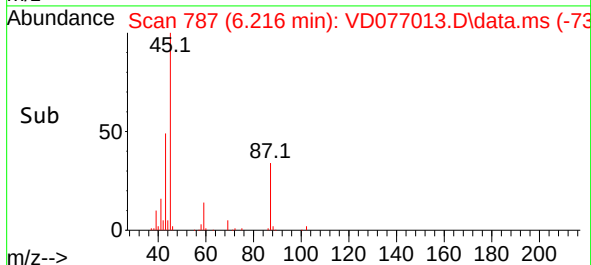
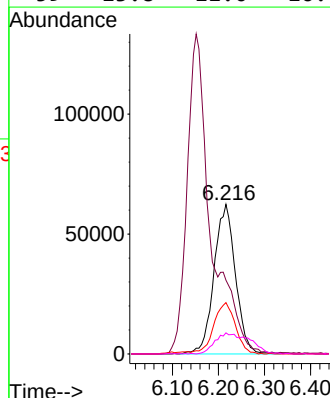
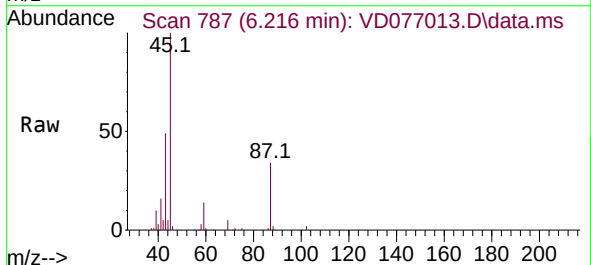
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

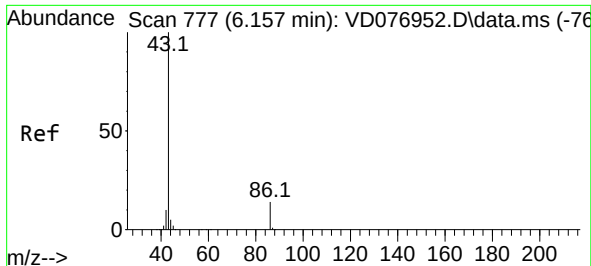
Tgt Ion: 96 Resp: 63609  
Ion Ratio Lower Upper  
96 100  
61 112.3 89.3 133.9  
98 61.1 48.6 73.0



#22  
Diisopropyl ether  
Concen: 53.688 ug/l  
RT: 6.216 min Scan# 787  
Delta R.T. 0.000 min  
Lab File: VD077013.D  
Acq: 14 Aug 2023 20:55

Tgt Ion: 45 Resp: 201608  
Ion Ratio Lower Upper  
45 100  
43 48.3 40.0 60.0  
87 34.3 28.2 42.4  
59 13.8 11.0 16.4

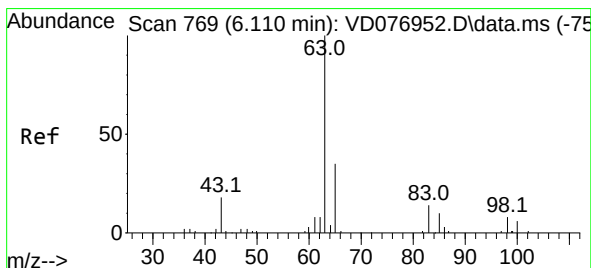
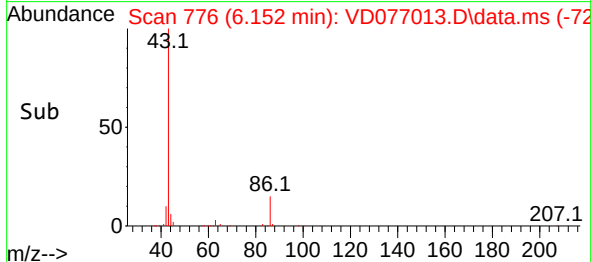
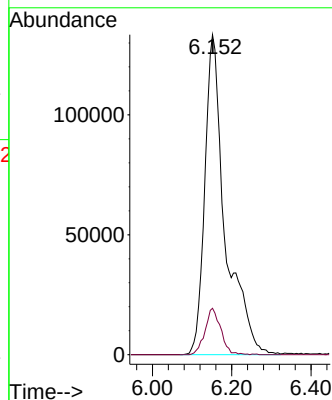
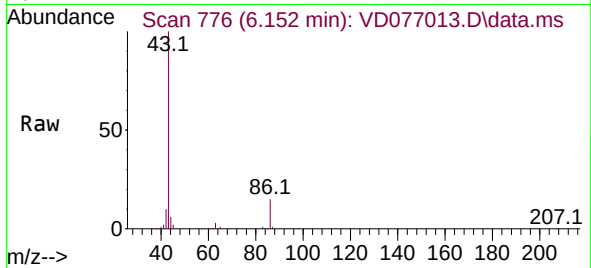




#23  
Vinyl Acetate  
Concen: 270.680 ug/l  
RT: 6.152 min Scan# 777  
Delta R.T. -0.005 min  
Lab File: VD077013.D  
Acq: 14 Aug 2023 20:55

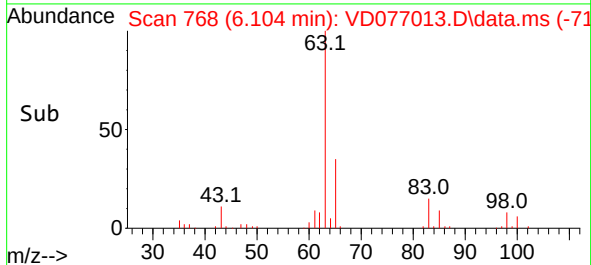
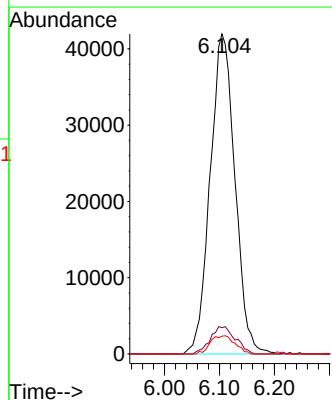
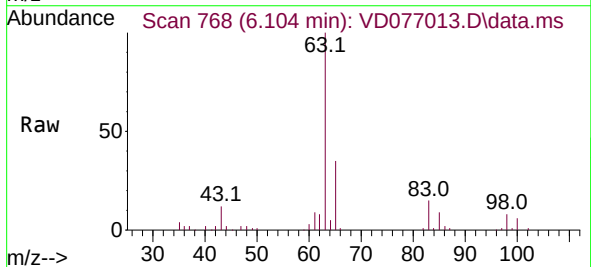
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 43 Resp: 476719  
Ion Ratio Lower Upper  
43 100  
86 14.5 12.5 18.7

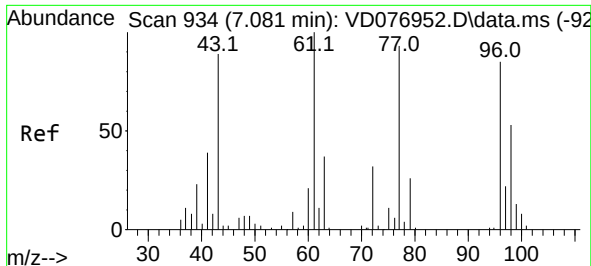


#24  
1,1-Dichloroethane  
Concen: 49.002 ug/l  
RT: 6.104 min Scan# 768  
Delta R.T. -0.006 min  
Lab File: VD077013.D  
Acq: 14 Aug 2023 20:55

Tgt Ion: 63 Resp: 131524  
Ion Ratio Lower Upper  
63 100  
98 8.2 4.5 13.7  
100 5.5 2.5 7.5



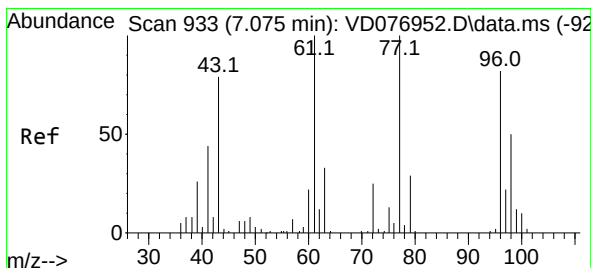
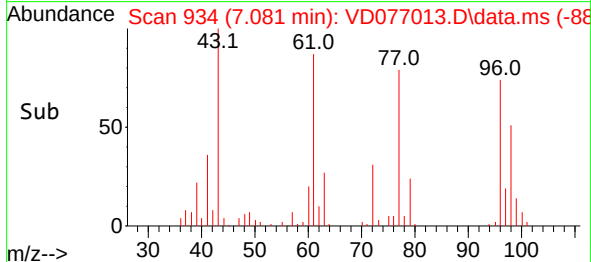
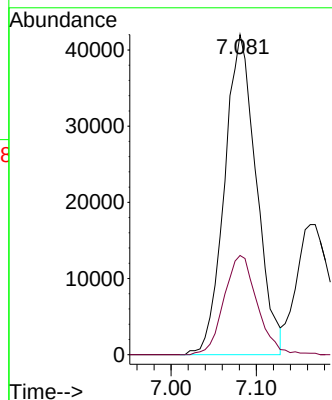
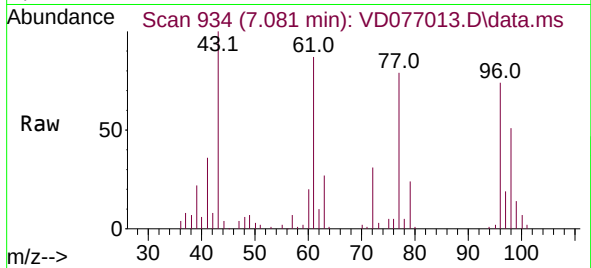




#25  
2-Butanone  
Concen: 269.984 ug/l  
RT: 7.081 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VD077013.D  
Acq: 14 Aug 2023 20:55

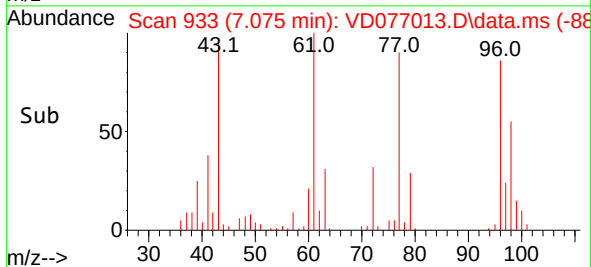
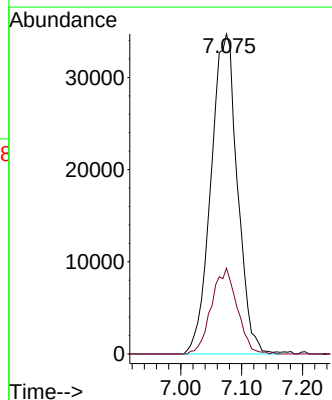
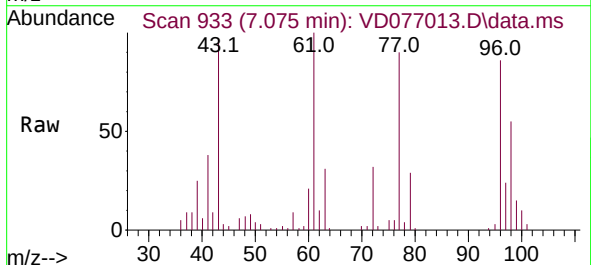
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

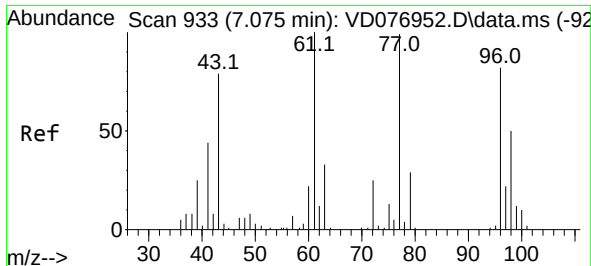
Tgt Ion: 43 Resp: 108951  
Ion Ratio Lower Upper  
43 100  
72 31.0 30.7 46.1



#26  
2,2-Dichloropropane  
Concen: 43.019 ug/l  
RT: 7.075 min Scan# 933  
Delta R.T. -0.000 min  
Lab File: VD077013.D  
Acq: 14 Aug 2023 20:55

Tgt Ion: 77 Resp: 104836  
Ion Ratio Lower Upper  
77 100  
97 26.0 13.2 39.6

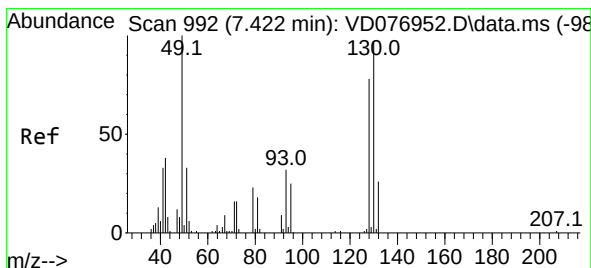
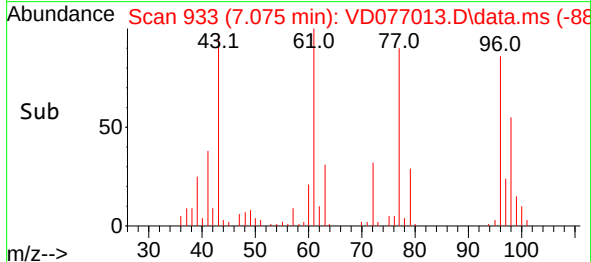
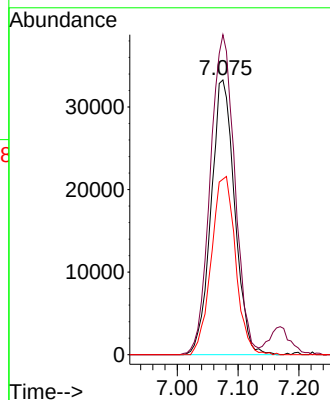
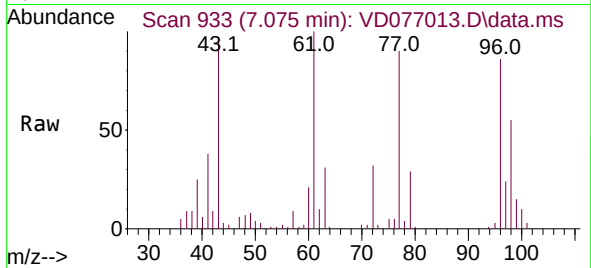




#27  
 cis-1,2-Dichloroethene  
 Concen: 48.947 ug/l  
 RT: 7.075 min Scan# 91  
 Delta R.T. -0.000 min  
 Lab File: VD077013.D  
 Acq: 14 Aug 2023 20:55

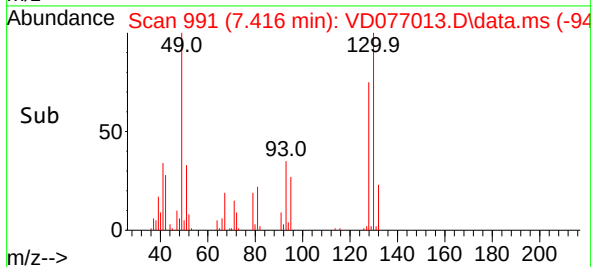
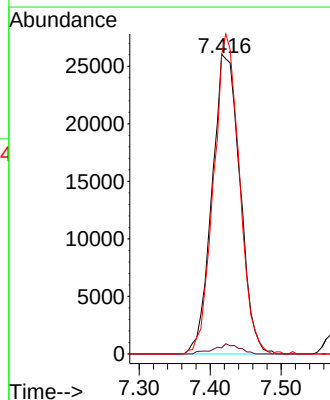
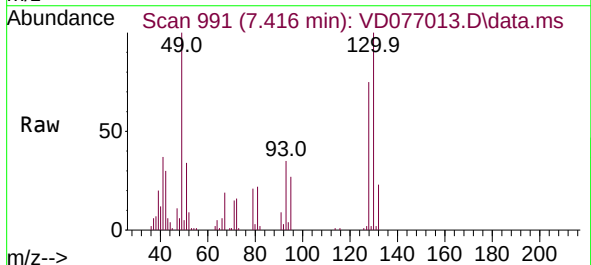
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

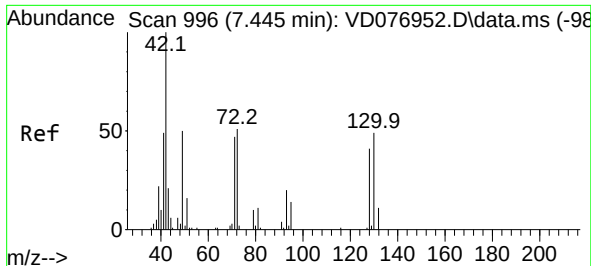
Tgt Ion: 96 Resp: 89798  
 Ion Ratio Lower Upper  
 96 100  
 61 121.0 0.0 239.2  
 98 66.6 0.0 128.6



#28  
 Bromochloromethane  
 Concen: 55.363 ug/l  
 RT: 7.416 min Scan# 991  
 Delta R.T. -0.006 min  
 Lab File: VD077013.D  
 Acq: 14 Aug 2023 20:55

Tgt Ion: 49 Resp: 71019  
 Ion Ratio Lower Upper  
 49 100  
 129 3.0 0.0 6.0  
 130 98.5 83.2 124.8





#29

Tetrahydrofuran

Concen: 282.395 ug/l

RT: 7.440 min Scan# 996

Delta R.T. -0.005 min

Lab File: VD077013.D

Acq: 14 Aug 2023 20:55

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

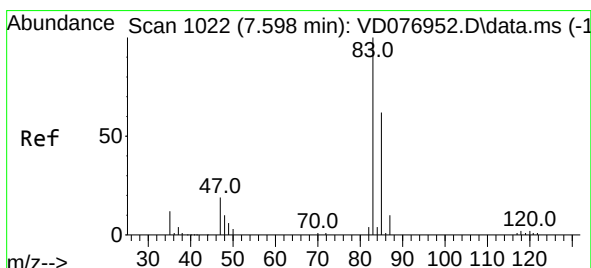
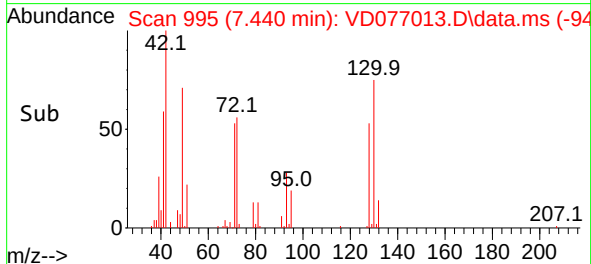
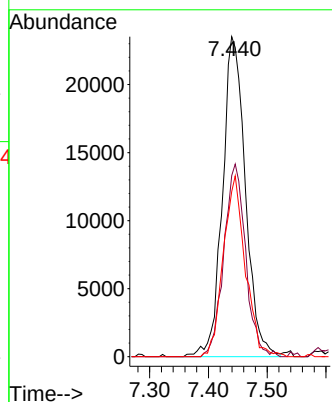
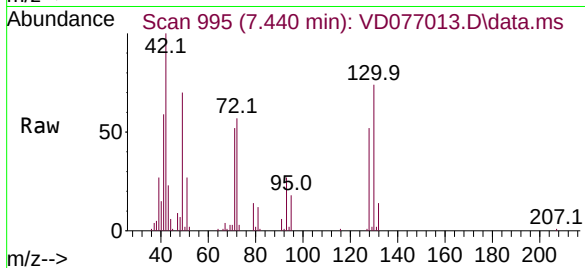
Tgt Ion: 42 Resp: 63636

Ion Ratio Lower Upper

42 100

72 57.2 46.5 69.7

71 54.3 44.5 66.7



#30

Chloroform

Concen: 52.407 ug/l

RT: 7.593 min Scan# 1021

Delta R.T. -0.005 min

Lab File: VD077013.D

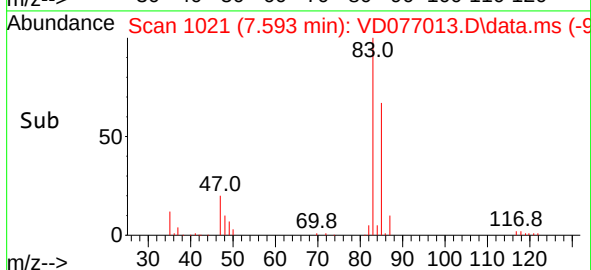
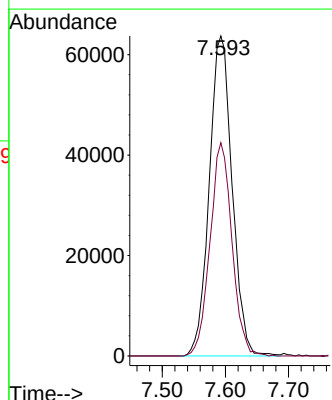
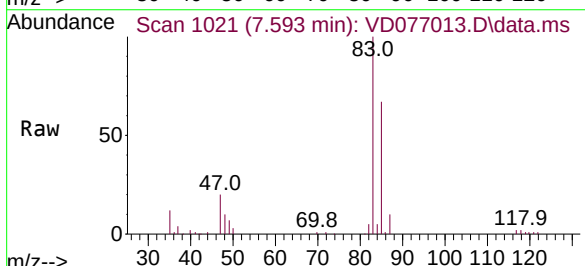
Acq: 14 Aug 2023 20:55

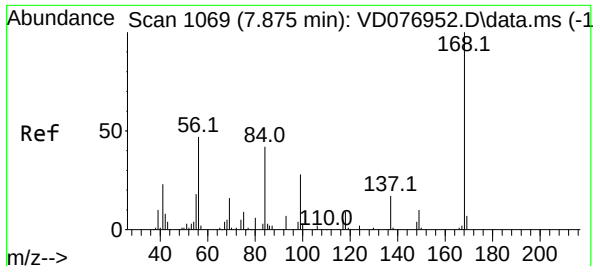
Tgt Ion: 83 Resp: 160479

Ion Ratio Lower Upper

83 100

85 66.6 53.4 80.2

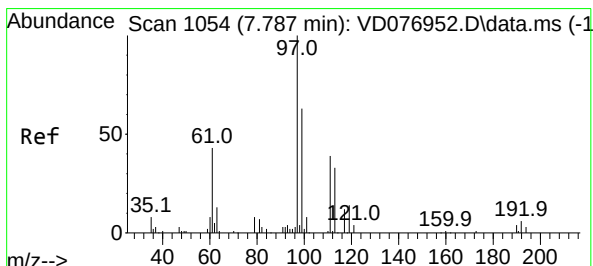
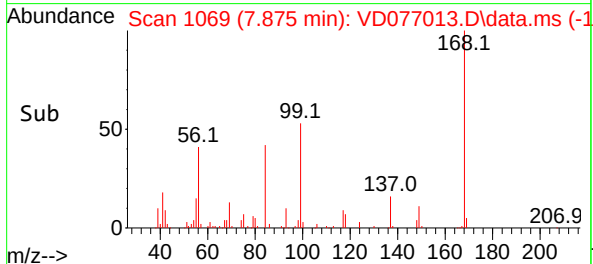
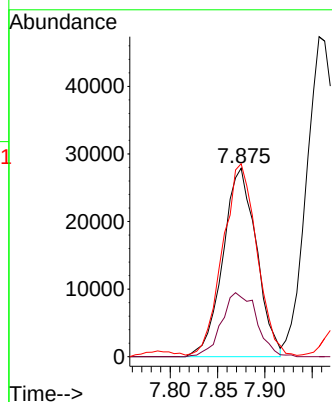
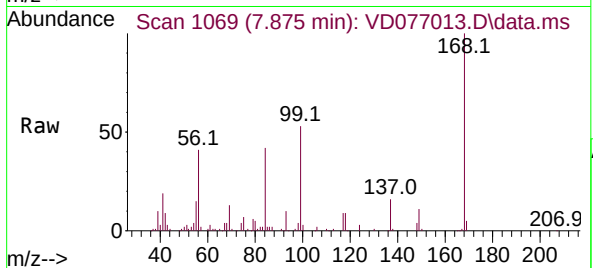




#31  
Cyclohexane  
Concen: 47.483 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. -0.000 min  
Lab File: VD077013.D  
Acq: 14 Aug 2023 20:55

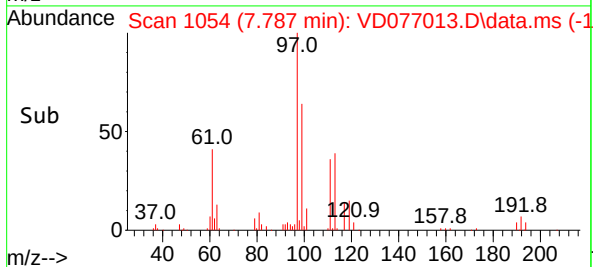
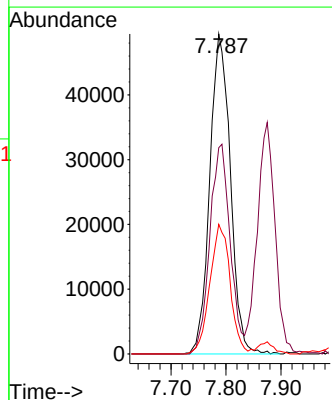
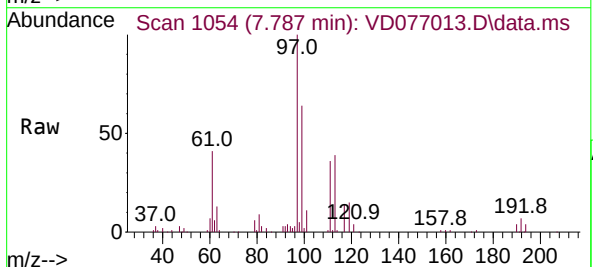
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

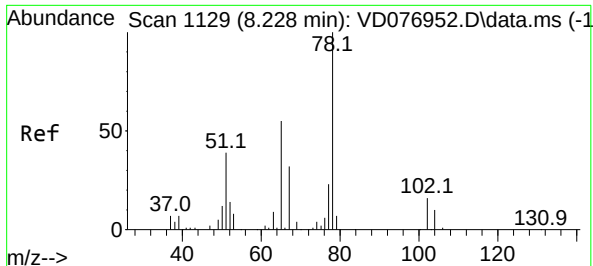
Tgt Ion: 56 Resp: 68746  
Ion Ratio Lower Upper  
56 100  
69 31.6 28.6 43.0  
84 100.4 84.8 127.2



#32  
1,1,1-Trichloroethane  
Concen: 51.094 ug/l  
RT: 7.787 min Scan# 1054  
Delta R.T. -0.000 min  
Lab File: VD077013.D  
Acq: 14 Aug 2023 20:55

Tgt Ion: 97 Resp: 128405  
Ion Ratio Lower Upper  
97 100  
99 64.9 52.0 78.0  
61 39.9 33.8 50.8





#33

1,2-Dichloroethane-d4

Concen: 50.491 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD077013.D

Acq: 14 Aug 2023 20:55

Instrument :

MSVOA\_D

ClientSampleId :

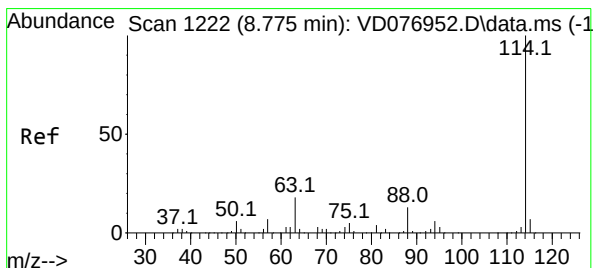
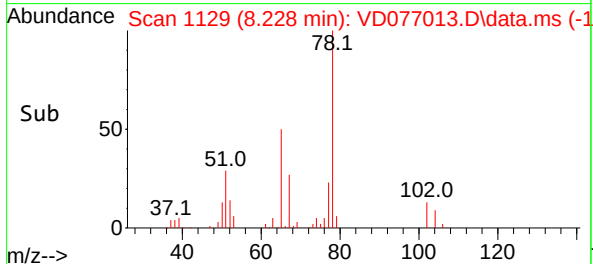
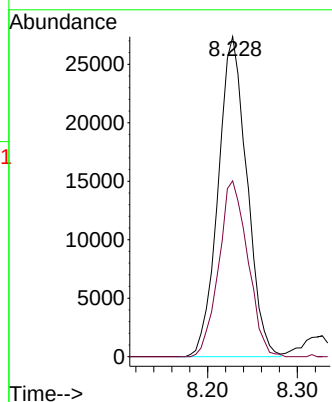
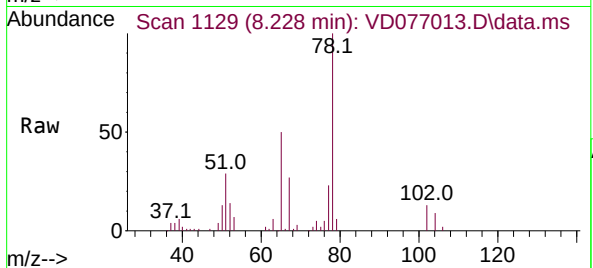
VSTDCCC050EC

Tgt Ion: 65 Resp: 60915

Ion Ratio Lower Upper

65 100

67 55.3 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD077013.D

Acq: 14 Aug 2023 20:55

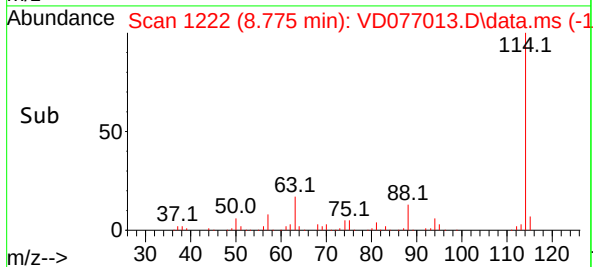
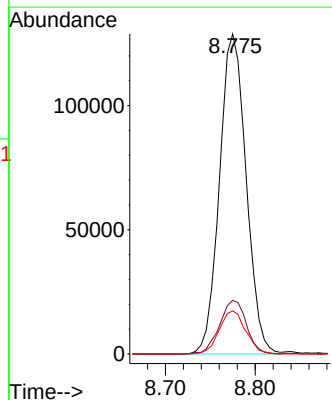
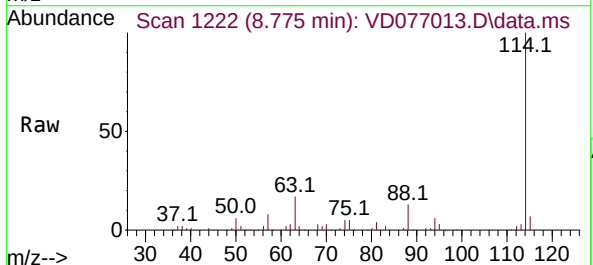
Tgt Ion: 114 Resp: 265227

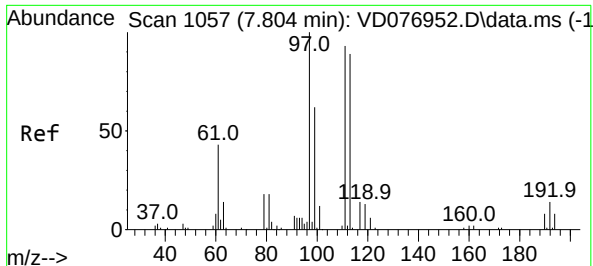
Ion Ratio Lower Upper

114 100

63 16.8 0.0 33.4

88 13.4 0.0 26.2

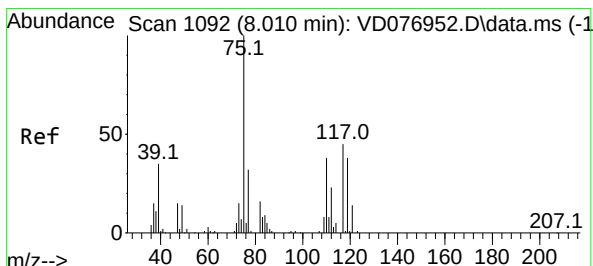
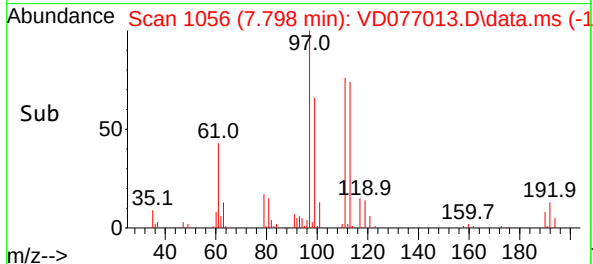
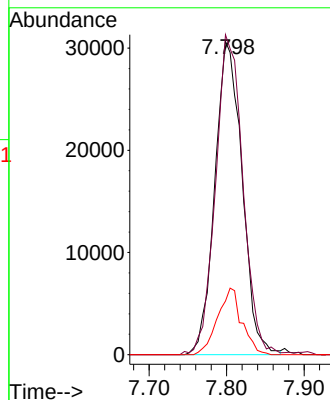
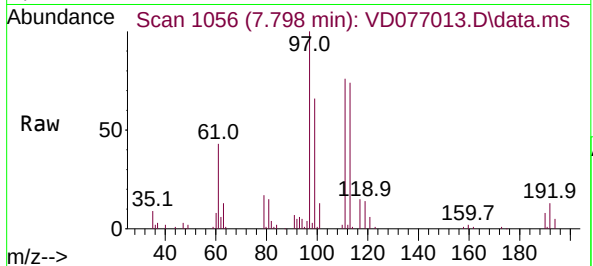




#35  
Dibromofluoromethane  
Concen: 52.566 ug/l  
RT: 7.798 min Scan# 1056  
Delta R.T. -0.006 min  
Lab File: VD077013.D  
Acq: 14 Aug 2023 20:55

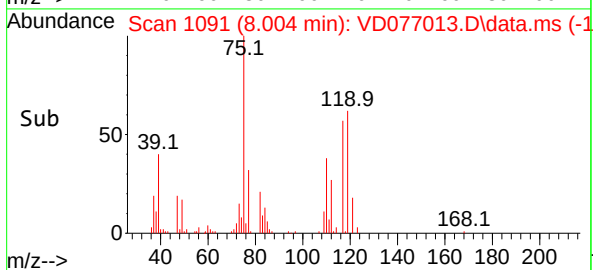
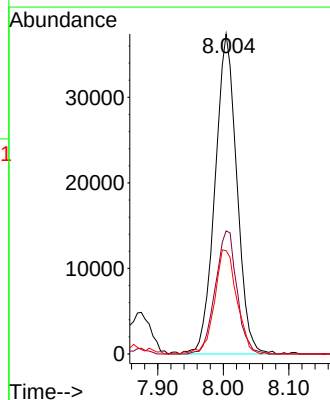
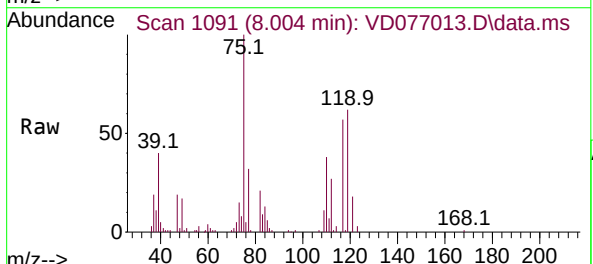
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

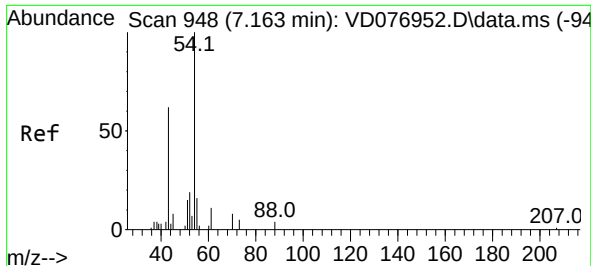
Tgt Ion:113 Resp: 74954  
Ion Ratio Lower Upper  
113 100  
111 102.6 84.7 127.1  
192 18.9 16.8 25.2



#36  
1,1-Dichloropropene  
Concen: 48.851 ug/l  
RT: 8.004 min Scan# 1091  
Delta R.T. -0.006 min  
Lab File: VD077013.D  
Acq: 14 Aug 2023 20:55

Tgt Ion: 75 Resp: 86136  
Ion Ratio Lower Upper  
75 100  
110 38.1 19.9 59.6  
77 33.4 24.7 37.1

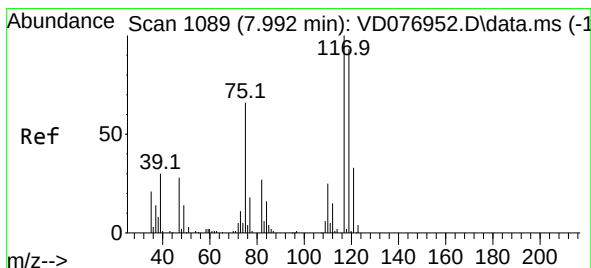
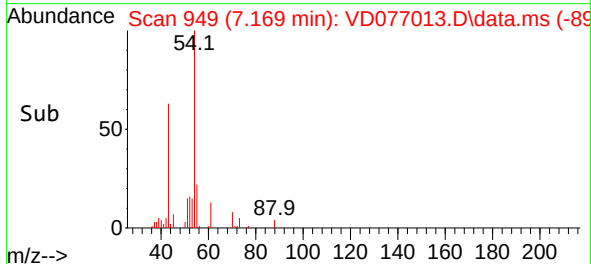
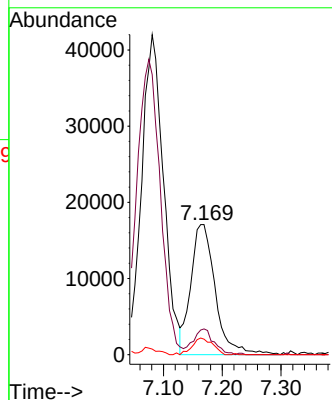
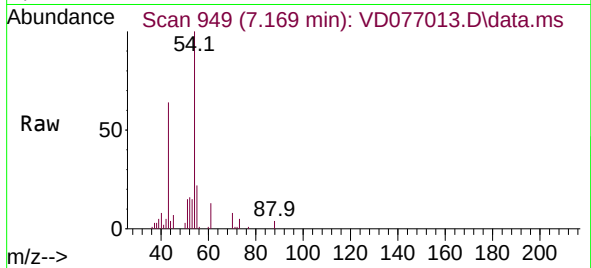




#37  
Ethyl Acetate  
Concen: 60.804 ug/l  
RT: 7.169 min Scan# 948  
Delta R.T. 0.006 min  
Lab File: VD077013.D  
Acq: 14 Aug 2023 20:55

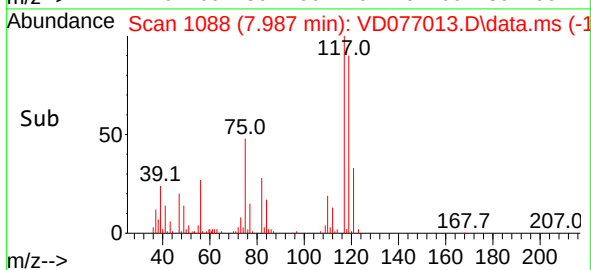
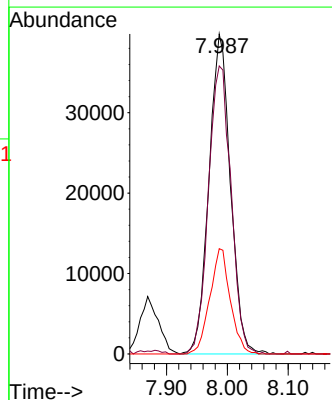
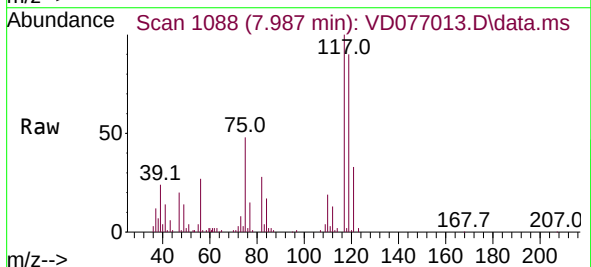
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

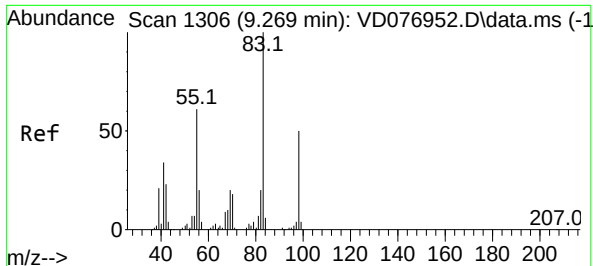
Tgt Ion: 43 Resp: 49472  
Ion Ratio Lower Upper  
43 100  
61 16.5 14.9 22.3  
70 10.7 10.0 15.0



#38  
Carbon Tetrachloride  
Concen: 51.733 ug/l  
RT: 7.987 min Scan# 1088  
Delta R.T. -0.005 min  
Lab File: VD077013.D  
Acq: 14 Aug 2023 20:55

Tgt Ion: 117 Resp: 97630  
Ion Ratio Lower Upper  
117 100  
119 90.0 78.0 117.0  
121 32.9 24.2 36.2





#39

Methylcyclohexane

Concen: 47.693 ug/l

RT: 9.275 min Scan# 11307

Delta R.T. 0.006 min

Lab File: VD077013.D

Acq: 14 Aug 2023 20:55

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

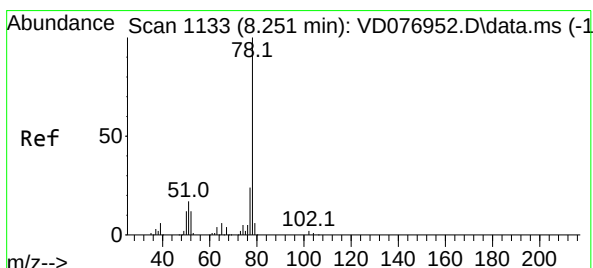
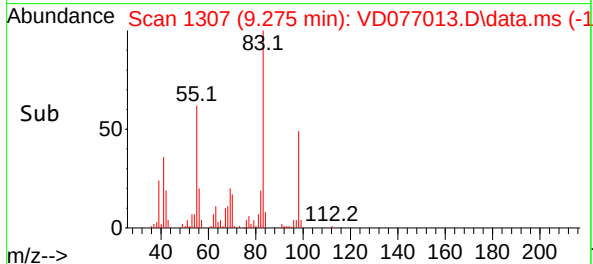
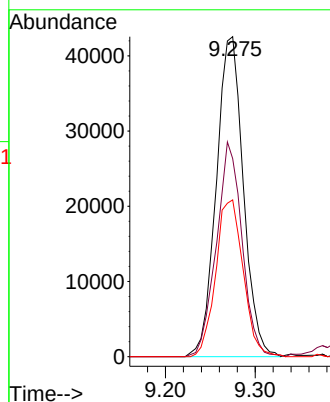
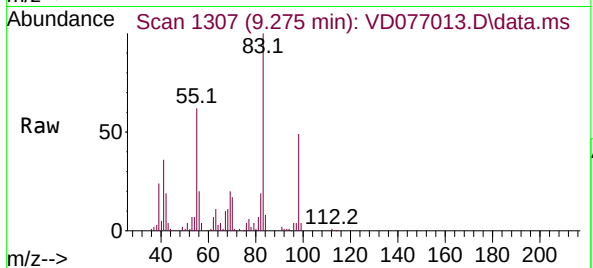
Tgt Ion: 83 Resp: 89098

Ion Ratio Lower Upper

83 100

55 61.9 49.4 74.0

98 49.0 38.4 57.6



#40

Benzene

Concen: 50.949 ug/l

RT: 8.246 min Scan# 1132

Delta R.T. -0.005 min

Lab File: VD077013.D

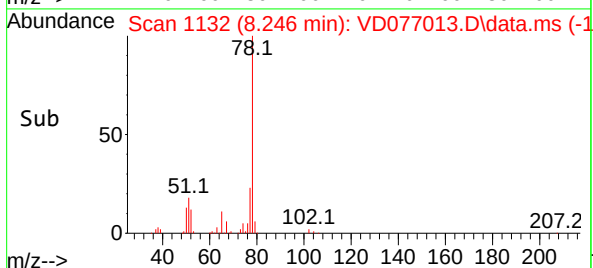
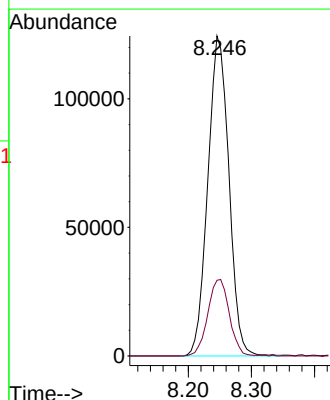
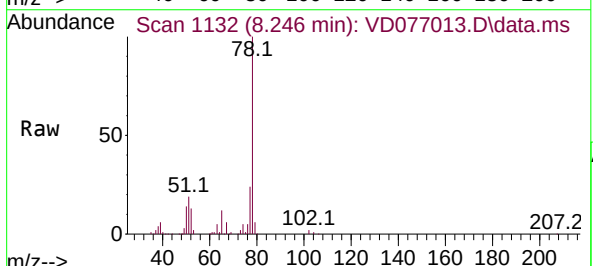
Acq: 14 Aug 2023 20:55

Tgt Ion: 78 Resp: 288859

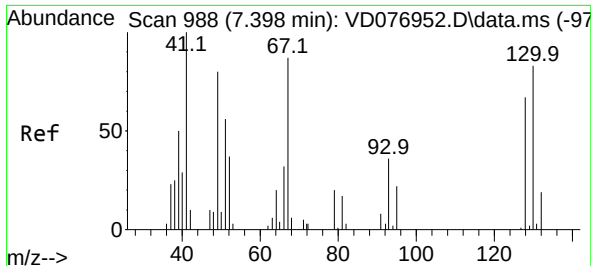
Ion Ratio Lower Upper

78 100

77 23.7 19.4 29.0



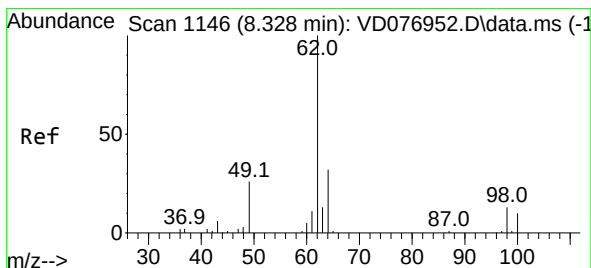
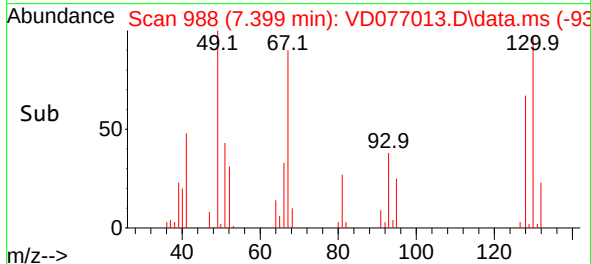
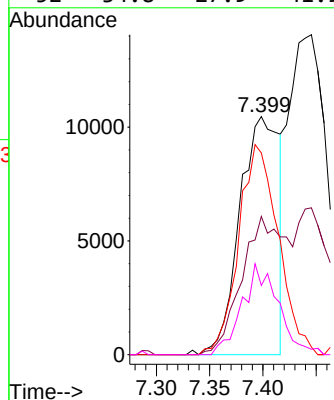
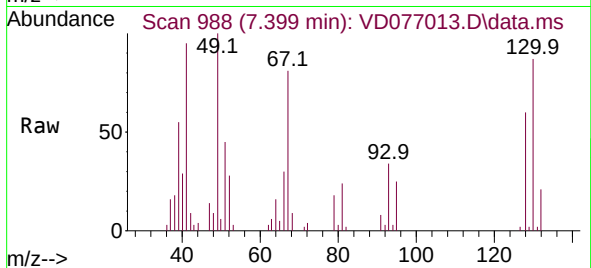




#41  
Methacrylonitrile  
Concen: 61.522 ug/l  
RT: 7.399 min Scan# 91  
Delta R.T. 0.001 min  
Lab File: VD077013.D  
Acq: 14 Aug 2023 20:55

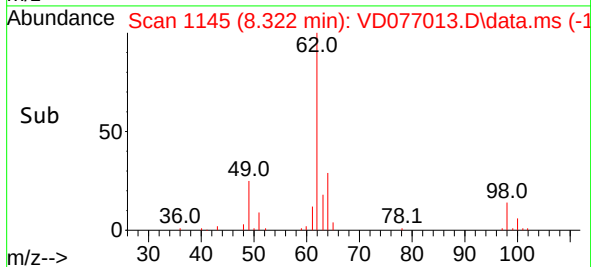
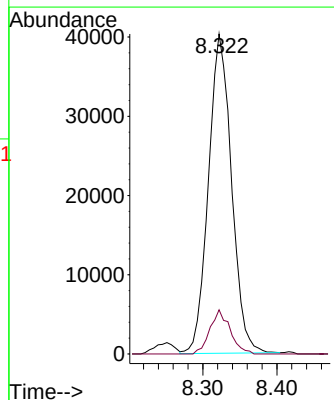
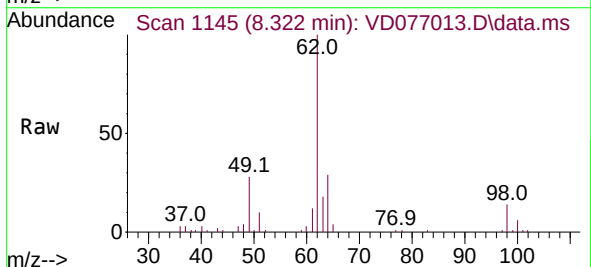
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

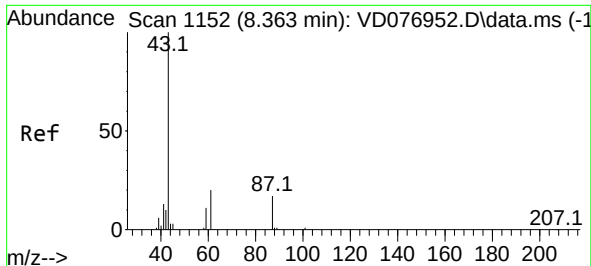
Tgt Ion: 41 Resp: 27010  
Ion Ratio Lower Upper  
41 100  
39 67.6 34.0 51.0#  
67 88.6 77.0 115.4  
52 34.8 27.9 41.9



#42  
1,2-Dichloroethane  
Concen: 57.070 ug/l  
RT: 8.322 min Scan# 1145  
Delta R.T. -0.006 min  
Lab File: VD077013.D  
Acq: 14 Aug 2023 20:55

Tgt Ion: 62 Resp: 87218  
Ion Ratio Lower Upper  
62 100  
98 12.1 0.0 25.4





#43

Isopropyl Acetate

Concen: 59.295 ug/l

RT: 8.357 min Scan# 1151

Delta R.T. -0.006 min

Lab File: VD077013.D

Acq: 14 Aug 2023 20:55

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

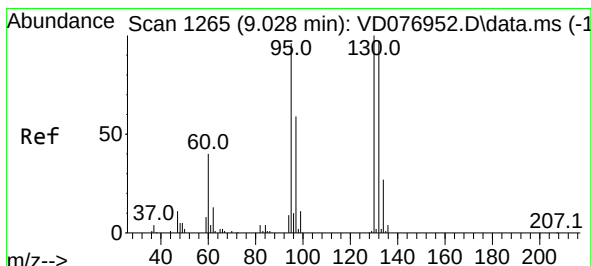
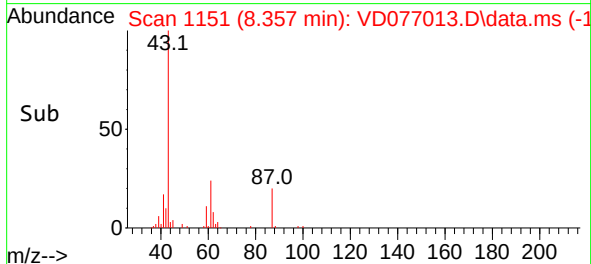
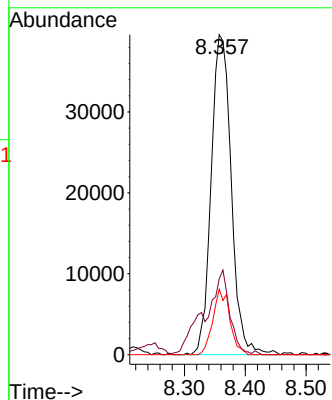
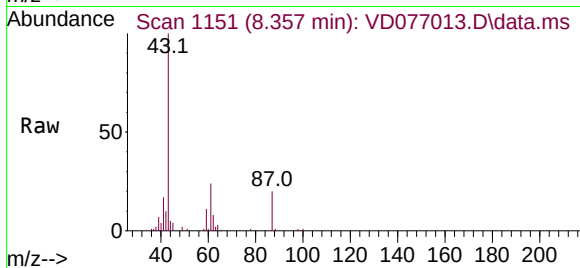
Tgt Ion: 43 Resp: 90659

Ion Ratio Lower Upper

43 100

61 21.8 31.4 47.0#

87 17.3 14.9 22.3



#44

Trichloroethene

Concen: 51.327 ug/l

RT: 9.028 min Scan# 1265

Delta R.T. -0.000 min

Lab File: VD077013.D

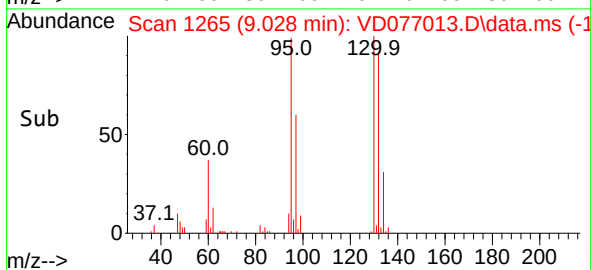
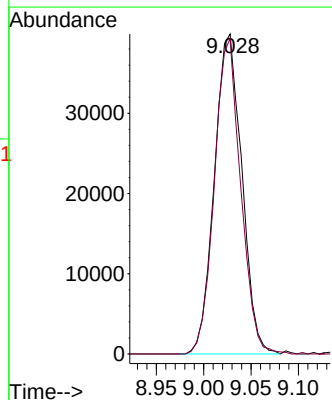
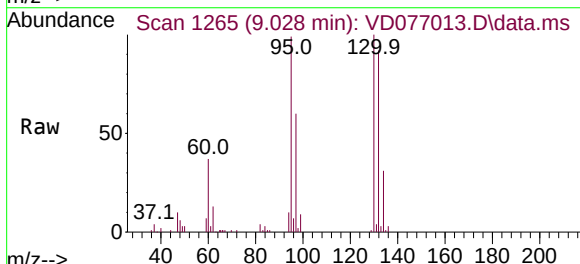
Acq: 14 Aug 2023 20:55

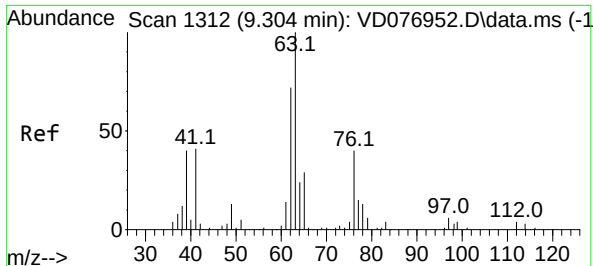
Tgt Ion: 130 Resp: 80341

Ion Ratio Lower Upper

130 100

95 98.6 0.0 179.2





#45

1,2-Dichloropropane

Concen: 53.238 ug/l

RT: 9.304 min Scan# 1312

Delta R.T. 0.000 min

Lab File: VD077013.D

Acq: 14 Aug 2023 20:55

Instrument :

MSVOA\_D

ClientSampleId :

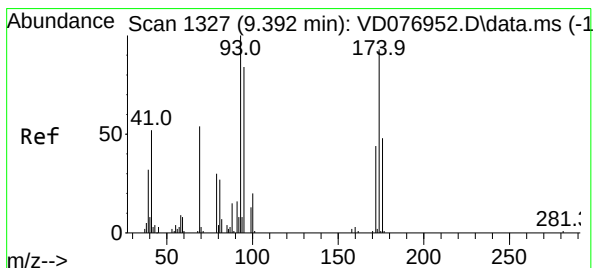
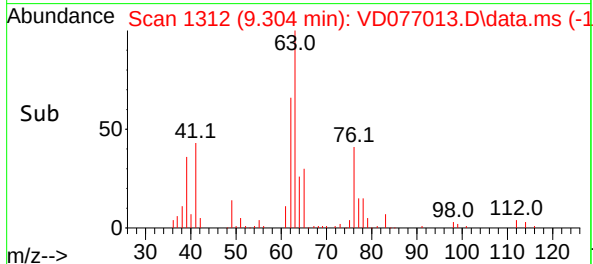
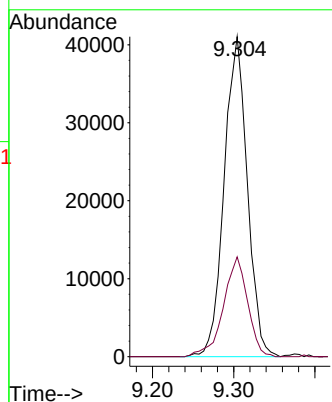
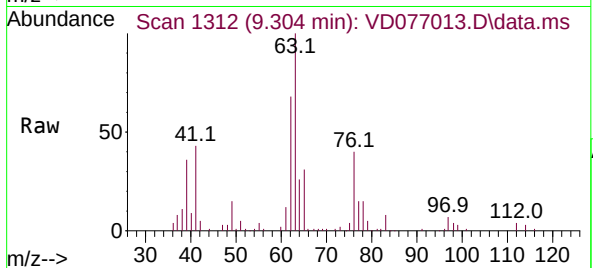
VSTDCCC050EC

Tgt Ion: 63 Resp: 81341

Ion Ratio Lower Upper

63 100

65 31.2 24.5 36.7



#46

Dibromomethane

Concen: 55.926 ug/l

RT: 9.393 min Scan# 1327

Delta R.T. 0.001 min

Lab File: VD077013.D

Acq: 14 Aug 2023 20:55

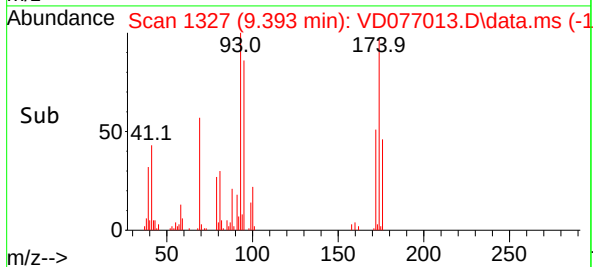
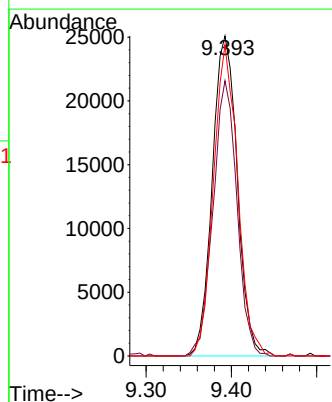
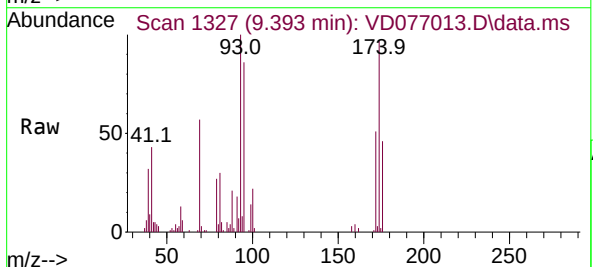
Tgt Ion: 93 Resp: 51060

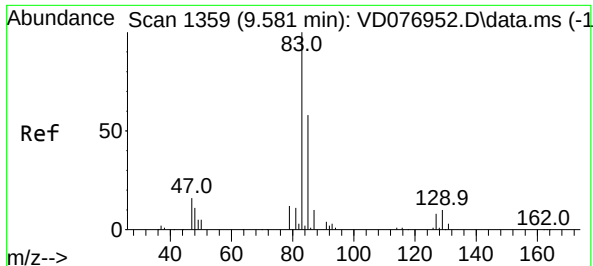
Ion Ratio Lower Upper

93 100

95 82.4 67.7 101.5

174 94.7 85.4 128.2

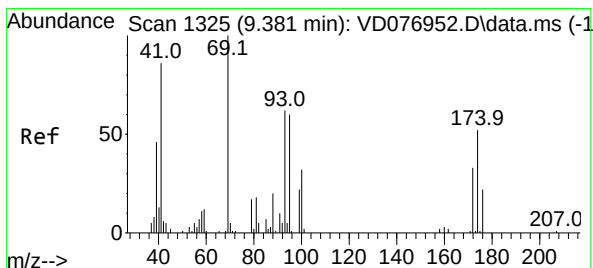
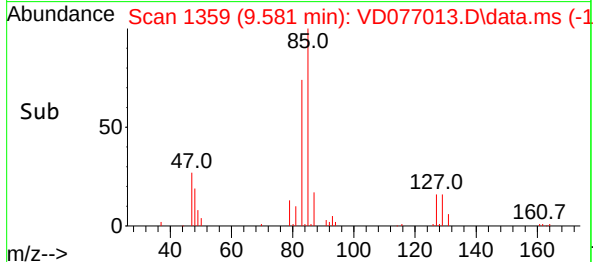
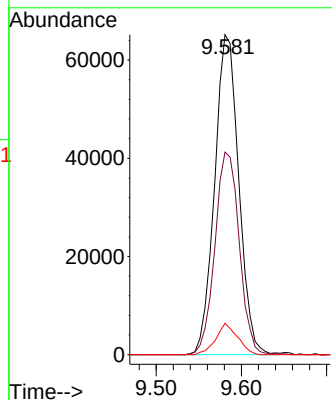
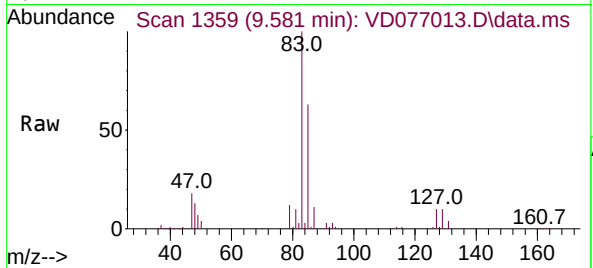




#47  
Bromodichloromethane  
Concen: 54.832 ug/l  
RT: 9.581 min Scan# 1359  
Delta R.T. -0.000 min  
Lab File: VD077013.D  
Acq: 14 Aug 2023 20:55

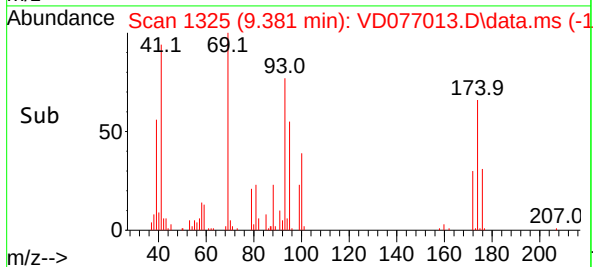
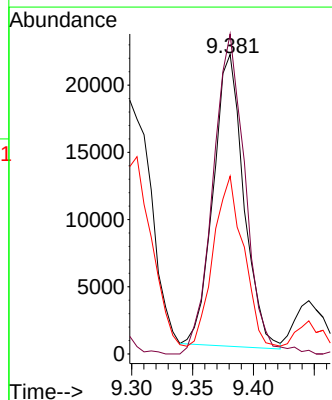
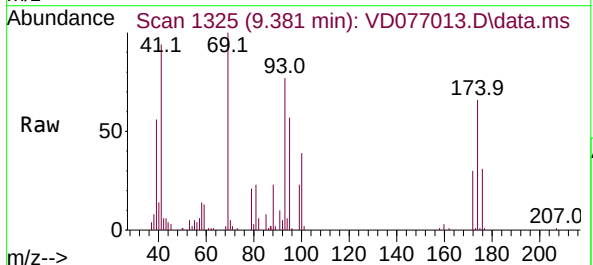
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

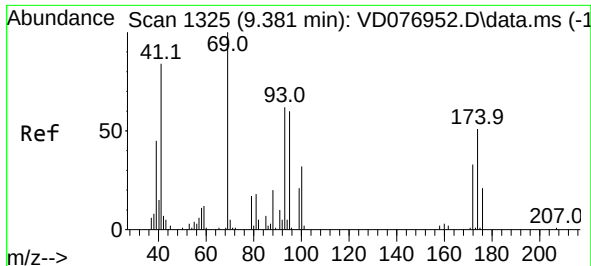
Tgt Ion: 83 Resp: 128417  
Ion Ratio Lower Upper  
83 100  
85 63.3 50.2 75.4  
127 9.8 6.3 9.5#



#48  
Methyl methacrylate  
Concen: 56.323 ug/l  
RT: 9.381 min Scan# 1325  
Delta R.T. -0.000 min  
Lab File: VD077013.D  
Acq: 14 Aug 2023 20:55

Tgt Ion: 41 Resp: 37867  
Ion Ratio Lower Upper  
41 100  
69 115.5 102.2 153.2  
39 62.5 41.4 62.2#

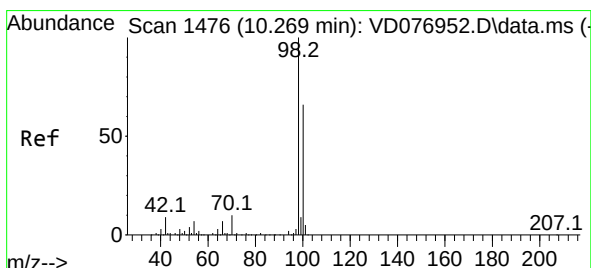
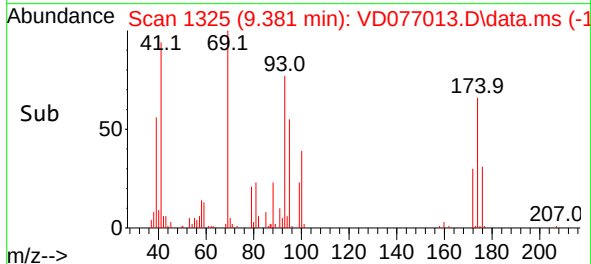
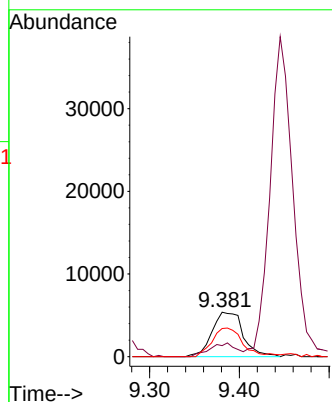
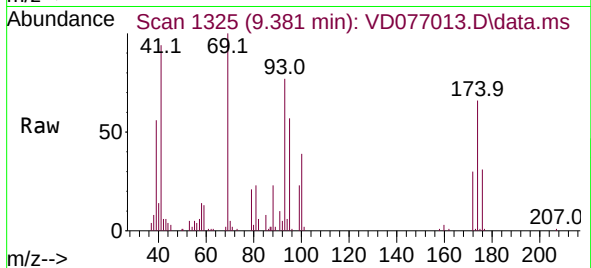




#49  
1,4-Dioxane  
Concen: 1214.565 ug/l  
RT: 9.381 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD077013.D  
Acq: 14 Aug 2023 20:55

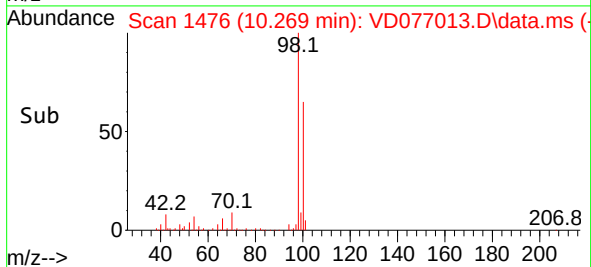
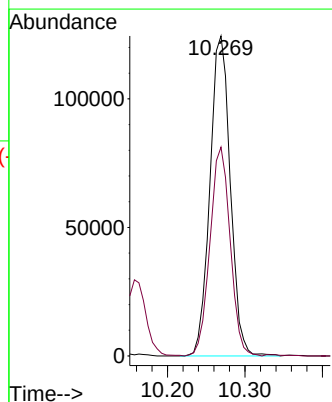
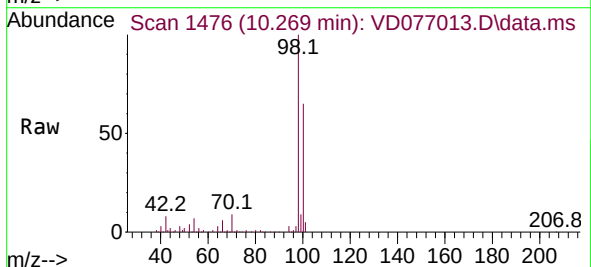
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

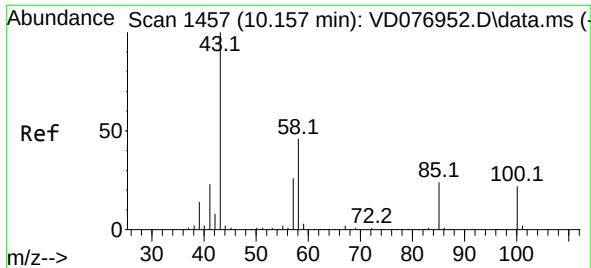
Tgt Ion: 88 Resp: 12961  
Ion Ratio Lower Upper  
88 100  
43 26.1 19.0 28.6  
58 63.8 43.5 65.3



#50  
Toluene-d8  
Concen: 49.547 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. -0.000 min  
Lab File: VD077013.D  
Acq: 14 Aug 2023 20:55

Tgt Ion: 98 Resp: 226917  
Ion Ratio Lower Upper  
98 100  
100 64.7 50.3 75.5

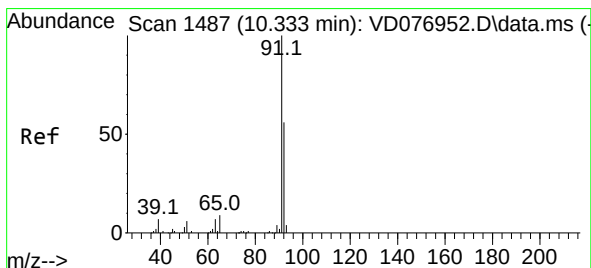
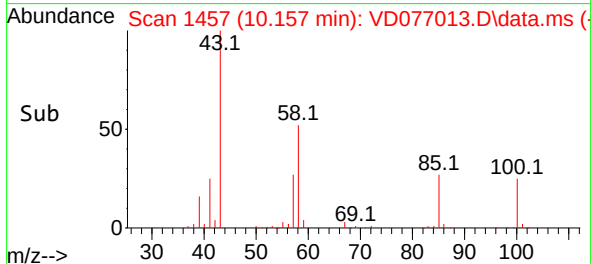
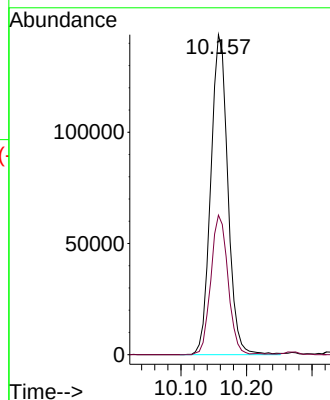
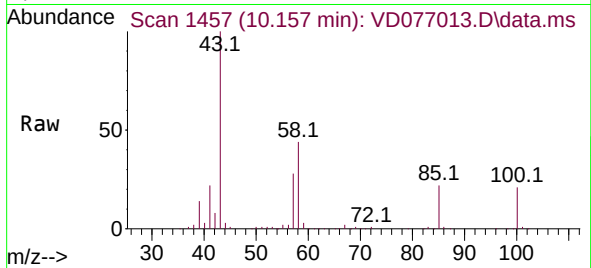




#51  
4-Methyl-2-Pentanone  
Concen: 308.368 ug/l  
RT: 10.157 min Scan# 1457  
Delta R.T. 0.000 min  
Lab File: VD077013.D  
Acq: 14 Aug 2023 20:55

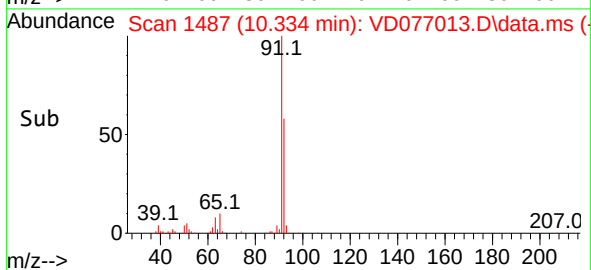
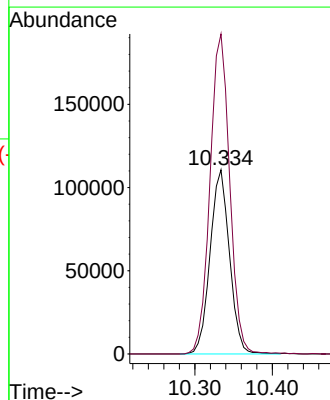
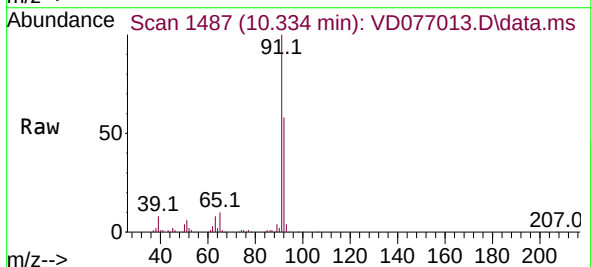
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

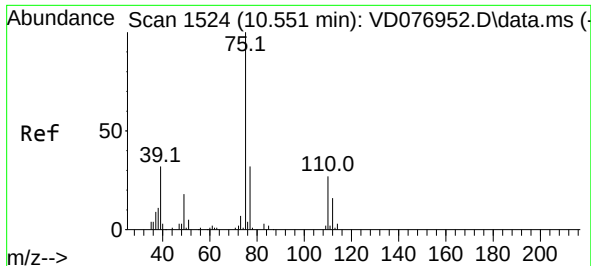
Tgt Ion: 43 Resp: 260247  
Ion Ratio Lower Upper  
43 100  
58 43.7 38.9 58.3



#52  
Toluene  
Concen: 51.592 ug/l  
RT: 10.334 min Scan# 1487  
Delta R.T. 0.001 min  
Lab File: VD077013.D  
Acq: 14 Aug 2023 20:55

Tgt Ion: 92 Resp: 192103  
Ion Ratio Lower Upper  
92 100  
91 176.7 143.0 214.4

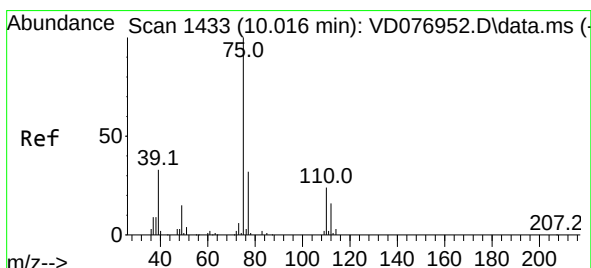
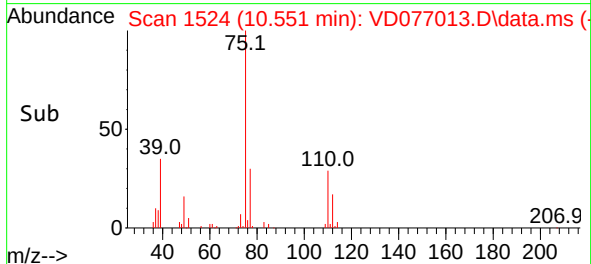
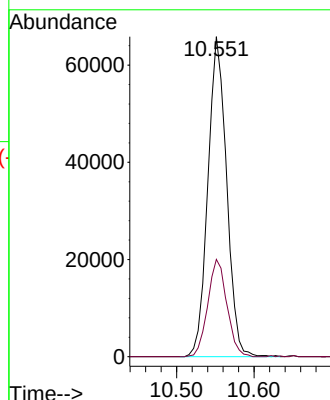
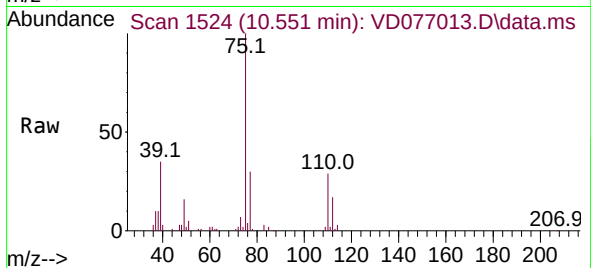




#53  
t-1,3-Dichloropropene  
Concen: 53.999 ug/l  
RT: 10.551 min Scan# 110329  
Delta R.T. 0.000 min  
Lab File: VD077013.D  
Acq: 14 Aug 2023 20:55

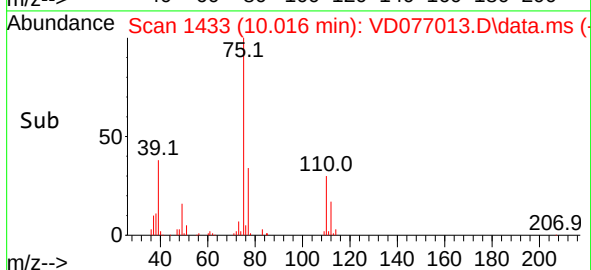
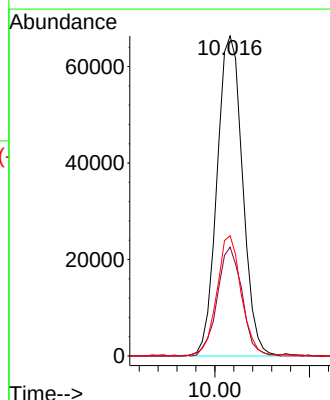
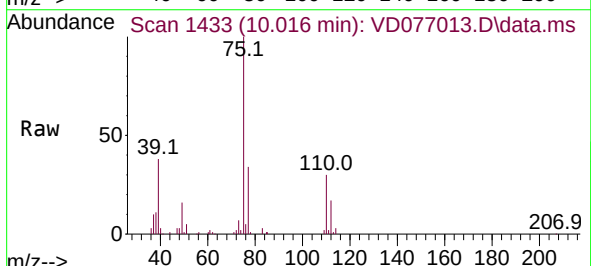
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

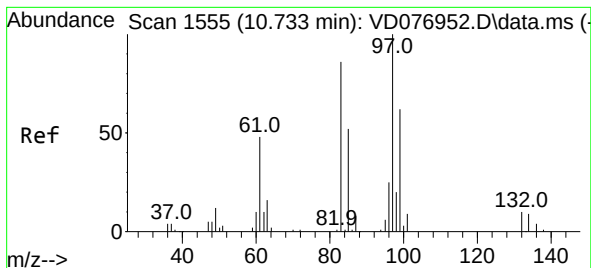
Tgt Ion: 75 Resp: 110329  
Ion Ratio Lower Upper  
75 100  
77 30.4 25.3 37.9



#54  
cis-1,3-Dichloropropene  
Concen: 52.447 ug/l  
RT: 10.016 min Scan# 1433  
Delta R.T. 0.000 min  
Lab File: VD077013.D  
Acq: 14 Aug 2023 20:55

Tgt Ion: 75 Resp: 124282  
Ion Ratio Lower Upper  
75 100  
77 34.0 25.5 38.3  
39 37.6 22.1 33.1#





#55

1,1,2-Trichloroethane

Concen: 56.833 ug/l

RT: 10.734 min Scan# 1555

Delta R.T. 0.001 min

Lab File: VD077013.D

Acq: 14 Aug 2023 20:55

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 97 Resp: 77003

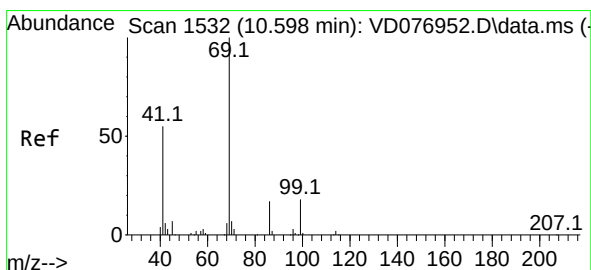
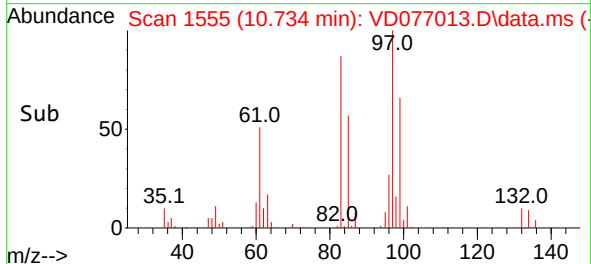
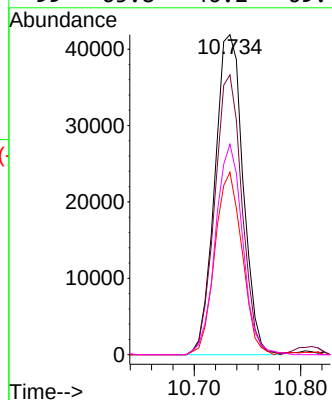
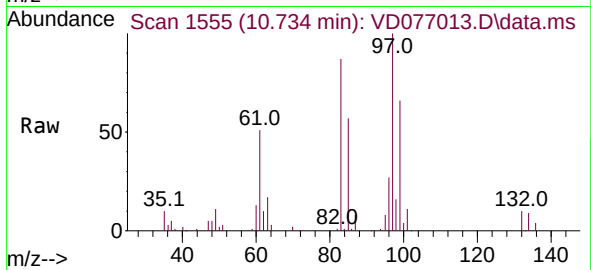
Ion Ratio Lower Upper

97 100

83 87.5 65.8 98.6

85 57.0 45.7 68.5

99 65.8 46.2 69.4



#56

Ethyl methacrylate

Concen: 59.846 ug/l

RT: 10.598 min Scan# 1532

Delta R.T. 0.000 min

Lab File: VD077013.D

Acq: 14 Aug 2023 20:55

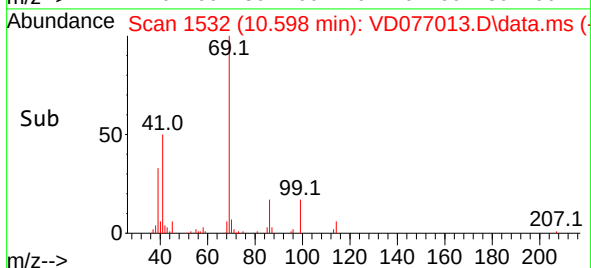
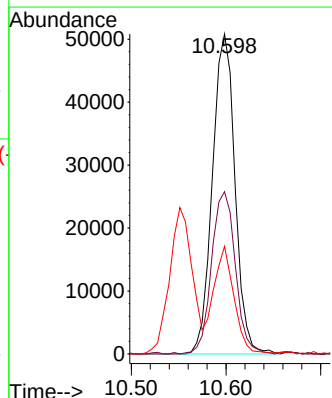
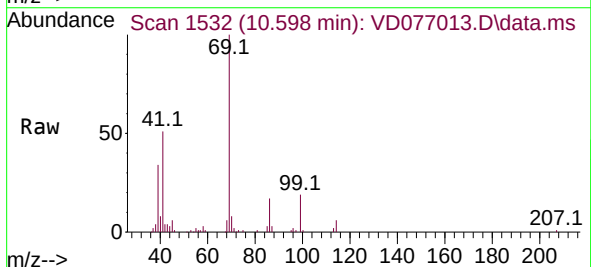
Tgt Ion: 69 Resp: 84043

Ion Ratio Lower Upper

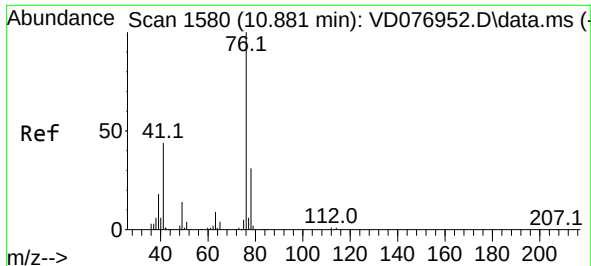
69 100

41 53.6 39.1 58.7

39 30.2 20.0 30.0#







#57

1,3-Dichloropropane

Concen: 55.053 ug/l

RT: 10.881 min Scan# 115883

Delta R.T. -0.000 min

Lab File: VD077013.D

Acq: 14 Aug 2023 20:55

Instrument :

MSVOA\_D

ClientSampleId :

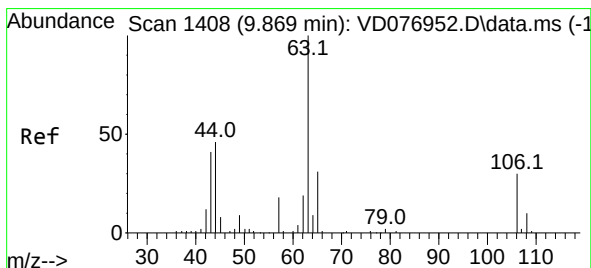
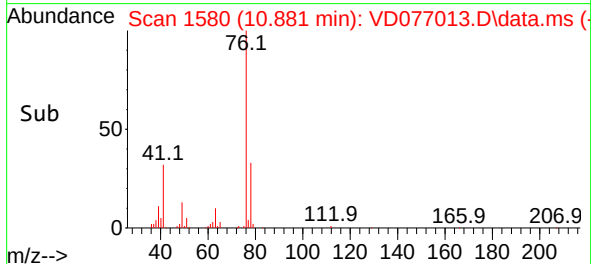
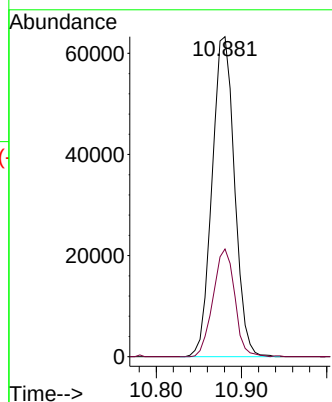
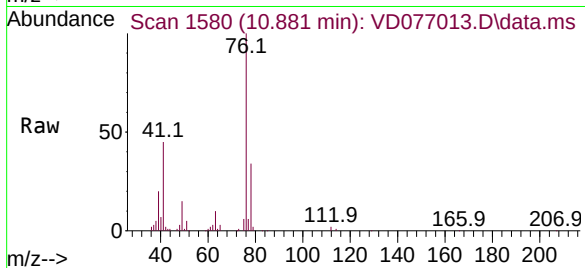
VSTDCCC050EC

Tgt Ion: 76 Resp: 115883

Ion Ratio Lower Upper

76 100

78 32.4 26.4 39.6



#58

2-Chloroethyl Vinyl ether

Concen: 259.037 ug/l

RT: 9.869 min Scan# 1408

Delta R.T. -0.000 min

Lab File: VD077013.D

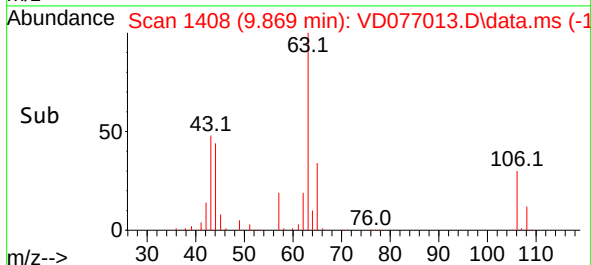
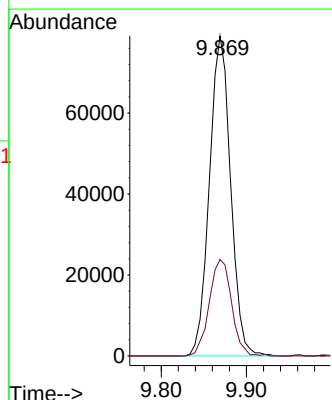
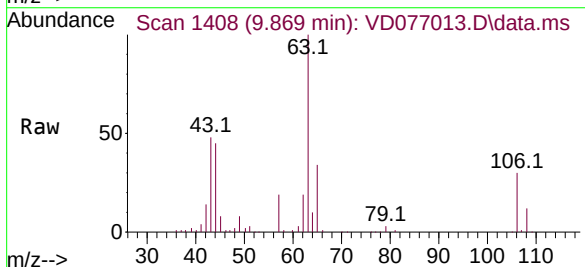
Acq: 14 Aug 2023 20:55

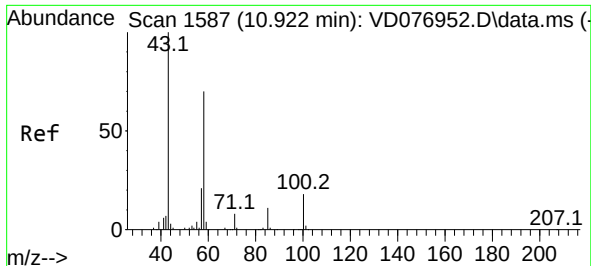
Tgt Ion: 63 Resp: 136748

Ion Ratio Lower Upper

63 100

106 31.7 25.3 37.9

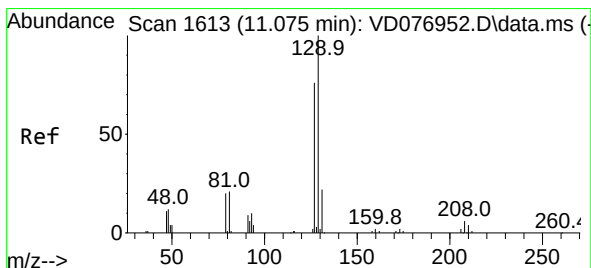
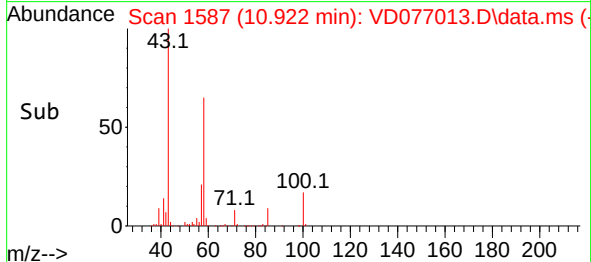
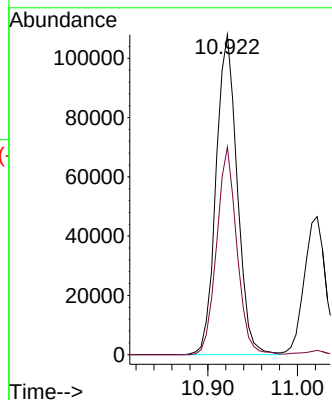
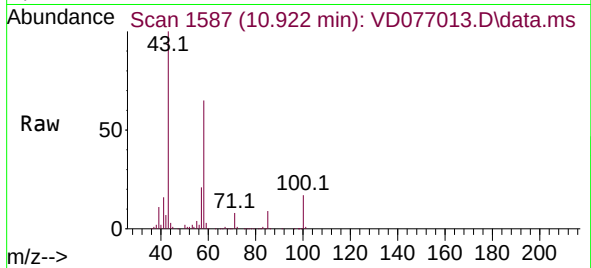




#59  
2-Hexanone  
Concen: 307.539 ug/l  
RT: 10.922 min Scan# 1587  
Delta R.T. -0.000 min  
Lab File: VD077013.D  
Acq: 14 Aug 2023 20:55

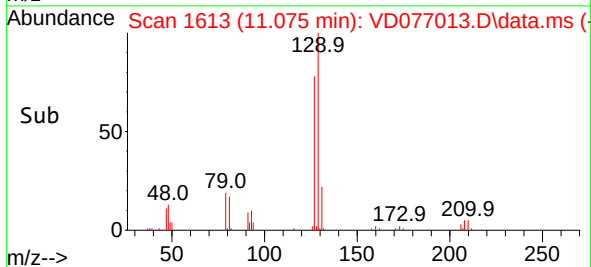
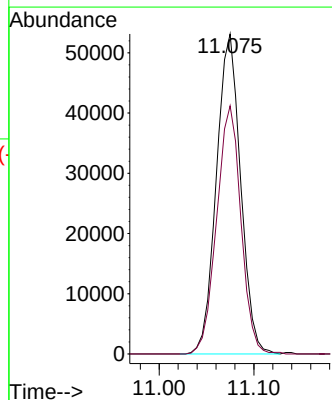
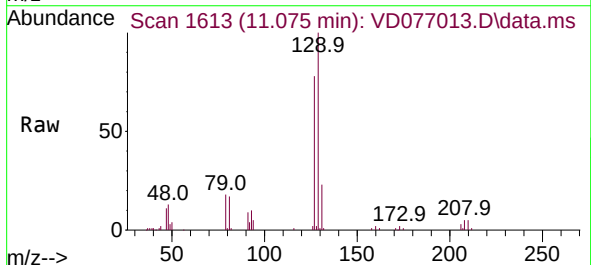
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

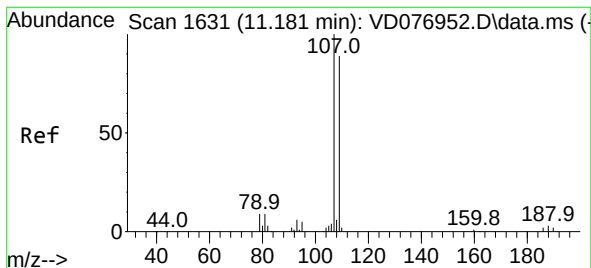
Tgt Ion: 43 Resp: 176675  
Ion Ratio Lower Upper  
43 100  
58 62.0 34.1 102.2



#60  
Dibromochloromethane  
Concen: 57.750 ug/l  
RT: 11.075 min Scan# 1613  
Delta R.T. -0.000 min  
Lab File: VD077013.D  
Acq: 14 Aug 2023 20:55

Tgt Ion: 129 Resp: 94365  
Ion Ratio Lower Upper  
129 100  
127 77.7 37.1 111.5

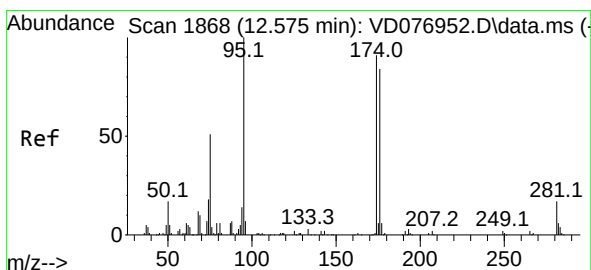
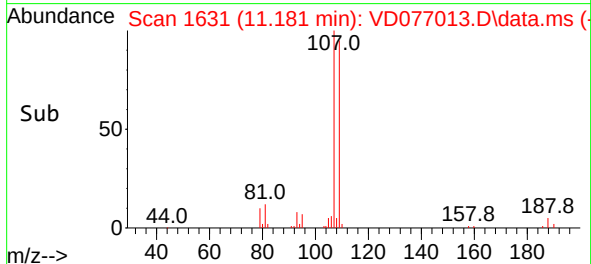
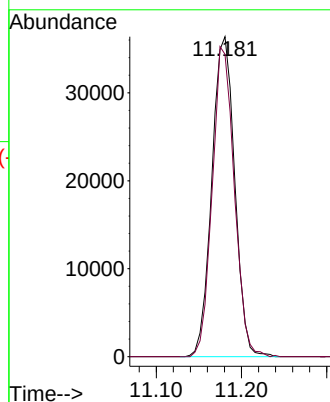
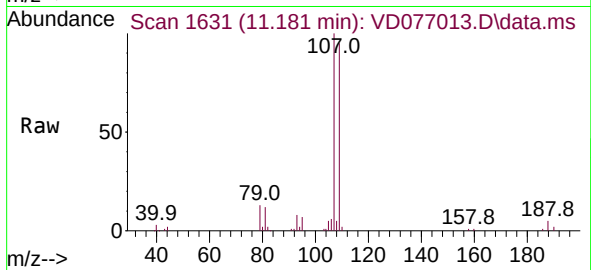




#61  
1,2-Dibromoethane  
Concen: 56.206 ug/l  
RT: 11.181 min Scan# 1631  
Delta R.T. -0.000 min  
Lab File: VD077013.D  
Acq: 14 Aug 2023 20:55

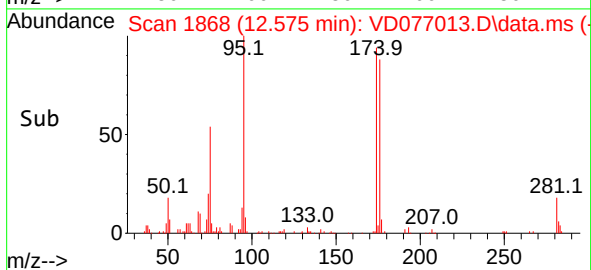
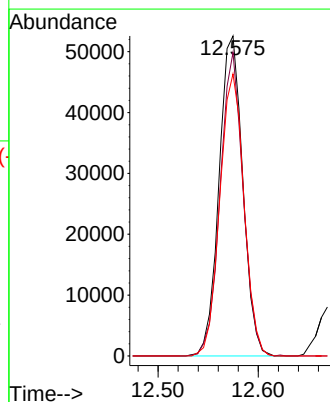
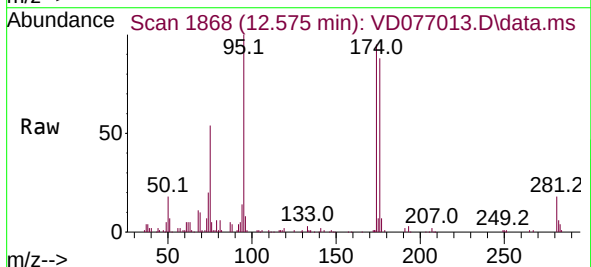
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

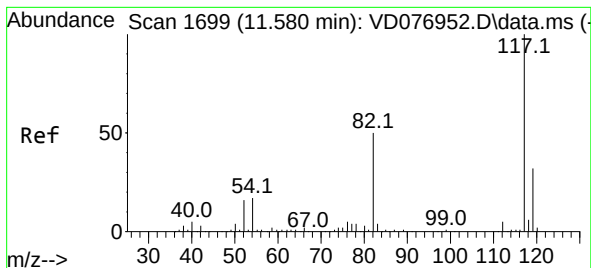
Tgt Ion:107 Resp: 67722  
Ion Ratio Lower Upper  
107 100  
109 93.5 75.6 113.4



#62  
4-Bromofluorobenzene  
Concen: 53.800 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. -0.000 min  
Lab File: VD077013.D  
Acq: 14 Aug 2023 20:55

Tgt Ion: 95 Resp: 86136  
Ion Ratio Lower Upper  
95 100  
174 91.5 0.0 201.8  
176 89.5 0.0 191.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. 0.001 min

Lab File: VD077013.D

Acq: 14 Aug 2023 20:55

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

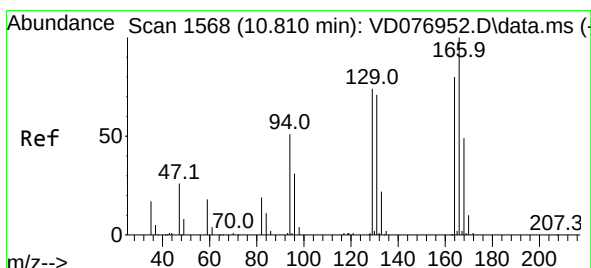
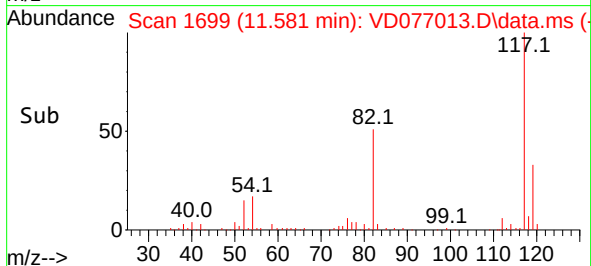
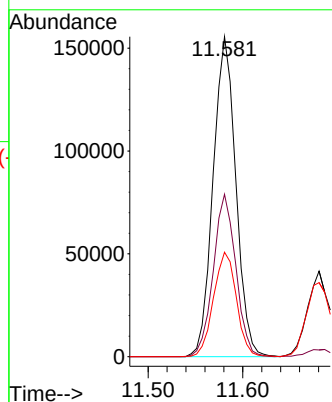
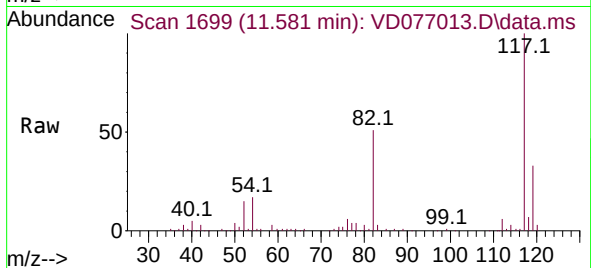
Tgt Ion:117 Resp: 259261

Ion Ratio Lower Upper

117 100

82 50.8 38.3 57.5

119 32.6 25.0 37.4



#64

Tetrachloroethene

Concen: 52.843 ug/l

RT: 10.810 min Scan# 1568

Delta R.T. 0.000 min

Lab File: VD077013.D

Acq: 14 Aug 2023 20:55

Tgt Ion:164 Resp: 68964

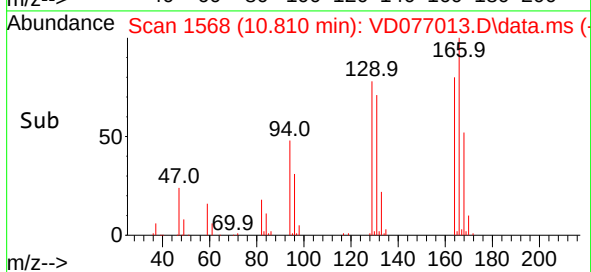
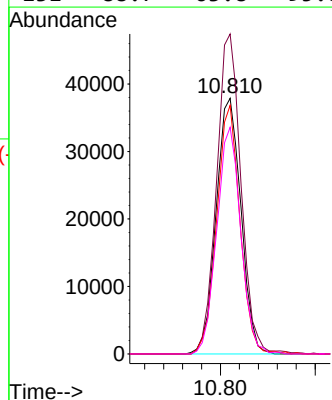
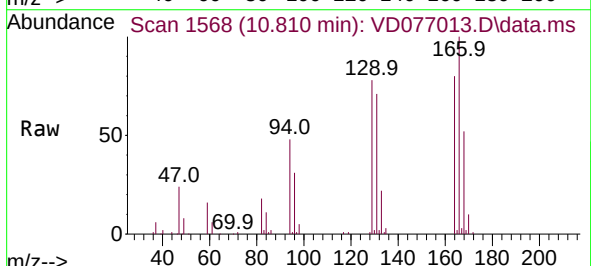
Ion Ratio Lower Upper

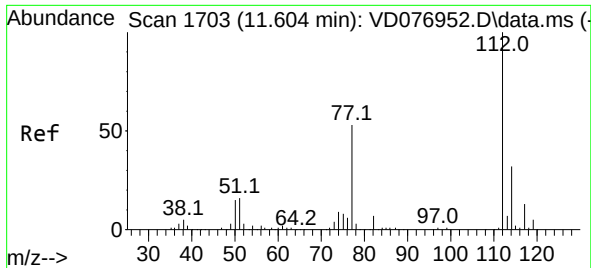
164 100

166 125.1 99.2 148.8

129 97.2 68.4 102.6

131 88.7 63.8 95.8

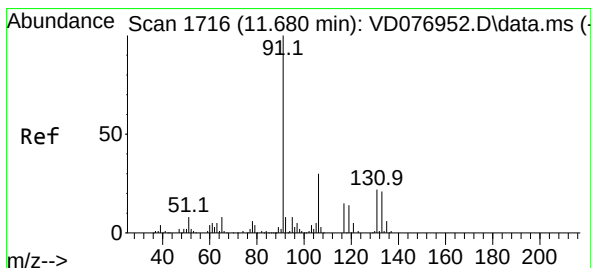
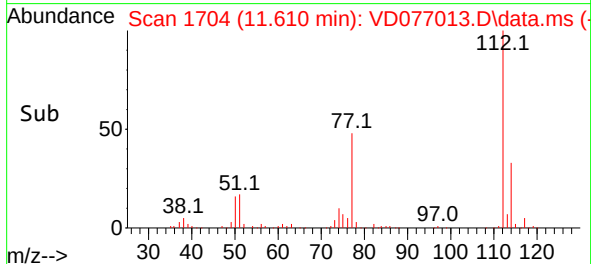
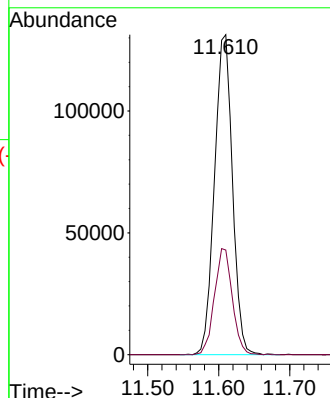
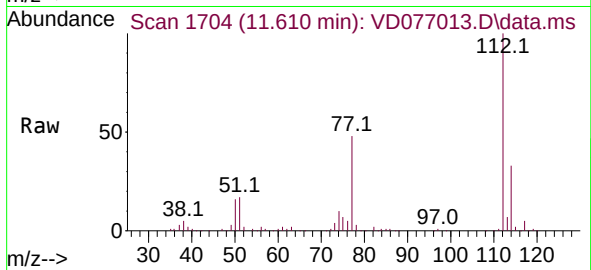




#65  
Chlorobenzene  
Concen: 50.111 ug/l  
RT: 11.610 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VD077013.D  
Acq: 14 Aug 2023 20:55

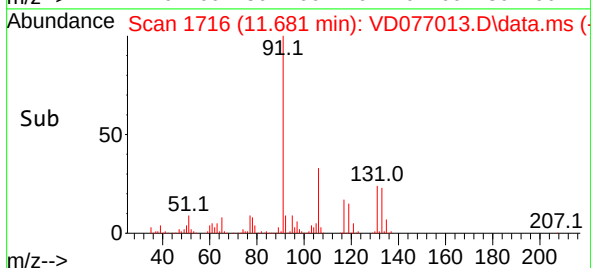
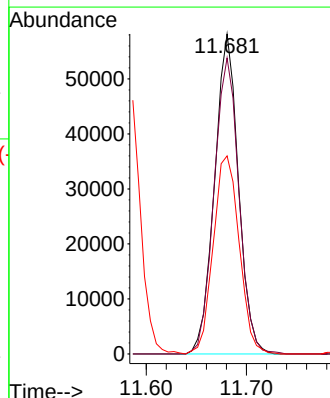
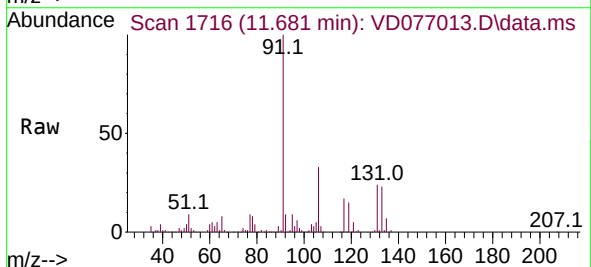
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

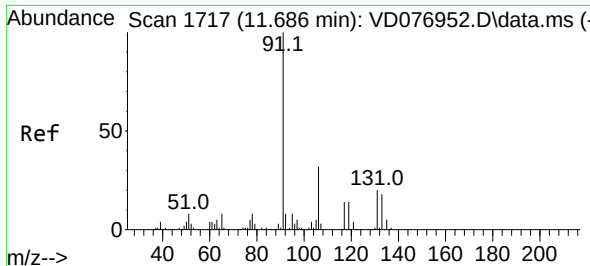
Tgt Ion:112 Resp: 229842  
Ion Ratio Lower Upper  
112 100  
114 32.7 25.1 37.7



#66  
1,1,1,2-Tetrachloroethane  
Concen: 53.191 ug/l  
RT: 11.681 min Scan# 1716  
Delta R.T. 0.001 min  
Lab File: VD077013.D  
Acq: 14 Aug 2023 20:55

Tgt Ion:131 Resp: 96272  
Ion Ratio Lower Upper  
131 100  
133 96.3 48.5 145.5  
119 67.2 35.6 106.9

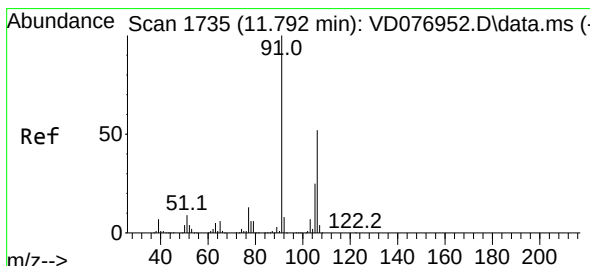
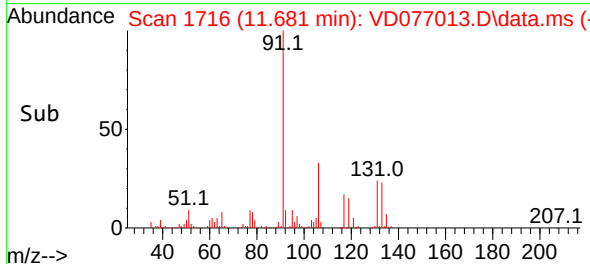
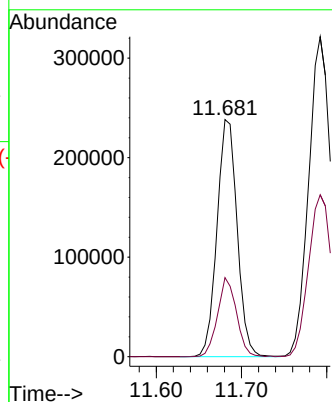
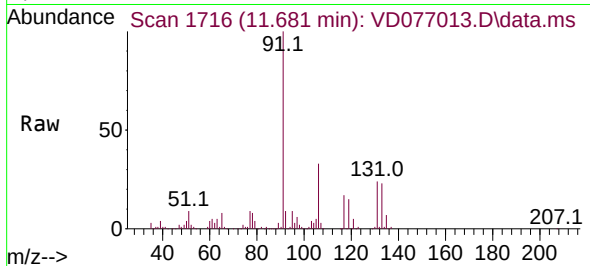




#67  
Ethyl Benzene  
Concen: 50.635 ug/l  
RT: 11.681 min Scan# 1716  
Delta R.T. -0.005 min  
Lab File: VD077013.D  
Acq: 14 Aug 2023 20:55

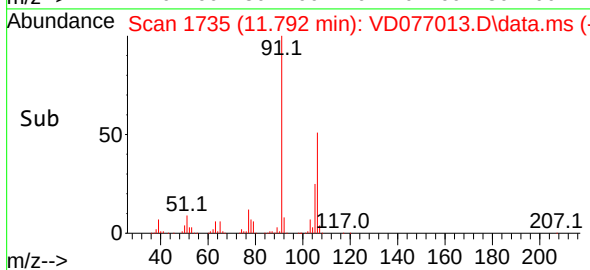
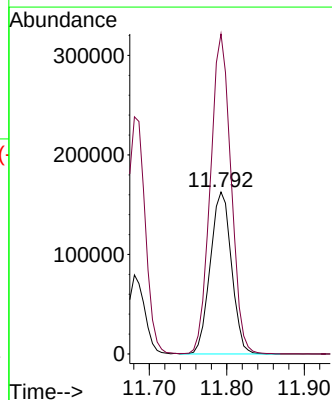
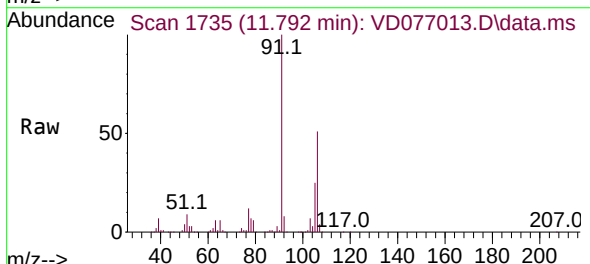
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

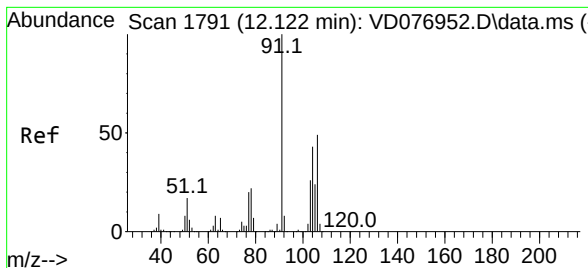
Tgt Ion: 91 Resp: 391829  
Ion Ratio Lower Upper  
91 100  
106 33.4 26.5 39.7



#68  
m/p-Xylenes  
Concen: 102.959 ug/l  
RT: 11.792 min Scan# 1735  
Delta R.T. 0.000 min  
Lab File: VD077013.D  
Acq: 14 Aug 2023 20:55

Tgt Ion:106 Resp: 309438  
Ion Ratio Lower Upper  
106 100  
91 192.2 147.0 220.6

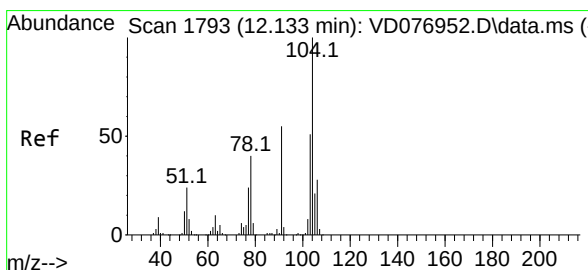
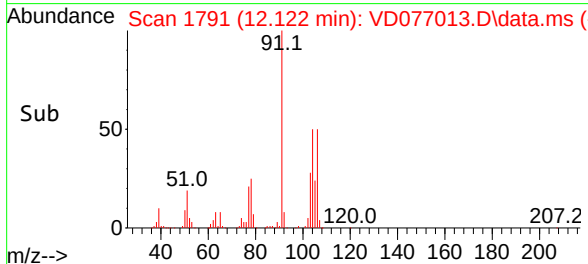
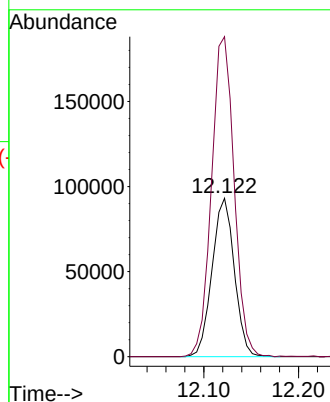
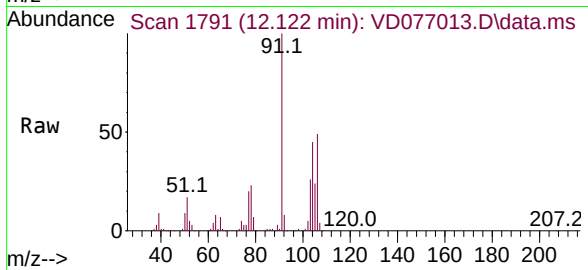




#69  
o-Xylene  
Concen: 52.735 ug/l  
RT: 12.122 min Scan# 1791  
Delta R.T. -0.000 min  
Lab File: VD077013.D  
Acq: 14 Aug 2023 20:55

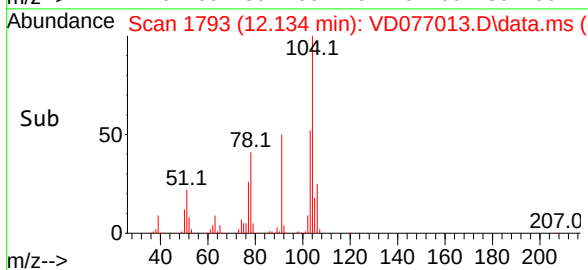
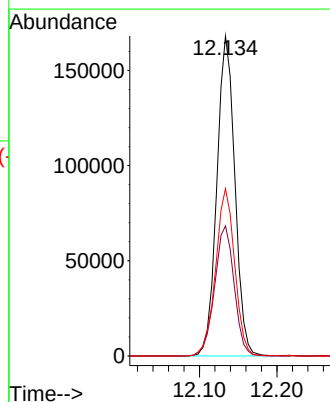
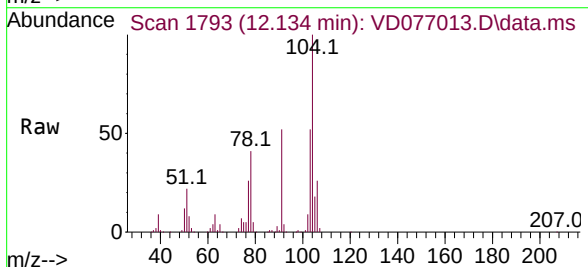
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

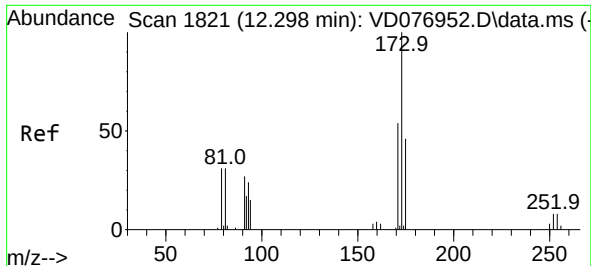
Tgt Ion:106 Resp: 151994  
Ion Ratio Lower Upper  
106 100  
91 205.3 97.9 293.6



#70  
Styrene  
Concen: 52.955 ug/l  
RT: 12.134 min Scan# 1793  
Delta R.T. 0.001 min  
Lab File: VD077013.D  
Acq: 14 Aug 2023 20:55

Tgt Ion:104 Resp: 272095  
Ion Ratio Lower Upper  
104 100  
78 43.8 33.2 49.8  
103 55.2 43.6 65.4

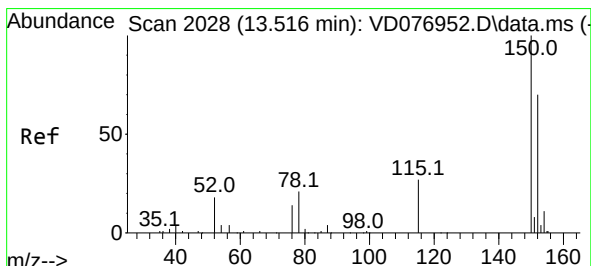
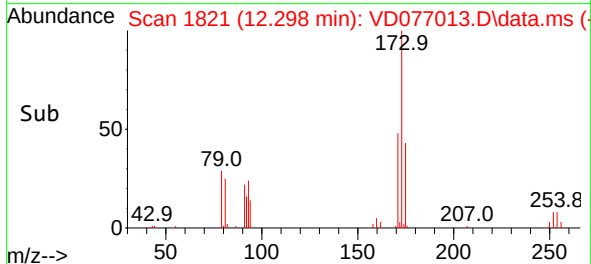
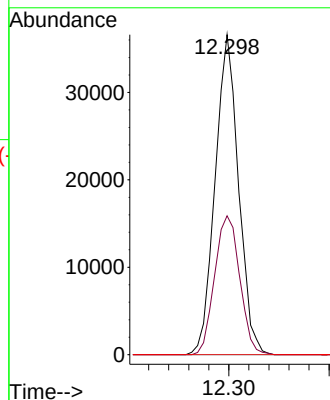
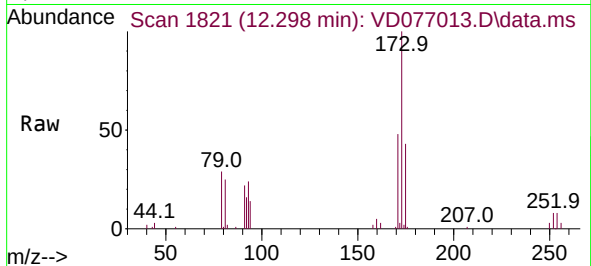




#71  
Bromoform  
Concen: 59.109 ug/l  
RT: 12.298 min Scan# 1821  
Delta R.T. 0.000 min  
Lab File: VD077013.D  
Acq: 14 Aug 2023 20:55

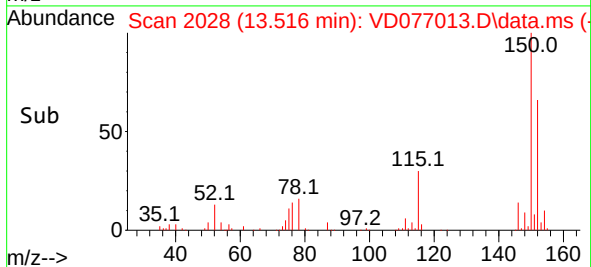
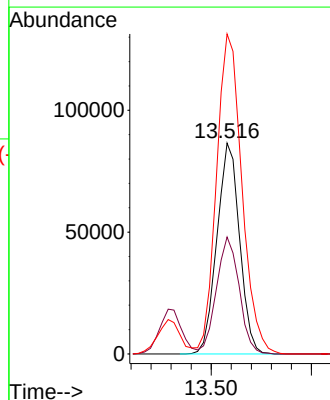
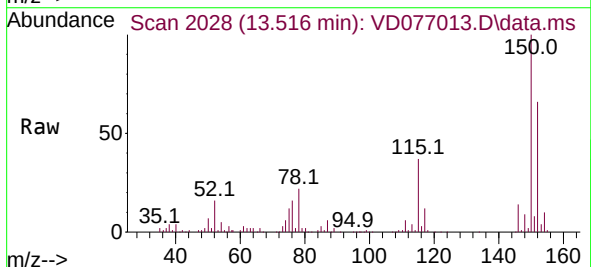
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion:173 Resp: 59309  
Ion Ratio Lower Upper  
173 100  
175 46.6 24.6 73.8  
254 0.0 0.0 0.0

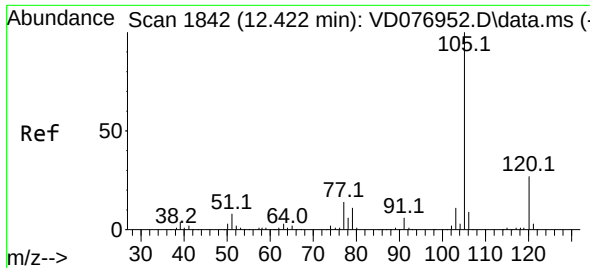


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.516 min Scan# 2028  
Delta R.T. -0.000 min  
Lab File: VD077013.D  
Acq: 14 Aug 2023 20:55

Tgt Ion:152 Resp: 135569  
Ion Ratio Lower Upper  
152 100  
115 55.6 27.1 81.3  
150 170.7 0.0 353.6



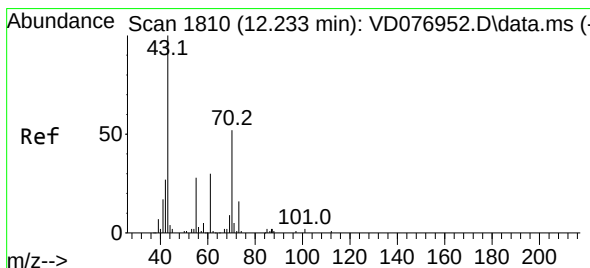
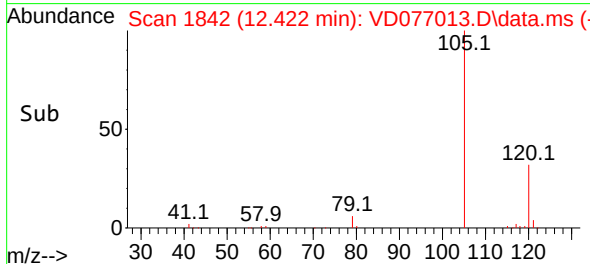
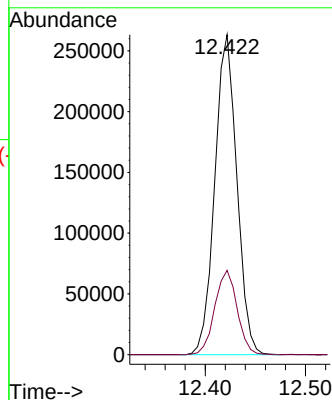
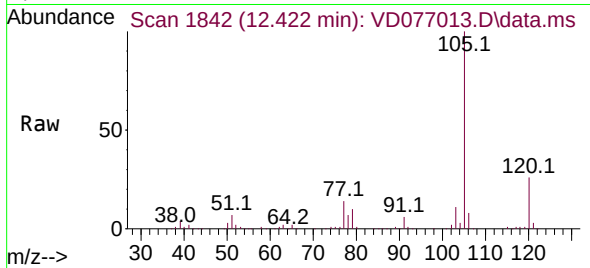




#73  
Isopropylbenzene  
Concen: 47.099 ug/l  
RT: 12.422 min Scan# 1842  
Delta R.T. -0.000 min  
Lab File: VD077013.D  
Acq: 14 Aug 2023 20:55

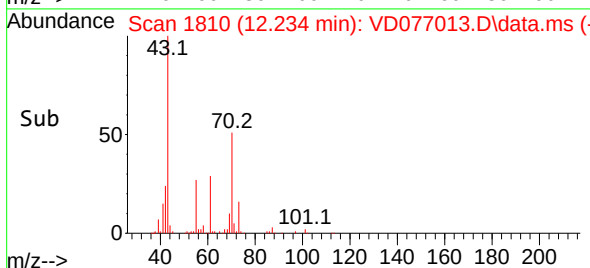
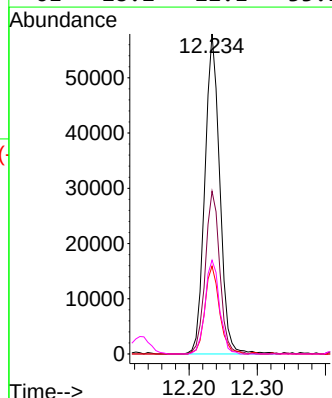
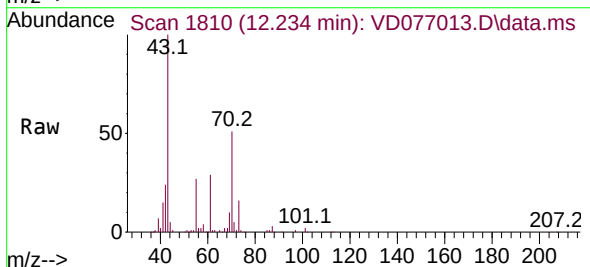
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

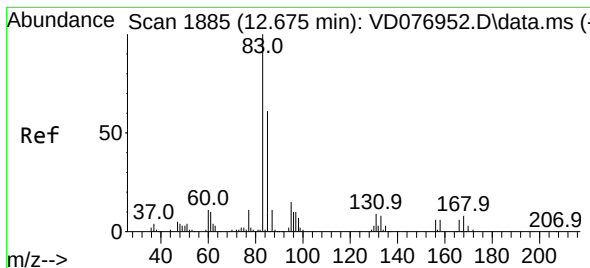
Tgt Ion:105 Resp: 401807  
Ion Ratio Lower Upper  
105 100  
120 26.7 14.3 42.9



#74  
N-ethyl acetate  
Concen: 51.944 ug/l  
RT: 12.234 min Scan# 1810  
Delta R.T. 0.001 min  
Lab File: VD077013.D  
Acq: 14 Aug 2023 20:55

Tgt Ion: 43 Resp: 88288  
Ion Ratio Lower Upper  
43 100  
70 49.3 45.0 67.4  
55 26.6 23.8 35.6  
61 28.2 22.1 33.1





#75

1,1,2,2-Tetrachloroethane

Concen: 51.786 ug/l

RT: 12.675 min Scan# 1885

Delta R.T. -0.000 min

Lab File: VD077013.D

Acq: 14 Aug 2023 20:55

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

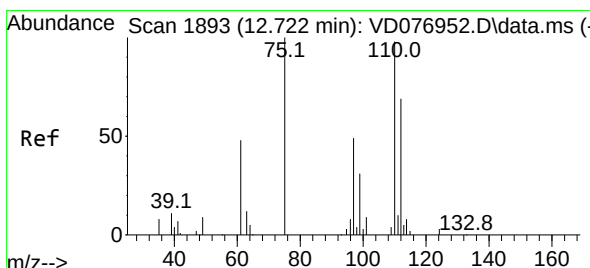
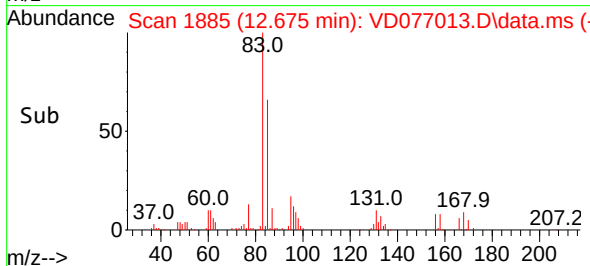
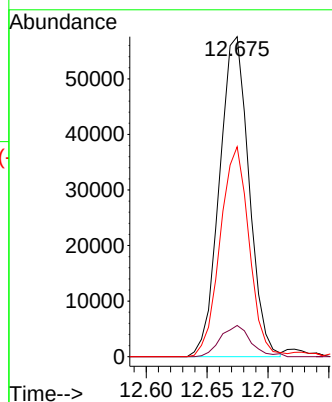
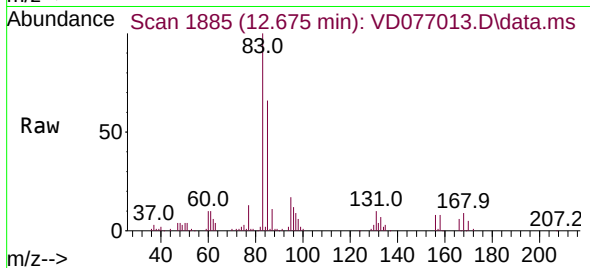
Tgt Ion: 83 Resp: 97348

Ion Ratio Lower Upper

83 100

131 10.0 5.1 15.3

85 64.2 32.6 97.8



#76

1,2,3-Trichloropropane

Concen: 86.374 ug/l

RT: 12.722 min Scan# 1893

Delta R.T. -0.000 min

Lab File: VD077013.D

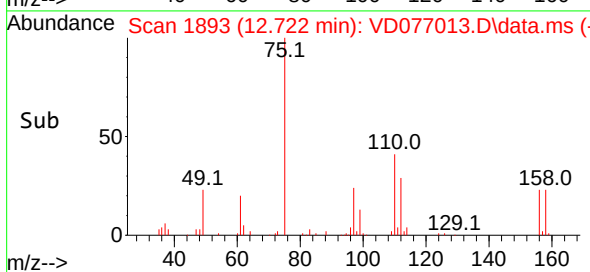
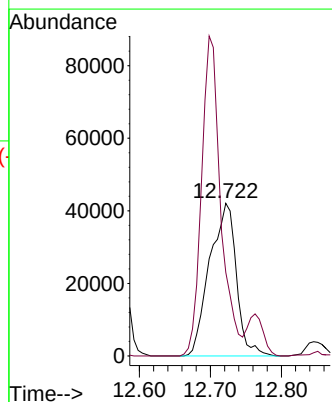
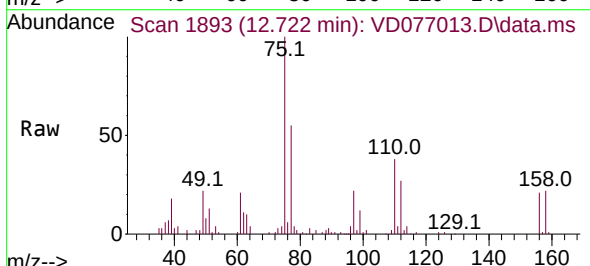
Acq: 14 Aug 2023 20:55

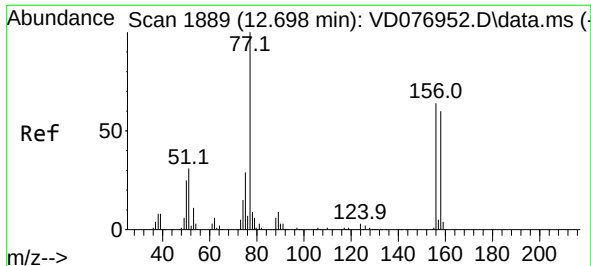
Tgt Ion: 75 Resp: 109848

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

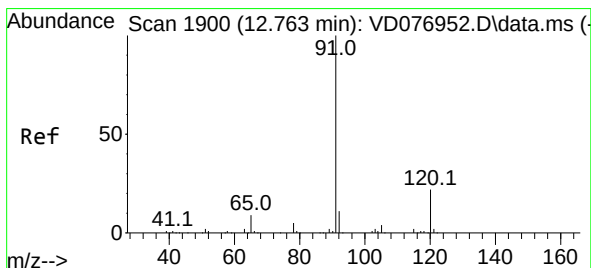
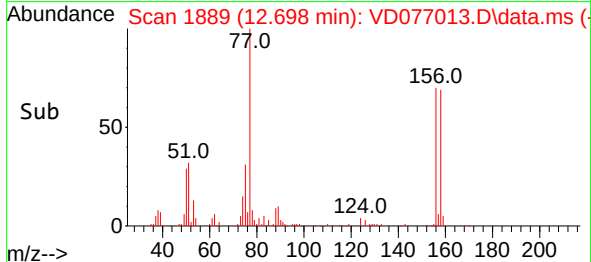
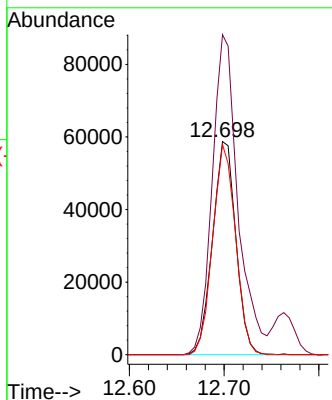
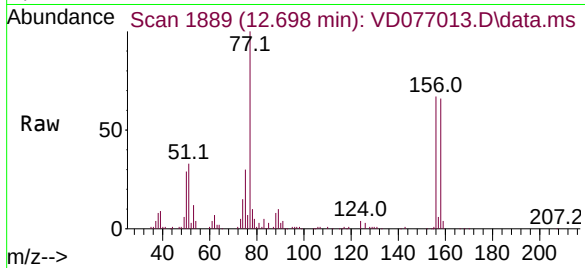




#77  
Bromobenzene  
Concen: 48.422 ug/l  
RT: 12.698 min Scan# 1889  
Delta R.T. 0.000 min  
Lab File: VD077013.D  
Acq: 14 Aug 2023 20:55

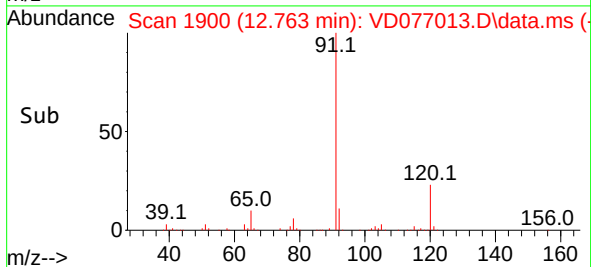
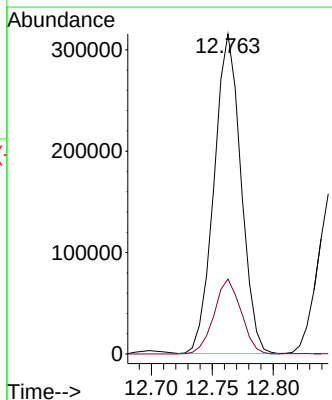
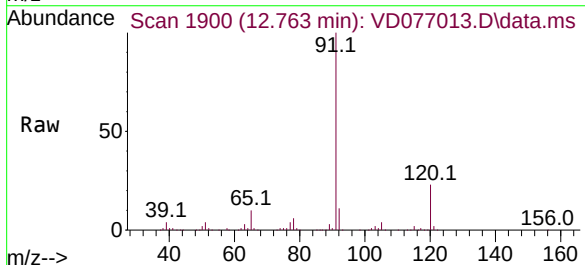
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

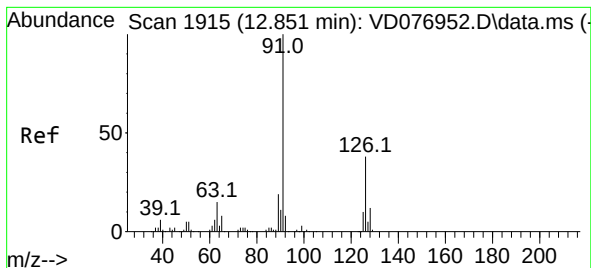
Tgt Ion:156 Resp: 100518  
Ion Ratio Lower Upper  
156 100  
77 165.9 76.8 230.4  
158 96.6 48.6 145.9



#78  
n-propylbenzene  
Concen: 46.676 ug/l  
RT: 12.763 min Scan# 1900  
Delta R.T. -0.000 min  
Lab File: VD077013.D  
Acq: 14 Aug 2023 20:55

Tgt Ion: 91 Resp: 484385  
Ion Ratio Lower Upper  
91 100  
120 23.5 12.4 37.2





#79

2-Chlorotoluene

Concen: 47.079 ug/l

RT: 12.851 min Scan# 1915

Delta R.T. 0.000 min

Lab File: VD077013.D

Acq: 14 Aug 2023 20:55

Instrument :

MSVOA\_D

ClientSampleId :

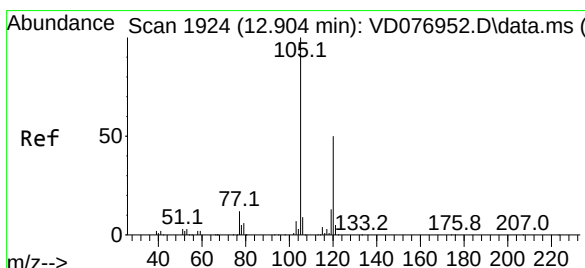
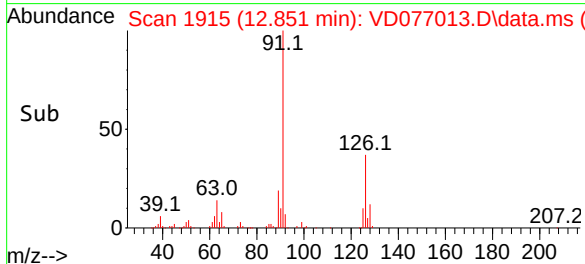
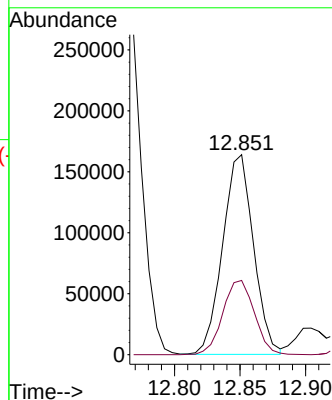
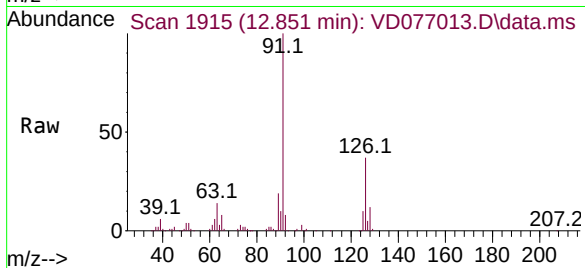
VSTDCCC050EC

Tgt Ion: 91 Resp: 268609

Ion Ratio Lower Upper

91 100

126 38.0 19.4 58.1



#80

1,3,5-Trimethylbenzene

Concen: 48.611 ug/l

RT: 12.904 min Scan# 1924

Delta R.T. 0.000 min

Lab File: VD077013.D

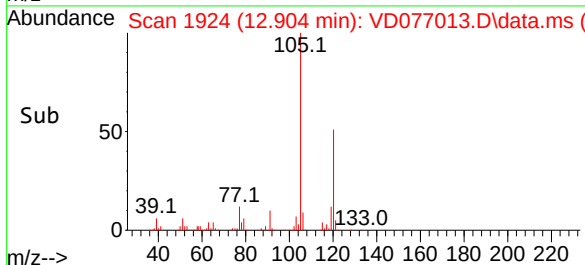
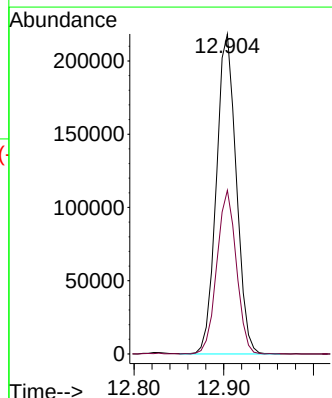
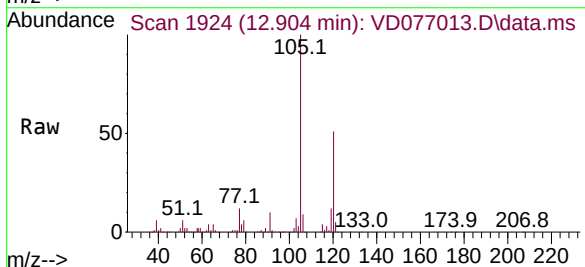
Acq: 14 Aug 2023 20:55

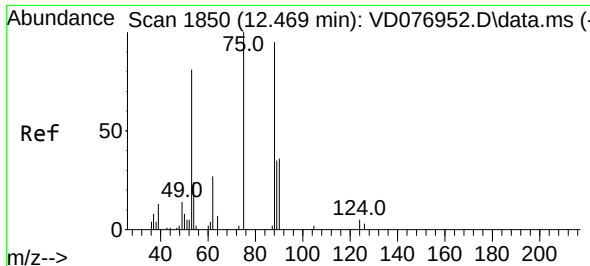
Tgt Ion: 105 Resp: 336615

Ion Ratio Lower Upper

105 100

120 50.0 26.4 79.2

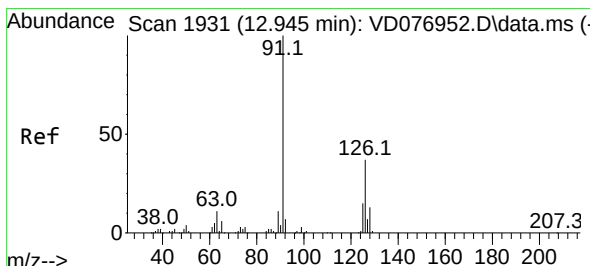
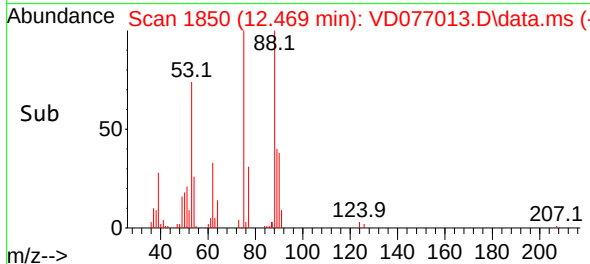
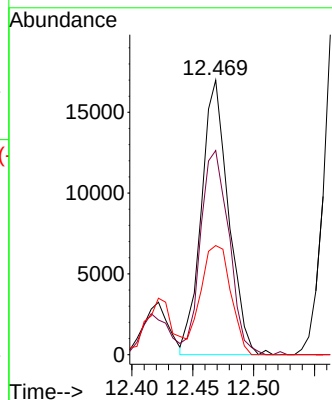
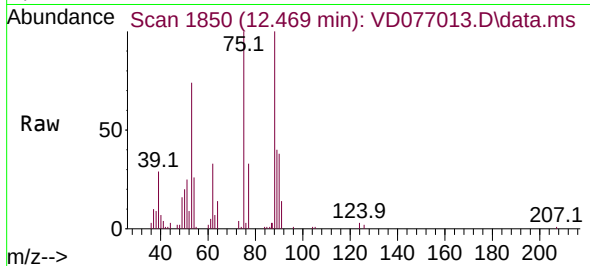




#81  
trans-1,4-Dichloro-2-butene  
Concen: 48.778 ug/l  
RT: 12.469 min Scan# 1850  
Delta R.T. -0.000 min  
Lab File: VD077013.D  
Acq: 14 Aug 2023 20:55

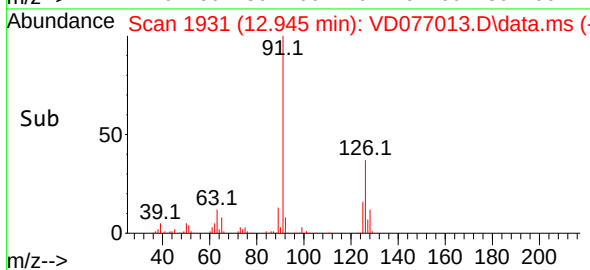
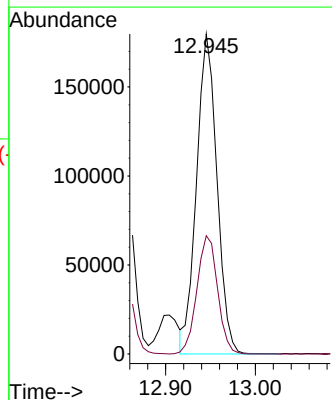
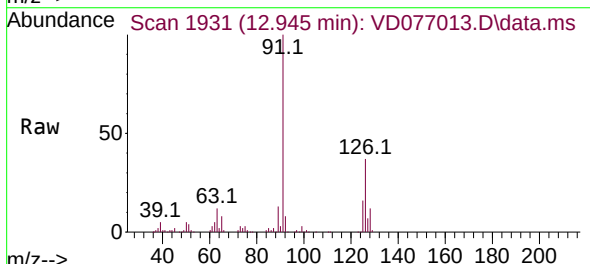
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

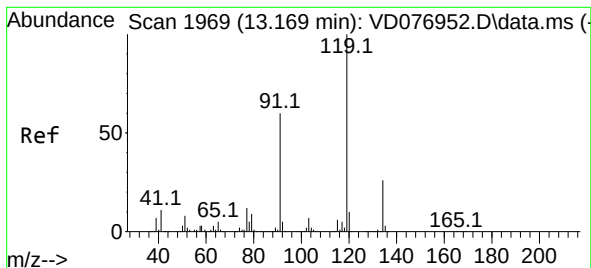
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 26404 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 53        | 77.6  | 63.0  | 94.4  |
| 89        | 43.7  | 37.9  | 56.9  |



#82  
4-Chlorotoluene  
Concen: 47.586 ug/l  
RT: 12.945 min Scan# 1931  
Delta R.T. 0.000 min  
Lab File: VD077013.D  
Acq: 14 Aug 2023 20:55

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 284158 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 126       | 37.4  | 19.4  | 58.4   |





#83

tert-Butylbenzene

Concen: 48.359 ug/l

RT: 13.163 min Scan# 1969

Delta R.T. -0.006 min

Lab File: VD077013.D

Acq: 14 Aug 2023 20:55

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

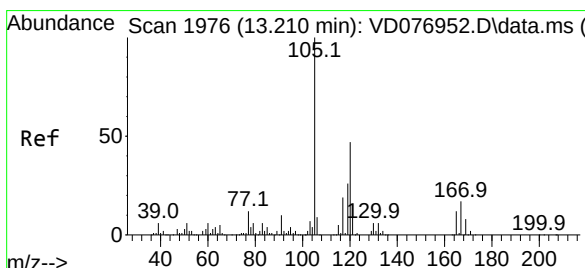
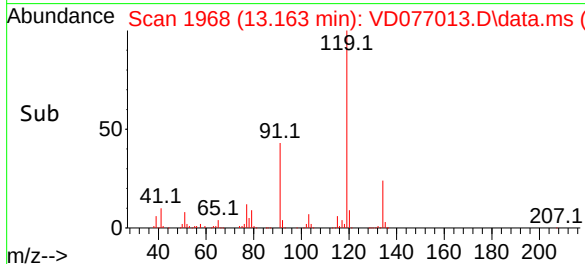
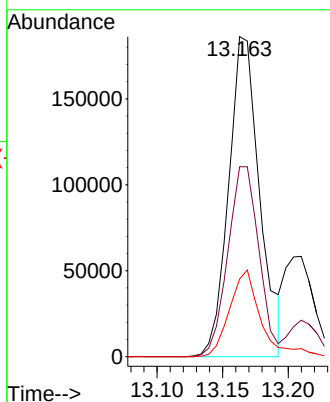
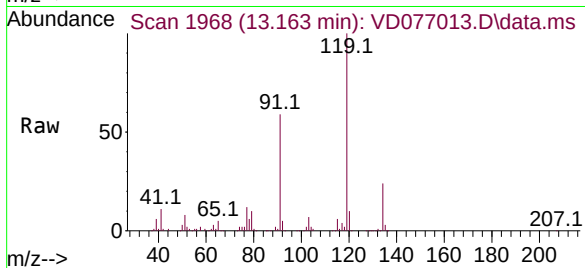
Tgt Ion:119 Resp: 307062

Ion Ratio Lower Upper

119 100

91 59.4 29.3 87.8

134 27.3 14.1 42.3



#84

1,2,4-Trimethylbenzene

Concen: 48.826 ug/l

RT: 13.210 min Scan# 1976

Delta R.T. -0.000 min

Lab File: VD077013.D

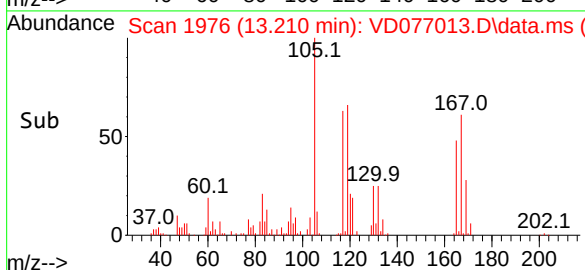
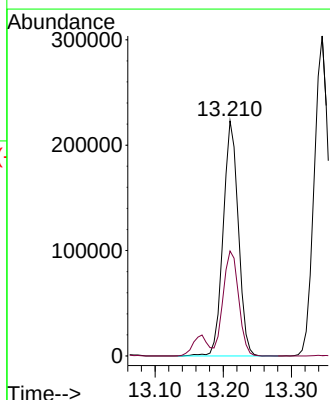
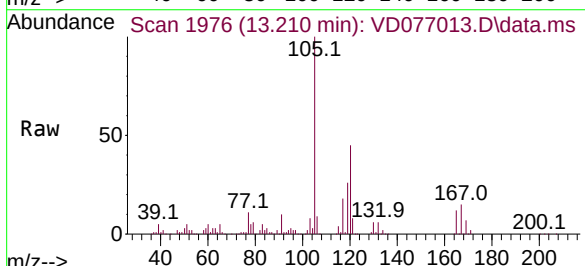
Acq: 14 Aug 2023 20:55

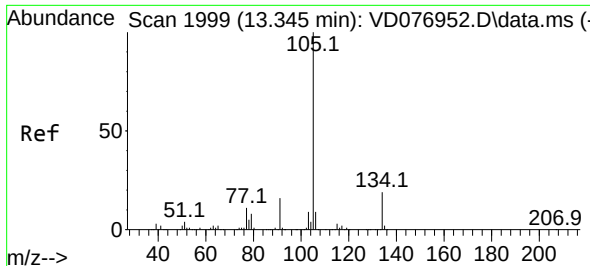
Tgt Ion:105 Resp: 344512

Ion Ratio Lower Upper

105 100

120 45.5 24.3 72.9

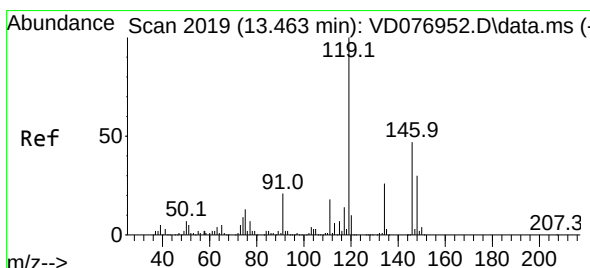
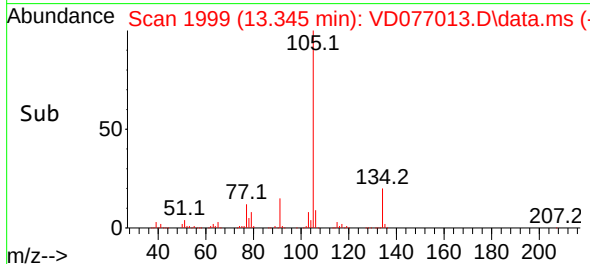
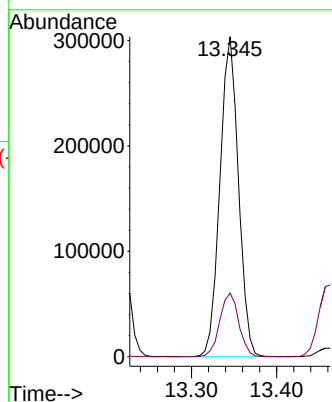
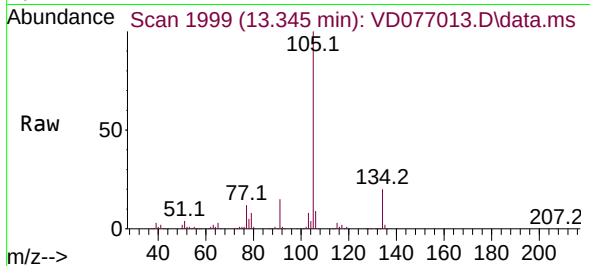




#85  
 sec-Butylbenzene  
 Concen: 47.715 ug/l  
 RT: 13.345 min Scan# 1999  
 Delta R.T. 0.000 min  
 Lab File: VD077013.D  
 Acq: 14 Aug 2023 20:55

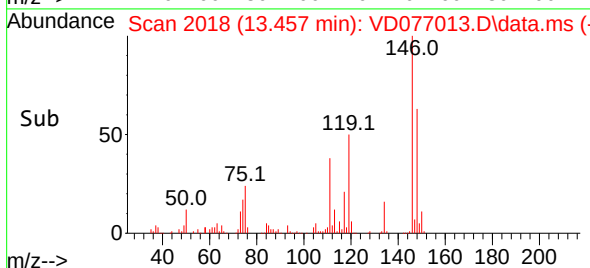
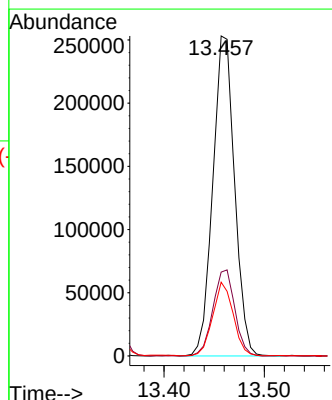
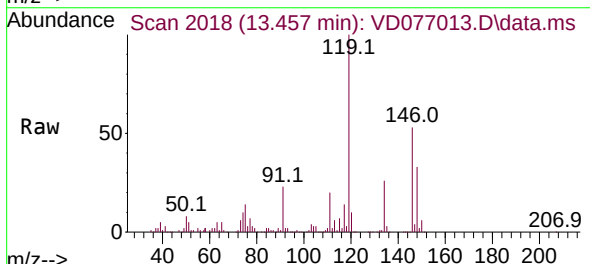
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

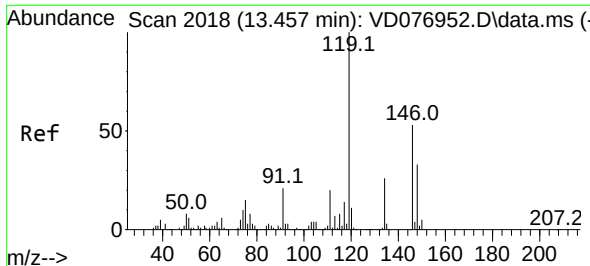
Tgt Ion:105 Resp: 457694  
 Ion Ratio Lower Upper  
 105 100  
 134 20.4 10.9 32.9



#86  
 p-Isopropyltoluene  
 Concen: 48.075 ug/l  
 RT: 13.457 min Scan# 2018  
 Delta R.T. -0.006 min  
 Lab File: VD077013.D  
 Acq: 14 Aug 2023 20:55

Tgt Ion:119 Resp: 380882  
 Ion Ratio Lower Upper  
 119 100  
 134 27.0 14.2 42.6  
 91 21.6 10.5 31.5

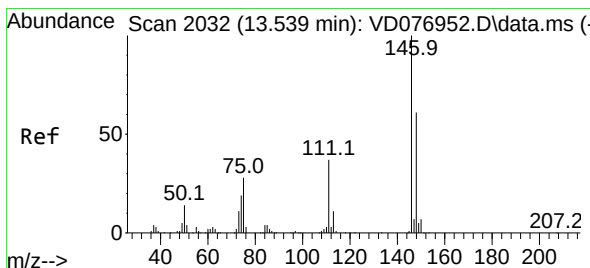
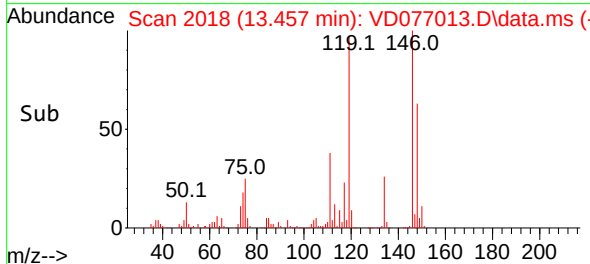
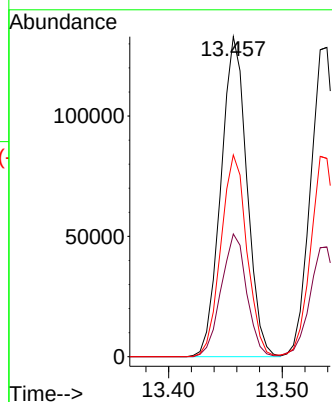
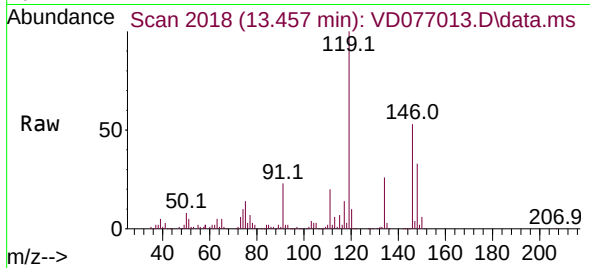




#87  
1,3-Dichlorobenzene  
Concen: 49.249 ug/l  
RT: 13.457 min Scan# 2018  
Delta R.T. 0.000 min  
Lab File: VD077013.D  
Acq: 14 Aug 2023 20:55

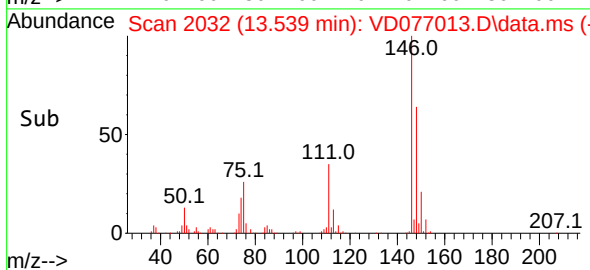
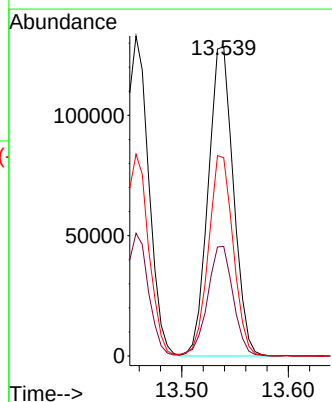
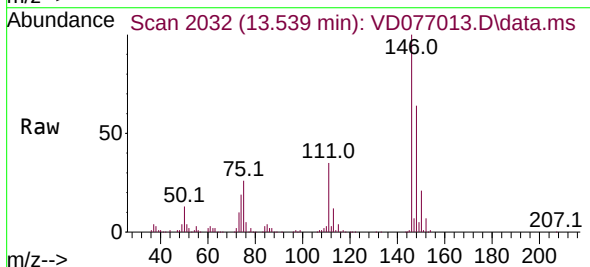
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion:146 Resp: 212067  
Ion Ratio Lower Upper  
146 100  
111 37.5 17.9 53.8  
148 62.8 32.3 96.8

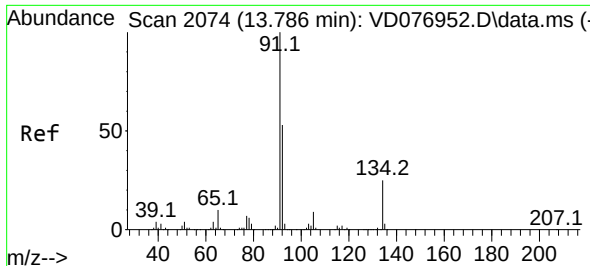


#88  
1,4-Dichlorobenzene  
Concen: 49.286 ug/l  
RT: 13.539 min Scan# 2032  
Delta R.T. 0.000 min  
Lab File: VD077013.D  
Acq: 14 Aug 2023 20:55

Tgt Ion:146 Resp: 211584  
Ion Ratio Lower Upper  
146 100  
111 35.9 17.4 52.3  
148 63.7 31.7 95.1



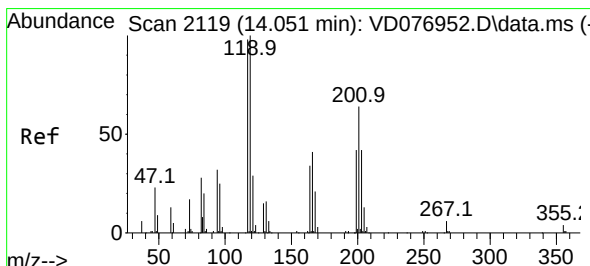
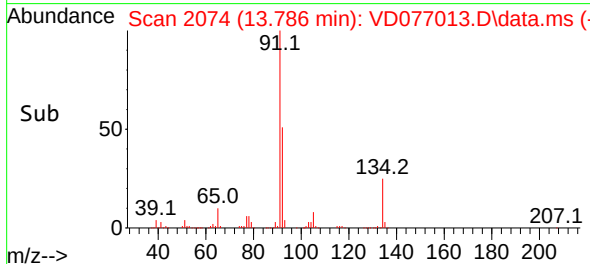
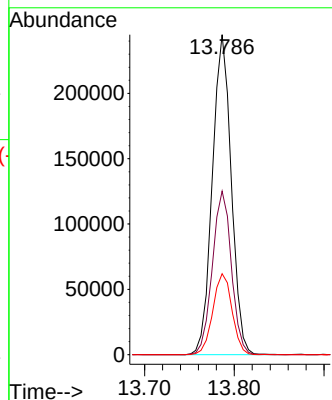
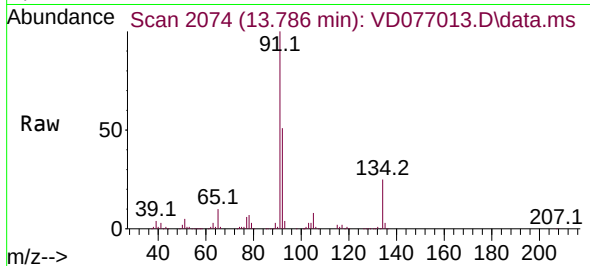




#89  
n-Butylbenzene  
Concen: 47.485 ug/l  
RT: 13.786 min Scan# 2074  
Delta R.T. 0.000 min  
Lab File: VD077013.D  
Acq: 14 Aug 2023 20:55

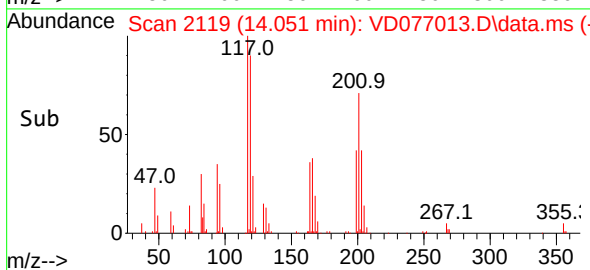
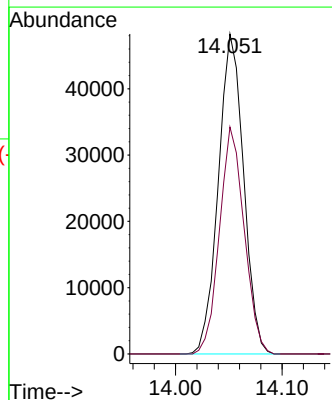
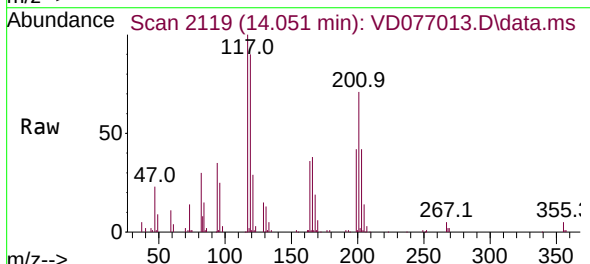
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

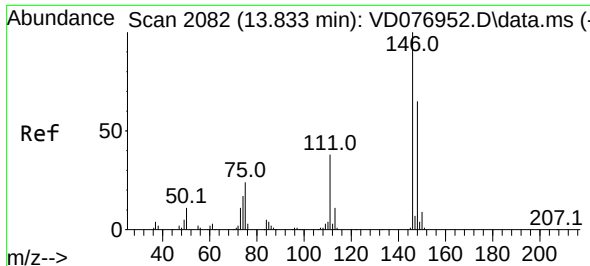
Tgt Ion: 91 Resp: 358355  
Ion Ratio Lower Upper  
91 100  
92 51.5 26.5 79.5  
134 25.7 13.8 41.3



#90  
Hexachloroethane  
Concen: 49.577 ug/l  
RT: 14.051 min Scan# 2119  
Delta R.T. 0.000 min  
Lab File: VD077013.D  
Acq: 14 Aug 2023 20:55

Tgt Ion: 117 Resp: 79371  
Ion Ratio Lower Upper  
117 100  
201 69.4 38.5 115.5

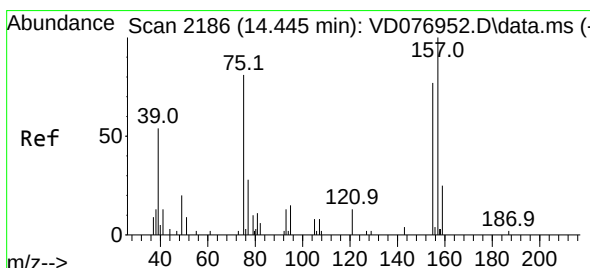
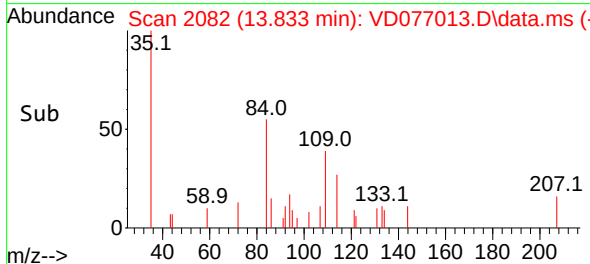
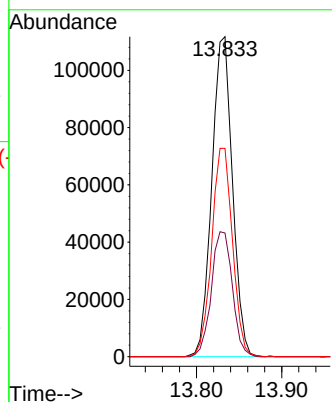
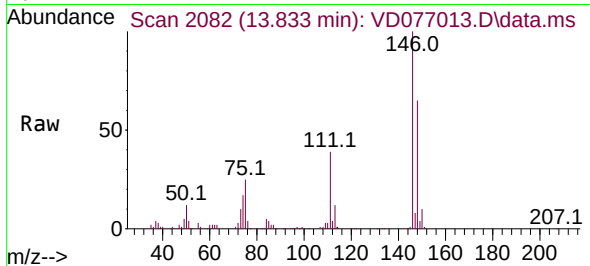




#91  
1,2-Dichlorobenzene  
Concen: 49.110 ug/l  
RT: 13.833 min Scan# 2082  
Delta R.T. 0.000 min  
Lab File: VD077013.D  
Acq: 14 Aug 2023 20:55

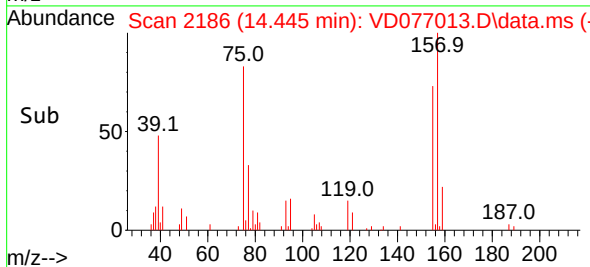
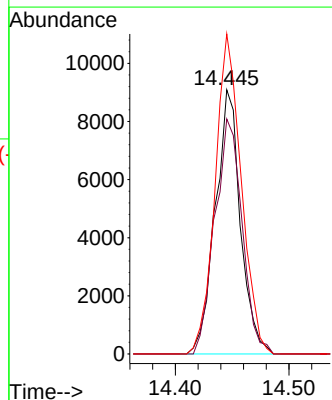
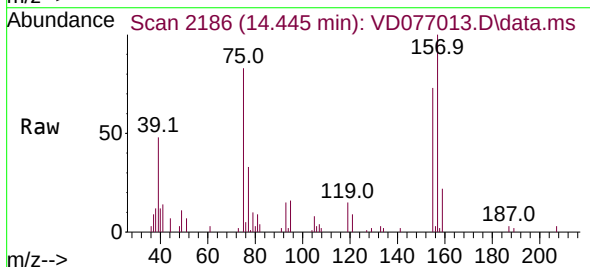
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

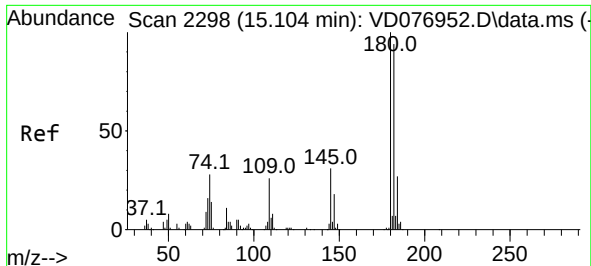
Tgt Ion:146 Resp: 188011  
Ion Ratio Lower Upper  
146 100  
111 39.7 18.3 54.8  
148 65.6 31.6 94.7



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 54.866 ug/l  
RT: 14.445 min Scan# 2186  
Delta R.T. 0.000 min  
Lab File: VD077013.D  
Acq: 14 Aug 2023 20:55

Tgt Ion: 75 Resp: 14023  
Ion Ratio Lower Upper  
75 100  
155 96.0 47.9 143.8  
157 125.5 59.9 179.7

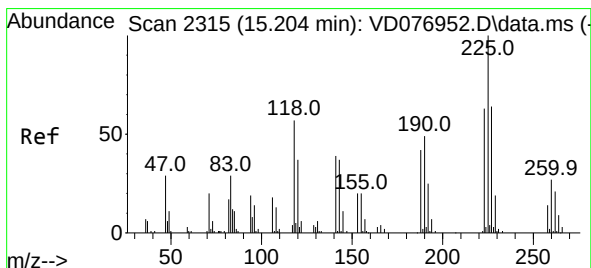
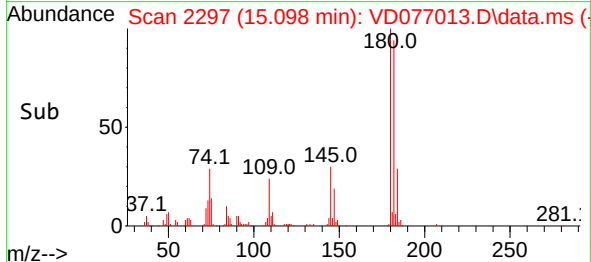
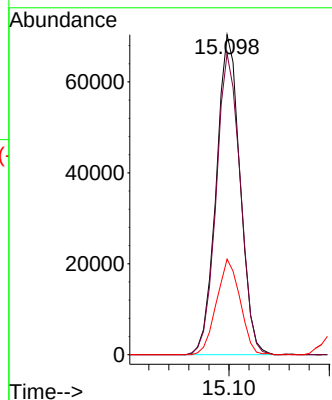
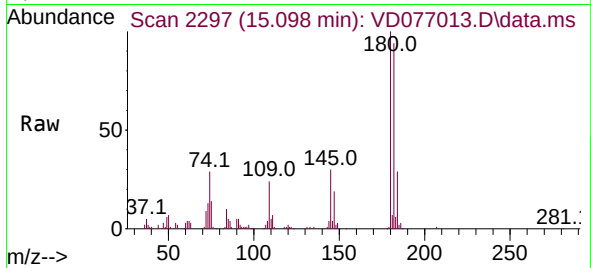




#93  
1,2,4-Trichlorobenzene  
Concen: 48.901 ug/l  
RT: 15.098 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VD077013.D  
Acq: 14 Aug 2023 20:55

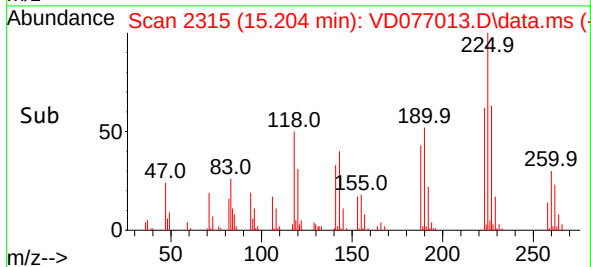
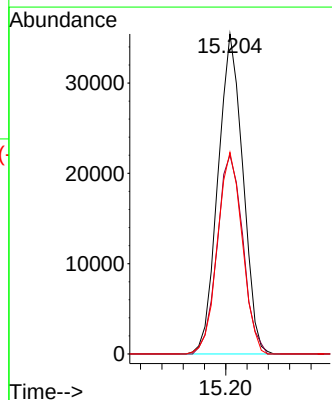
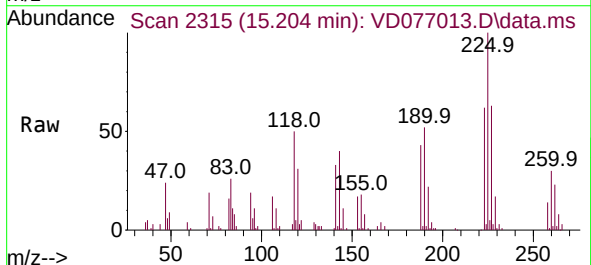
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

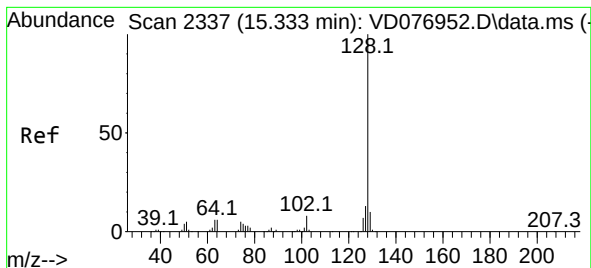
Tgt Ion:180 Resp: 115789  
Ion Ratio Lower Upper  
180 100  
182 95.1 48.5 145.6  
145 29.6 14.2 42.6



#94  
Hexachlorobutadiene  
Concen: 48.514 ug/l  
RT: 15.204 min Scan# 2315  
Delta R.T. -0.000 min  
Lab File: VD077013.D  
Acq: 14 Aug 2023 20:55

Tgt Ion:225 Resp: 57468  
Ion Ratio Lower Upper  
225 100  
223 64.1 31.6 94.8  
227 62.8 31.7 95.1





#95

Naphthalene

Concen: 53.096 ug/l

RT: 15.333 min Scan# 21

Delta R.T. 0.000 min

Lab File: VD077013.D

Acq: 14 Aug 2023 20:55

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

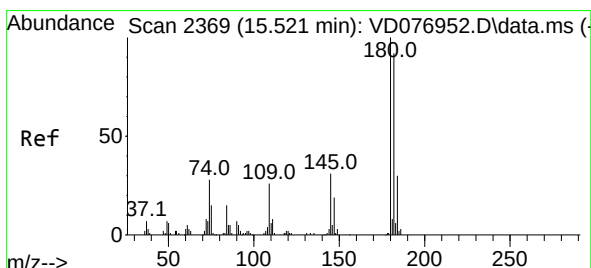
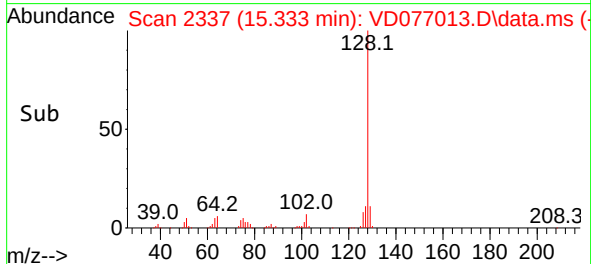
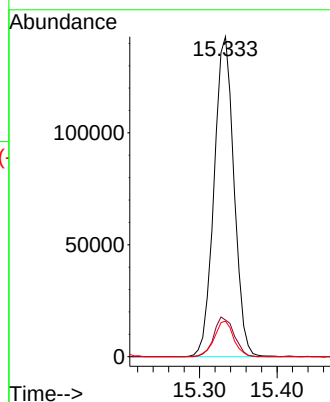
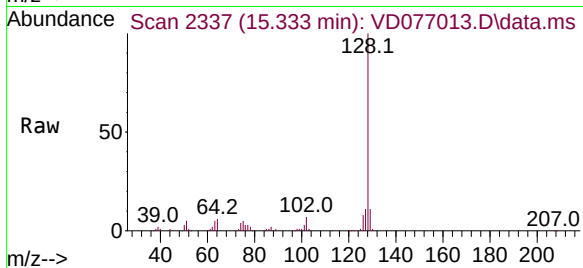
Tgt Ion:128 Resp: 255699

Ion Ratio Lower Upper

128 100

127 11.4 10.5 15.7

129 11.1 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 50.629 ug/l

RT: 15.522 min Scan# 2369

Delta R.T. 0.001 min

Lab File: VD077013.D

Acq: 14 Aug 2023 20:55

Tgt Ion:180 Resp: 106885

Ion Ratio Lower Upper

180 100

182 96.0 47.3 141.9

145 32.0 15.1 45.3

