

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD022024\  
 Data File : VD078473.D  
 Acq On : 20 Feb 2024 09:33  
 Operator : RP/MD  
 Sample : VSTDCCC050  
 Misc : 5.00G/5ml/MSVOA\_D/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Feb 21 05:19:38 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D021324S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 14 01:16:20 2024  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|------------------------------|--------|-------|----------|----------|-------|----------|
| -----                        |        |       |          |          |       |          |
| Internal Standards           |        |       |          |          |       |          |
| 1) Pentafluorobenzene        | 7.881  | 168   | 134554   | 50.000   | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene      | 8.781  | 114   | 223091   | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5         | 11.580 | 117   | 204985   | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.516 | 152   | 104164   | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds  |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4    | 8.239  | 65    | 70082    | 48.171   | ug/l  | 0.00     |
| Spiked Amount                | 50.000 | Range | 50 - 163 | Recovery | =     | 96.340%  |
| 35) Dibromofluoromethane     | 7.804  | 113   | 79650    | 56.206   | ug/l  | 0.00     |
| Spiked Amount                | 50.000 | Range | 54 - 147 | Recovery | =     | 112.420% |
| 50) Toluene-d8               | 10.269 | 98    | 320907   | 56.609   | ug/l  | 0.00     |
| Spiked Amount                | 50.000 | Range | 58 - 134 | Recovery | =     | 113.220% |
| 62) 4-Bromofluorobenzene     | 12.575 | 95    | 89782    | 54.425   | ug/l  | 0.00     |
| Spiked Amount                | 50.000 | Range | 30 - 143 | Recovery | =     | 108.840% |
| Target Compounds             |        |       |          |          |       |          |
|                              |        |       |          |          |       | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.940  | 85    | 70392    | 53.096   | ug/l  | 98       |
| 3) Chloromethane             | 2.157  | 50    | 106338   | 43.646   | ug/l  | 100      |
| 4) Vinyl Chloride            | 2.293  | 62    | 162747   | 43.775   | ug/l  | 100      |
| 5) Bromomethane              | 2.704  | 94    | 128046   | 49.897   | ug/l  | 100      |
| 6) Chloroethane              | 2.846  | 64    | 122027   | 45.012   | ug/l  | 99       |
| 7) Trichlorofluoromethane    | 3.181  | 101   | 129473   | 51.626   | ug/l  | 97       |
| 8) Diethyl Ether             | 3.599  | 74    | 33298    | 46.096   | ug/l  | 88       |
| 9) 1,1,2-Trichlorotrifluo... | 3.975  | 101   | 80394    | 50.814   | ug/l  | 97       |
| 10) Methyl Iodide            | 4.175  | 142   | 78170    | 55.164   | ug/l  | # 91     |
| 11) Tert butyl alcohol       | 5.057  | 59    | 15934    | 200.967  | ug/l  | # 73     |
| 12) 1,1-Dichloroethene       | 3.946  | 96    | 75320    | 51.349   | ug/l  | 96       |
| 13) Acrolein                 | 3.799  | 56    | 17466    | 129.951  | ug/l  | 99       |
| 14) Allyl chloride           | 4.569  | 41    | 87459    | 48.265   | ug/l  | 95       |
| 15) Acrylonitrile            | 5.263  | 53    | 70424    | 227.738  | ug/l  | 99       |
| 16) Acetone                  | 4.028  | 43    | 78233    | 284.013  | ug/l  | # 80     |
| 17) Carbon Disulfide         | 4.281  | 76    | 231743   | 46.952   | ug/l  | 99       |
| 18) Methyl Acetate           | 4.575  | 43    | 55759    | 52.663   | ug/l  | 97       |
| 19) Methyl tert-butyl Ether  | 5.316  | 73    | 147638   | 47.374   | ug/l  | 96       |
| 20) Methylene Chloride       | 4.810  | 84    | 86147    | 52.421   | ug/l  | # 85     |
| 21) trans-1,2-Dichloroethene | 5.316  | 96    | 88409    | 51.234   | ug/l  | 92       |
| 22) Diisopropyl ether        | 6.222  | 45    | 198438   | 49.685   | ug/l  | 98       |
| 23) Vinyl Acetate            | 6.163  | 43    | 426090   | 260.915  | ug/l  | 93       |
| 24) 1,1-Dichloroethane       | 6.116  | 63    | 143172   | 50.603   | ug/l  | 96       |
| 25) 2-Butanone               | 7.087  | 43    | 93201    | 253.038  | ug/l  | 94       |
| 26) 2,2-Dichloropropane      | 7.087  | 77    | 123033   | 51.873   | ug/l  | 96       |
| 27) cis-1,2-Dichloroethene   | 7.087  | 96    | 97813    | 51.665   | ug/l  | 98       |
| 28) Bromochloromethane       | 7.428  | 49    | 53741    | 47.956   | ug/l  | 82       |
| 29) Tetrahydrofuran          | 7.445  | 42    | 48374    | 223.580  | ug/l  | 91       |
| 30) Chloroform               | 7.598  | 83    | 155244   | 51.860   | ug/l  | 91       |
| 31) Cyclohexane              | 7.881  | 56    | 117037   | 47.556   | ug/l  | 99       |
| 32) 1,1,1-Trichloroethane    | 7.798  | 97    | 134762   | 52.801   | ug/l  | 99       |
| 36) 1,1-Dichloropropene      | 8.010  | 75    | 120690   | 54.823   | ug/l  | 97       |
| 37) Ethyl Acetate            | 7.175  | 43    | 33891    | 43.917   | ug/l  | 96       |
| 38) Carbon Tetrachloride     | 7.992  | 117   | 119974   | 55.030   | ug/l  | 93       |
| 39) Methylcyclohexane        | 9.275  | 83    | 142915   | 54.684   | ug/l  | 98       |
| 40) Benzene                  | 8.251  | 78    | 344999   | 54.218   | ug/l  | 98       |

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 ClientSampleId :  
 VSTDCCC050

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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D021324S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 14 01:16:20 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.404  | 41   | 20616    | 51.331  | ug/l # | 90       |
| 42) 1,2-Dichloroethane        | 8.328  | 62   | 83412    | 50.661  | ug/l   | 97       |
| 43) Isopropyl Acetate         | 8.363  | 43   | 66486    | 46.526  | ug/l   | 96       |
| 44) Trichloroethene           | 9.028  | 130  | 90177    | 55.550  | ug/l   | 89       |
| 45) 1,2-Dichloropropane       | 9.310  | 63   | 83364    | 53.396  | ug/l   | 97       |
| 46) Dibromomethane            | 9.398  | 93   | 47391    | 53.967  | ug/l   | 89       |
| 47) Bromodichloromethane      | 9.586  | 83   | 114124   | 52.470  | ug/l   | 97       |
| 48) Methyl methacrylate       | 9.381  | 41   | 38207    | 50.395  | ug/l   | 88       |
| 49) 1,4-Dioxane               | 9.386  | 88   | 8779     | 923.134 | ug/l # | 88       |
| 51) 4-Methyl-2-Pentanone      | 10.157 | 43   | 178100   | 234.821 | ug/l   | 91       |
| 52) Toluene                   | 10.333 | 92   | 223694   | 55.590  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.557 | 75   | 103365   | 52.082  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 10.022 | 75   | 128425   | 53.365  | ug/l # | 94       |
| 55) 1,1,2-Trichloroethane     | 10.733 | 97   | 62353    | 52.726  | ug/l   | 93       |
| 56) Ethyl methacrylate        | 10.598 | 69   | 47547    | 43.472  | ug/l   | 93       |
| 57) 1,3-Dichloropropane       | 10.880 | 76   | 103040   | 51.221  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.869  | 63   | 166730   | 258.796 | ug/l   | 98       |
| 59) 2-Hexanone                | 10.922 | 43   | 135921   | 238.465 | ug/l   | 93       |
| 60) Dibromochloromethane      | 11.075 | 129  | 75957    | 53.383  | ug/l   | 97       |
| 61) 1,2-Dibromoethane         | 11.180 | 107  | 58128    | 52.357  | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.810 | 164  | 73605    | 56.849  | ug/l   | 93       |
| 65) Chlorobenzene             | 11.604 | 112  | 230994   | 56.053  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.680 | 131  | 85865    | 56.697  | ug/l   | 96       |
| 67) Ethyl Benzene             | 11.686 | 91   | 424926   | 57.548  | ug/l   | 97       |
| 68) m/p-Xylenes               | 11.792 | 106  | 336294   | 116.762 | ug/l   | 94       |
| 69) o-Xylene                  | 12.122 | 106  | 149652   | 56.938  | ug/l   | 93       |
| 70) Styrene                   | 12.133 | 104  | 230297   | 53.688  | ug/l   | 96       |
| 71) Bromoform                 | 12.298 | 173  | 41984    | 52.670  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.422 | 105  | 406627   | 58.135  | ug/l   | 96       |
| 74) N-amyl acetate            | 12.233 | 43   | 60452    | 45.685  | ug/l   | 94       |
| 75) 1,1,2,2-Tetrachloroethane | 12.675 | 83   | 67013    | 48.299  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.722 | 75   | 81755    | 92.449  | ug/l # | 100      |
| 77) Bromobenzene              | 12.698 | 156  | 92338    | 56.173  | ug/l   | 93       |
| 78) n-propylbenzene           | 12.763 | 91   | 493575   | 56.626  | ug/l   | 97       |
| 79) 2-Chlorotoluene           | 12.851 | 91   | 257305   | 55.114  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 335329   | 57.736  | ug/l   | 95       |
| 81) trans-1,4-Dichloro-2-b... | 12.469 | 75   | 21228    | 49.835  | ug/l   | 97       |
| 82) 4-Chlorotoluene           | 12.945 | 91   | 274818   | 54.809  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 13.169 | 119  | 287256   | 58.645  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.210 | 105  | 335623   | 56.938  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.345 | 105  | 429330   | 56.518  | ug/l   | 96       |
| 86) p-Isopropyltoluene        | 13.463 | 119  | 387243   | 59.850  | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene       | 13.457 | 146  | 196949   | 56.137  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 13.539 | 146  | 191167   | 55.455  | ug/l   | 100      |
| 89) n-Butylbenzene            | 13.786 | 91   | 354891   | 56.907  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.051 | 117  | 74196    | 55.794  | ug/l   | 94       |
| 91) 1,2-Dichlorobenzene       | 13.833 | 146  | 163920   | 55.639  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.445 | 75   | 8495     | 46.759  | ug/l   | 96       |
| 93) 1,2,4-Trichlorobenzene    | 15.098 | 180  | 98108    | 56.663  | ug/l   | 96       |
| 94) Hexachlorobutadiene       | 15.204 | 225  | 52343    | 57.918  | ug/l   | 99       |
| 95) Naphthalene               | 15.333 | 128  | 164906   | 51.350  | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene    | 15.521 | 180  | 81236    | 55.361  | ug/l   | 96       |

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Quant Title : SW846 8260  
QLast Update : Wed Feb 14 01:16:20 2024  
Response via : Initial Calibration

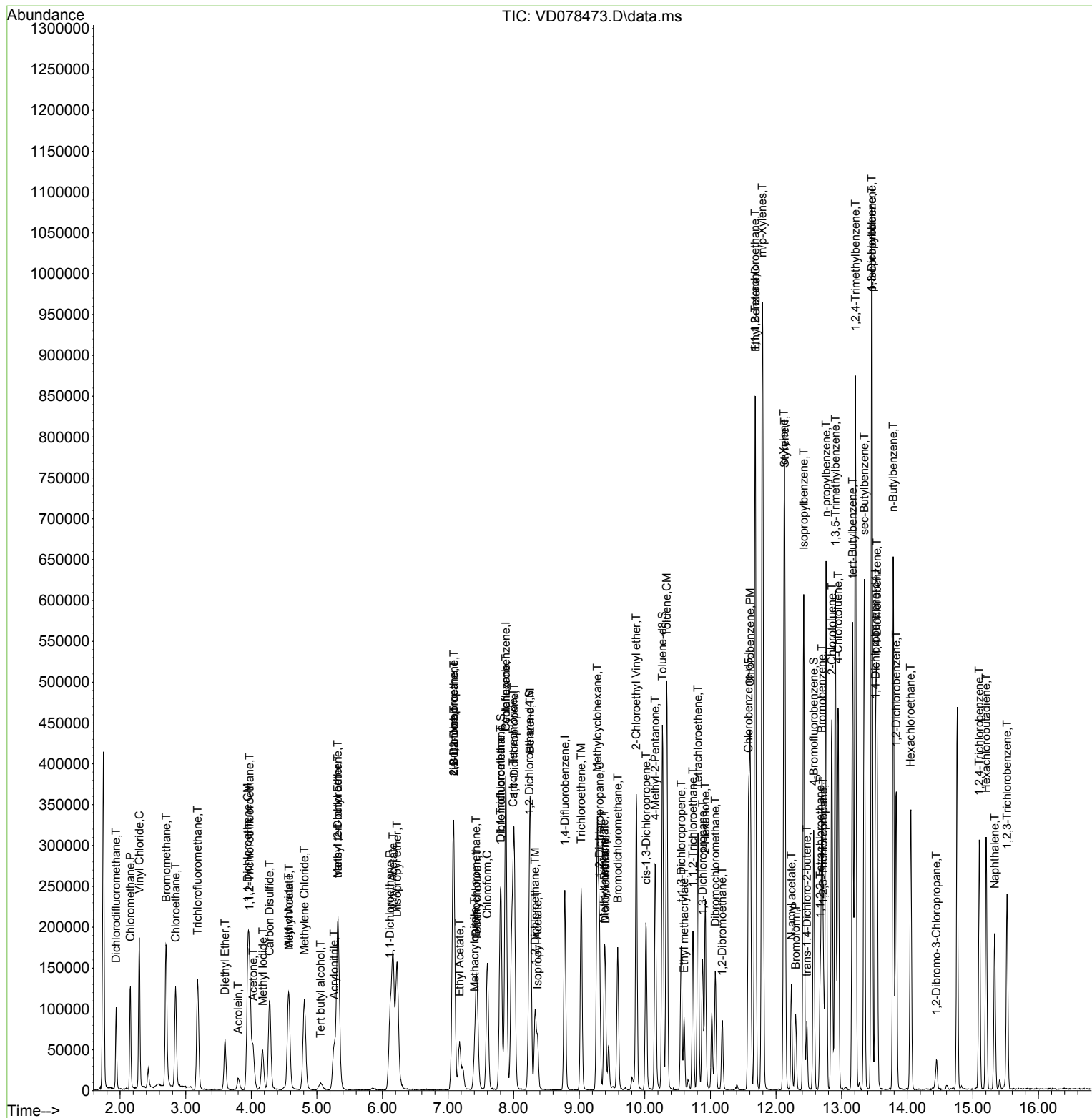
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

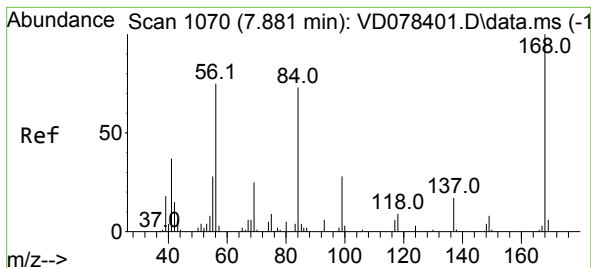
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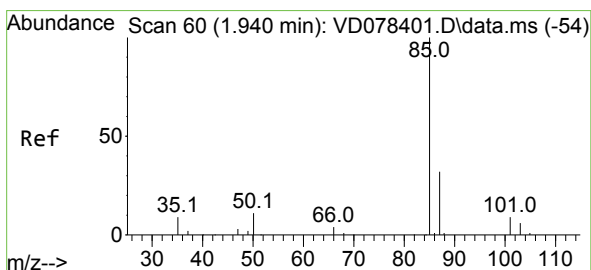
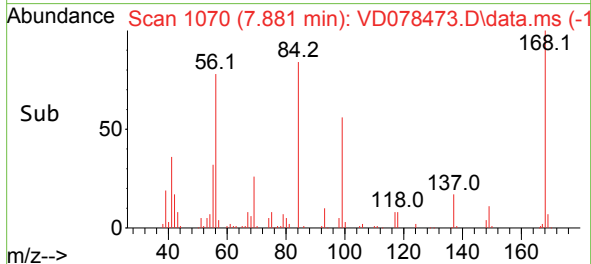
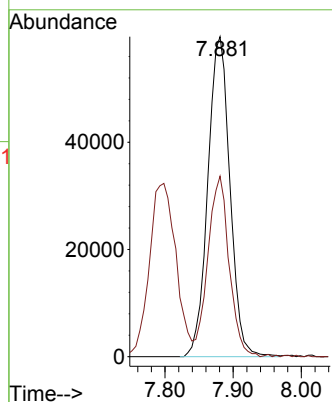
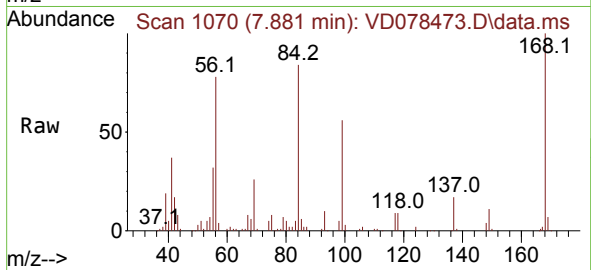




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.881 min Scan# 1070  
Delta R.T. -0.000 min  
Lab File: VD078473.D  
Acq: 20 Feb 2024 09:33

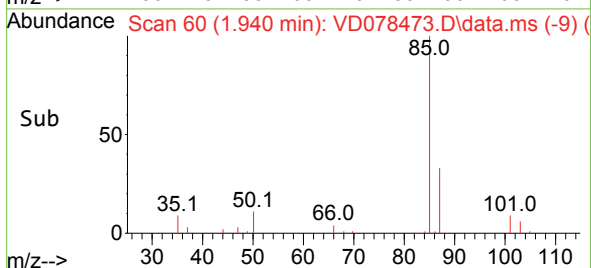
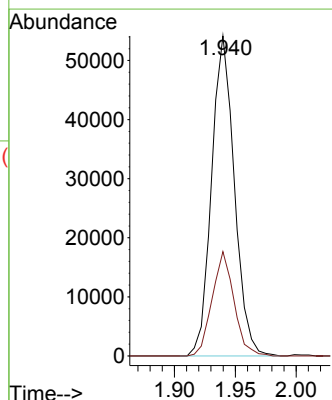
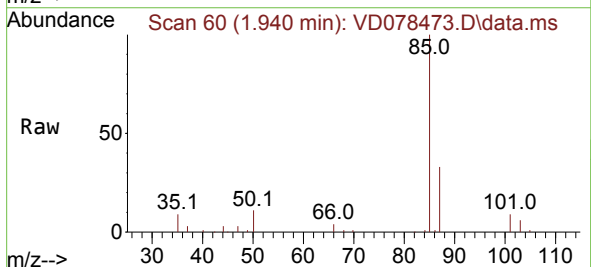
Instrument :  
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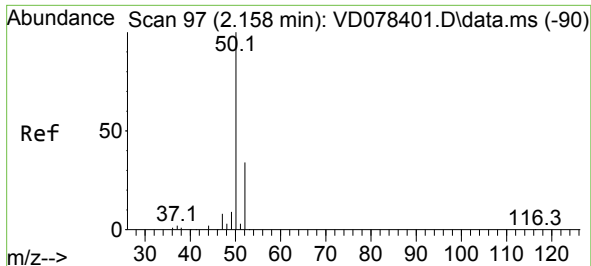
Tgt Ion:168 Resp: 134554  
Ion Ratio Lower Upper  
168 100  
99 56.4 36.7 55.1#



#2  
Dichlorodifluoromethane  
Concen: 53.096 ug/l  
RT: 1.940 min Scan# 60  
Delta R.T. -0.000 min  
Lab File: VD078473.D  
Acq: 20 Feb 2024 09:33

Tgt Ion: 85 Resp: 70392  
Ion Ratio Lower Upper  
85 100  
87 32.6 15.7 47.0

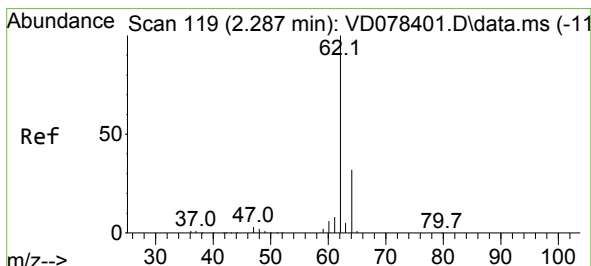
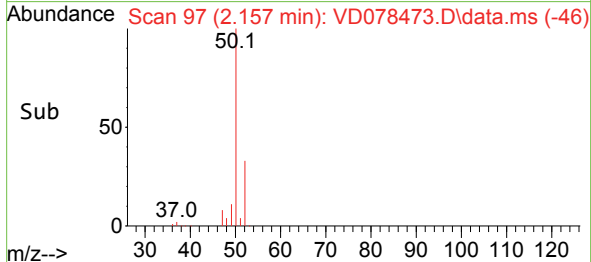
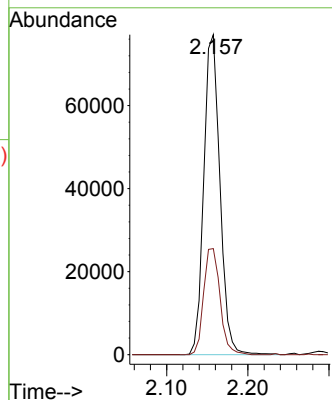
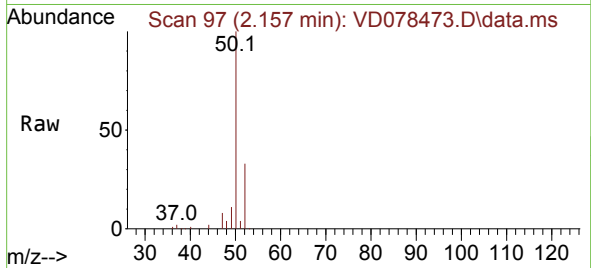




#3  
Chloromethane  
Concen: 43.646 ug/l  
RT: 2.157 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VD078473.D  
Acq: 20 Feb 2024 09:33

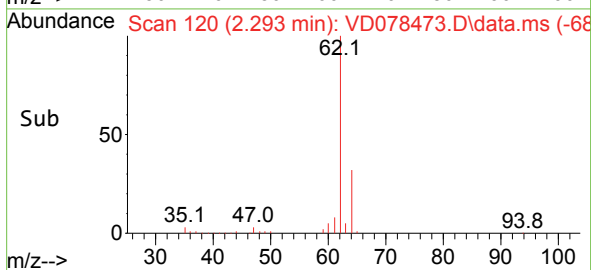
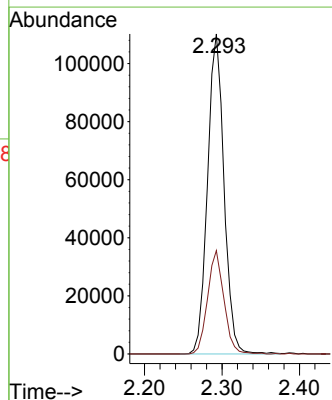
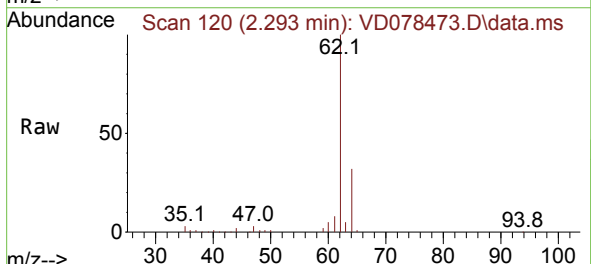
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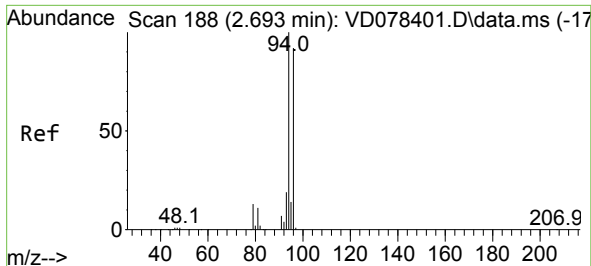
Tgt Ion: 50 Resp: 106338  
Ion Ratio Lower Upper  
50 100  
52 33.2 26.6 40.0



#4  
Vinyl Chloride  
Concen: 43.775 ug/l  
RT: 2.293 min Scan# 120  
Delta R.T. 0.006 min  
Lab File: VD078473.D  
Acq: 20 Feb 2024 09:33

Tgt Ion: 62 Resp: 162747  
Ion Ratio Lower Upper  
62 100  
64 32.3 26.0 39.0

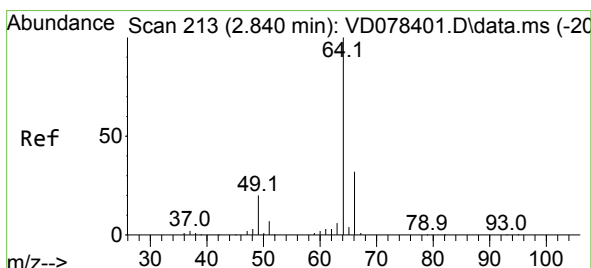
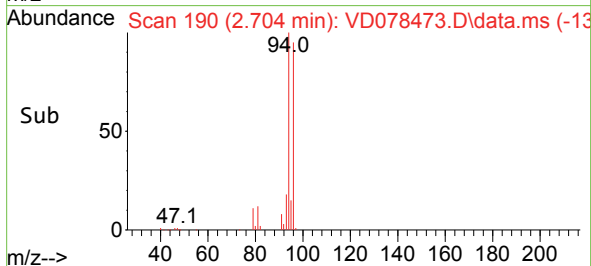
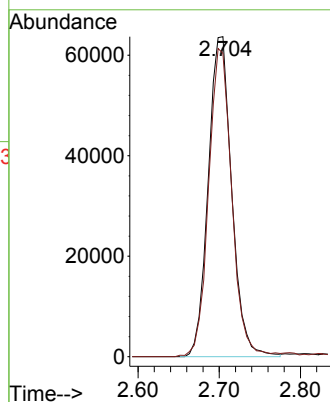
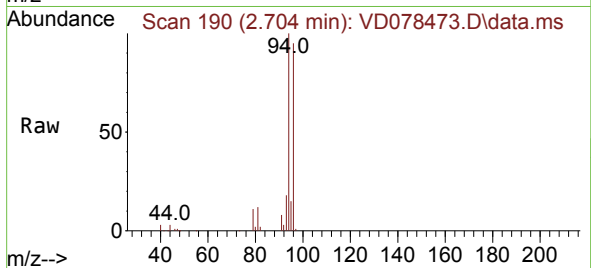




#5  
Bromomethane  
Concen: 49.897 ug/l  
RT: 2.704 min Scan# 190  
Delta R.T. 0.011 min  
Lab File: VD078473.D  
Acq: 20 Feb 2024 09:33

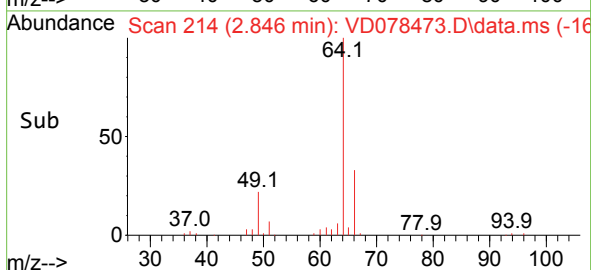
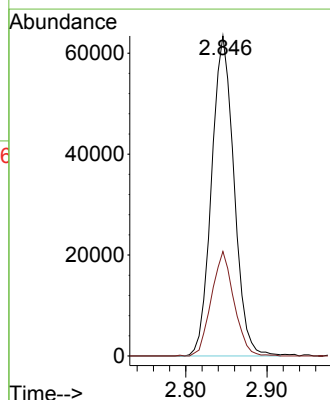
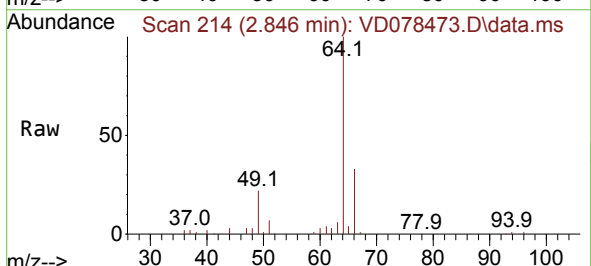
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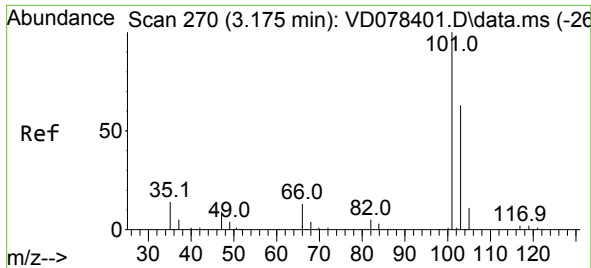
Tgt Ion: 94 Resp: 128046  
Ion Ratio Lower Upper  
94 100  
96 95.0 75.8 113.8



#6  
Chloroethane  
Concen: 45.012 ug/l  
RT: 2.846 min Scan# 214  
Delta R.T. 0.006 min  
Lab File: VD078473.D  
Acq: 20 Feb 2024 09:33

Tgt Ion: 64 Resp: 122027  
Ion Ratio Lower Upper  
64 100  
66 32.6 25.5 38.3

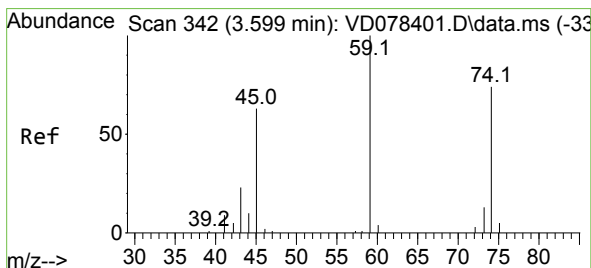
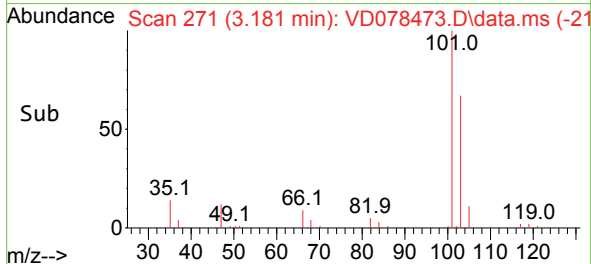
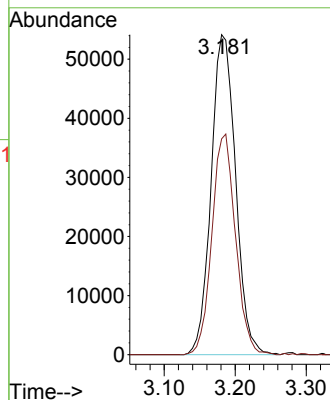
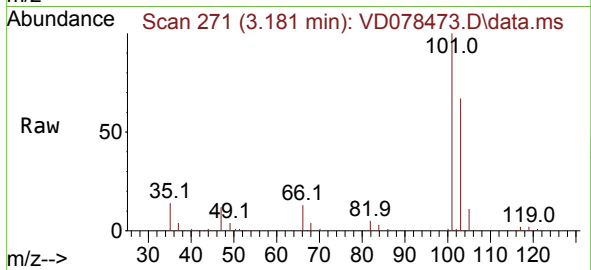




#7  
Trichlorofluoromethane  
Concen: 51.626 ug/l  
RT: 3.181 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VD078473.D  
Acq: 20 Feb 2024 09:33

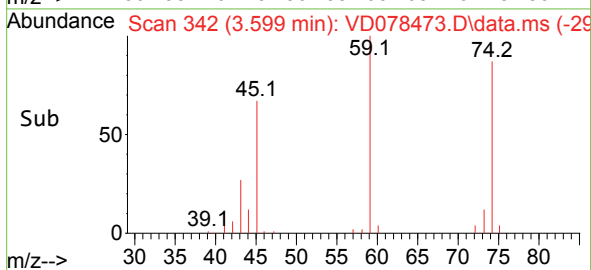
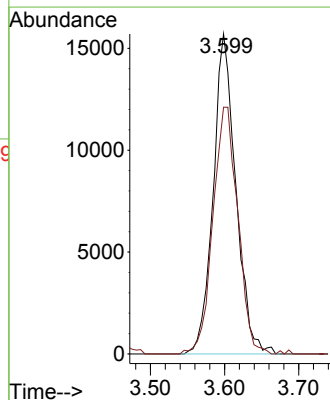
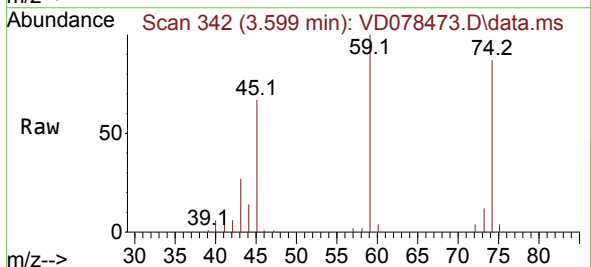
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

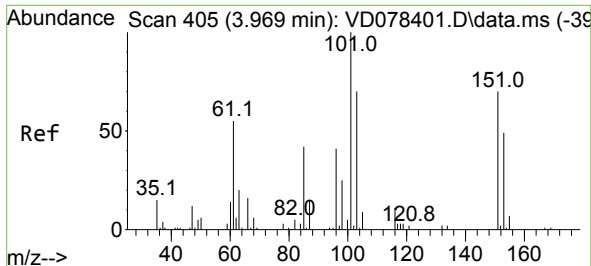
Tgt Ion:101 Resp: 129473  
Ion Ratio Lower Upper  
101 100  
103 67.5 52.3 78.5



#8  
Diethyl Ether  
Concen: 46.096 ug/l  
RT: 3.599 min Scan# 342  
Delta R.T. -0.000 min  
Lab File: VD078473.D  
Acq: 20 Feb 2024 09:33

Tgt Ion: 74 Resp: 33298  
Ion Ratio Lower Upper  
74 100  
45 85.0 37.5 112.7

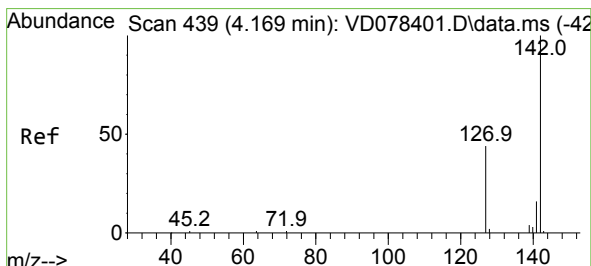
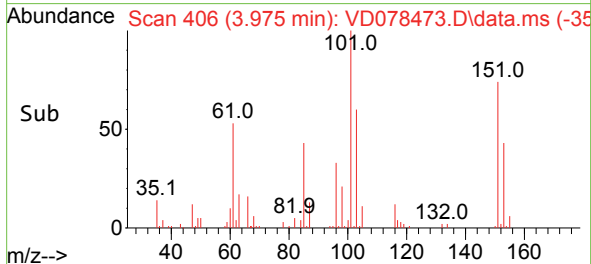
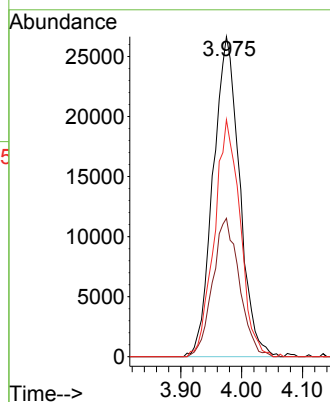
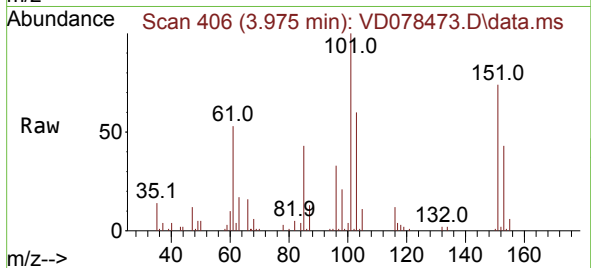




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 50.814 ug/l  
RT: 3.975 min Scan# 405  
Delta R.T. 0.006 min  
Lab File: VD078473.D  
Acq: 20 Feb 2024 09:33

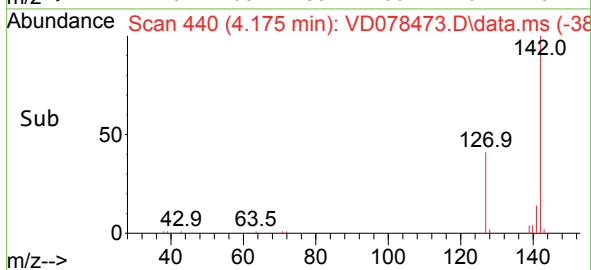
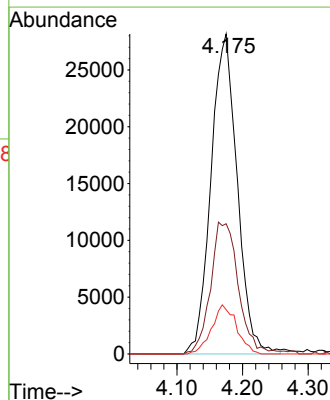
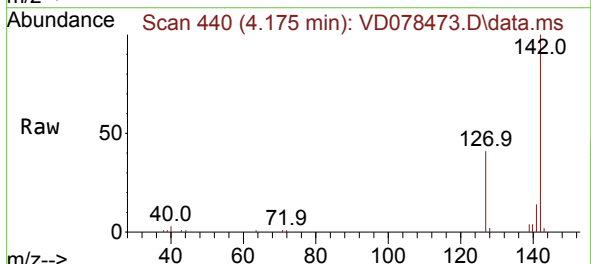
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

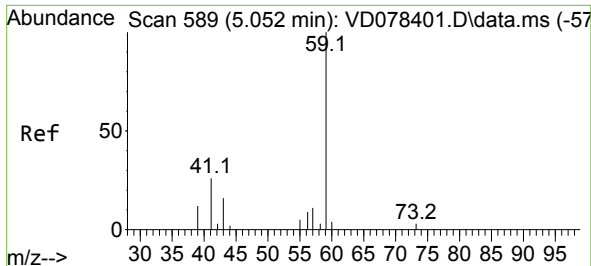
Tgt Ion:101 Resp: 80394  
Ion Ratio Lower Upper  
101 100  
85 43.5 33.8 50.6  
151 72.1 59.8 89.6



#10  
Methyl Iodide  
Concen: 55.164 ug/l  
RT: 4.175 min Scan# 440  
Delta R.T. 0.006 min  
Lab File: VD078473.D  
Acq: 20 Feb 2024 09:33

Tgt Ion:142 Resp: 78170  
Ion Ratio Lower Upper  
142 100  
127 44.1 29.4 44.0#  
141 14.6 11.1 16.7

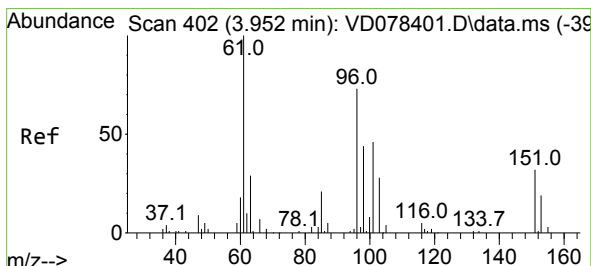
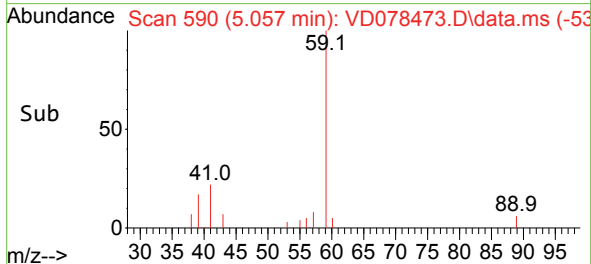
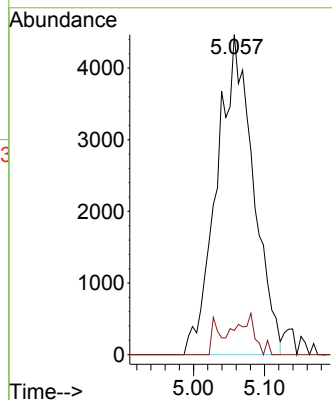
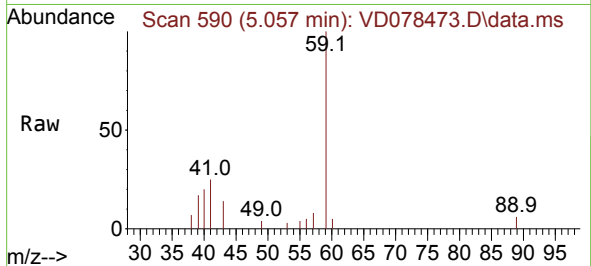




#11  
Tert butyl alcohol  
Concen: 200.967 ug/l  
RT: 5.057 min Scan# 591  
Delta R.T. 0.005 min  
Lab File: VD078473.D  
Acq: 20 Feb 2024 09:33

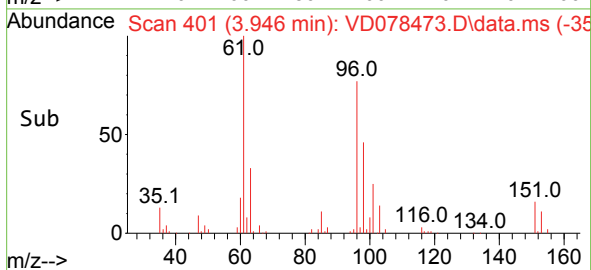
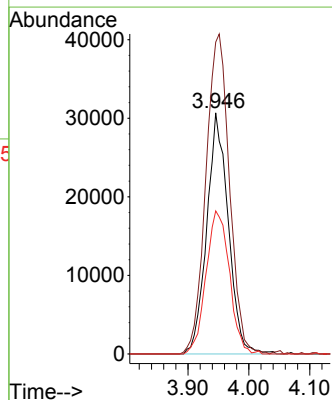
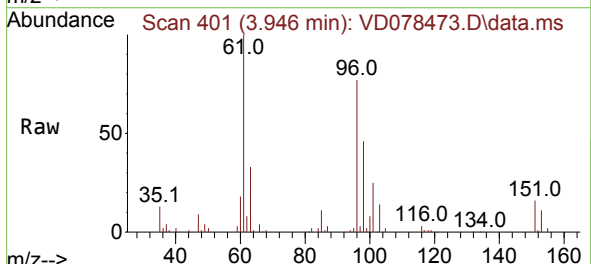
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

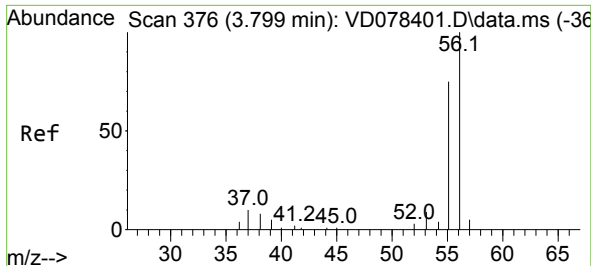
Tgt Ion: 59 Resp: 15934  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.8 11.8#



#12  
1,1-Dichloroethene  
Concen: 51.349 ug/l  
RT: 3.946 min Scan# 401  
Delta R.T. -0.006 min  
Lab File: VD078473.D  
Acq: 20 Feb 2024 09:33

Tgt Ion: 96 Resp: 75320  
Ion Ratio Lower Upper  
96 100  
61 129.3 100.6 150.8  
98 59.3 50.2 75.2

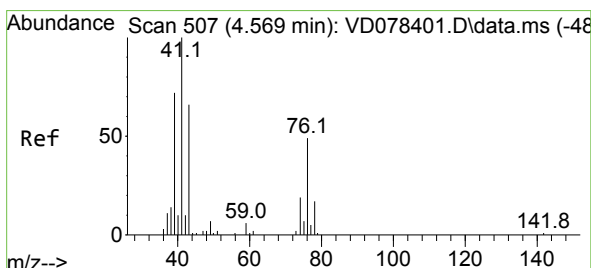
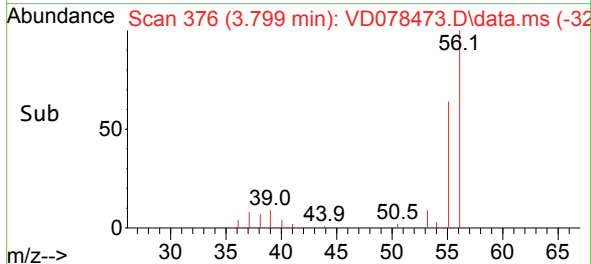
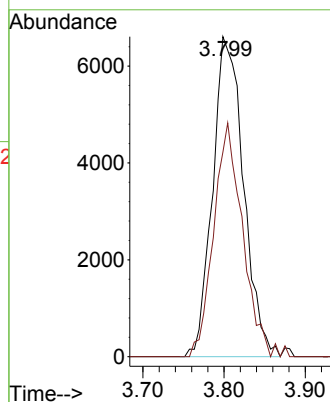
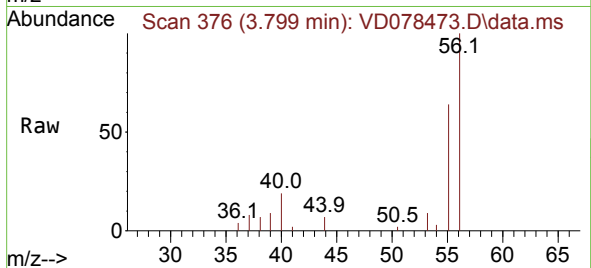




#13  
Acrolein  
Concen: 129.951 ug/l  
RT: 3.799 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VD078473.D  
Acq: 20 Feb 2024 09:33

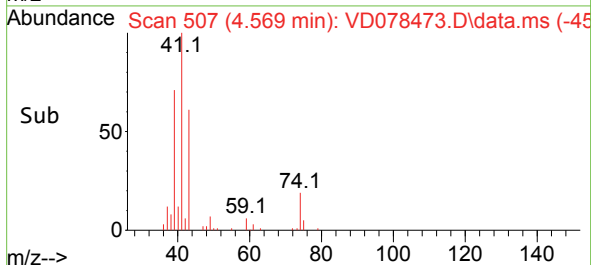
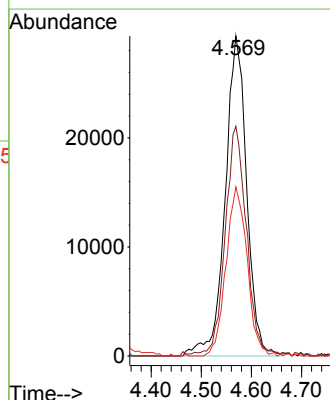
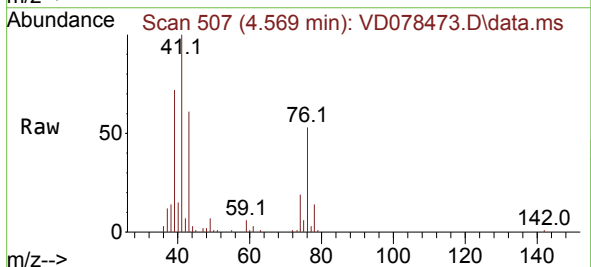
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

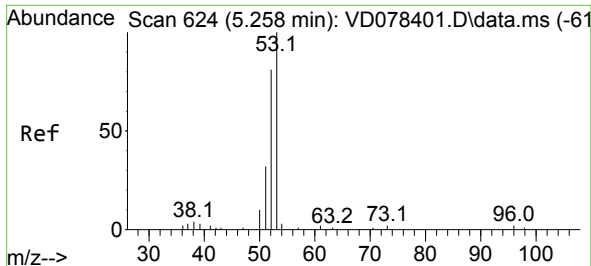
Tgt Ion: 56 Resp: 17466  
Ion Ratio Lower Upper  
56 100  
55 67.9 55.1 82.7



#14  
Allyl chloride  
Concen: 48.265 ug/l  
RT: 4.569 min Scan# 507  
Delta R.T. -0.000 min  
Lab File: VD078473.D  
Acq: 20 Feb 2024 09:33

Tgt Ion: 41 Resp: 87459  
Ion Ratio Lower Upper  
41 100  
39 69.0 53.8 80.6  
76 51.9 45.8 68.8

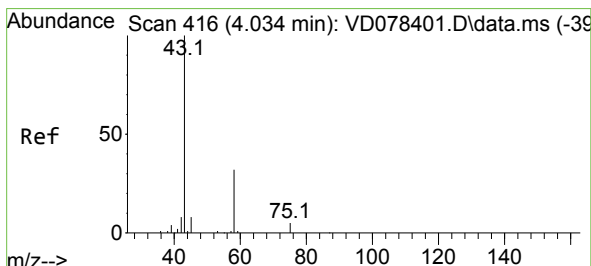
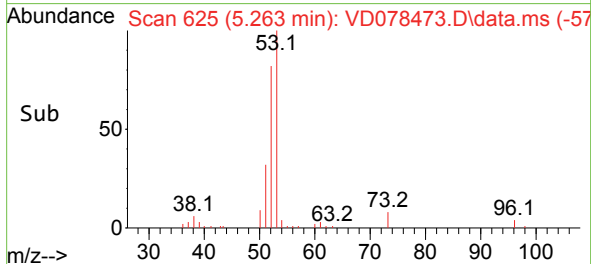
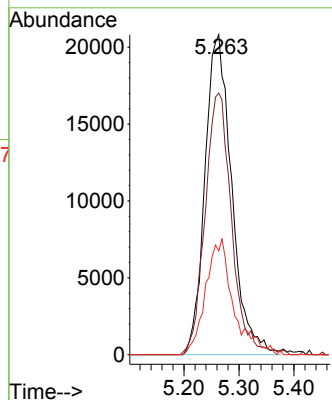
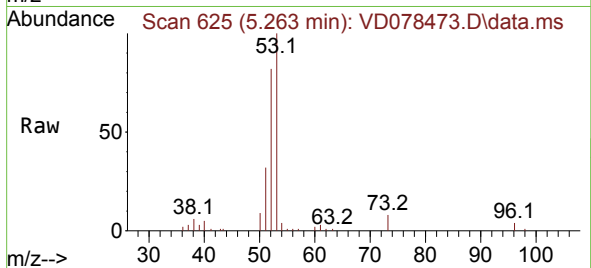




#15  
Acrylonitrile  
Concen: 227.738 ug/l  
RT: 5.263 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VD078473.D  
Acq: 20 Feb 2024 09:33

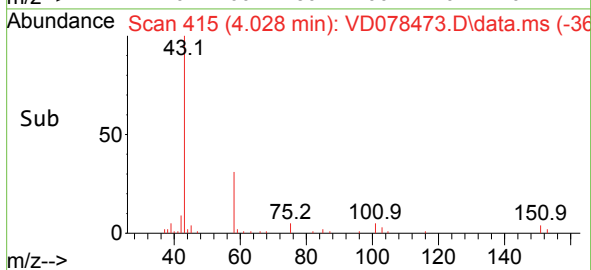
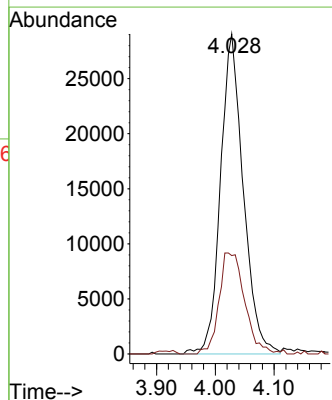
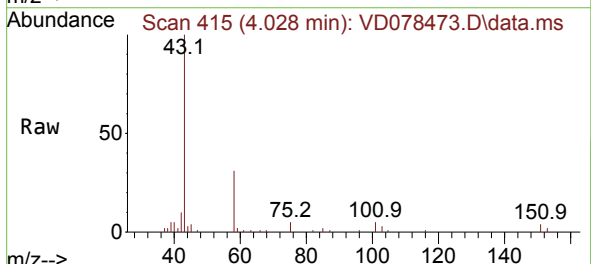
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

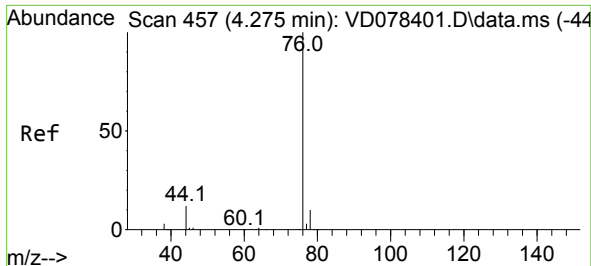
Tgt Ion: 53 Resp: 70424  
Ion Ratio Lower Upper  
53 100  
52 81.1 65.0 97.4  
51 37.3 28.3 42.5



#16  
Acetone  
Concen: 284.013 ug/l  
RT: 4.028 min Scan# 415  
Delta R.T. -0.006 min  
Lab File: VD078473.D  
Acq: 20 Feb 2024 09:33

Tgt Ion: 43 Resp: 78233  
Ion Ratio Lower Upper  
43 100  
58 30.7 34.7 52.1#

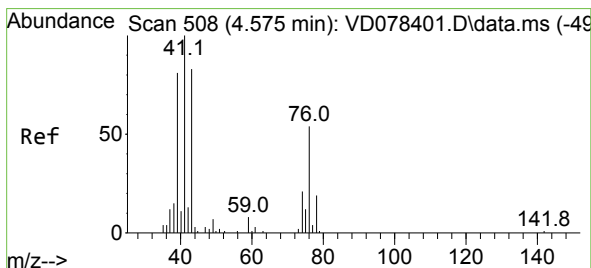
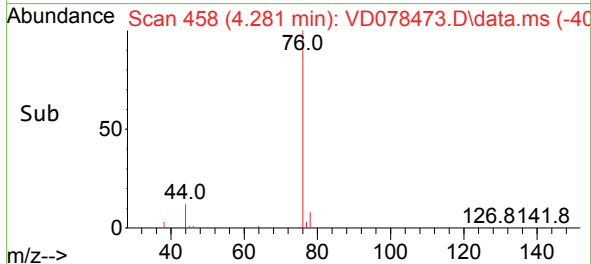
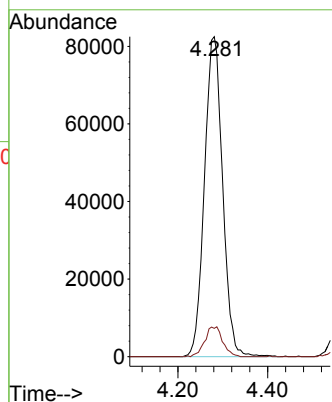
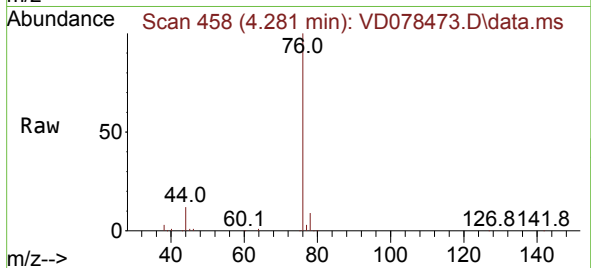




#17  
Carbon Disulfide  
Concen: 46.952 ug/l  
RT: 4.281 min Scan# 458  
Delta R.T. 0.006 min  
Lab File: VD078473.D  
Acq: 20 Feb 2024 09:33

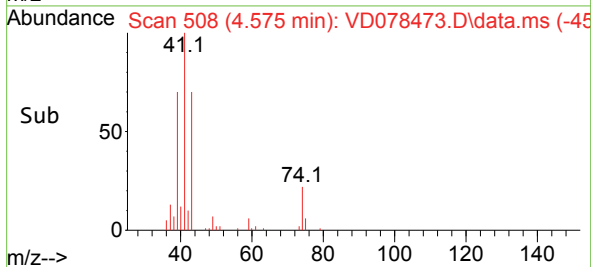
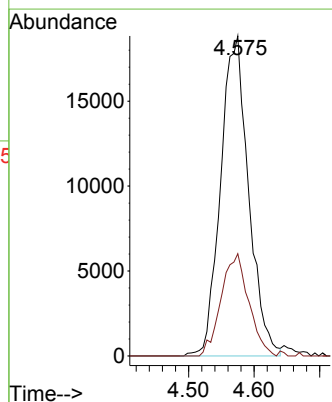
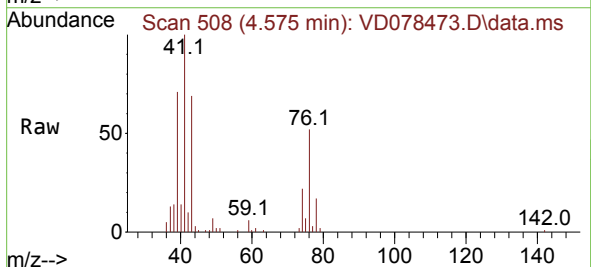
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

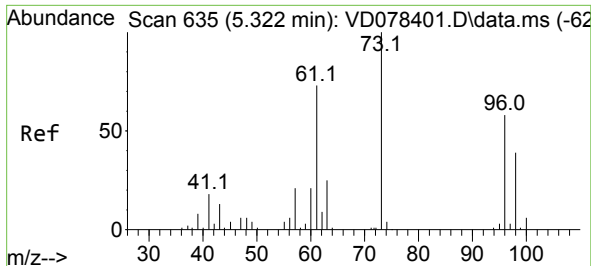
Tgt Ion: 76 Resp: 231743  
Ion Ratio Lower Upper  
76 100  
78 8.9 6.8 10.2



#18  
Methyl Acetate  
Concen: 52.663 ug/l  
RT: 4.575 min Scan# 508  
Delta R.T. -0.000 min  
Lab File: VD078473.D  
Acq: 20 Feb 2024 09:33

Tgt Ion: 43 Resp: 55759  
Ion Ratio Lower Upper  
43 100  
74 31.4 26.4 39.6

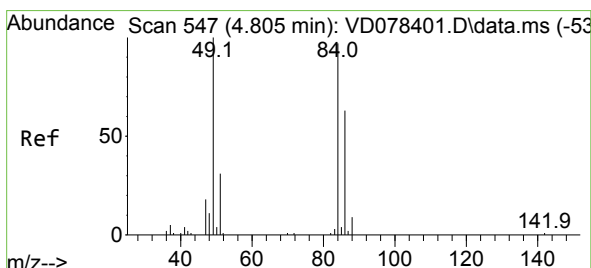
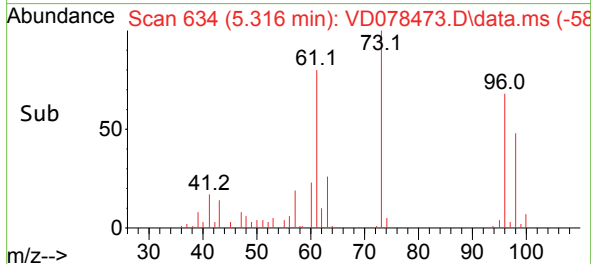
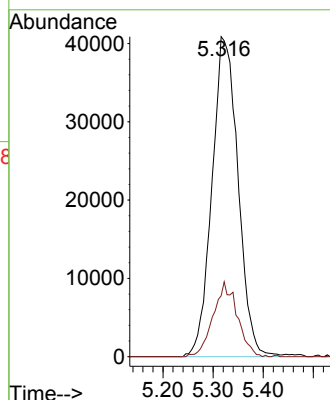
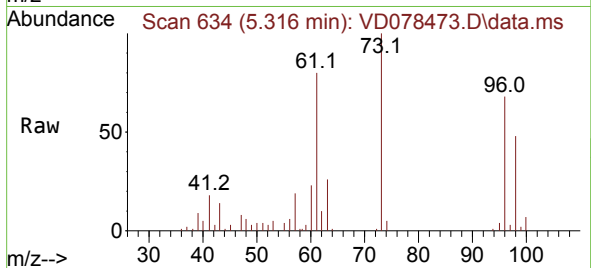




#19  
Methyl tert-butyl Ether  
Concen: 47.374 ug/l  
RT: 5.316 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: VD078473.D  
Acq: 20 Feb 2024 09:33

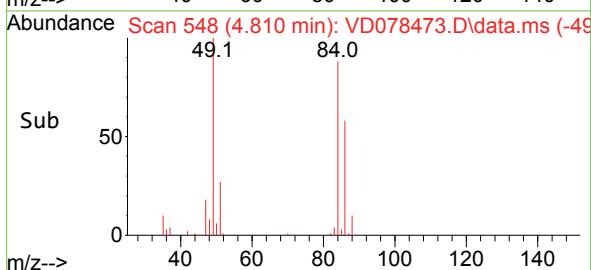
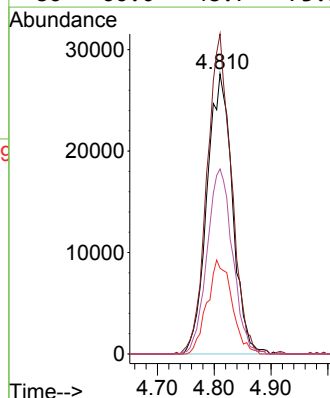
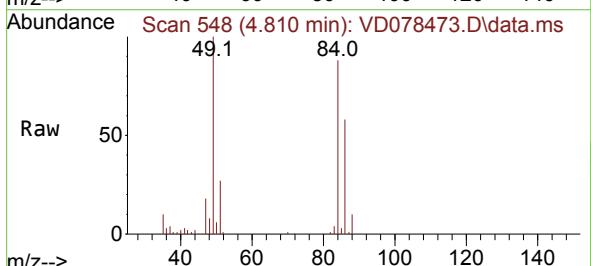
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

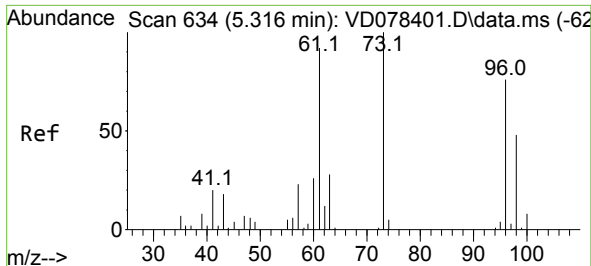
Tgt Ion: 73 Resp: 147638  
Ion Ratio Lower Upper  
73 100  
57 19.1 16.6 25.0



#20  
Methylene Chloride  
Concen: 52.421 ug/l  
RT: 4.810 min Scan# 548  
Delta R.T. 0.005 min  
Lab File: VD078473.D  
Acq: 20 Feb 2024 09:33

Tgt Ion: 84 Resp: 86147  
Ion Ratio Lower Upper  
84 100  
49 114.3 71.4 107.2#  
51 30.6 24.5 36.7  
86 66.0 48.7 73.1

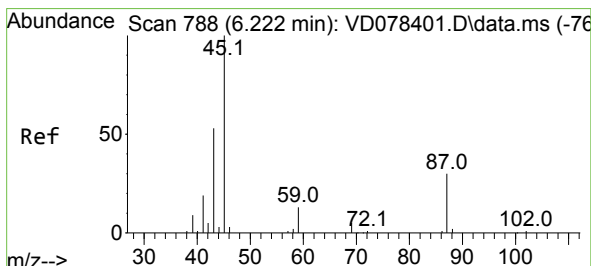
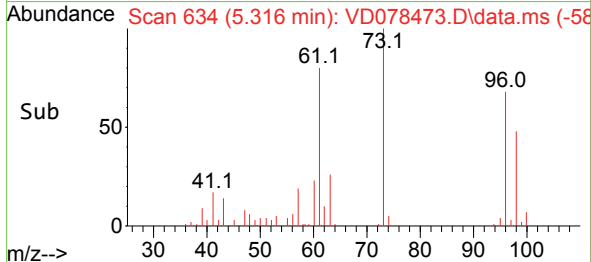
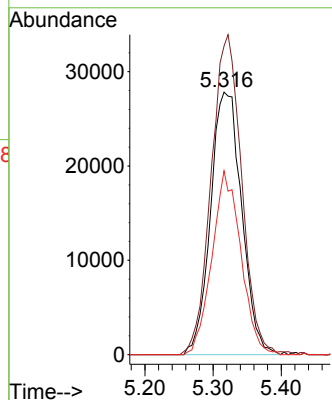
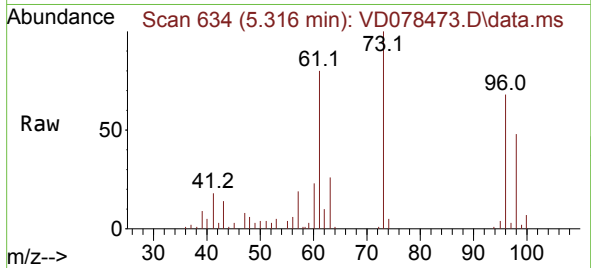




#21  
trans-1,2-Dichloroethene  
Concen: 51.234 ug/l  
RT: 5.316 min Scan# 611  
Delta R.T. -0.000 min  
Lab File: VD078473.D  
Acq: 20 Feb 2024 09:33

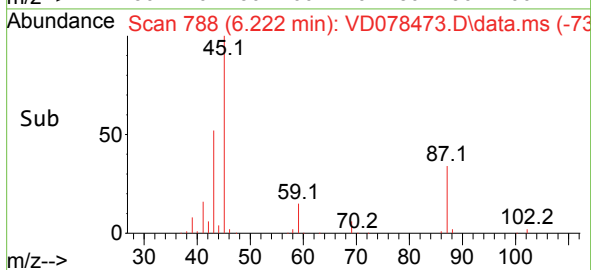
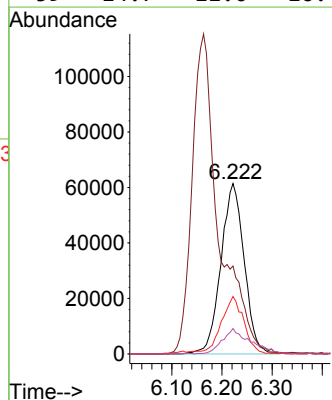
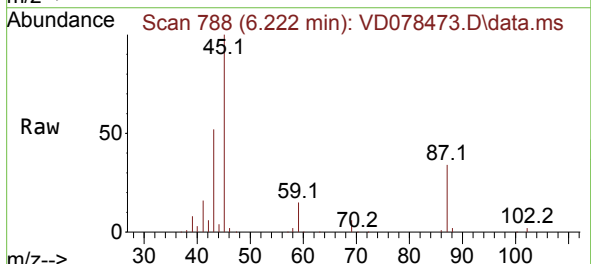
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

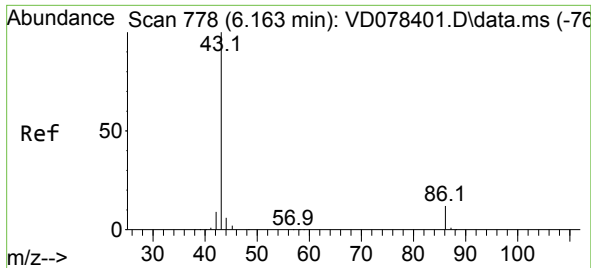
Tgt Ion: 96 Resp: 88409  
Ion Ratio Lower Upper  
96 100  
61 117.6 89.3 133.9  
98 70.0 48.6 73.0



#22  
Diisopropyl ether  
Concen: 49.685 ug/l  
RT: 6.222 min Scan# 788  
Delta R.T. -0.000 min  
Lab File: VD078473.D  
Acq: 20 Feb 2024 09:33

Tgt Ion: 45 Resp: 198438  
Ion Ratio Lower Upper  
45 100  
43 50.7 40.0 60.0  
87 33.5 28.2 42.4  
59 14.7 11.0 16.4

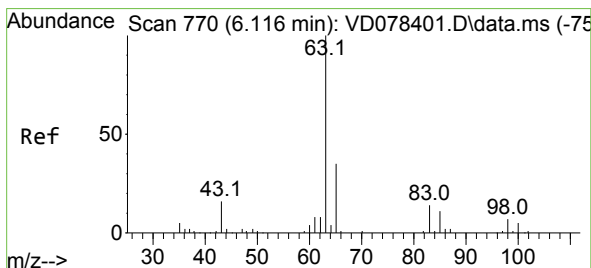
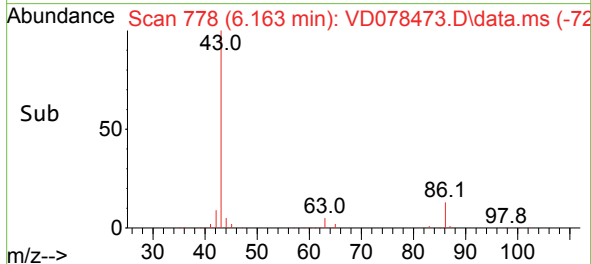
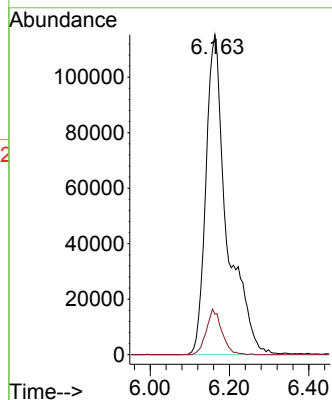
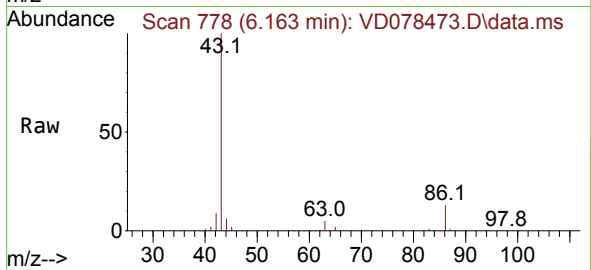




#23  
 Vinyl Acetate  
 Concen: 260.915 ug/l  
 RT: 6.163 min Scan# 71  
 Delta R.T. 0.000 min  
 Lab File: VD078473.D  
 Acq: 20 Feb 2024 09:33

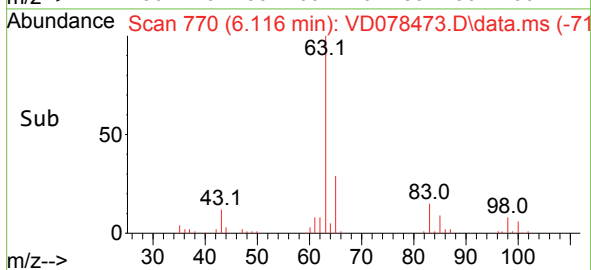
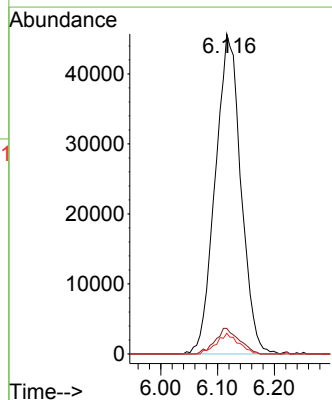
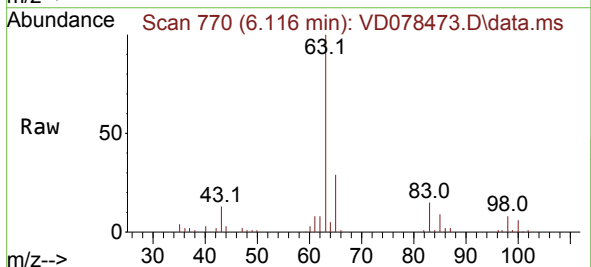
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

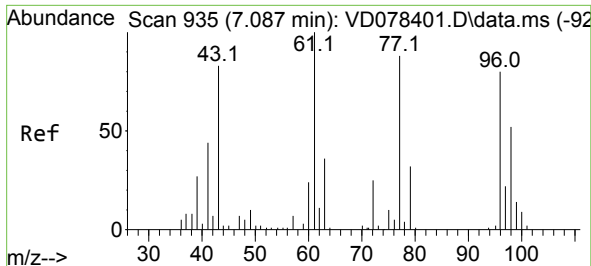
Tgt Ion: 43 Resp: 426090  
 Ion Ratio Lower Upper  
 43 100  
 86 12.6 12.5 18.7



#24  
 1,1-Dichloroethane  
 Concen: 50.603 ug/l  
 RT: 6.116 min Scan# 770  
 Delta R.T. -0.000 min  
 Lab File: VD078473.D  
 Acq: 20 Feb 2024 09:33

Tgt Ion: 63 Resp: 143172  
 Ion Ratio Lower Upper  
 63 100  
 98 8.0 4.5 13.7  
 100 6.5 2.5 7.5





#25

2-Butanone

Concen: 253.038 ug/l

RT: 7.087 min Scan# 935

Delta R.T. -0.000 min

Lab File: VD078473.D

Acq: 20 Feb 2024 09:33

Instrument :

MSVOA\_D

ClientSampleId :

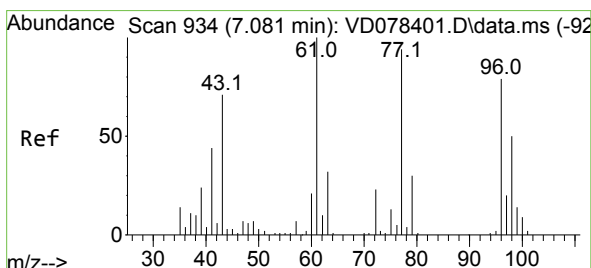
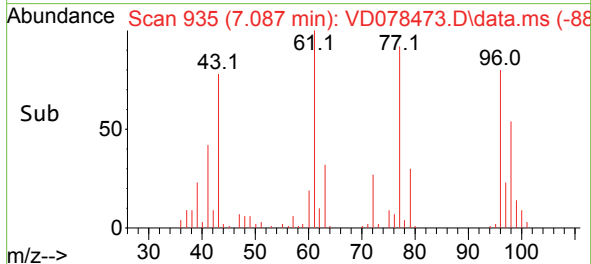
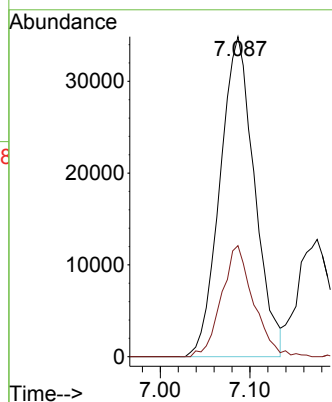
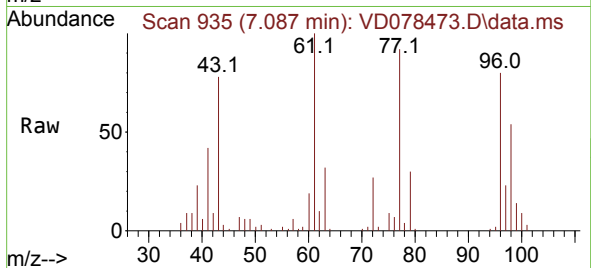
VSTDCCC050

Tgt Ion: 43 Resp: 93201

Ion Ratio Lower Upper

43 100

72 34.7 30.7 46.1



#26

2,2-Dichloropropane

Concen: 51.873 ug/l

RT: 7.087 min Scan# 935

Delta R.T. 0.006 min

Lab File: VD078473.D

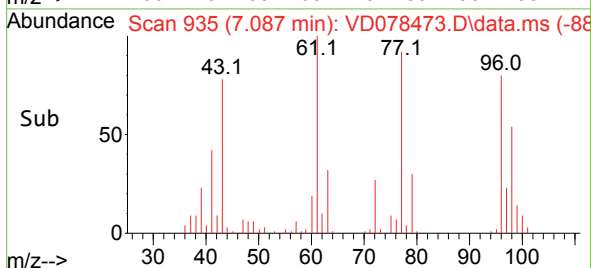
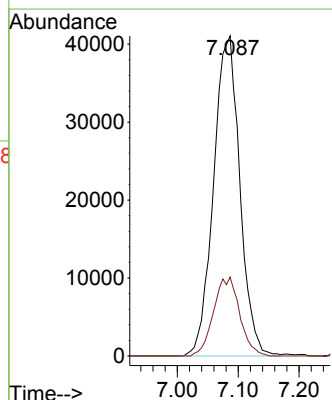
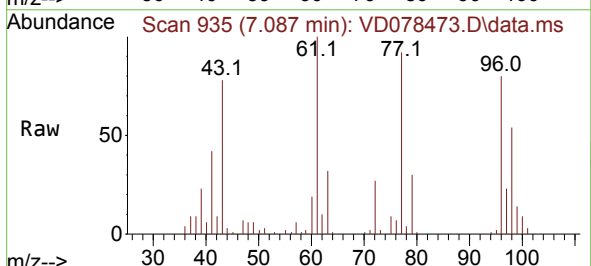
Acq: 20 Feb 2024 09:33

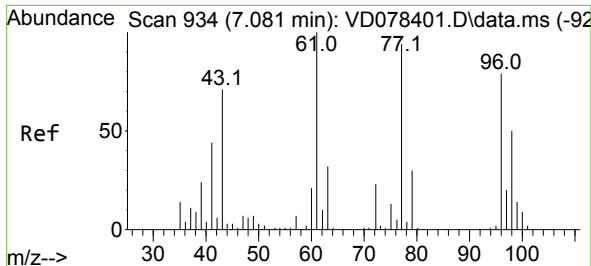
Tgt Ion: 77 Resp: 123033

Ion Ratio Lower Upper

77 100

97 24.5 13.2 39.6





#27

cis-1,2-Dichloroethene

Concen: 51.665 ug/l

RT: 7.087 min Scan# 91

Delta R.T. 0.006 min

Lab File: VD078473.D

Acq: 20 Feb 2024 09:33

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

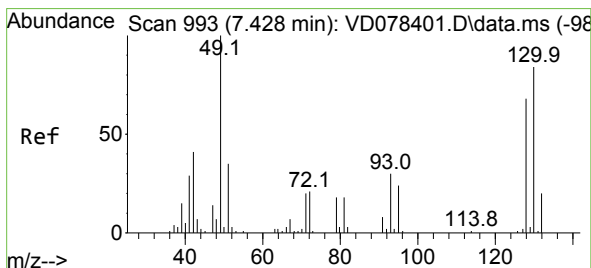
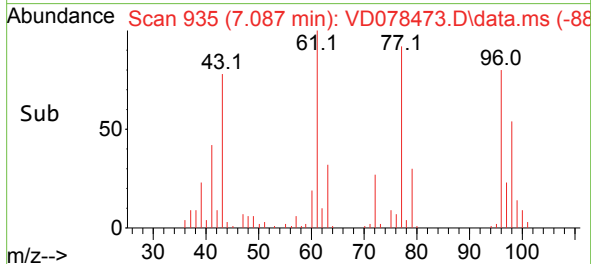
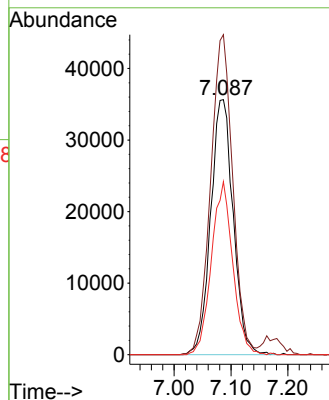
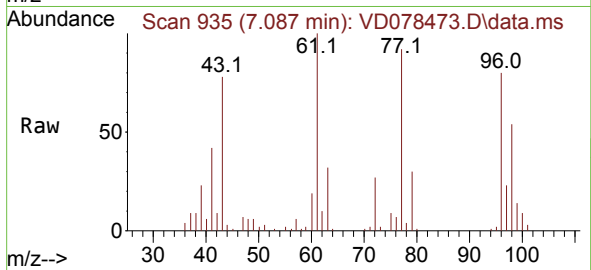
Tgt Ion: 96 Resp: 97813

Ion Ratio Lower Upper

96 100

61 123.8 0.0 239.2

98 64.3 0.0 128.6



#28

Bromochloromethane

Concen: 47.956 ug/l

RT: 7.428 min Scan# 993

Delta R.T. -0.000 min

Lab File: VD078473.D

Acq: 20 Feb 2024 09:33

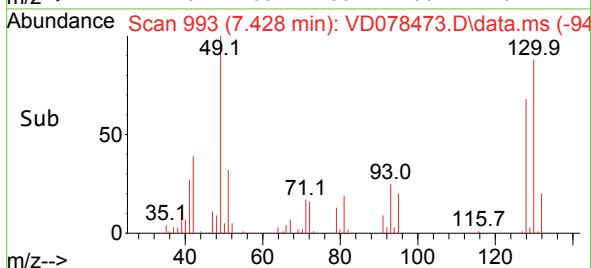
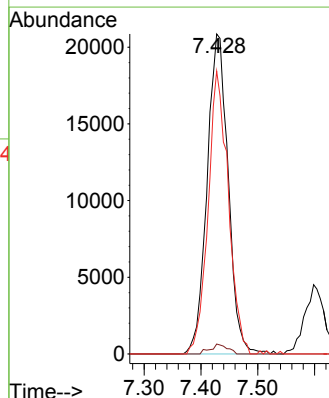
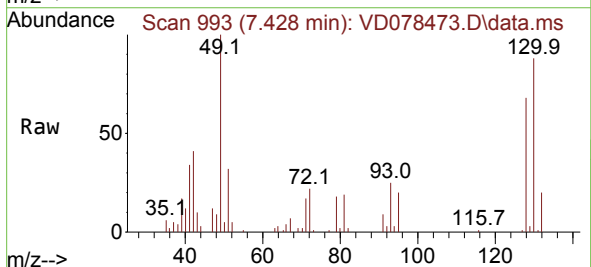
Tgt Ion: 49 Resp: 53741

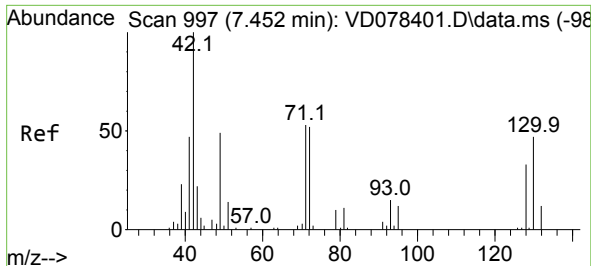
Ion Ratio Lower Upper

49 100

129 2.5 0.0 6.0

130 84.6 83.2 124.8

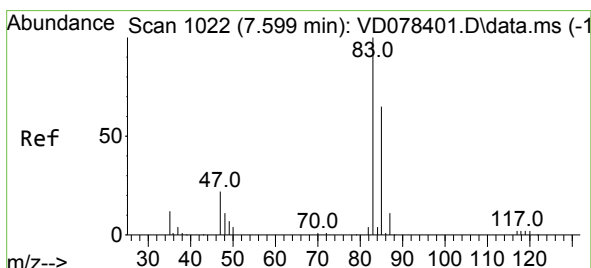
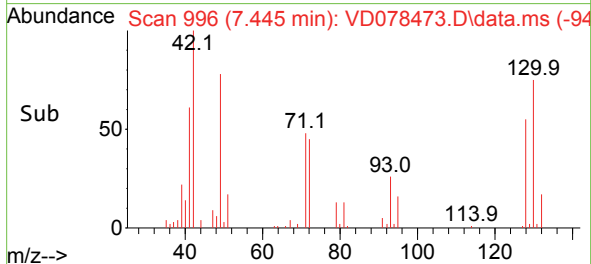
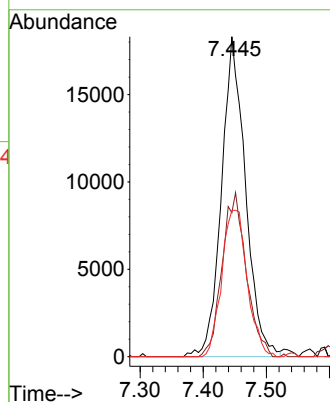
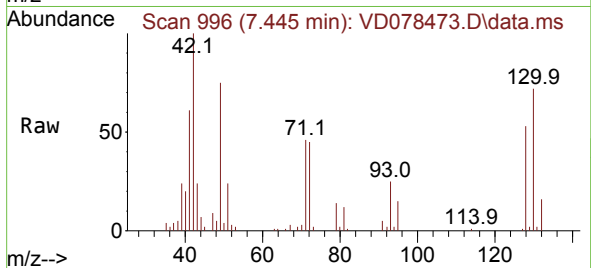




#29  
Tetrahydrofuran  
Concen: 223.580 ug/l  
RT: 7.445 min Scan# 996  
Delta R.T. -0.006 min  
Lab File: VD078473.D  
Acq: 20 Feb 2024 09:33

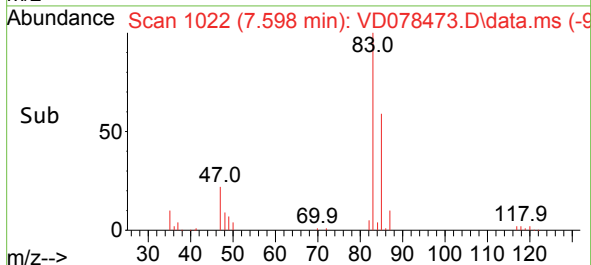
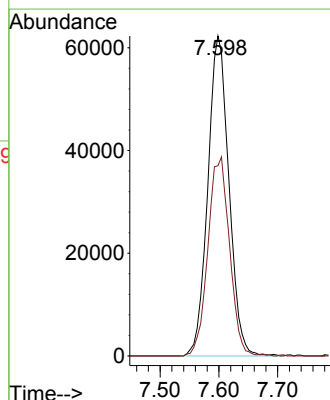
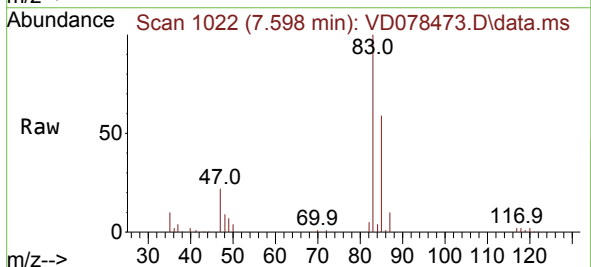
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

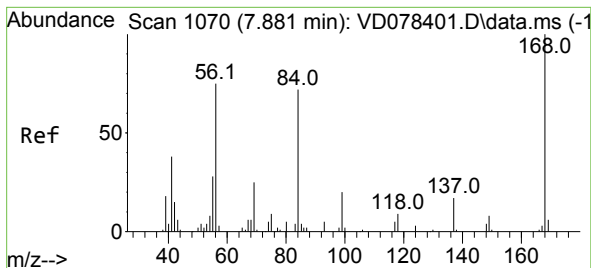
Tgt Ion: 42 Resp: 48374  
Ion Ratio Lower Upper  
42 100  
72 51.7 46.5 69.7  
71 48.7 44.5 66.7



#30  
Chloroform  
Concen: 51.860 ug/l  
RT: 7.598 min Scan# 1022  
Delta R.T. -0.000 min  
Lab File: VD078473.D  
Acq: 20 Feb 2024 09:33

Tgt Ion: 83 Resp: 155244  
Ion Ratio Lower Upper  
83 100  
85 59.4 53.4 80.2





#31

Cyclohexane

Concen: 47.556 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.000 min

Lab File: VD078473.D

Acq: 20 Feb 2024 09:33

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

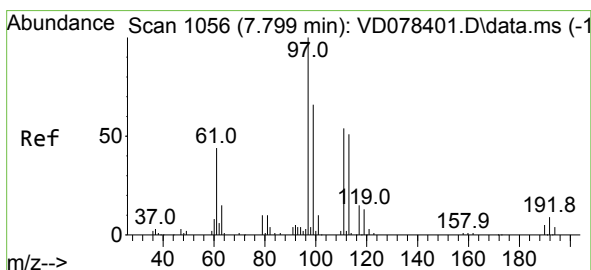
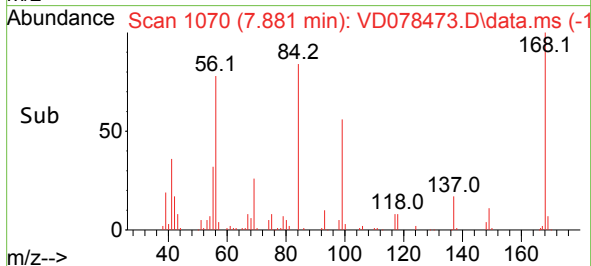
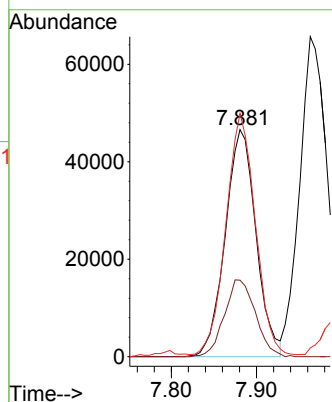
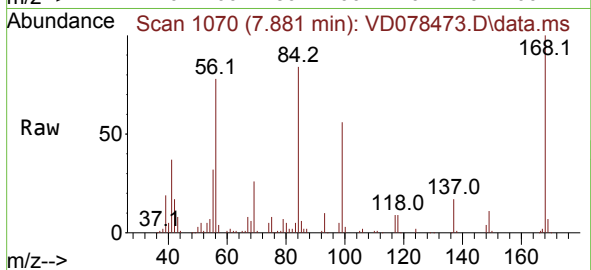
Tgt Ion: 56 Resp: 117037

Ion Ratio Lower Upper

56 100

69 33.7 28.6 43.0

84 106.1 84.8 127.2



#32

1,1,1-Trichloroethane

Concen: 52.801 ug/l

RT: 7.798 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VD078473.D

Acq: 20 Feb 2024 09:33

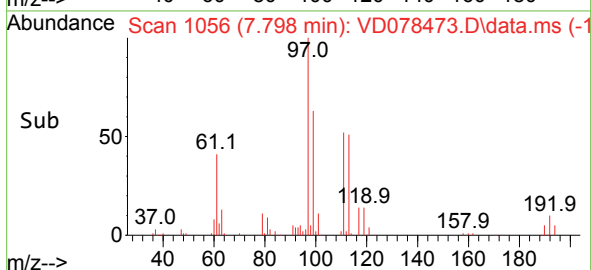
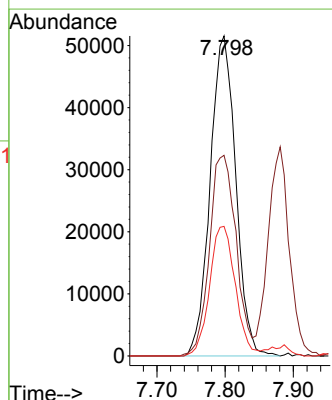
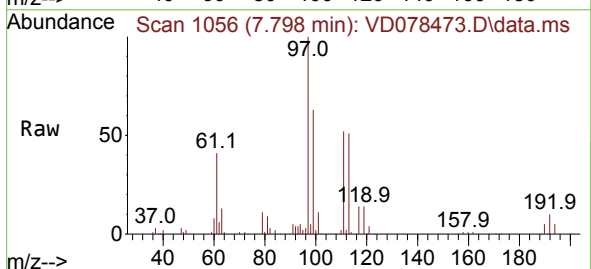
Tgt Ion: 97 Resp: 134762

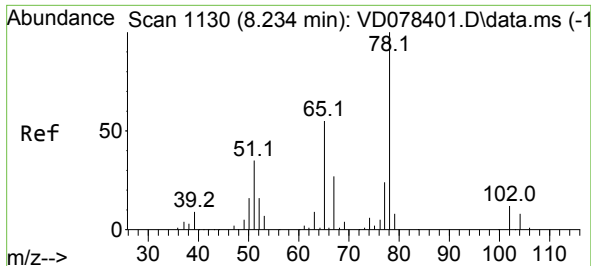
Ion Ratio Lower Upper

97 100

99 65.2 52.0 78.0

61 40.7 33.8 50.8





#33

1,2-Dichloroethane-d4

Concen: 48.171 ug/l

RT: 8.239 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VD078473.D

Acq: 20 Feb 2024 09:33

Instrument :

MSVOA\_D

ClientSampleId :

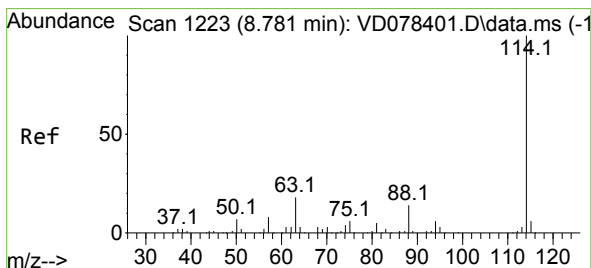
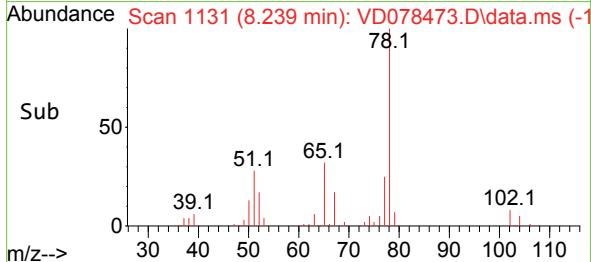
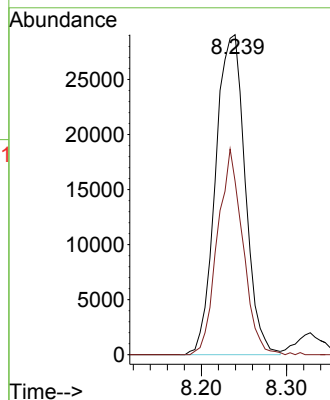
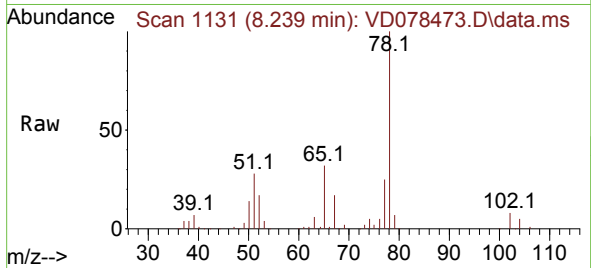
VSTDCCC050

Tgt Ion: 65 Resp: 70082

Ion Ratio Lower Upper

65 100

67 55.1 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. -0.000 min

Lab File: VD078473.D

Acq: 20 Feb 2024 09:33

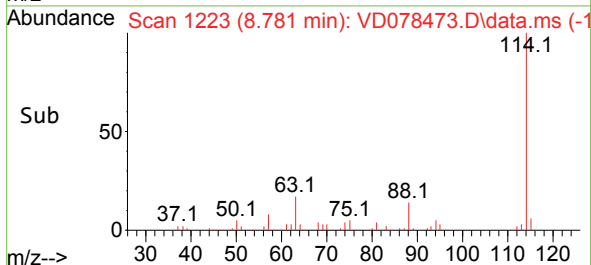
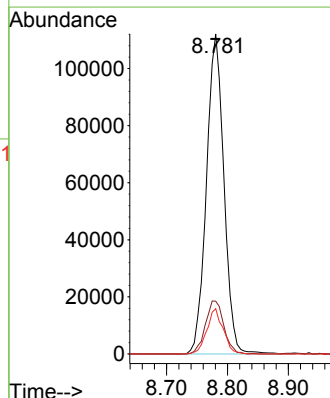
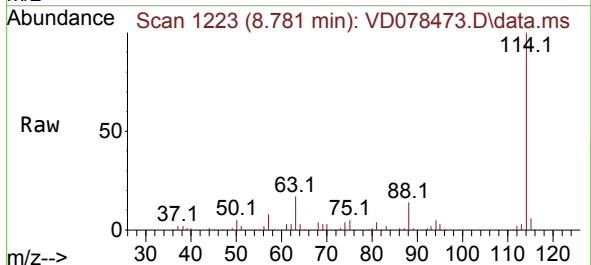
Tgt Ion: 114 Resp: 223091

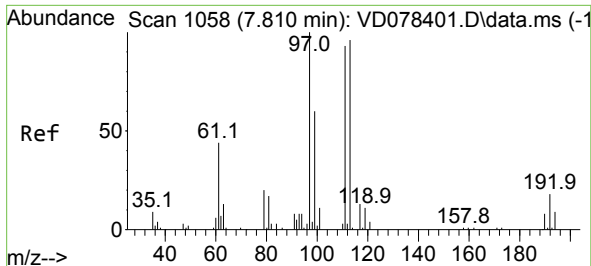
Ion Ratio Lower Upper

114 100

63 16.5 0.0 33.4

88 14.2 0.0 26.2





#35

Dibromofluoromethane

Concen: 56.206 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VD078473.D

Acq: 20 Feb 2024 09:33

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

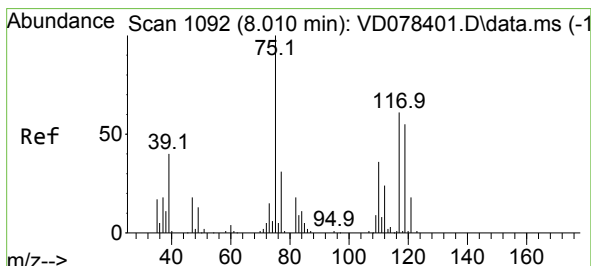
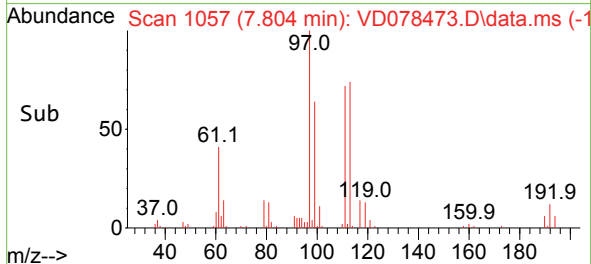
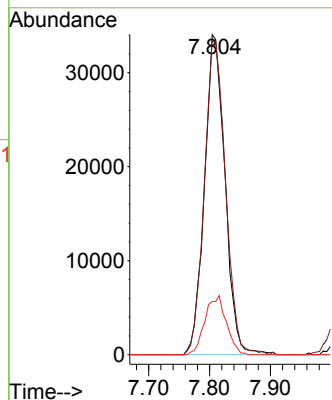
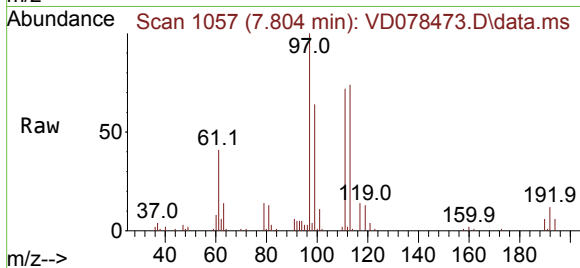
Tgt Ion:113 Resp: 79650

Ion Ratio Lower Upper

113 100

111 101.8 84.7 127.1

192 19.2 16.8 25.2



#36

1,1-Dichloropropene

Concen: 54.823 ug/l

RT: 8.010 min Scan# 1092

Delta R.T. -0.000 min

Lab File: VD078473.D

Acq: 20 Feb 2024 09:33

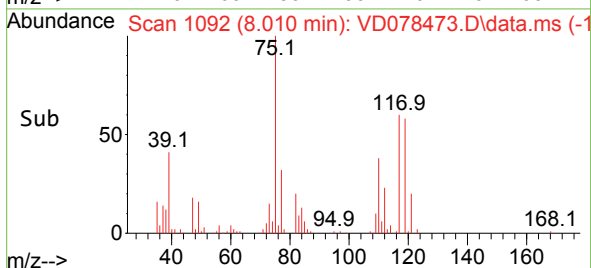
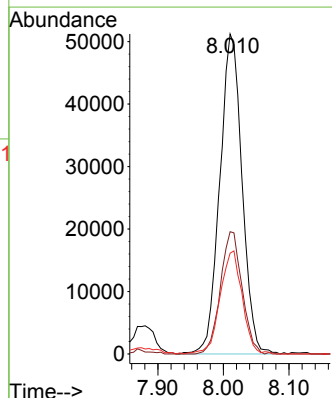
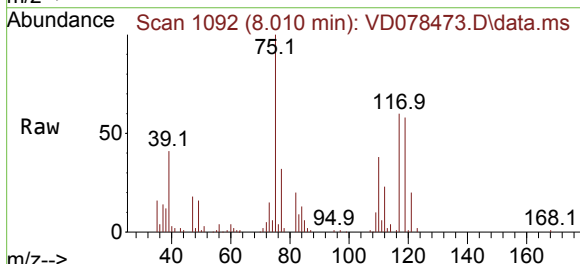
Tgt Ion: 75 Resp: 120690

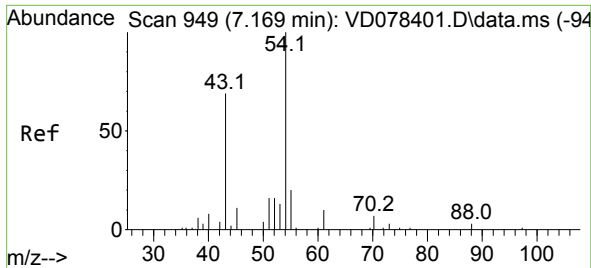
Ion Ratio Lower Upper

75 100

110 37.1 19.9 59.6

77 32.0 24.7 37.1

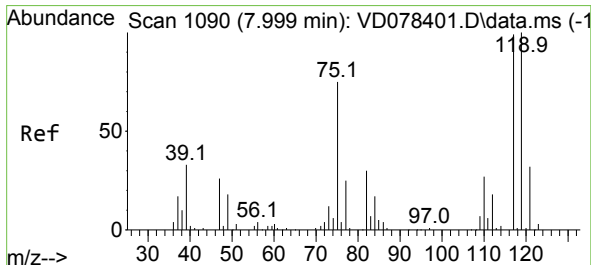
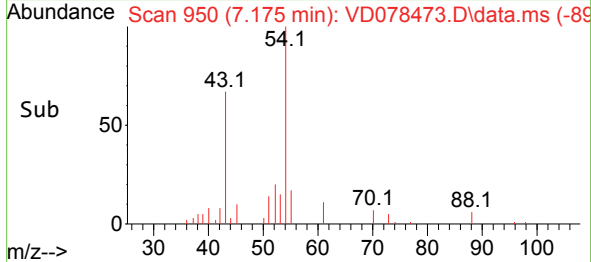
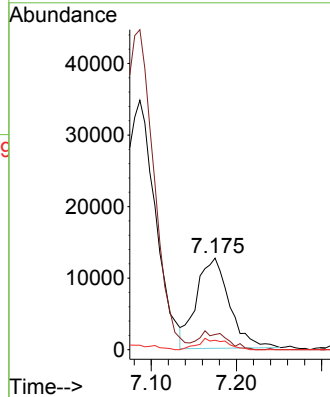
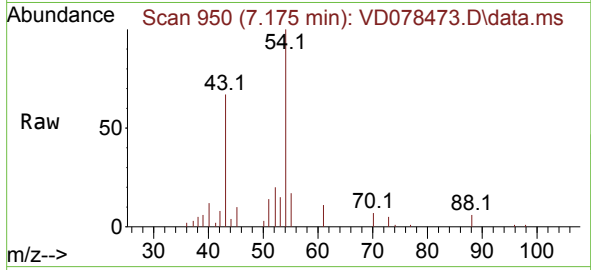




#37  
Ethyl Acetate  
Concen: 43.917 ug/l  
RT: 7.175 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VD078473.D  
Acq: 20 Feb 2024 09:33

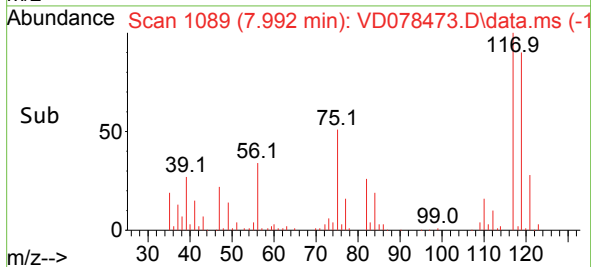
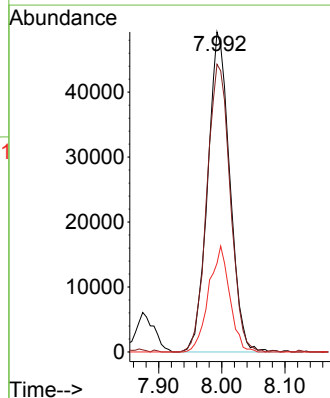
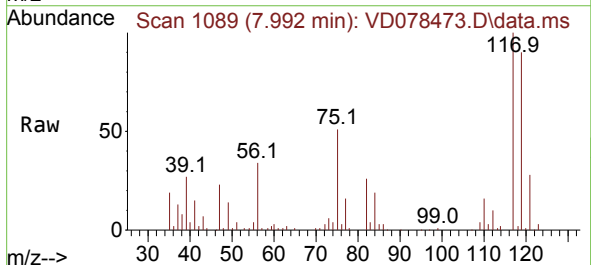
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

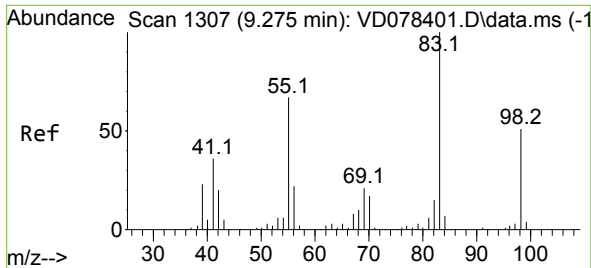
Tgt Ion: 43 Resp: 33891  
Ion Ratio Lower Upper  
43 100  
61 17.0 14.9 22.3  
70 10.5 10.0 15.0



#38  
Carbon Tetrachloride  
Concen: 55.030 ug/l  
RT: 7.992 min Scan# 1089  
Delta R.T. -0.006 min  
Lab File: VD078473.D  
Acq: 20 Feb 2024 09:33

Tgt Ion: 117 Resp: 119974  
Ion Ratio Lower Upper  
117 100  
119 89.9 78.0 117.0  
121 27.7 24.2 36.2

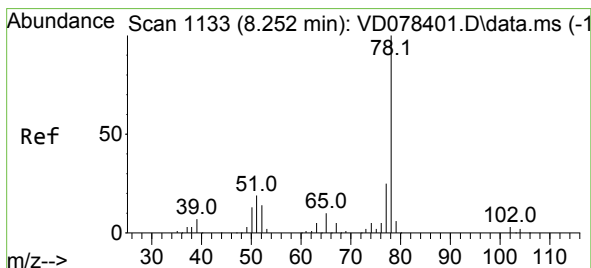
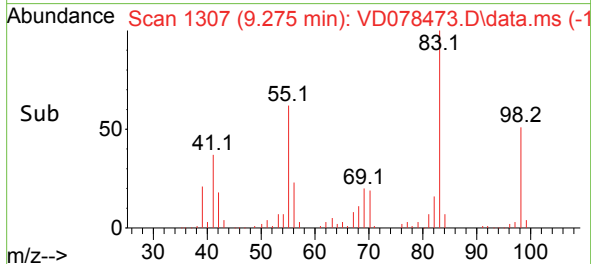
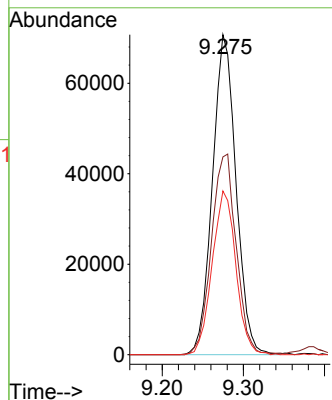
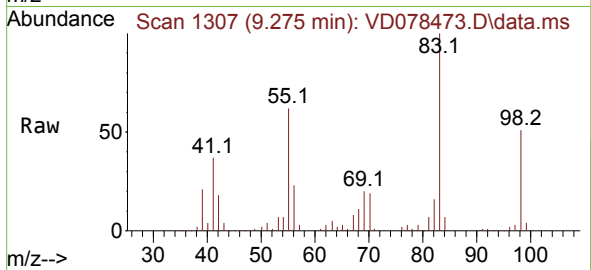




#39  
Methylcyclohexane  
Concen: 54.684 ug/l  
RT: 9.275 min Scan# 11307  
Delta R.T. -0.000 min  
Lab File: VD078473.D  
Acq: 20 Feb 2024 09:33

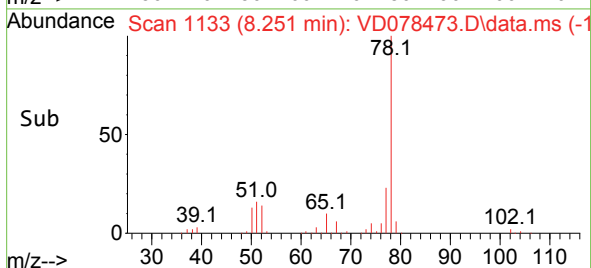
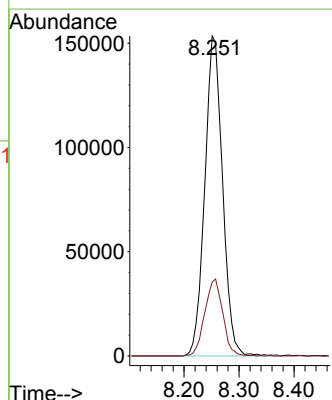
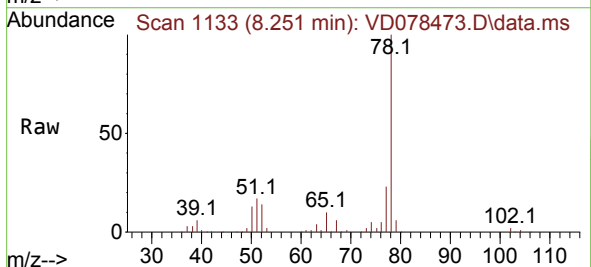
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

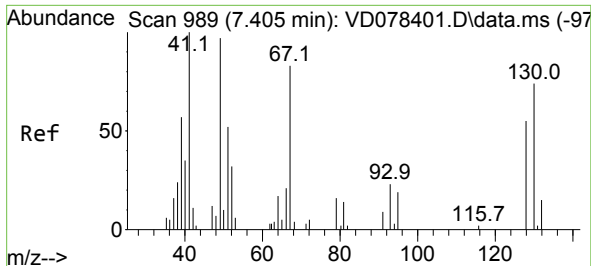
Tgt Ion: 83 Resp: 142915  
Ion Ratio Lower Upper  
83 100  
55 61.8 49.4 74.0  
98 51.2 38.4 57.6



#40  
Benzene  
Concen: 54.218 ug/l  
RT: 8.251 min Scan# 1133  
Delta R.T. -0.000 min  
Lab File: VD078473.D  
Acq: 20 Feb 2024 09:33

Tgt Ion: 78 Resp: 344999  
Ion Ratio Lower Upper  
78 100  
77 23.1 19.4 29.0



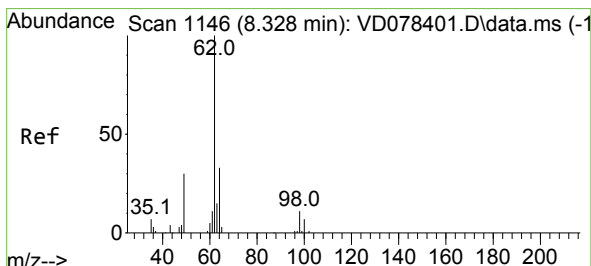
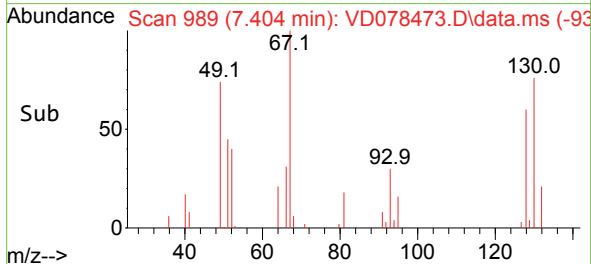
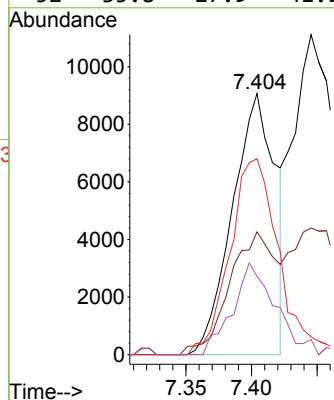
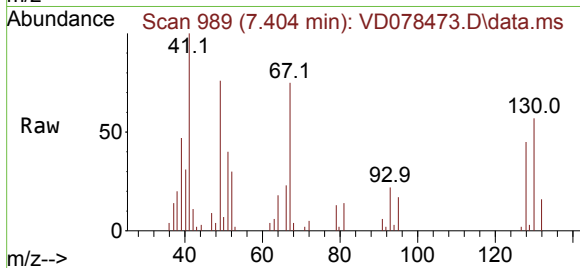


#41  
Methacrylonitrile  
Concen: 51.331 ug/l  
RT: 7.404 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VD078473.D  
Acq: 20 Feb 2024 09:33

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

Tgt Ion: 41 Resp: 20616

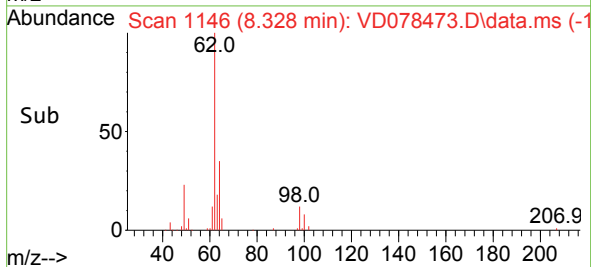
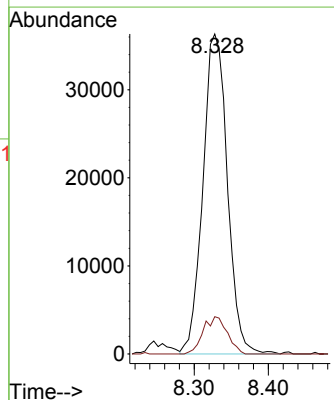
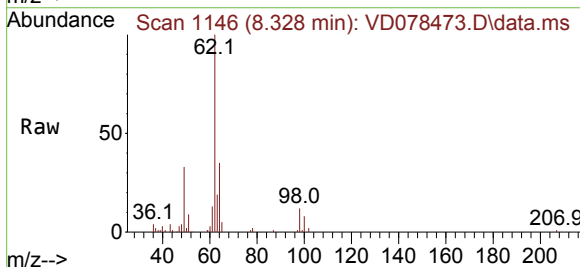
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 39  | 51.3  | 34.0  | 51.0# |
| 67  | 85.3  | 77.0  | 115.4 |
| 52  | 35.8  | 27.9  | 41.9  |

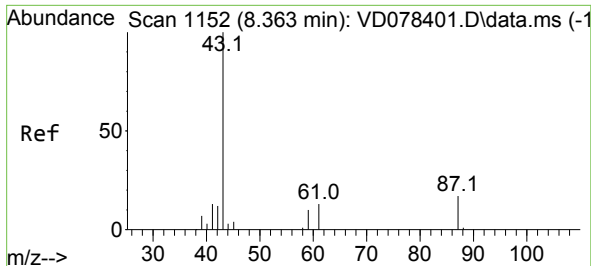


#42  
1,2-Dichloroethane  
Concen: 50.661 ug/l  
RT: 8.328 min Scan# 1146  
Delta R.T. -0.000 min  
Lab File: VD078473.D  
Acq: 20 Feb 2024 09:33

Tgt Ion: 62 Resp: 83412

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 62  | 100   |       |       |
| 98  | 11.4  | 0.0   | 25.4  |

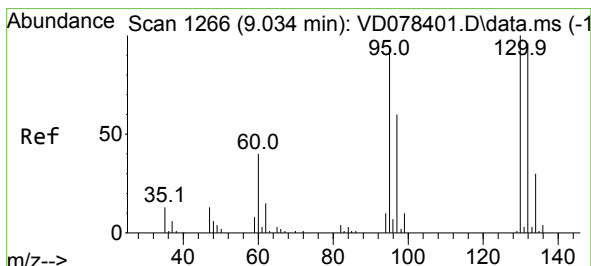
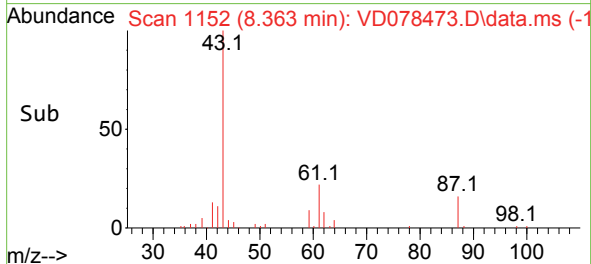
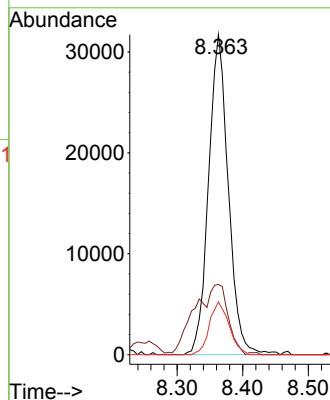
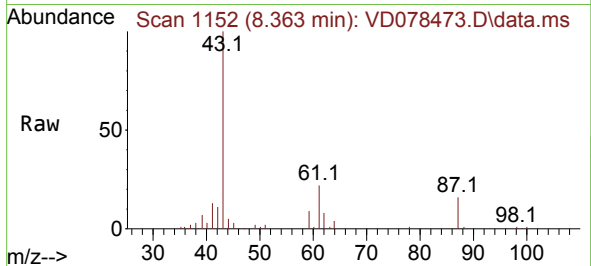




#43  
Isopropyl Acetate  
Concen: 46.526 ug/l  
RT: 8.363 min Scan# 1152  
Delta R.T. -0.000 min  
Lab File: VD078473.D  
Acq: 20 Feb 2024 09:33

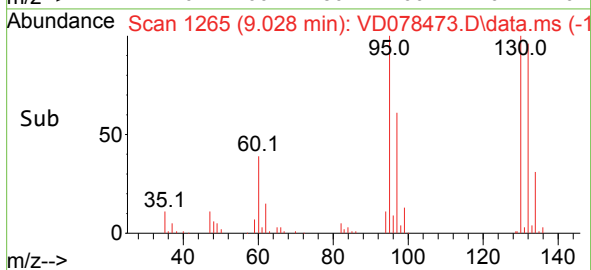
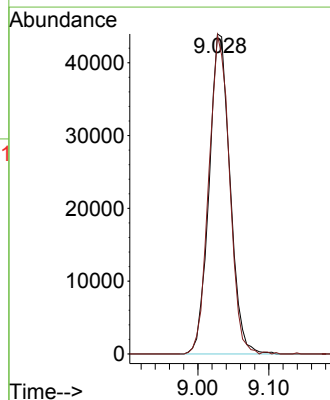
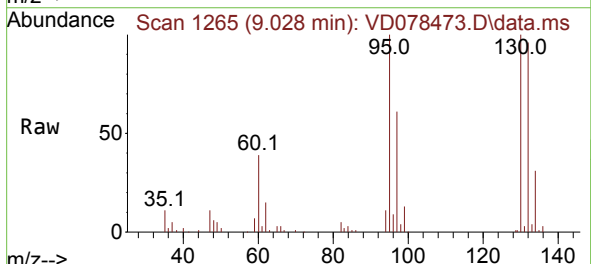
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

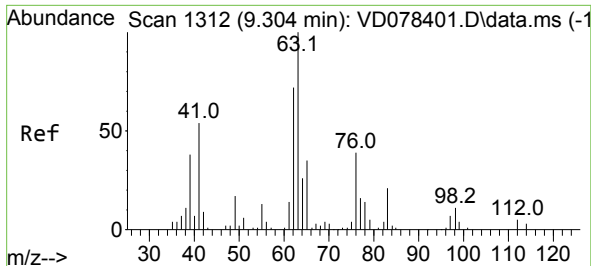
Tgt Ion: 43 Resp: 66486  
Ion Ratio Lower Upper  
43 100  
61 36.9 31.4 47.0  
87 16.4 14.9 22.3



#44  
Trichloroethene  
Concen: 55.550 ug/l  
RT: 9.028 min Scan# 1265  
Delta R.T. -0.006 min  
Lab File: VD078473.D  
Acq: 20 Feb 2024 09:33

Tgt Ion:130 Resp: 90177  
Ion Ratio Lower Upper  
130 100  
95 99.6 0.0 179.2





#45

1,2-Dichloropropane

Concen: 53.396 ug/l

RT: 9.310 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD078473.D

Acq: 20 Feb 2024 09:33

Instrument :

MSVOA\_D

ClientSampleId :

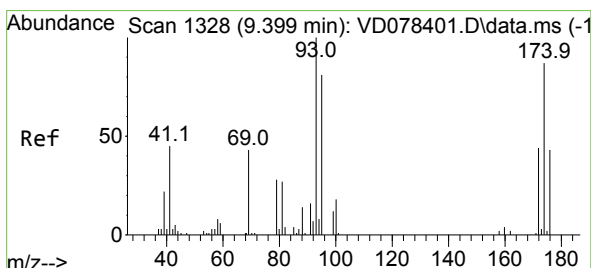
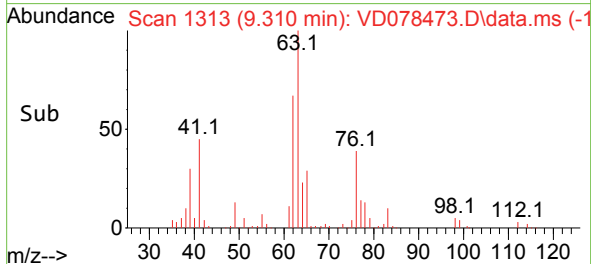
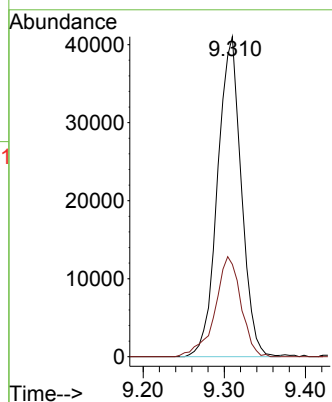
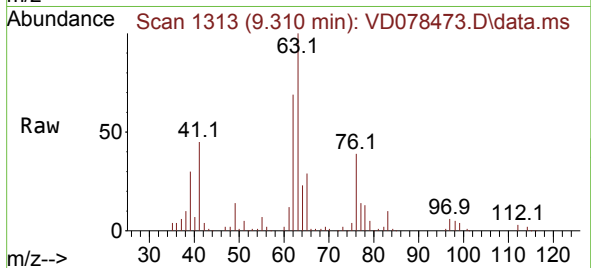
VSTDCCC050

Tgt Ion: 63 Resp: 83364

Ion Ratio Lower Upper

63 100

65 28.9 24.5 36.7



#46

Dibromomethane

Concen: 53.967 ug/l

RT: 9.398 min Scan# 1328

Delta R.T. -0.000 min

Lab File: VD078473.D

Acq: 20 Feb 2024 09:33

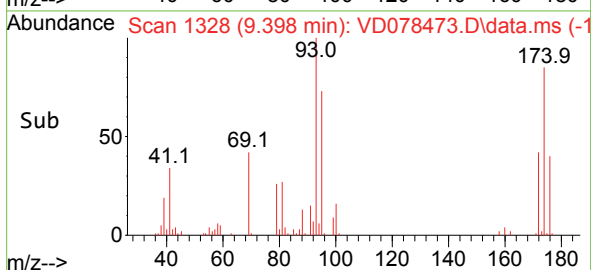
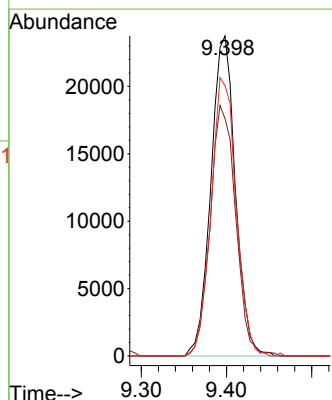
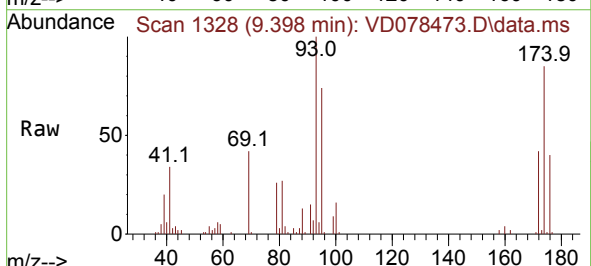
Tgt Ion: 93 Resp: 47391

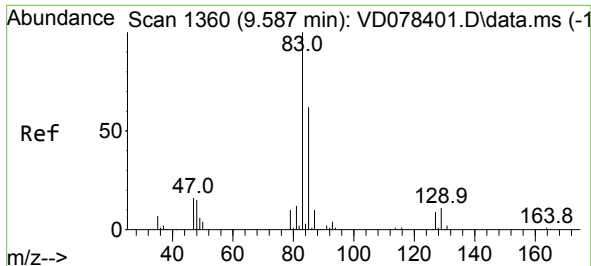
Ion Ratio Lower Upper

93 100

95 81.2 67.7 101.5

174 89.0 85.4 128.2





#47

Bromodichloromethane

Concen: 52.470 ug/l

RT: 9.586 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD078473.D

Acq: 20 Feb 2024 09:33

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

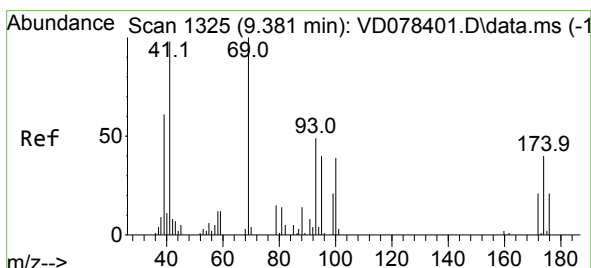
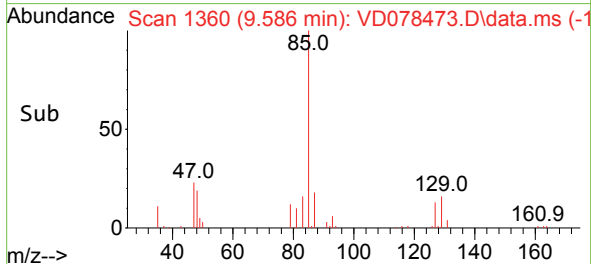
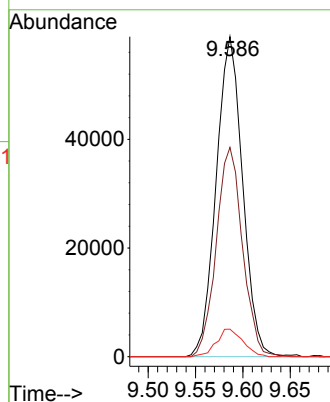
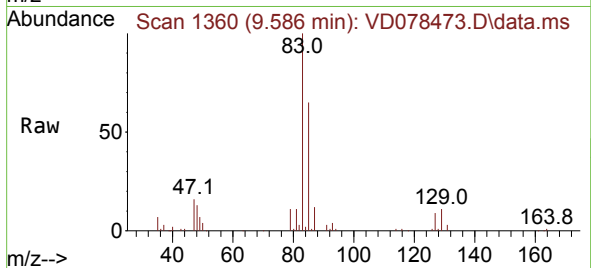
Tgt Ion: 83 Resp: 114124

Ion Ratio Lower Upper

83 100

85 65.4 50.2 75.4

127 8.6 6.3 9.5



#48

Methyl methacrylate

Concen: 50.395 ug/l

RT: 9.381 min Scan# 1325

Delta R.T. -0.000 min

Lab File: VD078473.D

Acq: 20 Feb 2024 09:33

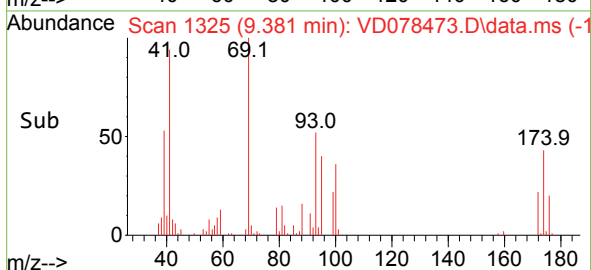
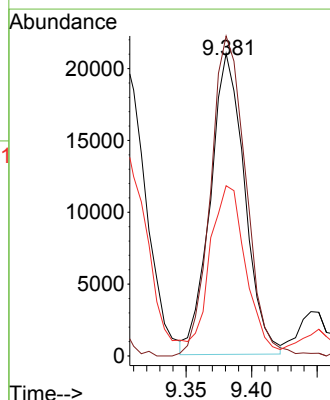
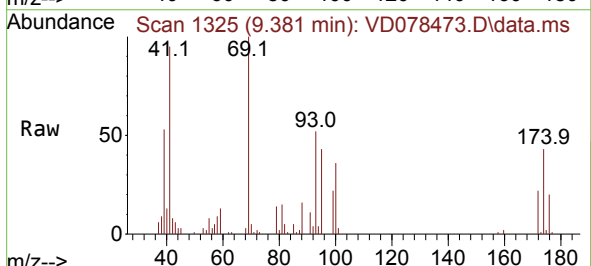
Tgt Ion: 41 Resp: 38207

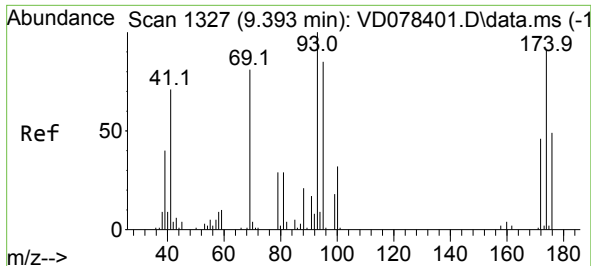
Ion Ratio Lower Upper

41 100

69 109.2 102.2 153.2

39 54.3 41.4 62.2





#49

1,4-Dioxane

Concen: 923.134 ug/l

RT: 9.386 min Scan# 1

Delta R.T. -0.006 min

Lab File: VD078473.D

Acq: 20 Feb 2024 09:33

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

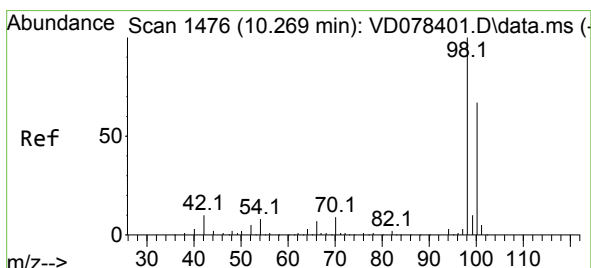
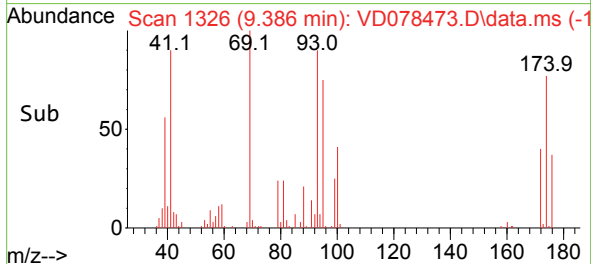
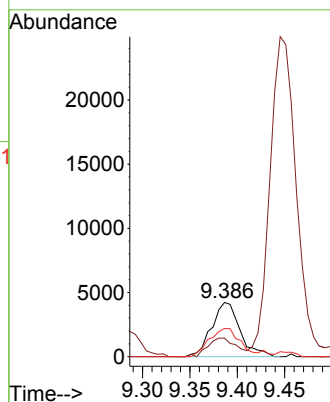
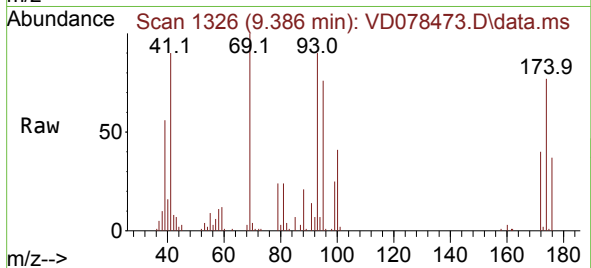
Tgt Ion: 88 Resp: 8779

Ion Ratio Lower Upper

88 100

43 34.8 19.0 28.6#

58 59.9 43.5 65.3



#50

Toluene-d8

Concen: 56.609 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VD078473.D

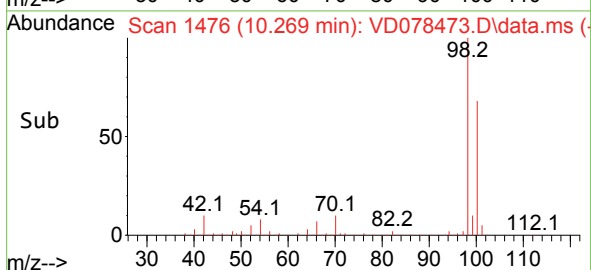
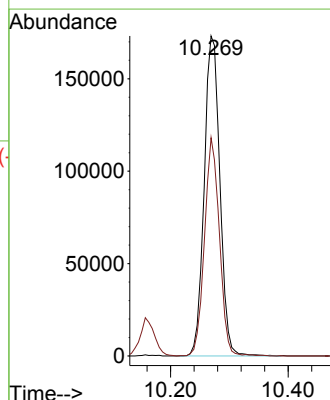
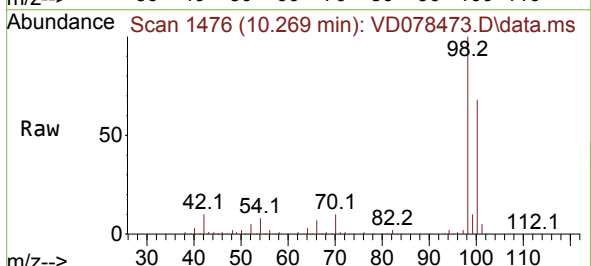
Acq: 20 Feb 2024 09:33

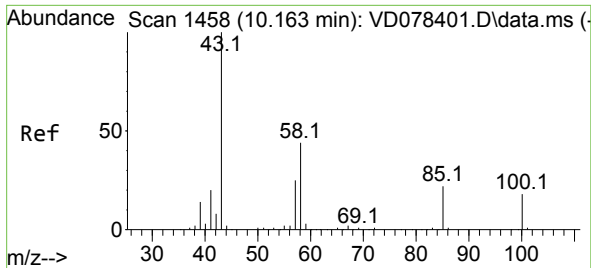
Tgt Ion: 98 Resp: 320907

Ion Ratio Lower Upper

98 100

100 65.0 50.3 75.5

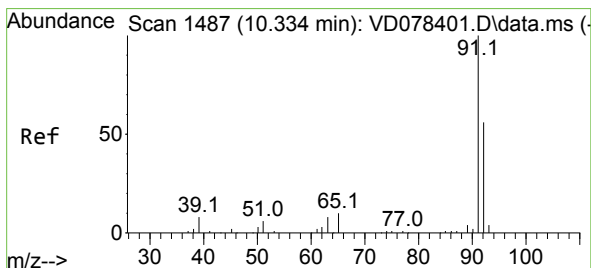
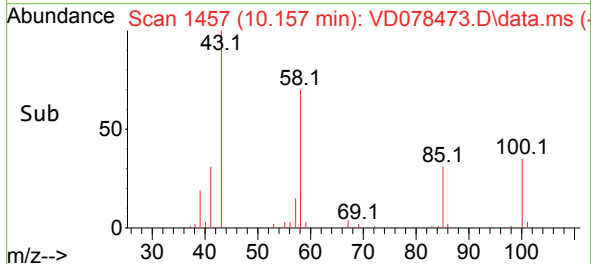
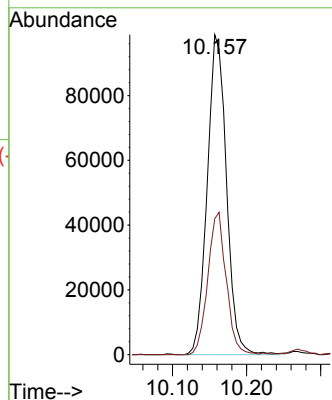
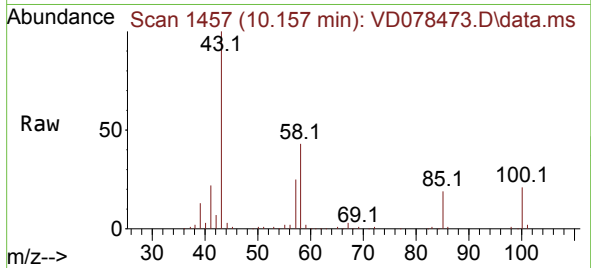




#51  
4-Methyl-2-Pentanone  
Concen: 234.821 ug/l  
RT: 10.157 min Scan# 1457  
Delta R.T. -0.006 min  
Lab File: VD078473.D  
Acq: 20 Feb 2024 09:33

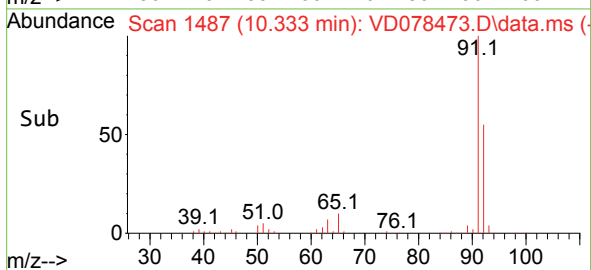
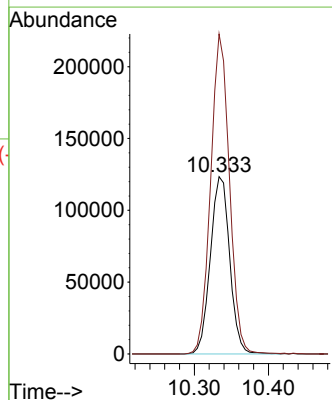
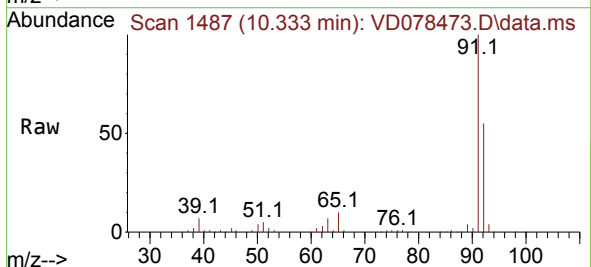
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

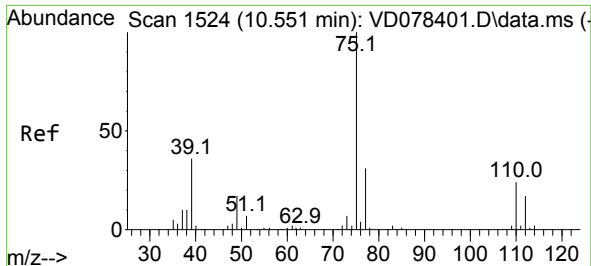
Tgt Ion: 43 Resp: 178100  
Ion Ratio Lower Upper  
43 100  
58 42.5 38.9 58.3



#52  
Toluene  
Concen: 55.590 ug/l  
RT: 10.333 min Scan# 1487  
Delta R.T. -0.000 min  
Lab File: VD078473.D  
Acq: 20 Feb 2024 09:33

Tgt Ion: 92 Resp: 223694  
Ion Ratio Lower Upper  
92 100  
91 175.4 143.0 214.4

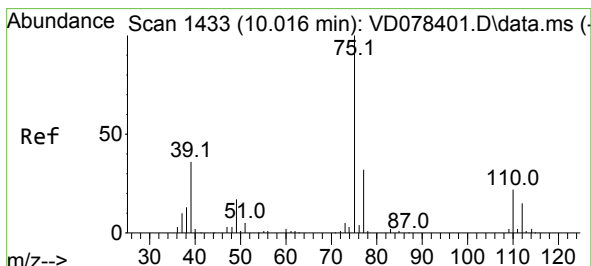
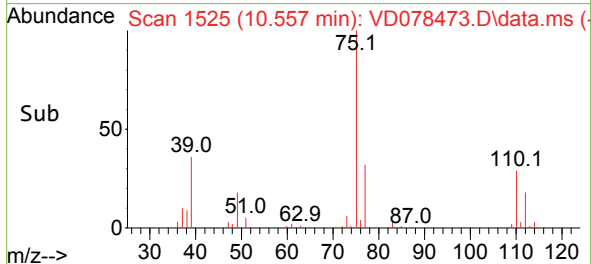
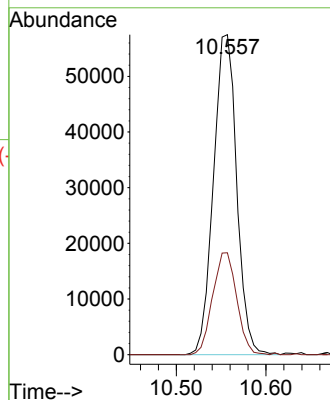
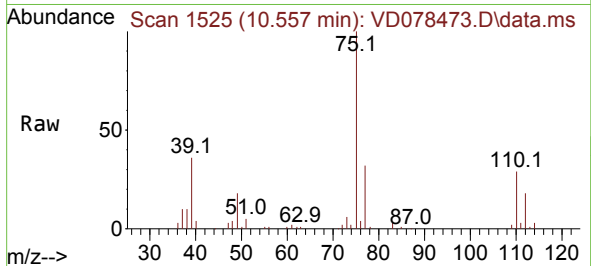




#53  
 t-1,3-Dichloropropene  
 Concen: 52.082 ug/l  
 RT: 10.557 min Scan# 11  
 Delta R.T. 0.006 min  
 Lab File: VD078473.D  
 Acq: 20 Feb 2024 09:33

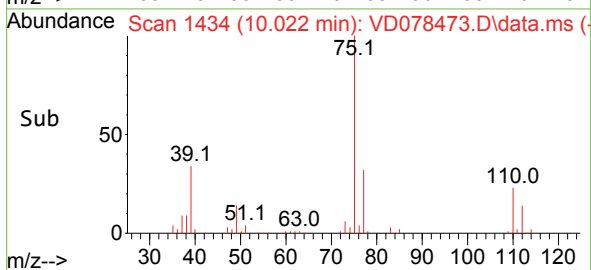
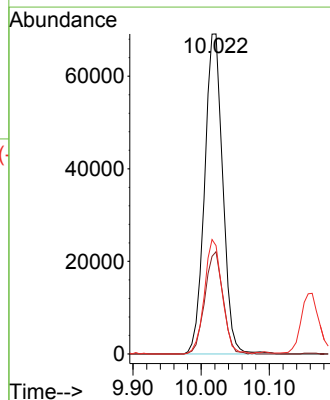
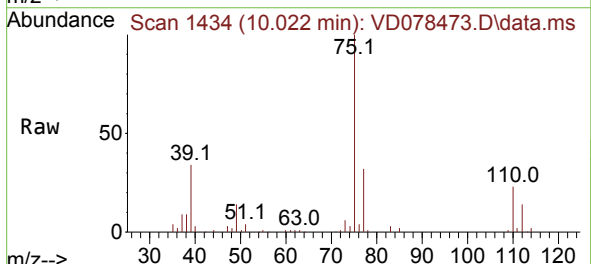
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

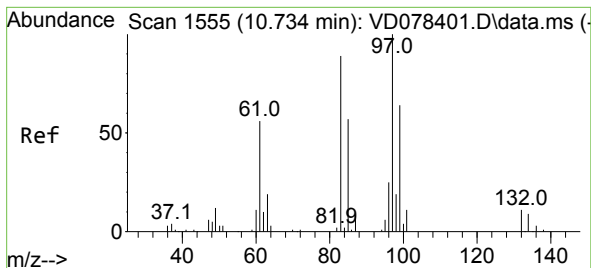
Tgt Ion: 75 Resp: 103365  
 Ion Ratio Lower Upper  
 75 100  
 77 31.9 25.3 37.9



#54  
 cis-1,3-Dichloropropene  
 Concen: 53.365 ug/l  
 RT: 10.022 min Scan# 1434  
 Delta R.T. 0.006 min  
 Lab File: VD078473.D  
 Acq: 20 Feb 2024 09:33

Tgt Ion: 75 Resp: 128425  
 Ion Ratio Lower Upper  
 75 100  
 77 32.0 25.5 38.3  
 39 33.9 22.1 33.1#





#55

1,1,2-Trichloroethane

Concen: 52.726 ug/l

RT: 10.733 min Scan# 1555

Delta R.T. -0.000 min

Lab File: VD078473.D

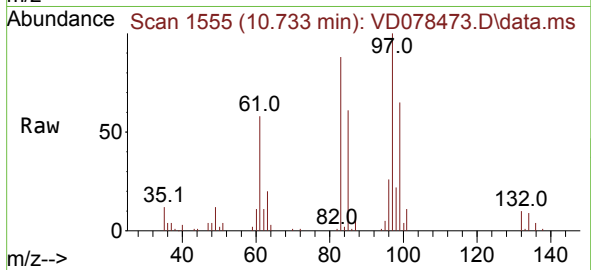
Acq: 20 Feb 2024 09:33

Instrument :

MSVOA\_D

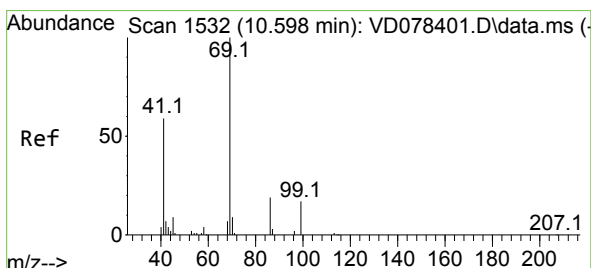
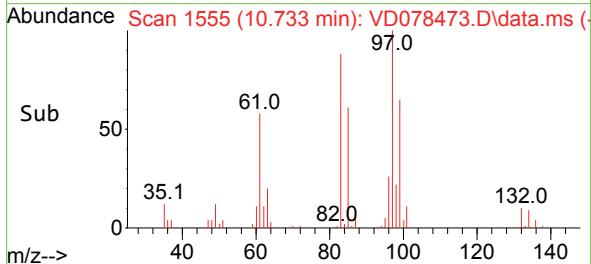
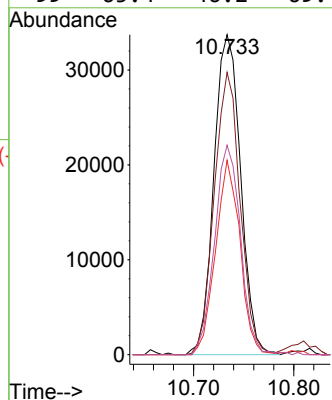
ClientSampleId :

VSTDCCC050



Tgt Ion: 97 Resp: 62353

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 88.2  | 65.8  | 98.6  |
| 85  | 60.8  | 45.7  | 68.5  |
| 99  | 65.4  | 46.2  | 69.4  |



#56

Ethyl methacrylate

Concen: 43.472 ug/l

RT: 10.598 min Scan# 1532

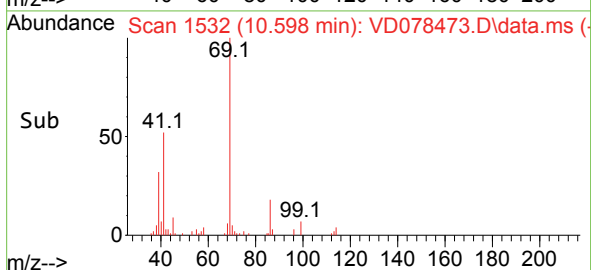
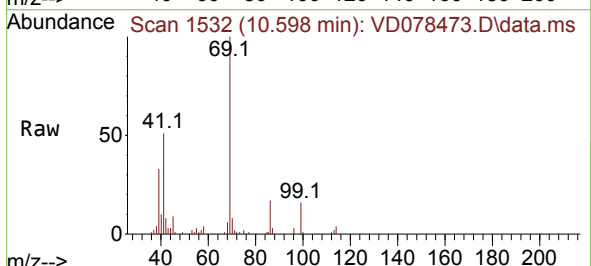
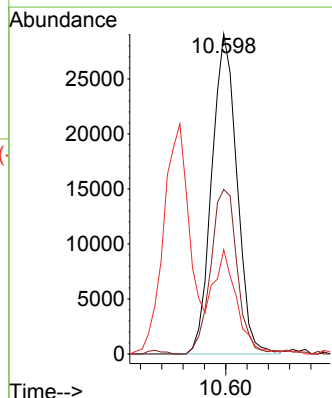
Delta R.T. -0.000 min

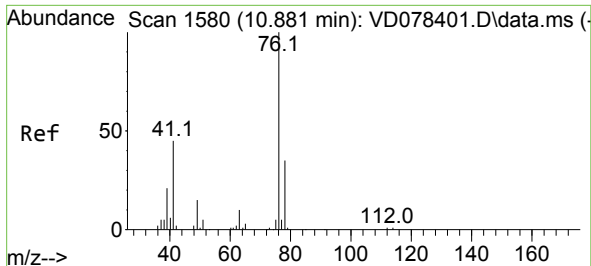
Lab File: VD078473.D

Acq: 20 Feb 2024 09:33

Tgt Ion: 69 Resp: 47547

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 53.8  | 39.1  | 58.7  |
| 39  | 29.1  | 20.0  | 30.0  |

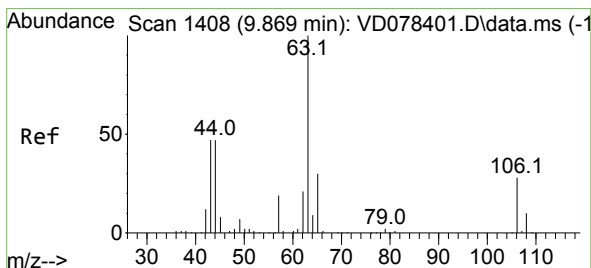
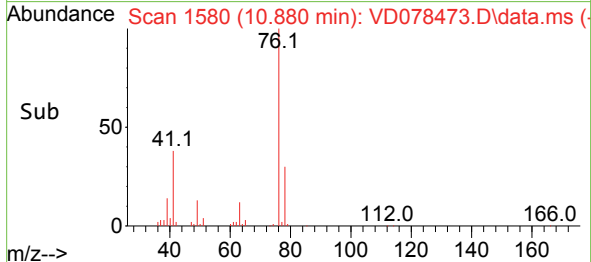
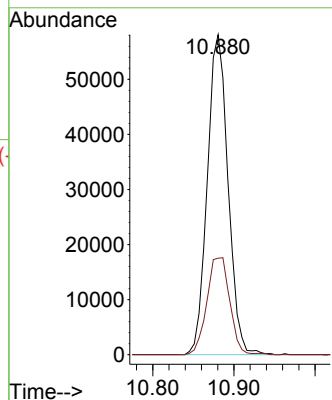
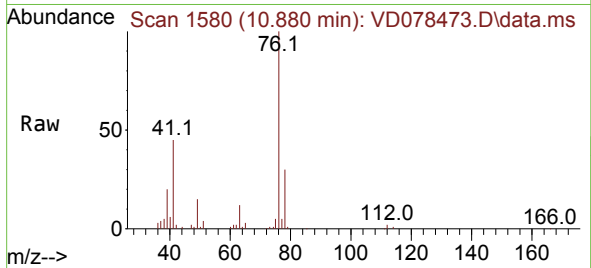




#57  
1,3-Dichloropropane  
Concen: 51.221 ug/l  
RT: 10.880 min Scan# 1580  
Delta R.T. -0.000 min  
Lab File: VD078473.D  
Acq: 20 Feb 2024 09:33

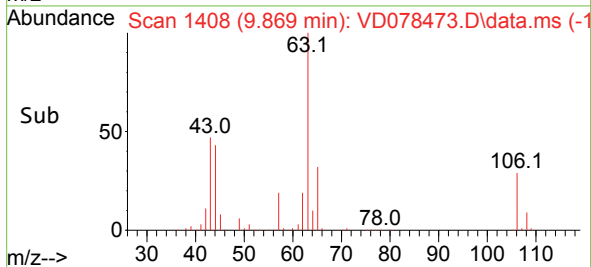
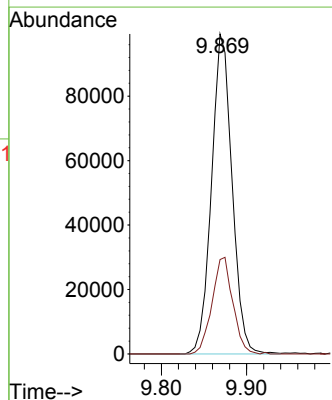
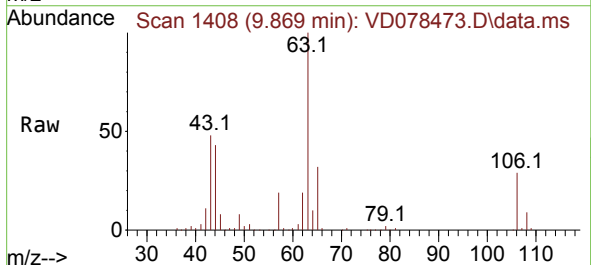
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

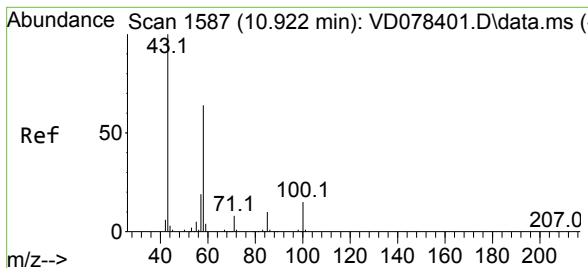
Tgt Ion: 76 Resp: 103040  
Ion Ratio Lower Upper  
76 100  
78 33.6 26.4 39.6



#58  
2-Chloroethyl Vinyl ether  
Concen: 258.796 ug/l  
RT: 9.869 min Scan# 1408  
Delta R.T. -0.000 min  
Lab File: VD078473.D  
Acq: 20 Feb 2024 09:33

Tgt Ion: 63 Resp: 166730  
Ion Ratio Lower Upper  
63 100  
106 30.4 25.3 37.9

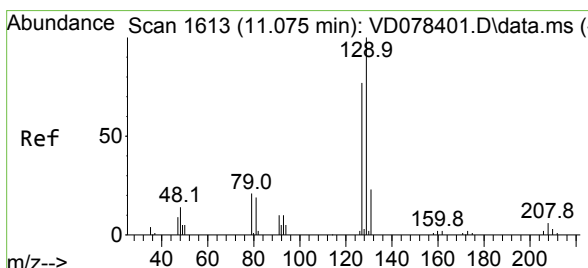
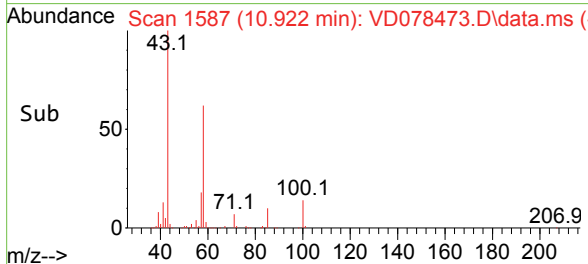
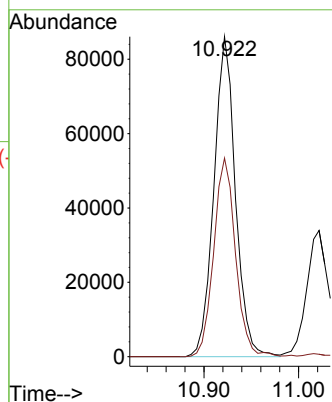
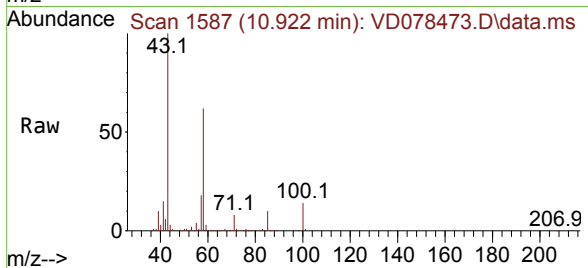




#59  
2-Hexanone  
Concen: 238.465 ug/l  
RT: 10.922 min Scan# 1587  
Delta R.T. -0.000 min  
Lab File: VD078473.D  
Acq: 20 Feb 2024 09:33

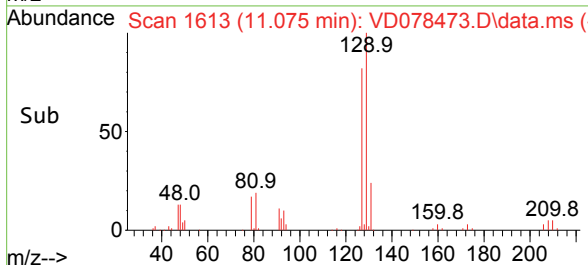
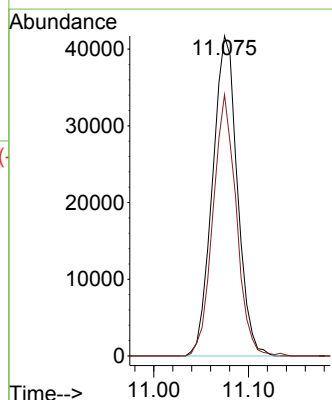
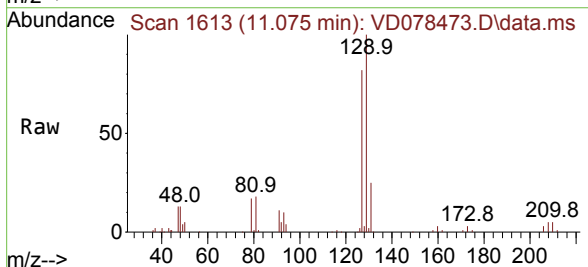
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

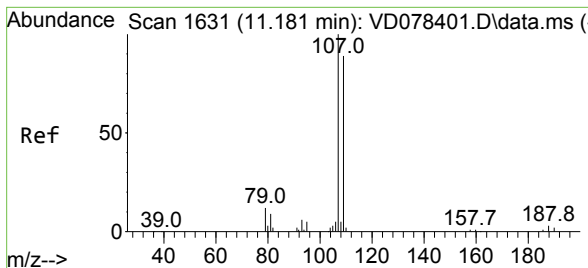
Tgt Ion: 43 Resp: 135921  
Ion Ratio Lower Upper  
43 100  
58 62.8 34.1 102.2



#60  
Dibromochloromethane  
Concen: 53.383 ug/l  
RT: 11.075 min Scan# 1613  
Delta R.T. -0.000 min  
Lab File: VD078473.D  
Acq: 20 Feb 2024 09:33

Tgt Ion: 129 Resp: 75957  
Ion Ratio Lower Upper  
129 100  
127 76.8 37.1 111.5

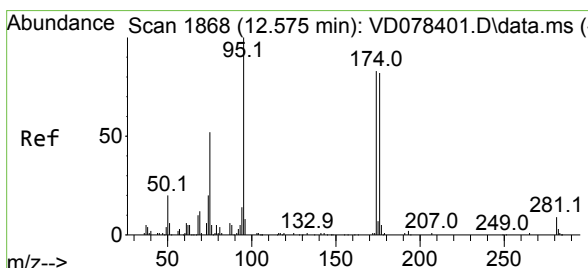
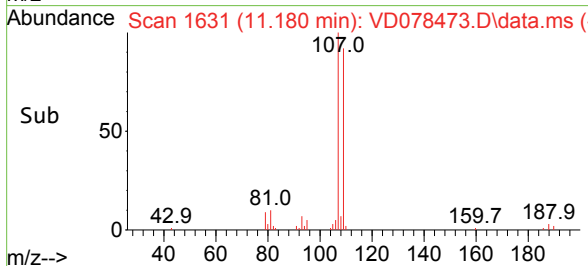
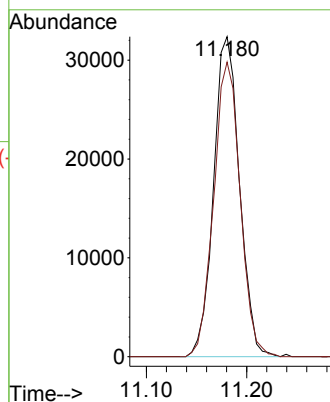
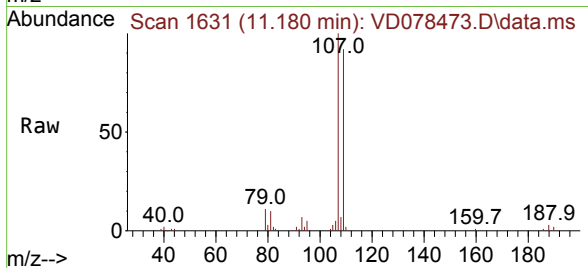




#61  
1,2-Dibromoethane  
Concen: 52.357 ug/l  
RT: 11.180 min Scan# 1631  
Delta R.T. -0.000 min  
Lab File: VD078473.D  
Acq: 20 Feb 2024 09:33

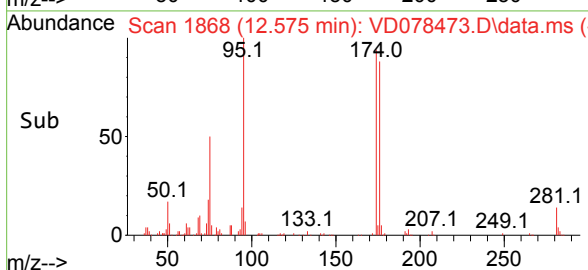
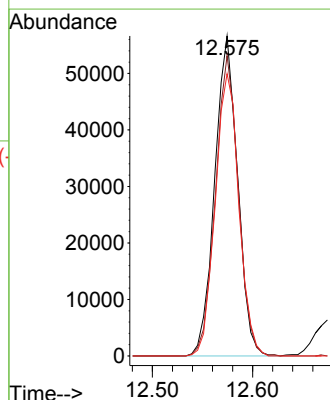
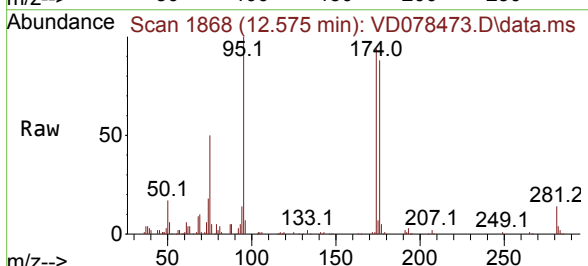
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

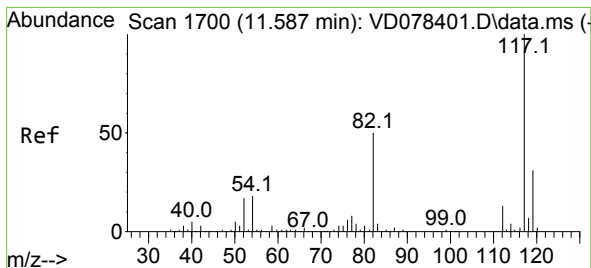
Tgt Ion:107 Resp: 58128  
Ion Ratio Lower Upper  
107 100  
109 94.1 75.6 113.4



#62  
4-Bromofluorobenzene  
Concen: 54.425 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. -0.000 min  
Lab File: VD078473.D  
Acq: 20 Feb 2024 09:33

Tgt Ion: 95 Resp: 89782  
Ion Ratio Lower Upper  
95 100  
174 94.0 0.0 201.8  
176 90.9 0.0 191.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.580 min Scan# 1

Delta R.T. -0.006 min

Lab File: VD078473.D

Acq: 20 Feb 2024 09:33

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

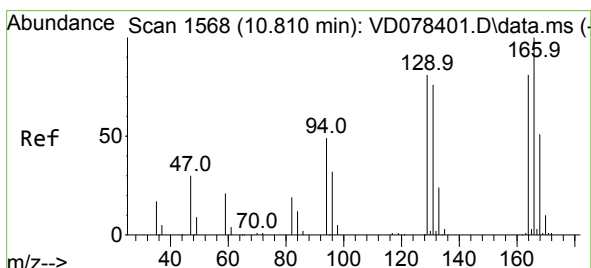
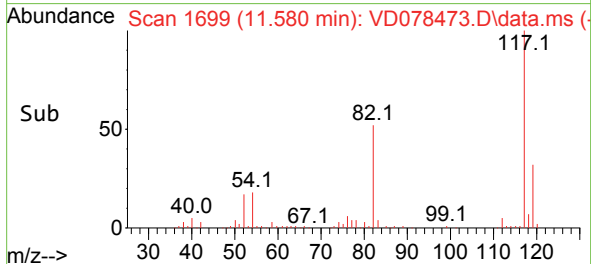
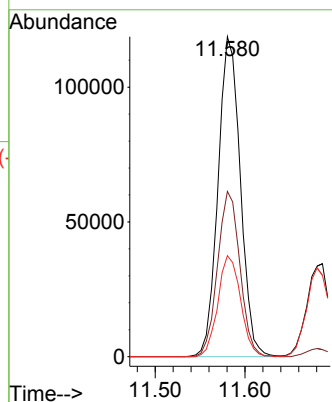
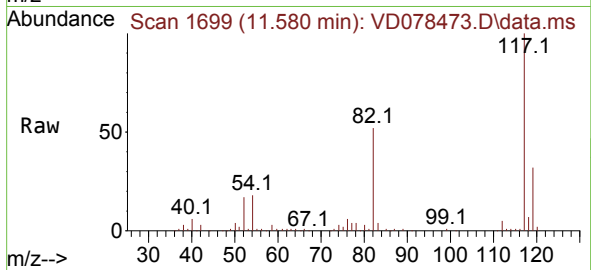
Tgt Ion:117 Resp: 204985

Ion Ratio Lower Upper

117 100

82 51.6 38.3 57.5

119 31.5 25.0 37.4



#64

Tetrachloroethene

Concen: 56.849 ug/l

RT: 10.810 min Scan# 1568

Delta R.T. -0.000 min

Lab File: VD078473.D

Acq: 20 Feb 2024 09:33

Tgt Ion:164 Resp: 73605

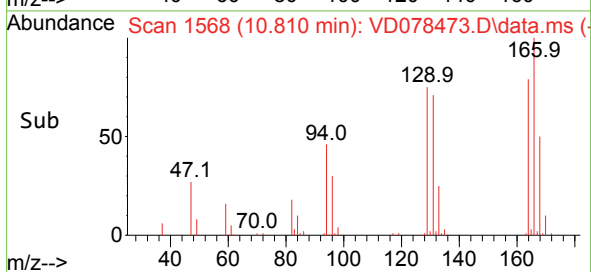
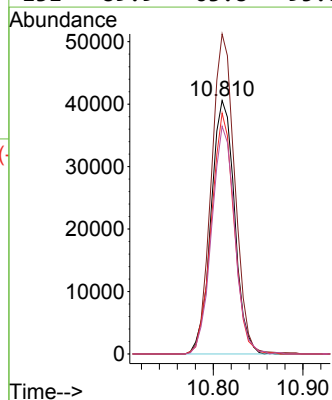
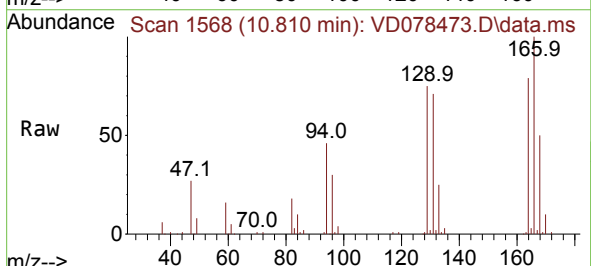
Ion Ratio Lower Upper

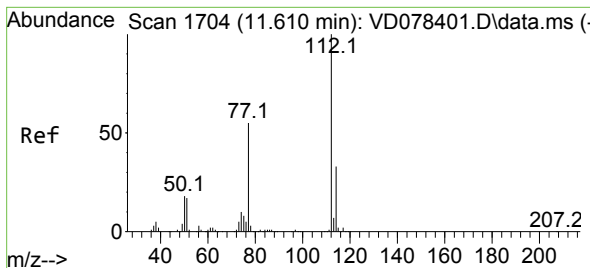
164 100

166 126.3 99.2 148.8

129 95.1 68.4 102.6

131 89.9 63.8 95.8





#65

Chlorobenzene

Concen: 56.053 ug/l

RT: 11.604 min Scan# 1703

Delta R.T. -0.006 min

Lab File: VD078473.D

Acq: 20 Feb 2024 09:33

Instrument :

MSVOA\_D

ClientSampleId :

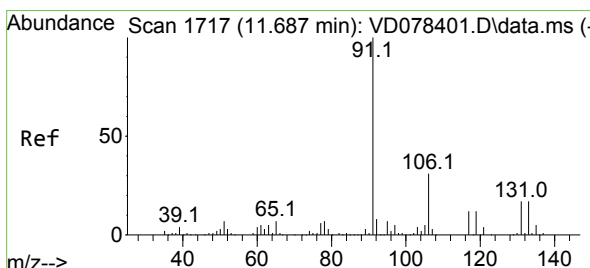
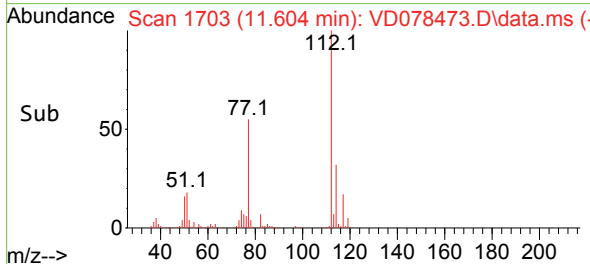
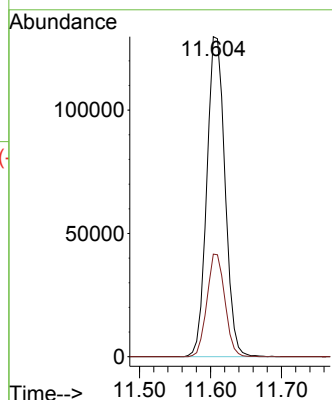
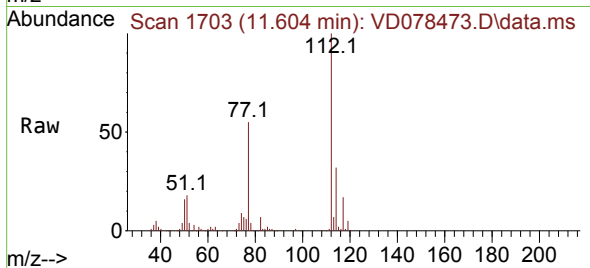
VSTDCCC050

Tgt Ion:112 Resp: 230994

Ion Ratio Lower Upper

112 100

114 32.1 25.1 37.7



#66

1,1,1,2-Tetrachloroethane

Concen: 56.697 ug/l

RT: 11.680 min Scan# 1716

Delta R.T. -0.006 min

Lab File: VD078473.D

Acq: 20 Feb 2024 09:33

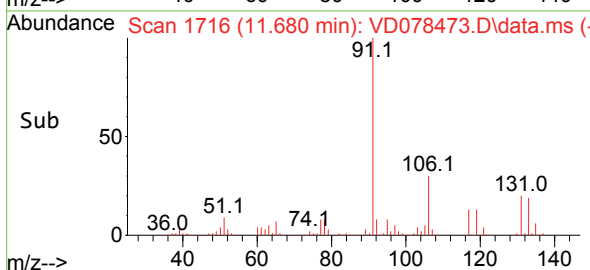
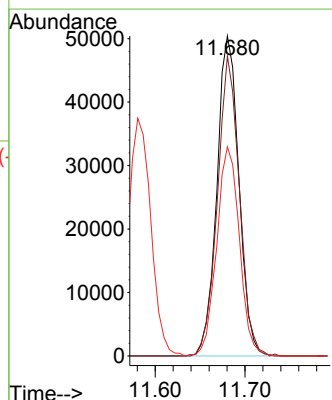
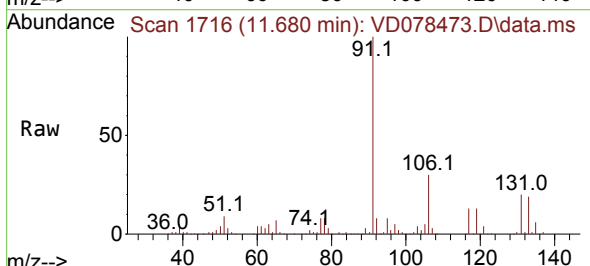
Tgt Ion:131 Resp: 85865

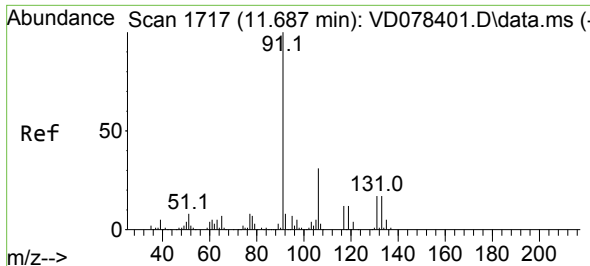
Ion Ratio Lower Upper

131 100

133 93.4 48.5 145.5

119 67.4 35.6 106.9

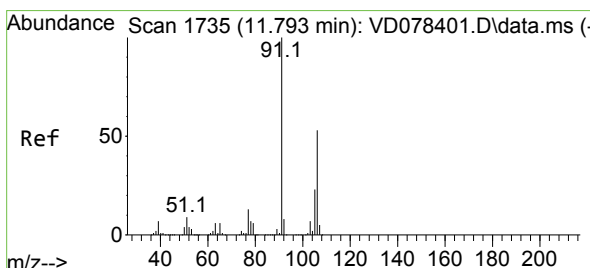
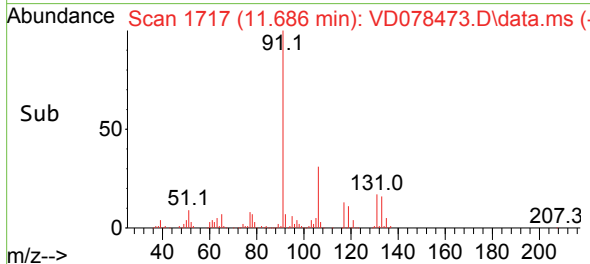
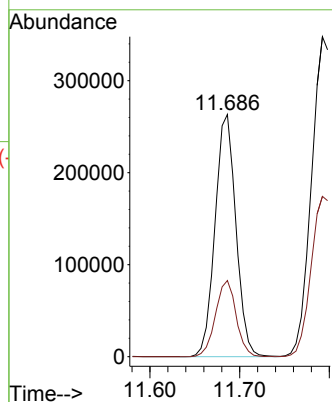
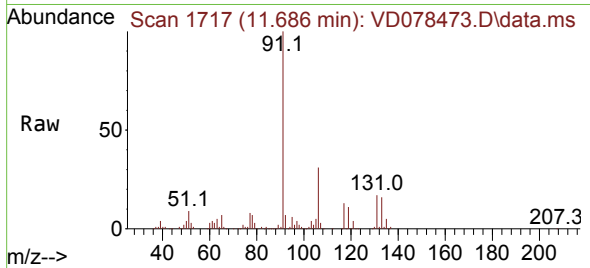




#67  
Ethyl Benzene  
Concen: 57.548 ug/l  
RT: 11.686 min Scan# 1717  
Delta R.T. -0.000 min  
Lab File: VD078473.D  
Acq: 20 Feb 2024 09:33

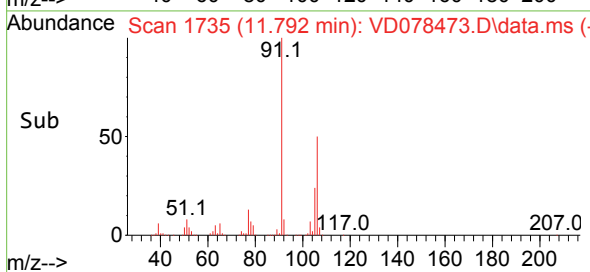
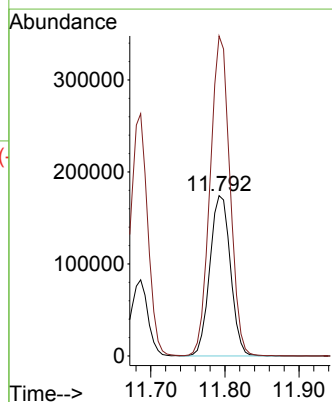
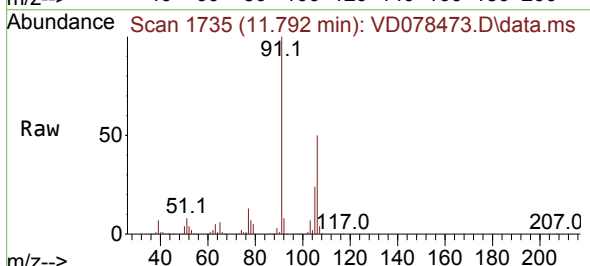
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

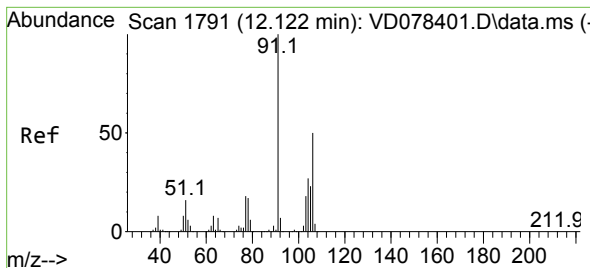
Tgt Ion: 91 Resp: 424926  
Ion Ratio Lower Upper  
91 100  
106 31.5 26.5 39.7



#68  
m/p-Xylenes  
Concen: 116.762 ug/l  
RT: 11.792 min Scan# 1735  
Delta R.T. -0.000 min  
Lab File: VD078473.D  
Acq: 20 Feb 2024 09:33

Tgt Ion:106 Resp: 336294  
Ion Ratio Lower Upper  
106 100  
91 192.4 147.0 220.6





#69

o-Xylene

Concen: 56.938 ug/l

RT: 12.122 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VD078473.D

Acq: 20 Feb 2024 09:33

Instrument :

MSVOA\_D

ClientSampleId :

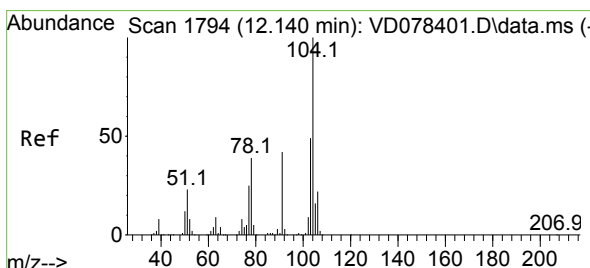
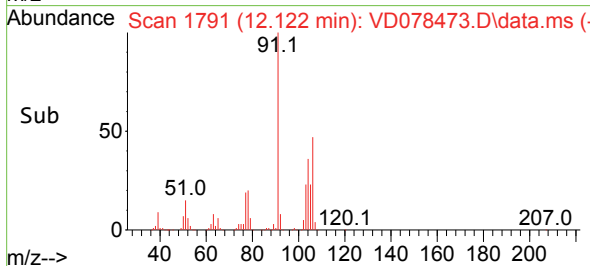
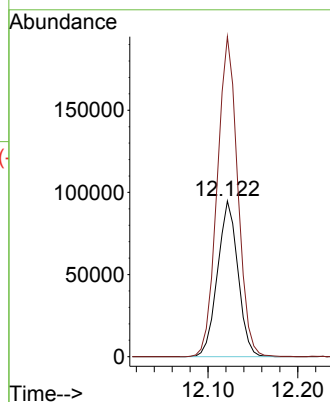
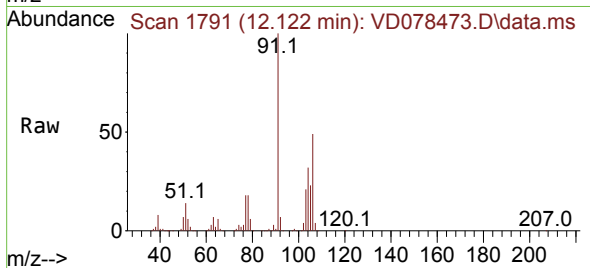
VSTDCCC050

Tgt Ion:106 Resp: 149652

Ion Ratio Lower Upper

106 100

91 206.8 97.9 293.6



#70

Styrene

Concen: 53.688 ug/l

RT: 12.133 min Scan# 1793

Delta R.T. -0.006 min

Lab File: VD078473.D

Acq: 20 Feb 2024 09:33

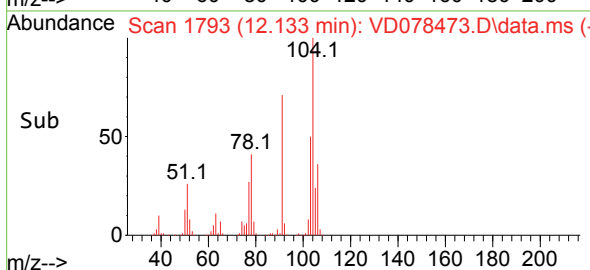
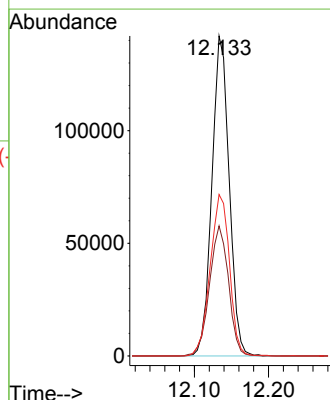
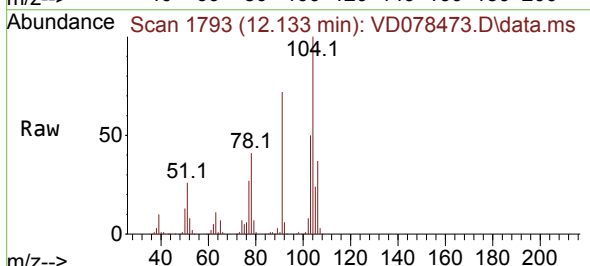
Tgt Ion:104 Resp: 230297

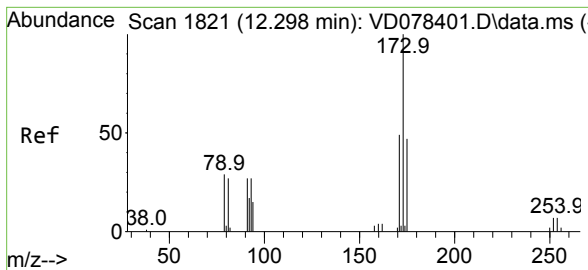
Ion Ratio Lower Upper

104 100

78 44.7 33.2 49.8

103 56.3 43.6 65.4

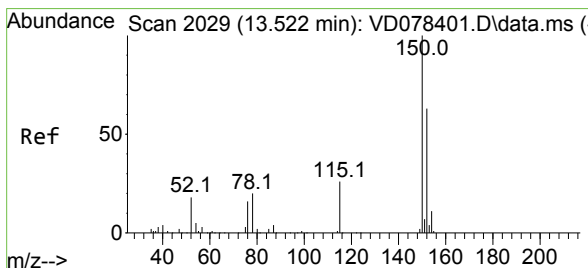
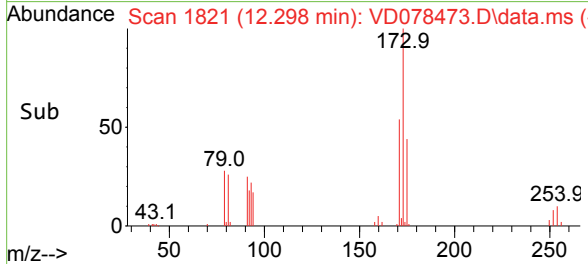
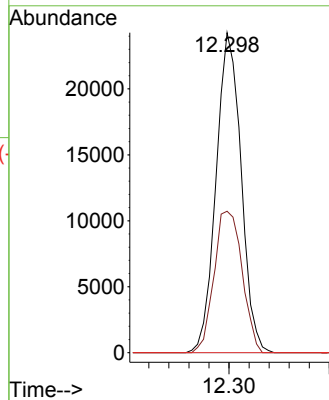
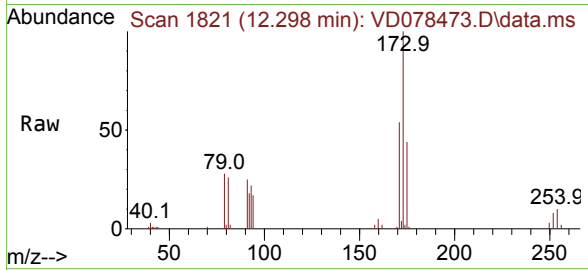




#71  
Bromoform  
Concen: 52.670 ug/l  
RT: 12.298 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD078473.D  
Acq: 20 Feb 2024 09:33

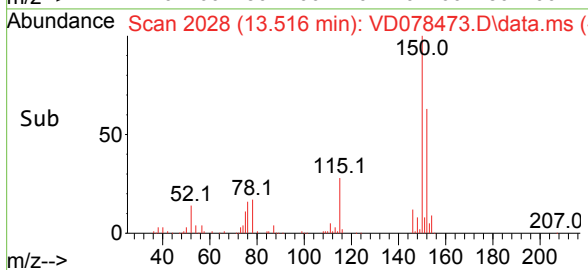
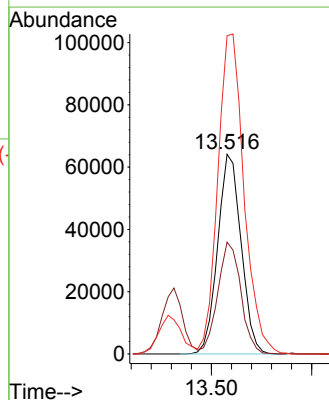
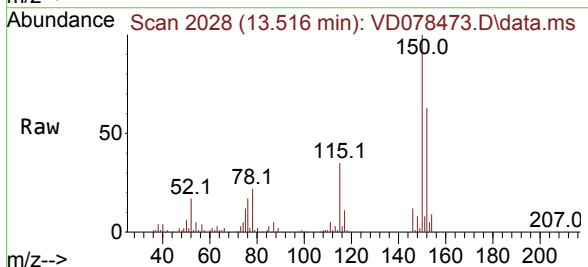
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

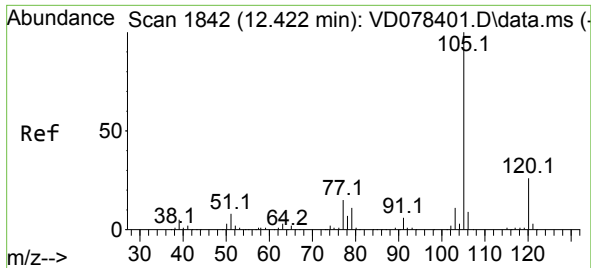
Tgt Ion:173 Resp: 41984  
Ion Ratio Lower Upper  
173 100  
175 49.6 24.6 73.8  
254 0.0 0.0 0.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.516 min Scan# 2028  
Delta R.T. -0.006 min  
Lab File: VD078473.D  
Acq: 20 Feb 2024 09:33

Tgt Ion:152 Resp: 104164  
Ion Ratio Lower Upper  
152 100  
115 55.3 27.1 81.3  
150 178.6 0.0 353.6

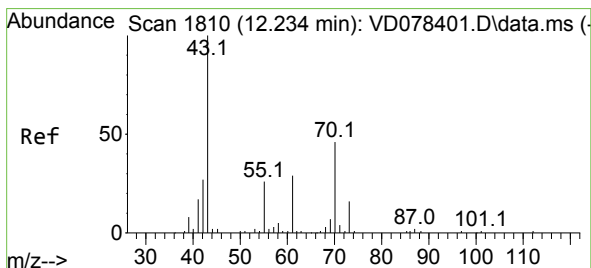
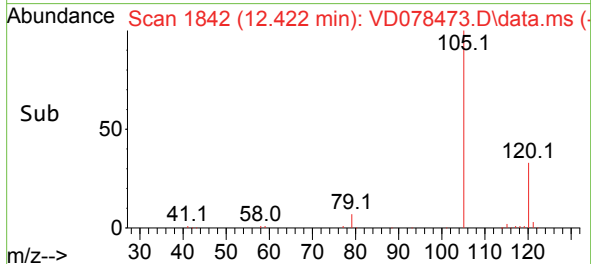
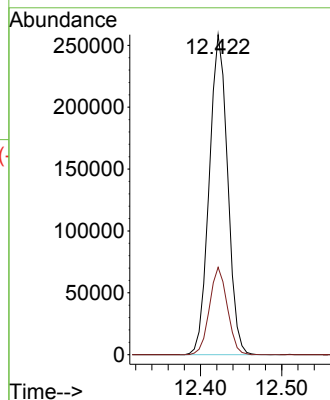
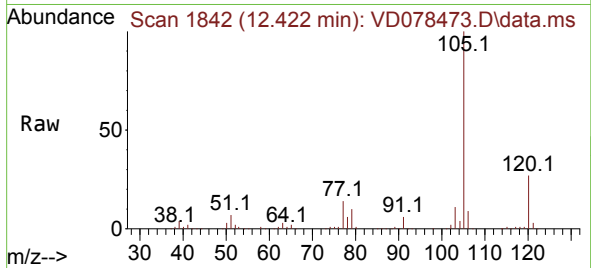




#73  
Isopropylbenzene  
Concen: 58.135 ug/l  
RT: 12.422 min Scan# 1842  
Delta R.T. -0.000 min  
Lab File: VD078473.D  
Acq: 20 Feb 2024 09:33

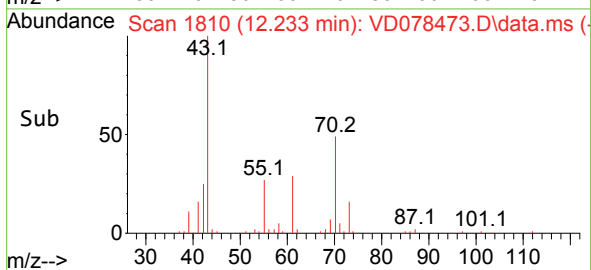
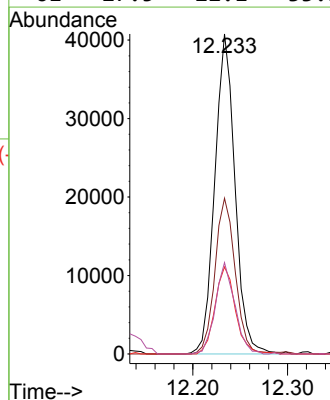
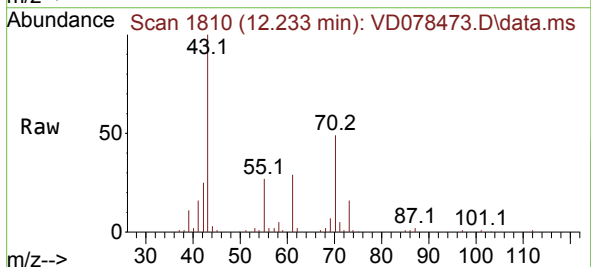
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

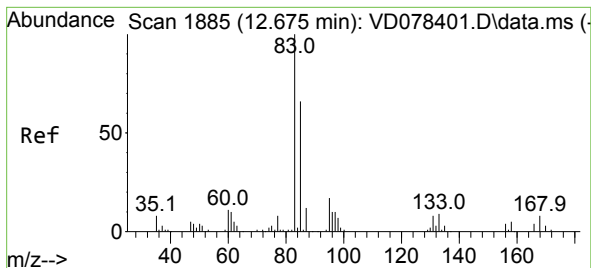
Tgt Ion:105 Resp: 406627  
Ion Ratio Lower Upper  
105 100  
120 26.4 14.3 42.9



#74  
N-ethyl acetate  
Concen: 45.685 ug/l  
RT: 12.233 min Scan# 1810  
Delta R.T. -0.000 min  
Lab File: VD078473.D  
Acq: 20 Feb 2024 09:33

Tgt Ion: 43 Resp: 60452  
Ion Ratio Lower Upper  
43 100  
70 48.8 45.0 67.4  
55 27.6 23.8 35.6  
61 27.5 22.1 33.1

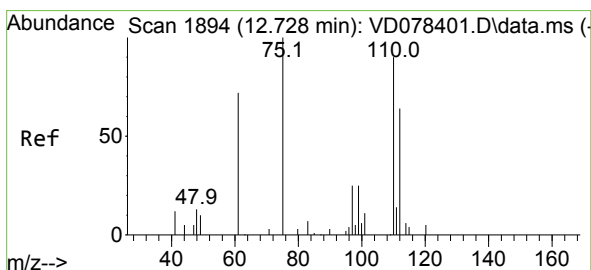
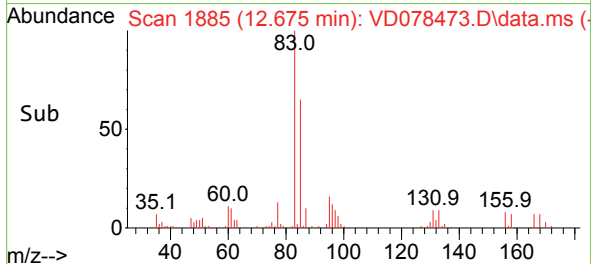
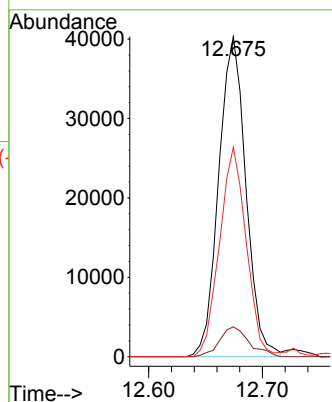
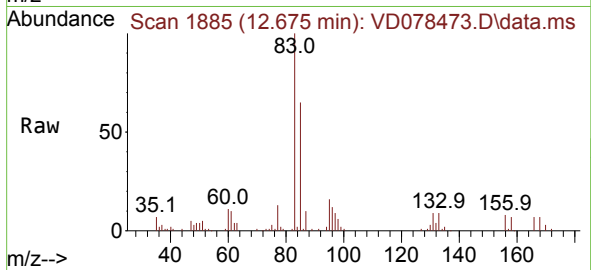




#75  
1,1,2,2-Tetrachloroethane  
Concen: 48.299 ug/l  
RT: 12.675 min Scan# 1885  
Delta R.T. -0.000 min  
Lab File: VD078473.D  
Acq: 20 Feb 2024 09:33

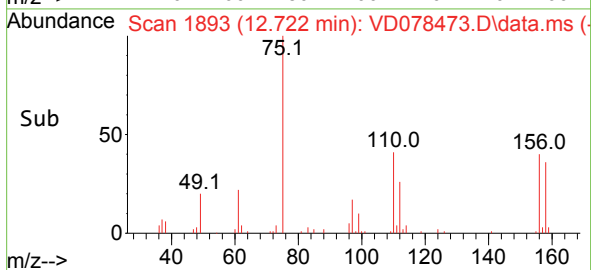
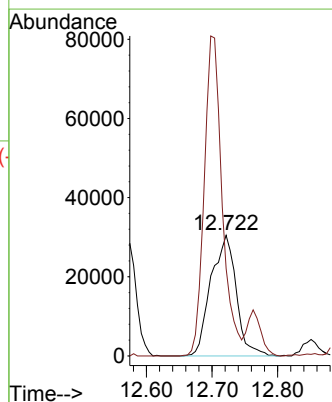
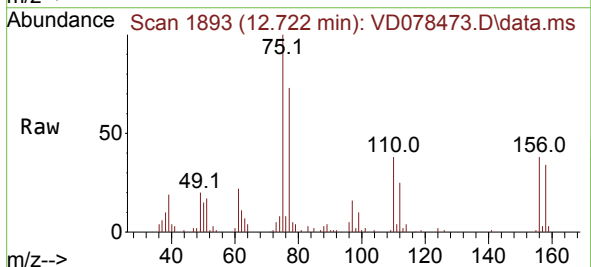
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

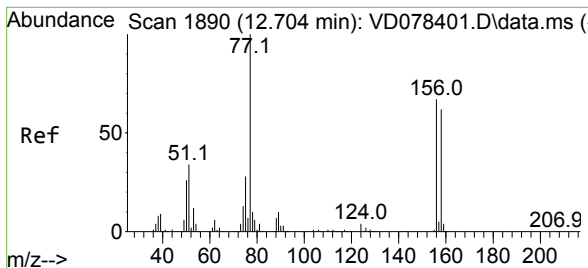
Tgt Ion: 83 Resp: 67013  
Ion Ratio Lower Upper  
83 100  
131 10.1 5.1 15.3  
85 64.0 32.6 97.8



#76  
1,2,3-Trichloropropane  
Concen: 92.449 ug/l  
RT: 12.722 min Scan# 1893  
Delta R.T. -0.006 min  
Lab File: VD078473.D  
Acq: 20 Feb 2024 09:33

Tgt Ion: 75 Resp: 81755  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 56.173 ug/l

RT: 12.698 min Scan# 1889

Delta R.T. -0.006 min

Lab File: VD078473.D

Acq: 20 Feb 2024 09:33

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

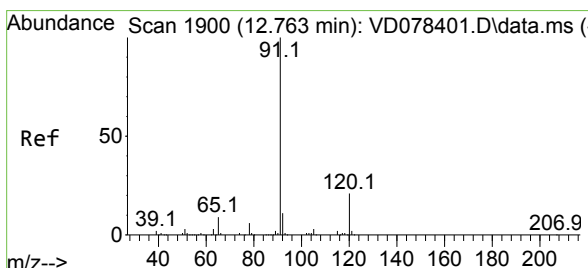
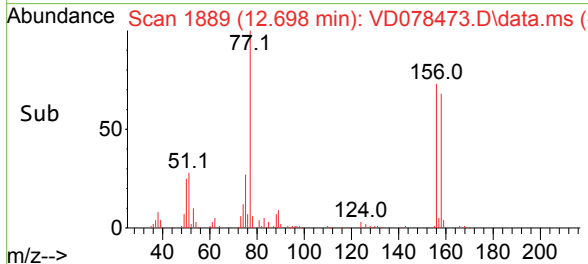
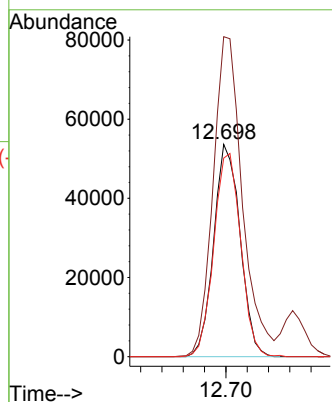
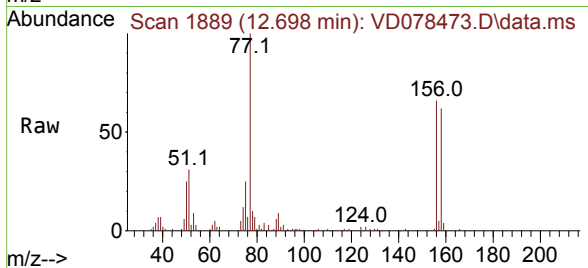
Tgt Ion:156 Resp: 92338

Ion Ratio Lower Upper

156 100

77 167.2 76.8 230.4

158 97.7 48.6 145.9



#78

n-propylbenzene

Concen: 56.626 ug/l

RT: 12.763 min Scan# 1900

Delta R.T. -0.000 min

Lab File: VD078473.D

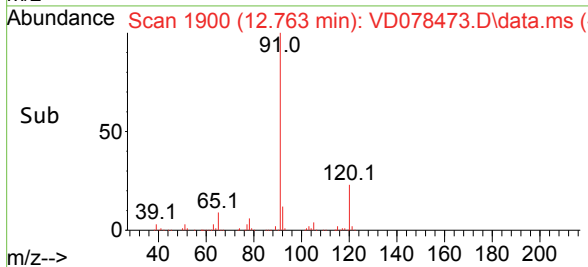
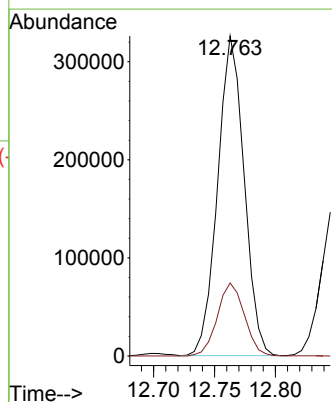
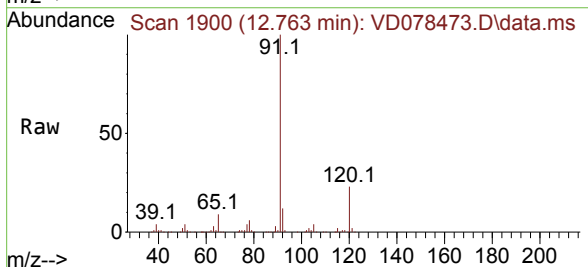
Acq: 20 Feb 2024 09:33

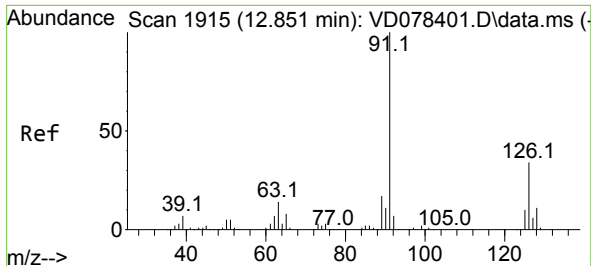
Tgt Ion: 91 Resp: 493575

Ion Ratio Lower Upper

91 100

120 23.3 12.4 37.2





#79

2-Chlorotoluene

Concen: 55.114 ug/l

RT: 12.851 min Scan# 1915

Delta R.T. -0.000 min

Lab File: VD078473.D

Acq: 20 Feb 2024 09:33

Instrument :

MSVOA\_D

ClientSampleId :

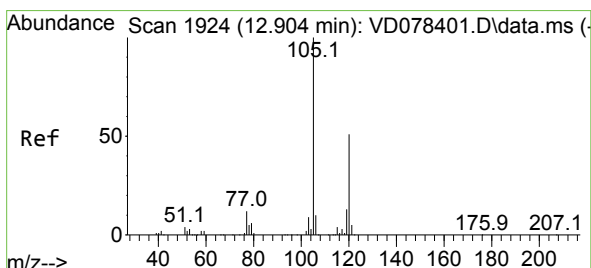
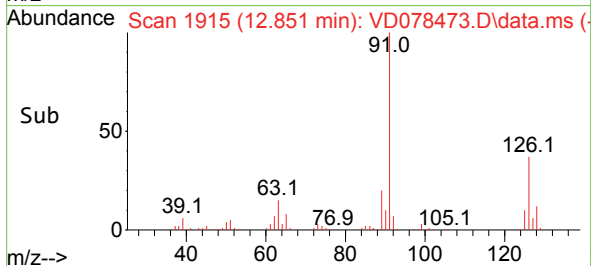
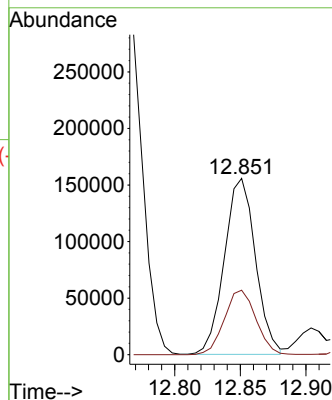
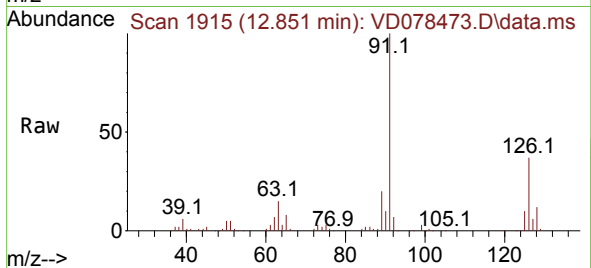
VSTDCCC050

Tgt Ion: 91 Resp: 257305

Ion Ratio Lower Upper

91 100

126 37.3 19.4 58.1



#80

1,3,5-Trimethylbenzene

Concen: 57.736 ug/l

RT: 12.904 min Scan# 1924

Delta R.T. -0.000 min

Lab File: VD078473.D

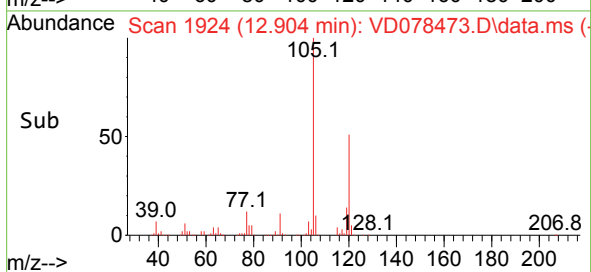
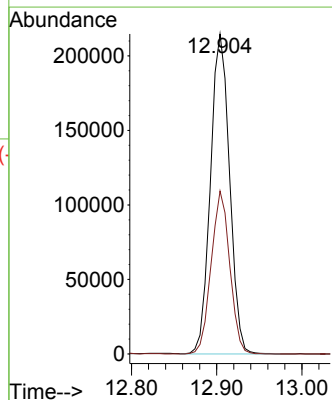
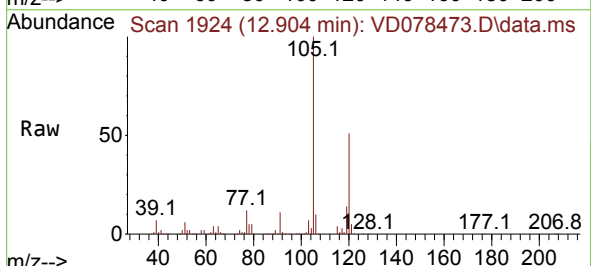
Acq: 20 Feb 2024 09:33

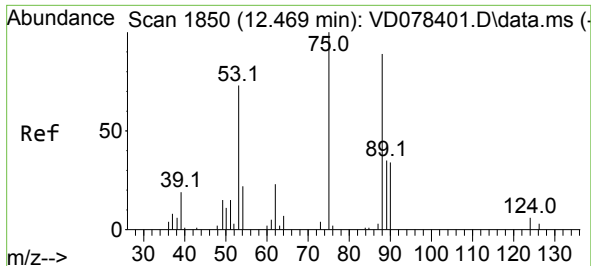
Tgt Ion: 105 Resp: 335329

Ion Ratio Lower Upper

105 100

120 49.6 26.4 79.2

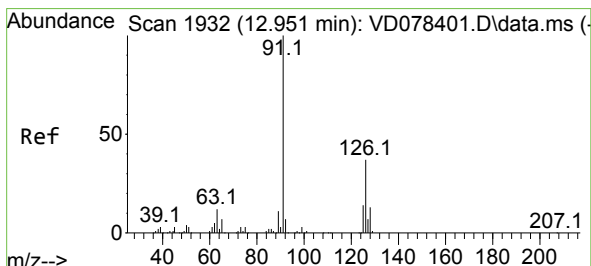
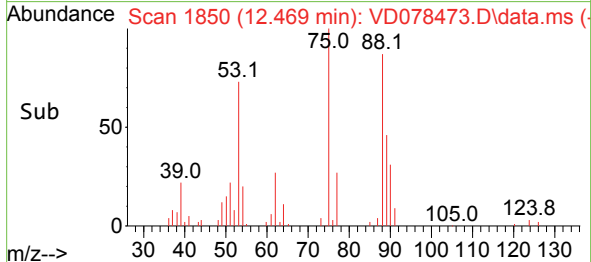
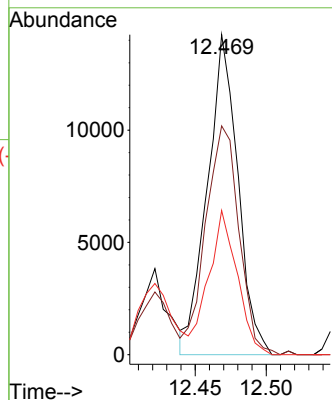
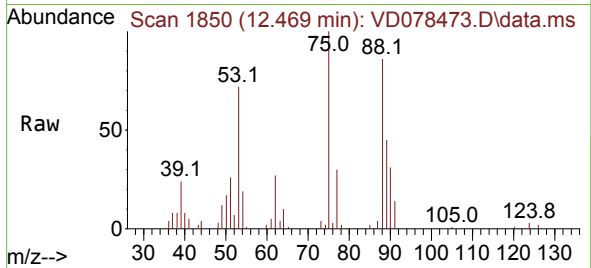




#81  
trans-1,4-Dichloro-2-butene  
Concen: 49.835 ug/l  
RT: 12.469 min Scan# 1850  
Delta R.T. -0.000 min  
Lab File: VD078473.D  
Acq: 20 Feb 2024 09:33

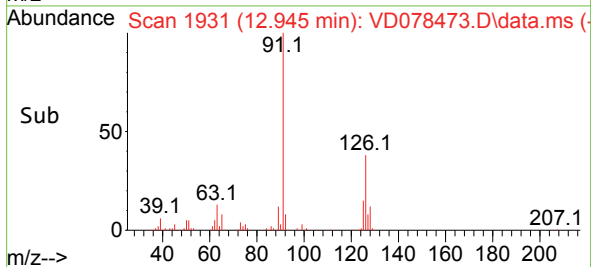
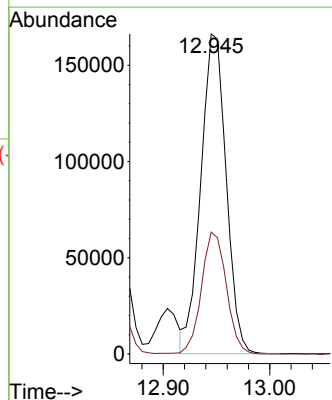
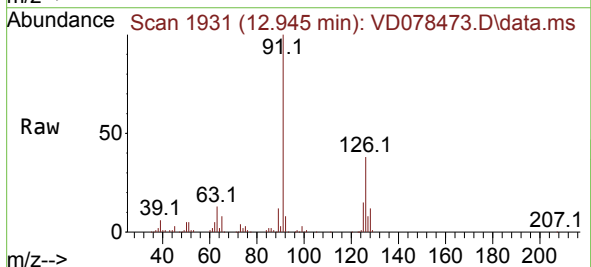
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

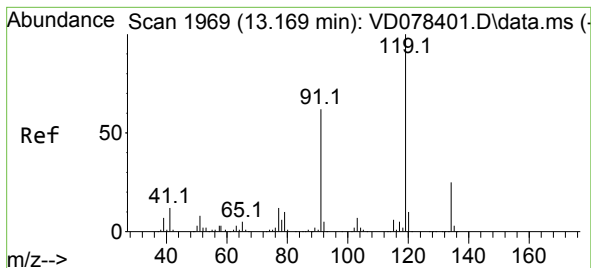
Tgt Ion: 75 Resp: 21228  
Ion Ratio Lower Upper  
75 100  
53 78.5 63.0 94.4  
89 42.5 37.9 56.9



#82  
4-Chlorotoluene  
Concen: 54.809 ug/l  
RT: 12.945 min Scan# 1931  
Delta R.T. -0.006 min  
Lab File: VD078473.D  
Acq: 20 Feb 2024 09:33

Tgt Ion: 91 Resp: 274818  
Ion Ratio Lower Upper  
91 100  
126 37.5 19.4 58.4





#83

tert-Butylbenzene

Concen: 58.645 ug/l

RT: 13.169 min Scan# 1969

Delta R.T. -0.000 min

Lab File: VD078473.D

Acq: 20 Feb 2024 09:33

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

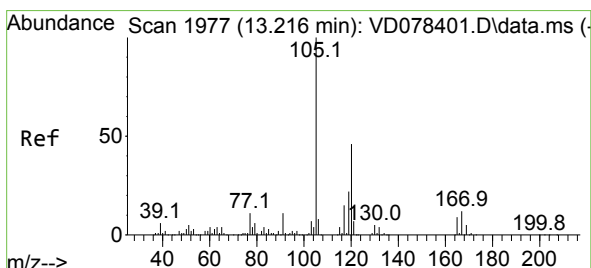
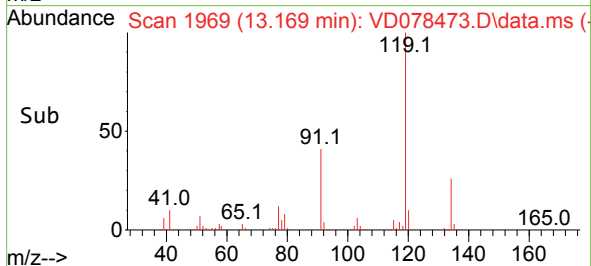
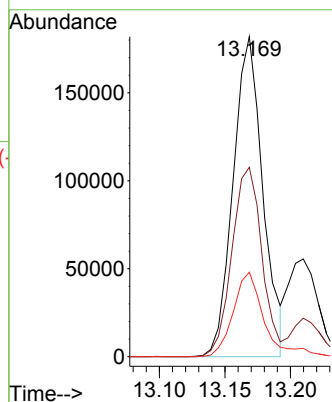
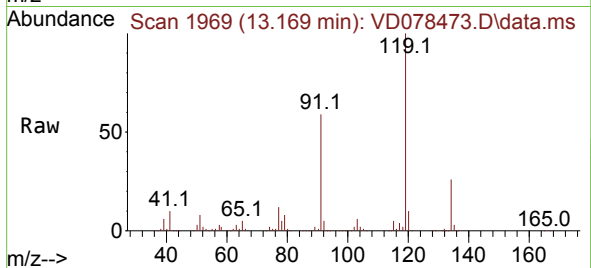
Tgt Ion:119 Resp: 287256

Ion Ratio Lower Upper

119 100

91 59.6 29.3 87.8

134 27.5 14.1 42.3



#84

1,2,4-Trimethylbenzene

Concen: 56.938 ug/l

RT: 13.210 min Scan# 1976

Delta R.T. -0.006 min

Lab File: VD078473.D

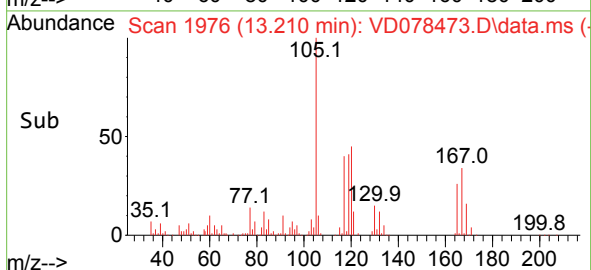
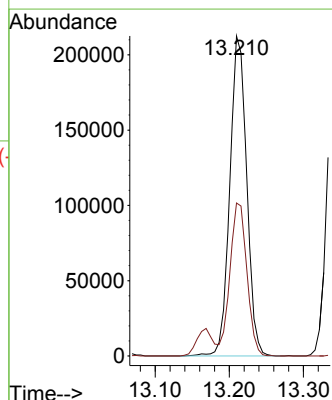
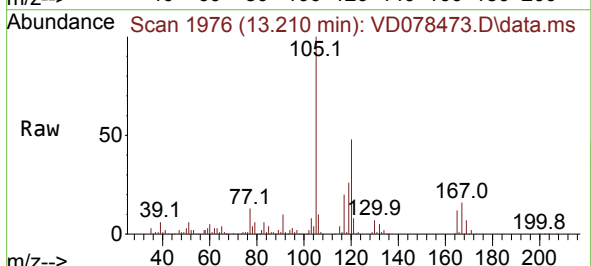
Acq: 20 Feb 2024 09:33

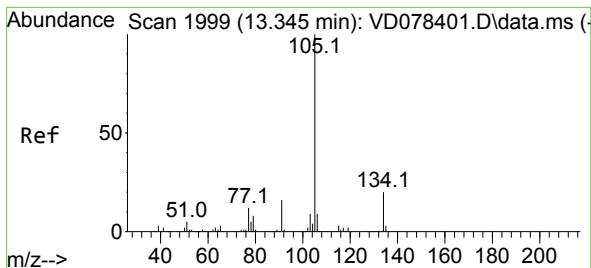
Tgt Ion:105 Resp: 335623

Ion Ratio Lower Upper

105 100

120 47.8 24.3 72.9





#85

sec-Butylbenzene

Concen: 56.518 ug/l

RT: 13.345 min Scan# 1999

Delta R.T. -0.000 min

Lab File: VD078473.D

Acq: 20 Feb 2024 09:33

Instrument :

MSVOA\_D

ClientSampleId :

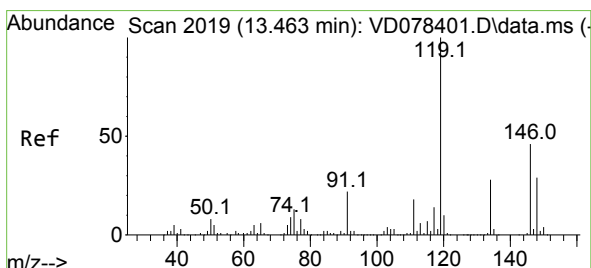
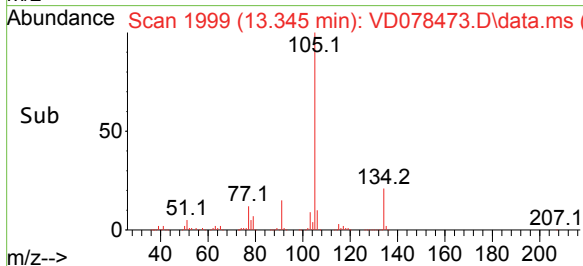
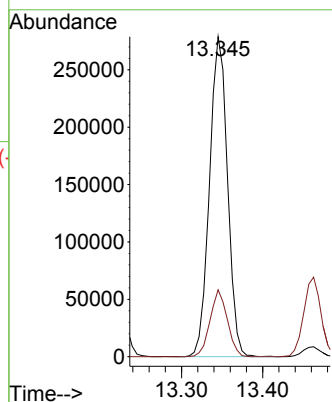
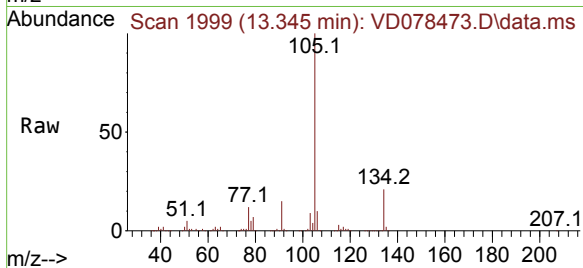
VSTDCCC050

Tgt Ion:105 Resp: 429330

Ion Ratio Lower Upper

105 100

134 20.0 10.9 32.9



#86

p-Isopropyltoluene

Concen: 59.850 ug/l

RT: 13.463 min Scan# 2019

Delta R.T. -0.000 min

Lab File: VD078473.D

Acq: 20 Feb 2024 09:33

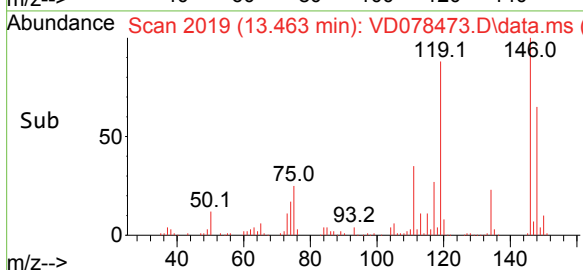
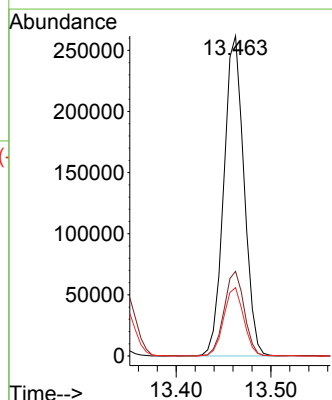
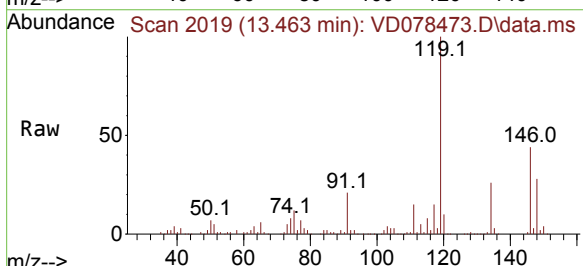
Tgt Ion:119 Resp: 387243

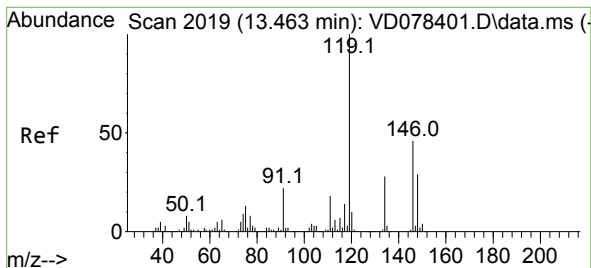
Ion Ratio Lower Upper

119 100

134 26.3 14.2 42.6

91 21.3 10.5 31.5





#87

1,3-Dichlorobenzene

Concen: 56.137 ug/l

RT: 13.457 min Scan# 2019

Delta R.T. -0.006 min

Lab File: VD078473.D

Acq: 20 Feb 2024 09:33

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

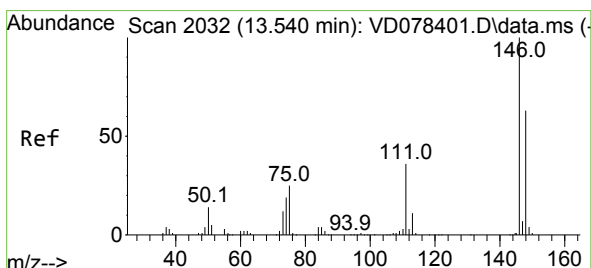
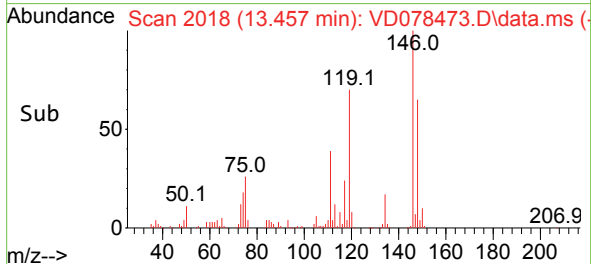
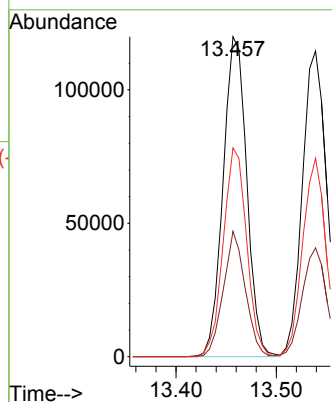
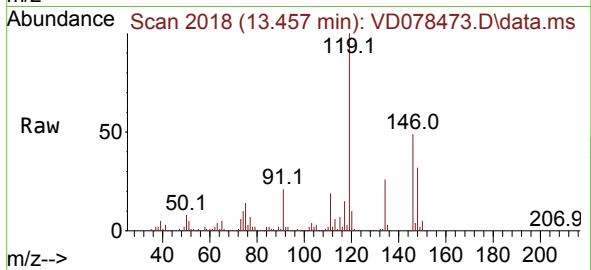
Tgt Ion:146 Resp: 196949

Ion Ratio Lower Upper

146 100

111 36.4 17.9 53.8

148 64.5 32.3 96.8



#88

1,4-Dichlorobenzene

Concen: 55.455 ug/l

RT: 13.539 min Scan# 2032

Delta R.T. -0.000 min

Lab File: VD078473.D

Acq: 20 Feb 2024 09:33

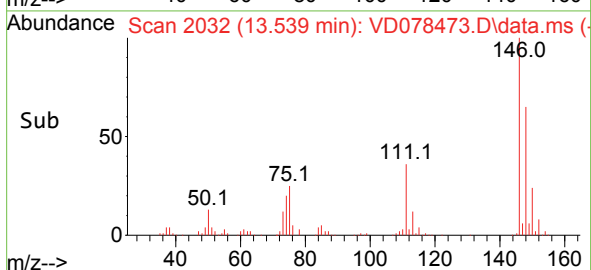
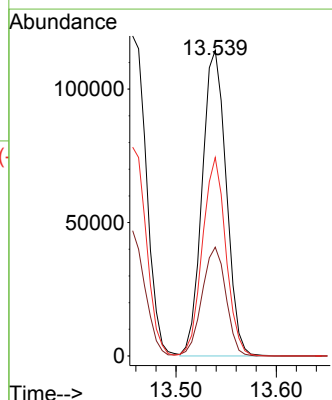
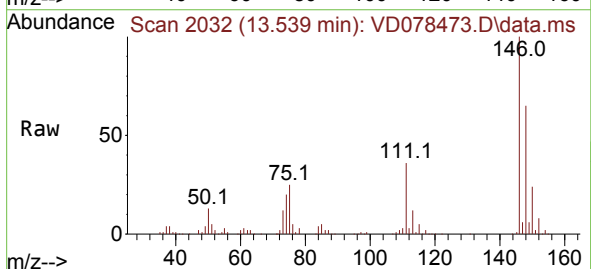
Tgt Ion:146 Resp: 191167

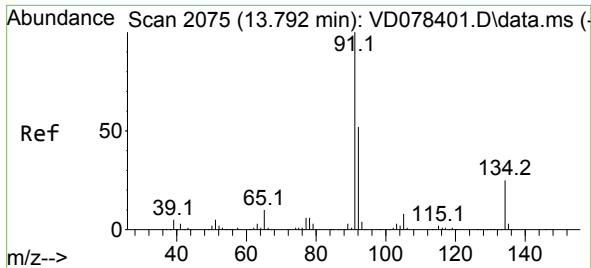
Ion Ratio Lower Upper

146 100

111 35.3 17.4 52.3

148 63.2 31.7 95.1

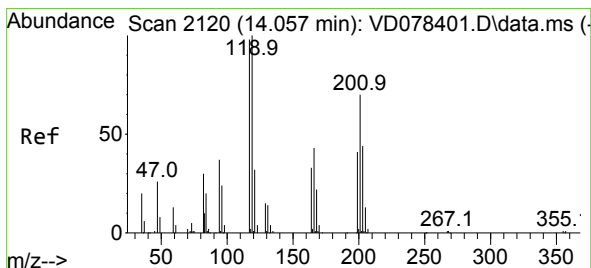
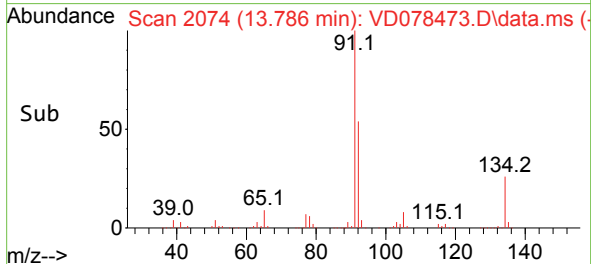
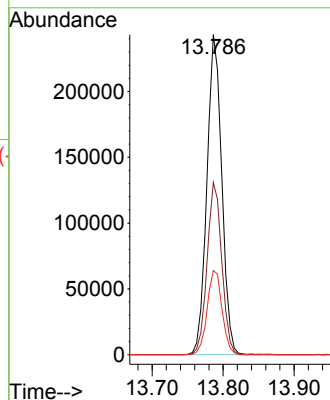
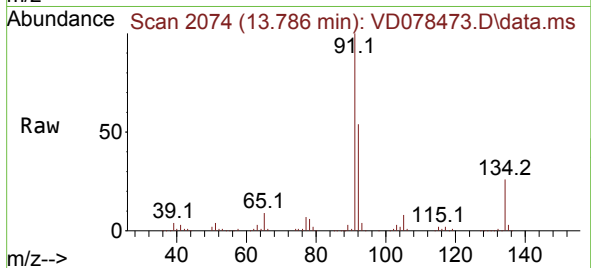




#89  
n-Butylbenzene  
Concen: 56.907 ug/l  
RT: 13.786 min Scan# 2074  
Delta R.T. -0.006 min  
Lab File: VD078473.D  
Acq: 20 Feb 2024 09:33

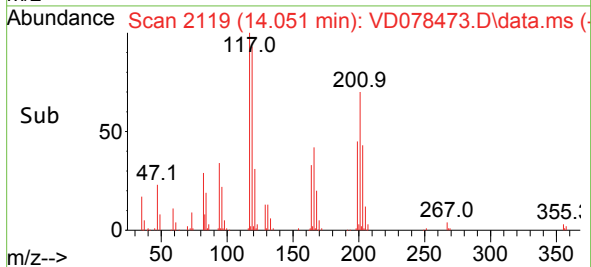
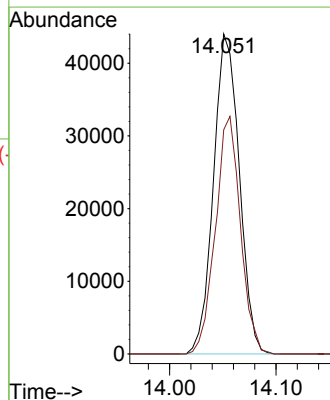
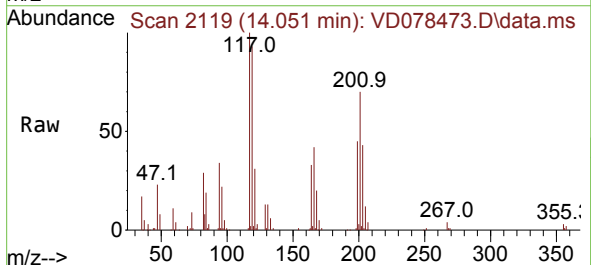
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

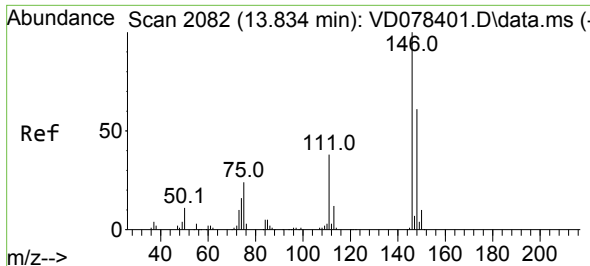
Tgt Ion: 91 Resp: 354891  
Ion Ratio Lower Upper  
91 100  
92 53.0 26.5 79.5  
134 26.3 13.8 41.3



#90  
Hexachloroethane  
Concen: 55.794 ug/l  
RT: 14.051 min Scan# 2119  
Delta R.T. -0.006 min  
Lab File: VD078473.D  
Acq: 20 Feb 2024 09:33

Tgt Ion: 117 Resp: 74196  
Ion Ratio Lower Upper  
117 100  
201 71.9 38.5 115.5





#91

1,2-Dichlorobenzene

Concen: 55.639 ug/l

RT: 13.833 min Scan# 2082

Delta R.T. -0.000 min

Lab File: VD078473.D

Acq: 20 Feb 2024 09:33

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

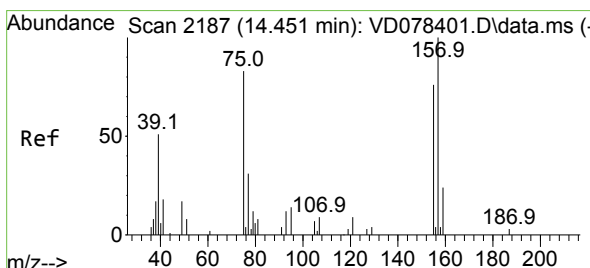
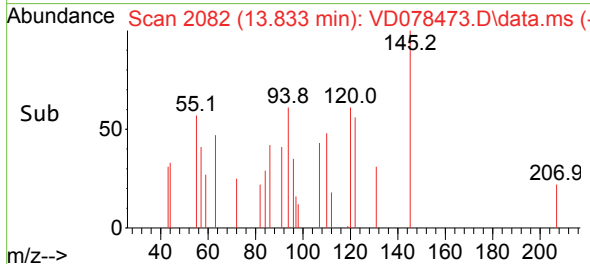
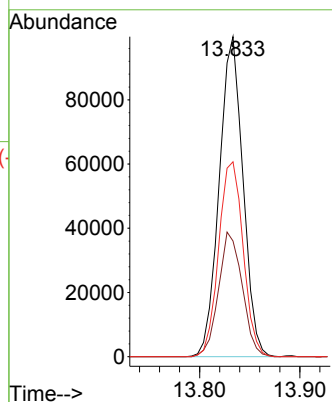
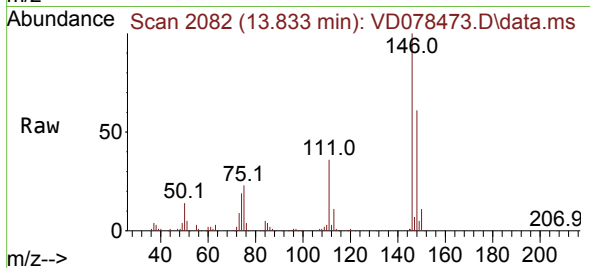
Tgt Ion:146 Resp: 163920

Ion Ratio Lower Upper

146 100

111 38.9 18.3 54.8

148 62.8 31.6 94.7



#92

1,2-Dibromo-3-Chloropropane

Concen: 46.759 ug/l

RT: 14.445 min Scan# 2186

Delta R.T. -0.006 min

Lab File: VD078473.D

Acq: 20 Feb 2024 09:33

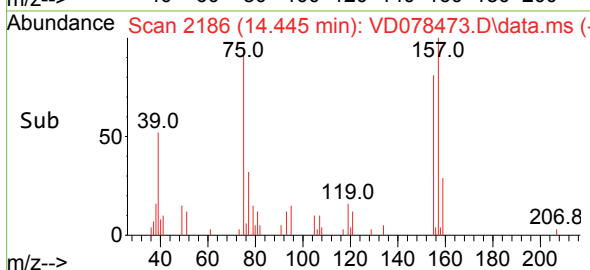
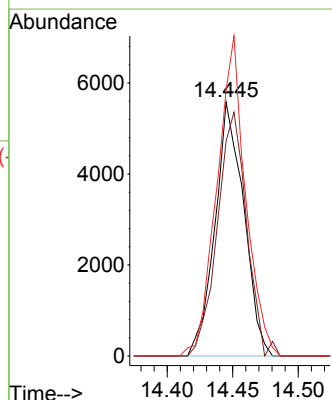
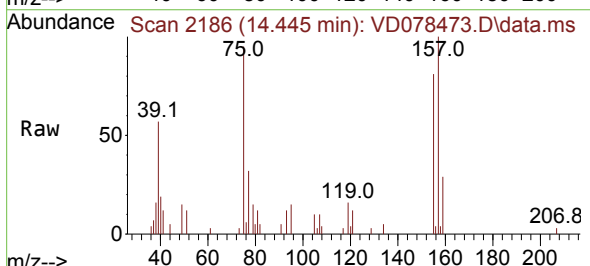
Tgt Ion: 75 Resp: 8495

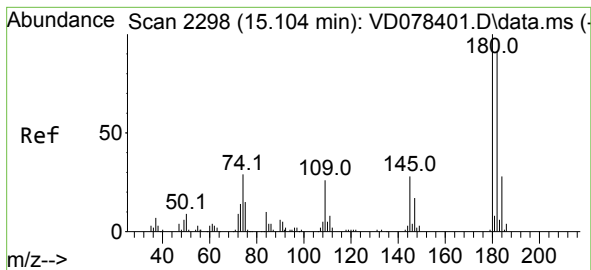
Ion Ratio Lower Upper

75 100

155 97.8 47.9 143.8

157 125.7 59.9 179.7





#93

1,2,4-Trichlorobenzene

Concen: 56.663 ug/l

RT: 15.098 min Scan# 21

Delta R.T. -0.006 min

Lab File: VD078473.D

Acq: 20 Feb 2024 09:33

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

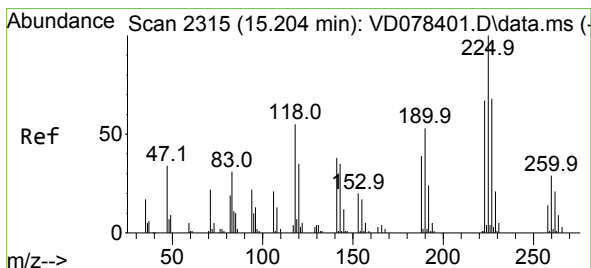
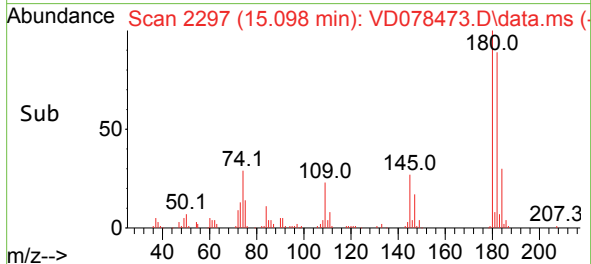
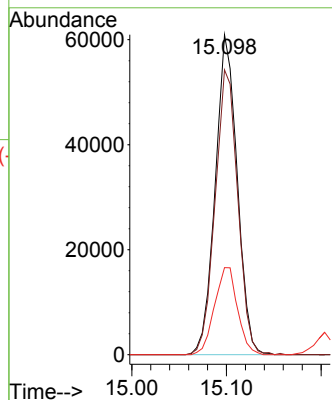
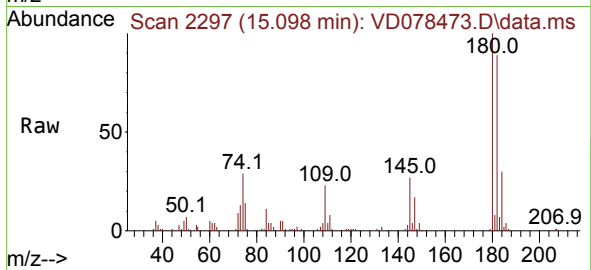
Tgt Ion:180 Resp: 98108

Ion Ratio Lower Upper

180 100

182 91.7 48.5 145.6

145 28.5 14.2 42.6



#94

Hexachlorobutadiene

Concen: 57.918 ug/l

RT: 15.204 min Scan# 2315

Delta R.T. -0.000 min

Lab File: VD078473.D

Acq: 20 Feb 2024 09:33

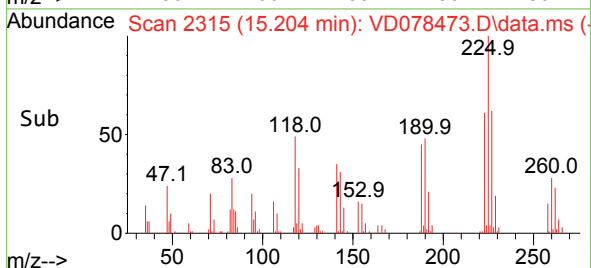
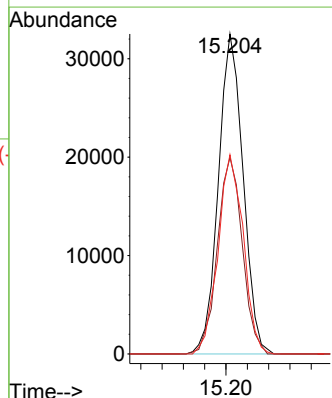
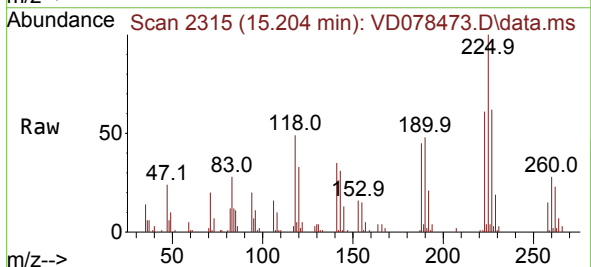
Tgt Ion:225 Resp: 52343

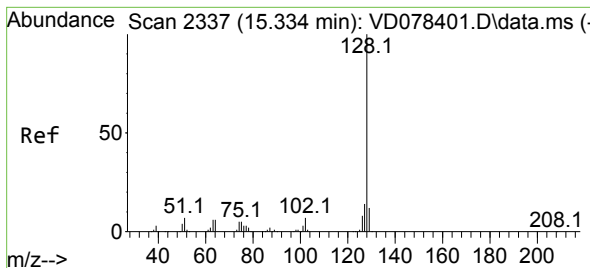
Ion Ratio Lower Upper

225 100

223 62.0 31.6 94.8

227 63.5 31.7 95.1





#95

Naphthalene

Concen: 51.350 ug/l

RT: 15.333 min Scan# 21

Delta R.T. -0.000 min

Lab File: VD078473.D

Acq: 20 Feb 2024 09:33

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

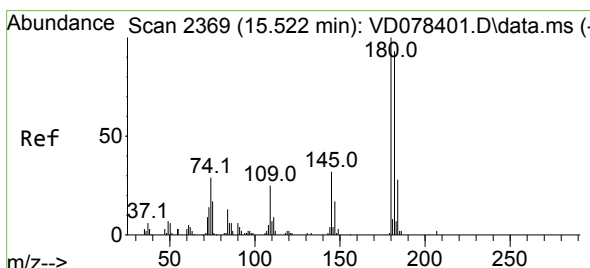
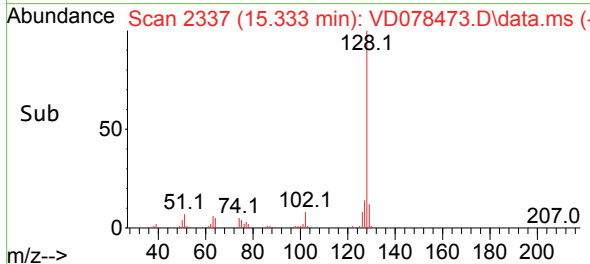
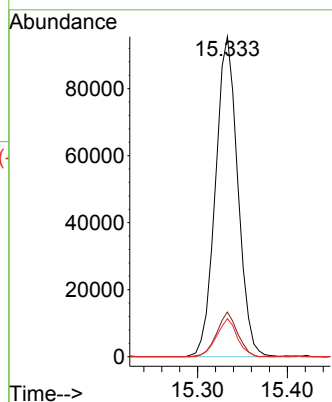
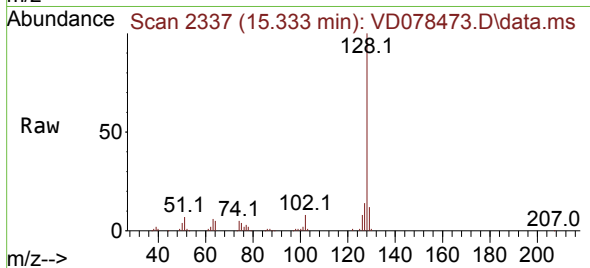
Tgt Ion:128 Resp: 164906

Ion Ratio Lower Upper

128 100

127 13.9 10.5 15.7

129 11.9 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 55.361 ug/l

RT: 15.521 min Scan# 2369

Delta R.T. -0.000 min

Lab File: VD078473.D

Acq: 20 Feb 2024 09:33

Tgt Ion:180 Resp: 81236

Ion Ratio Lower Upper

180 100

182 99.9 47.3 141.9

145 30.5 15.1 45.3

