

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD021324\  
 Data File : VD078401.D  
 Acq On : 13 Feb 2024 13:30  
 Operator : RP/MD  
 Sample : VSTDICCC050  
 Misc : 5.00G/5ml/MSVOA\_D/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDICCC050

Quant Time: Feb 14 00:50:16 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D021324S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 14 00:36:44 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.881  | 168  | 167167   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.781  | 114  | 290231   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.587 | 117  | 270342   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.522 | 152  | 136108   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.234  | 65    | 80938    | 44.779   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 89.560% |
| 35) Dibromofluoromethane    | 7.810  | 113   | 84431    | 45.797   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 91.600% |
| 50) Toluene-d8              | 10.269 | 98    | 336540   | 45.633   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 91.260% |
| 62) 4-Bromofluorobenzene    | 12.575 | 95    | 95752    | 44.616   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 89.240% |

|                              |       |     |        |         |        |     |
|------------------------------|-------|-----|--------|---------|--------|-----|
| Target Compounds             |       |     |        |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.940 | 85  | 84356  | 51.216  | ug/l   | 100 |
| 3) Chloromethane             | 2.158 | 50  | 144792 | 47.835  | ug/l   | 99  |
| 4) Vinyl Chloride            | 2.287 | 62  | 217075 | 46.997  | ug/l   | 98  |
| 5) Bromomethane              | 2.693 | 94  | 143145 | 44.898  | ug/l   | 100 |
| 6) Chloroethane              | 2.840 | 64  | 152054 | 45.146  | ug/l   | 100 |
| 7) Trichlorofluoromethane    | 3.175 | 101 | 147454 | 47.325  | ug/l   | 96  |
| 8) Diethyl Ether             | 3.599 | 74  | 38991  | 43.446  | ug/l   | 87  |
| 9) 1,1,2-Trichlorotrifluo... | 3.969 | 101 | 91559  | 46.580  | ug/l   | 96  |
| 10) Methyl Iodide            | 4.169 | 142 | 85087  | 48.331  | ug/l   | 91  |
| 11) Tert butyl alcohol       | 5.052 | 59  | 20858  | 212.058 | ug/l # | 93  |
| 12) 1,1-Dichloroethene       | 3.952 | 96  | 85590  | 46.967  | ug/l   | 93  |
| 13) Acrolein                 | 3.799 | 56  | 32072  | 192.070 | ug/l   | 94  |
| 14) Allyl chloride           | 4.569 | 41  | 103738 | 46.080  | ug/l   | 91  |
| 15) Acrylonitrile            | 5.258 | 53  | 86602  | 225.418 | ug/l   | 99  |
| 16) Acetone                  | 4.034 | 43  | 84801  | 242.887 | ug/l # | 83  |
| 17) Carbon Disulfide         | 4.275 | 76  | 280050 | 45.670  | ug/l   | 96  |
| 18) Methyl Acetate           | 4.575 | 43  | 68622  | 52.215  | ug/l   | 91  |
| 19) Methyl tert-butyl Ether  | 5.322 | 73  | 175005 | 45.200  | ug/l   | 99  |
| 20) Methylene Chloride       | 4.805 | 84  | 100824 | 49.192  | ug/l   | 91  |
| 21) trans-1,2-Dichloroethene | 5.316 | 96  | 99666  | 46.490  | ug/l   | 93  |
| 22) Diisopropyl ether        | 6.222 | 45  | 232525 | 46.862  | ug/l   | 95  |
| 23) Vinyl Acetate            | 6.163 | 43  | 441836 | 204.566 | ug/l # | 91  |
| 24) 1,1-Dichloroethane       | 6.116 | 63  | 163064 | 46.390  | ug/l   | 97  |
| 25) 2-Butanone               | 7.087 | 43  | 107060 | 232.851 | ug/l # | 87  |
| 26) 2,2-Dichloropropane      | 7.081 | 77  | 140342 | 47.627  | ug/l   | 94  |
| 27) cis-1,2-Dichloroethene   | 7.081 | 96  | 108501 | 46.130  | ug/l   | 93  |
| 28) Bromochloromethane       | 7.428 | 49  | 69136  | 49.658  | ug/l   | 81  |
| 29) Tetrahydrofuran          | 7.452 | 42  | 60263  | 224.191 | ug/l   | 91  |
| 30) Chloroform               | 7.599 | 83  | 172267 | 46.320  | ug/l   | 97  |
| 31) Cyclohexane              | 7.881 | 56  | 142699 | 46.671  | ug/l   | 91  |
| 32) 1,1,1-Trichloroethane    | 7.799 | 97  | 147364 | 46.474  | ug/l   | 98  |
| 36) 1,1-Dichloropropene      | 8.010 | 75  | 133855 | 46.737  | ug/l   | 96  |
| 37) Ethyl Acetate            | 7.169 | 43  | 42084  | 41.918  | ug/l   | 98  |
| 38) Carbon Tetrachloride     | 7.999 | 117 | 134130 | 47.291  | ug/l   | 97  |
| 39) Methylcyclohexane        | 9.275 | 83  | 167711 | 49.326  | ug/l   | 94  |
| 40) Benzene                  | 8.252 | 78  | 388506 | 46.931  | ug/l   | 99  |

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 Sample : VSTDICCC050  
 Misc : 5.00G/5ml/MSVOA\_D/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDICCC050

Quant Time: Feb 14 00:50:16 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D021324S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 14 00:36:44 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.405  | 41   | 24291    | 46.490  | ug/l # | 88       |
| 42) 1,2-Dichloroethane        | 8.328  | 62   | 94489    | 44.113  | ug/l   | 96       |
| 43) Isopropyl Acetate         | 8.363  | 43   | 84912    | 45.674  | ug/l   | 95       |
| 44) Trichloroethene           | 9.034  | 130  | 98659    | 46.715  | ug/l   | 95       |
| 45) 1,2-Dichloropropane       | 9.304  | 63   | 92317    | 45.452  | ug/l   | 91       |
| 46) Dibromomethane            | 9.399  | 93   | 51468    | 45.051  | ug/l   | 90       |
| 47) Bromodichloromethane      | 9.587  | 83   | 131796   | 46.577  | ug/l # | 99       |
| 48) Methyl methacrylate       | 9.381  | 41   | 49774    | 50.465  | ug/l # | 79       |
| 49) 1,4-Dioxane               | 9.393  | 88   | 10820    | 874.552 | ug/l # | 84       |
| 51) 4-Methyl-2-Pentanone      | 10.163 | 43   | 221659   | 224.645 | ug/l   | 93       |
| 52) Toluene                   | 10.334 | 92   | 247462   | 47.271  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.551 | 75   | 120577   | 46.700  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 10.016 | 75   | 144098   | 46.026  | ug/l # | 92       |
| 55) 1,1,2-Trichloroethane     | 10.734 | 97   | 69478    | 45.160  | ug/l   | 94       |
| 56) Ethyl methacrylate        | 10.598 | 69   | 56107    | 39.432  | ug/l # | 85       |
| 57) 1,3-Dichloropropane       | 10.881 | 76   | 117133   | 44.757  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.869  | 63   | 212451   | 253.478 | ug/l   | 95       |
| 59) 2-Hexanone                | 10.922 | 43   | 160467   | 216.402 | ug/l   | 90       |
| 60) Dibromochloromethane      | 11.075 | 129  | 84482    | 45.639  | ug/l   | 96       |
| 61) 1,2-Dibromoethane         | 11.181 | 107  | 66899    | 46.318  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.810 | 164  | 79763    | 46.712  | ug/l   | 91       |
| 65) Chlorobenzene             | 11.610 | 112  | 251706   | 46.313  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.687 | 131  | 91712    | 45.918  | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.687 | 91   | 470862   | 48.353  | ug/l   | 96       |
| 68) m/p-Xylenes               | 11.793 | 106  | 375906   | 98.962  | ug/l   | 94       |
| 69) o-Xylene                  | 12.122 | 106  | 167283   | 48.259  | ug/l   | 94       |
| 70) Styrene                   | 12.140 | 104  | 256172   | 45.282  | ug/l   | 97       |
| 71) Bromoform                 | 12.298 | 173  | 46235    | 43.980  | ug/l # | 100      |
| 73) Isopropylbenzene          | 12.422 | 105  | 449116   | 49.140  | ug/l   | 96       |
| 74) N-amyl acetate            | 12.234 | 43   | 74987    | 43.369  | ug/l   | 93       |
| 75) 1,1,2,2-Tetrachloroethane | 12.675 | 83   | 78548    | 43.326  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.728 | 75   | 94792    | 81.821  | ug/l # | 100      |
| 77) Bromobenzene              | 12.704 | 156  | 100387   | 46.737  | ug/l   | 89       |
| 78) n-propylbenzene           | 12.763 | 91   | 553555   | 48.602  | ug/l   | 95       |
| 79) 2-Chlorotoluene           | 12.851 | 91   | 288992   | 47.374  | ug/l   | 95       |
| 80) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 370796   | 48.859  | ug/l   | 96       |
| 81) trans-1,4-Dichloro-2-b... | 12.469 | 75   | 24957    | 44.838  | ug/l   | 97       |
| 82) 4-Chlorotoluene           | 12.951 | 91   | 310254   | 47.354  | ug/l   | 95       |
| 83) tert-Butylbenzene         | 13.169 | 119  | 316270   | 49.415  | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene    | 13.216 | 105  | 382182   | 49.620  | ug/l   | 96       |
| 85) sec-Butylbenzene          | 13.345 | 105  | 477546   | 48.111  | ug/l   | 96       |
| 86) p-Isopropyltoluene        | 13.463 | 119  | 428025   | 50.628  | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene       | 13.463 | 146  | 217193   | 47.378  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.540 | 146  | 209576   | 46.527  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.792 | 91   | 410812   | 50.414  | ug/l   | 97       |
| 90) Hexachloroethane          | 14.057 | 117  | 80674    | 46.427  | ug/l   | 93       |
| 91) 1,2-Dichlorobenzene       | 13.834 | 146  | 178788   | 46.443  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.451 | 75   | 10581    | 44.573  | ug/l   | 97       |
| 93) 1,2,4-Trichlorobenzene    | 15.104 | 180  | 108712   | 48.051  | ug/l   | 96       |
| 94) Hexachlorobutadiene       | 15.204 | 225  | 57407    | 48.613  | ug/l   | 98       |
| 95) Naphthalene               | 15.334 | 128  | 194827   | 46.429  | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene    | 15.522 | 180  | 91961    | 47.961  | ug/l   | 99       |

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Sample : VSTDICCC050  
Misc : 5.00G/5ml/MSVOA\_D/SOIL  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICCC050

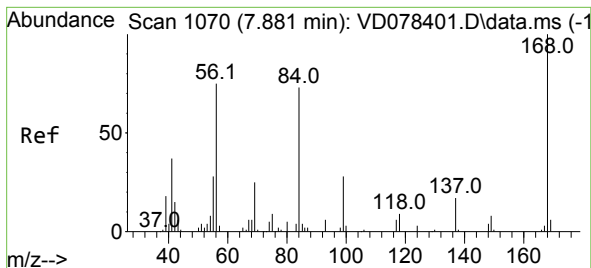
Quant Time: Feb 14 00:50:16 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D021324S.M  
Quant Title : SW846 8260  
QLast Update : Wed Feb 14 00:36:44 2024  
Response via : Initial Calibration

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

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D021324S.M  
Quant Title : SW846 8260  
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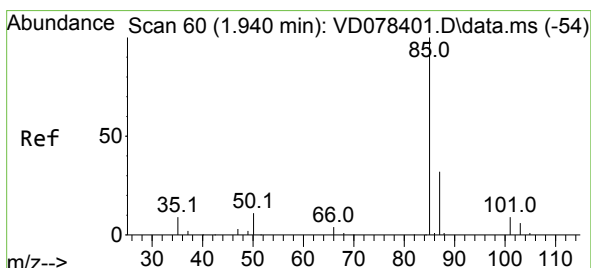
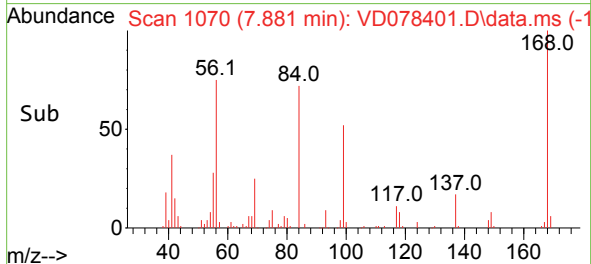
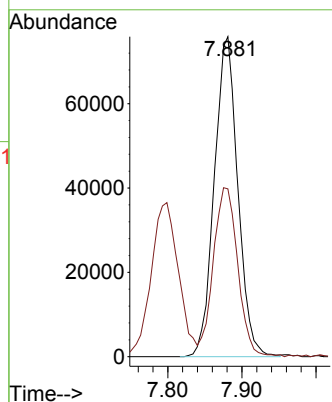
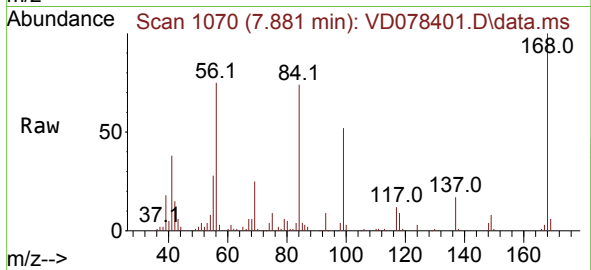




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.881 min Scan# 1070  
Delta R.T. -0.000 min  
Lab File: VD078401.D  
Acq: 13 Feb 2024 13:30

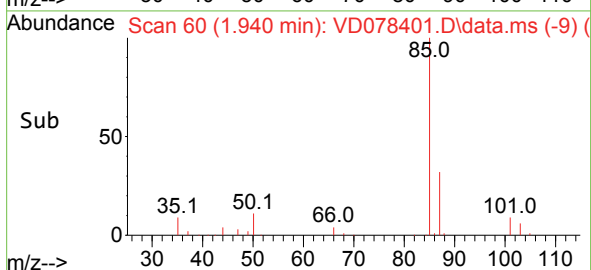
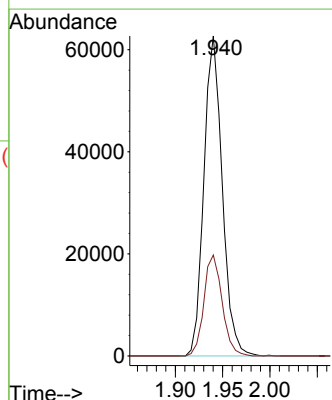
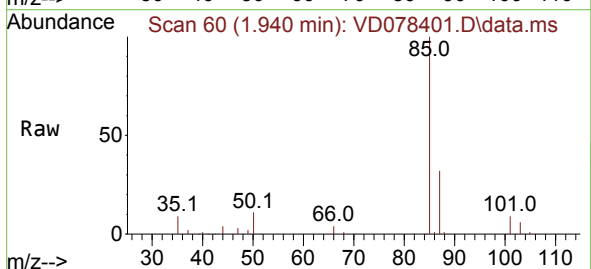
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICCC050

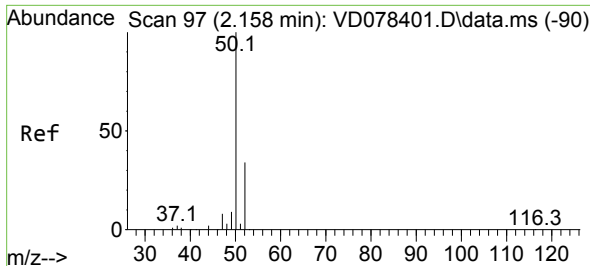
Tgt Ion:168 Resp: 167167  
Ion Ratio Lower Upper  
168 100  
99 51.9 36.7 55.1



#2  
Dichlorodifluoromethane  
Concen: 51.216 ug/l  
RT: 1.940 min Scan# 60  
Delta R.T. 0.000 min  
Lab File: VD078401.D  
Acq: 13 Feb 2024 13:30

Tgt Ion: 85 Resp: 84356  
Ion Ratio Lower Upper  
85 100  
87 31.6 15.7 47.0

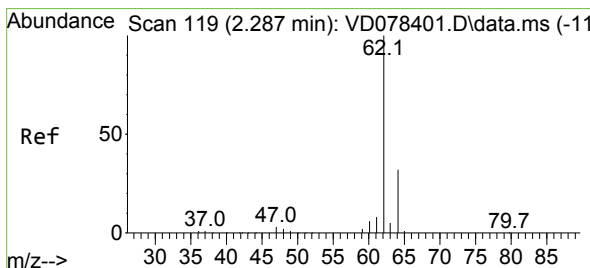
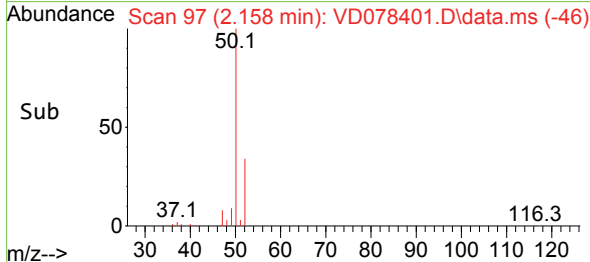
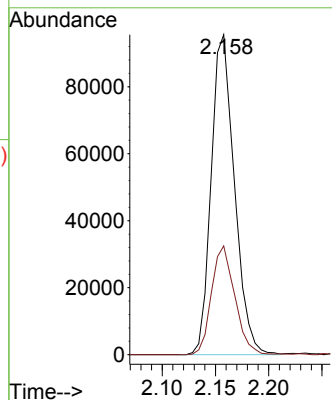
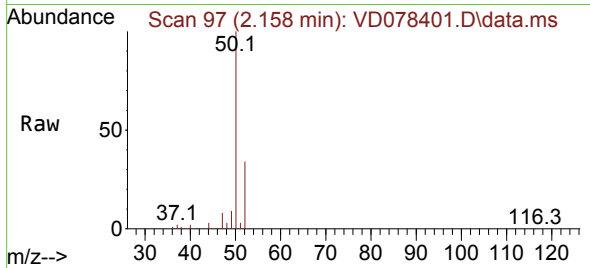




#3  
Chloromethane  
Concen: 47.835 ug/l  
RT: 2.158 min Scan# 97  
Delta R.T. 0.000 min  
Lab File: VD078401.D  
Acq: 13 Feb 2024 13:30

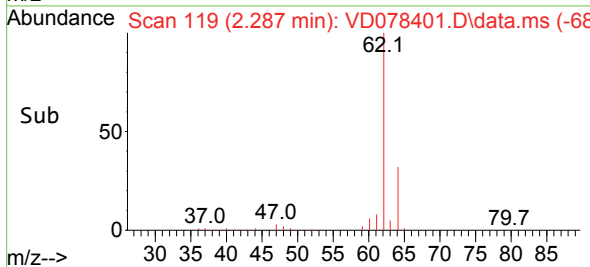
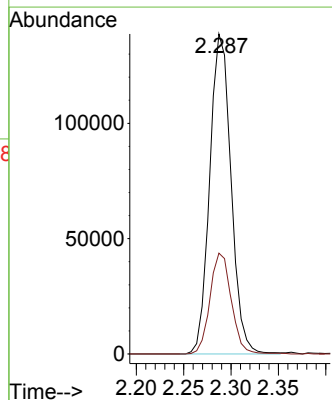
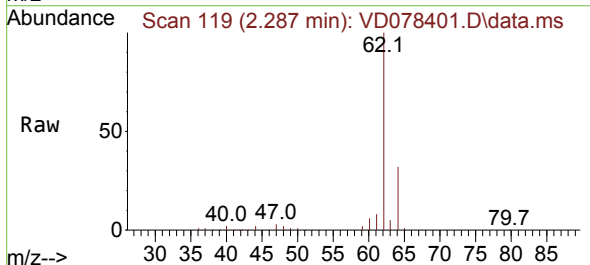
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICCC050

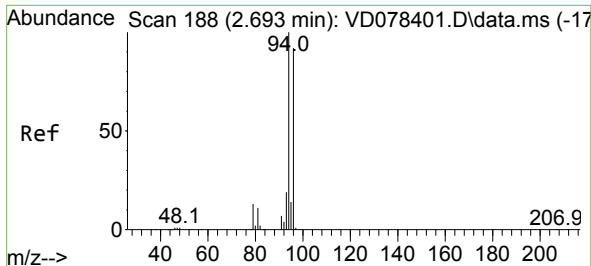
Tgt Ion: 50 Resp: 144792  
Ion Ratio Lower Upper  
50 100  
52 34.0 26.6 40.0



#4  
Vinyl Chloride  
Concen: 46.997 ug/l  
RT: 2.287 min Scan# 119  
Delta R.T. 0.000 min  
Lab File: VD078401.D  
Acq: 13 Feb 2024 13:30

Tgt Ion: 62 Resp: 217075  
Ion Ratio Lower Upper  
62 100  
64 31.5 26.0 39.0

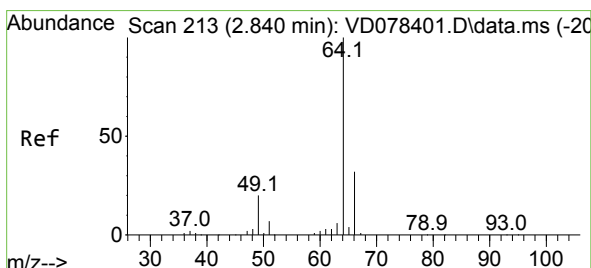
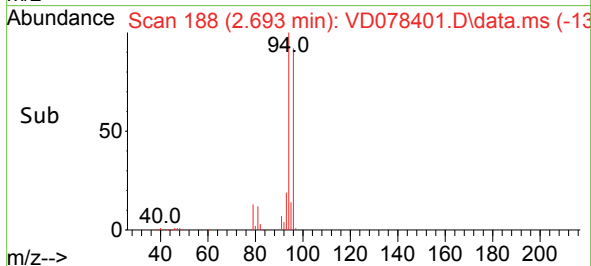
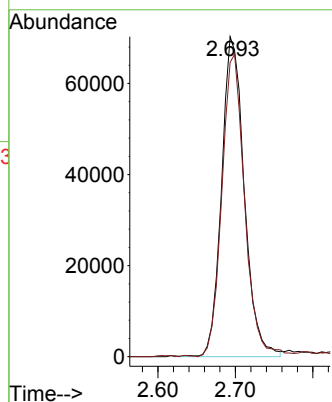
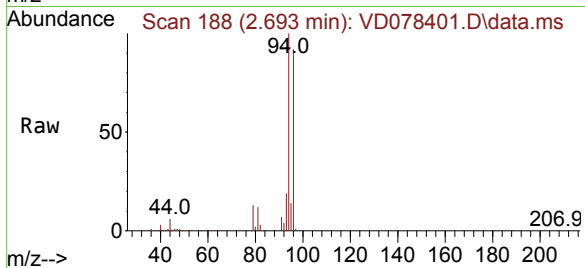




#5  
Bromomethane  
Concen: 44.898 ug/l  
RT: 2.693 min Scan# 188  
Delta R.T. 0.000 min  
Lab File: VD078401.D  
Acq: 13 Feb 2024 13:30

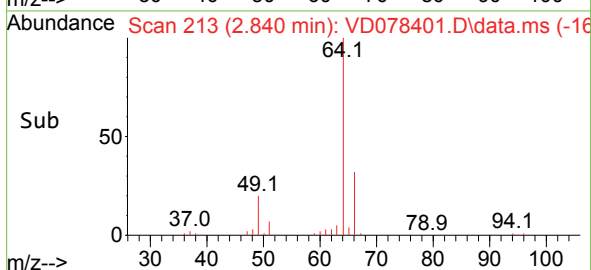
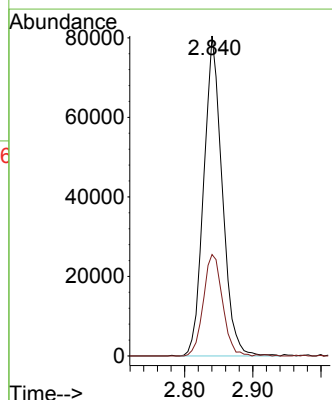
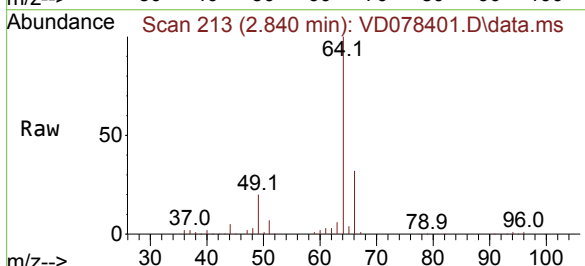
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICCC050

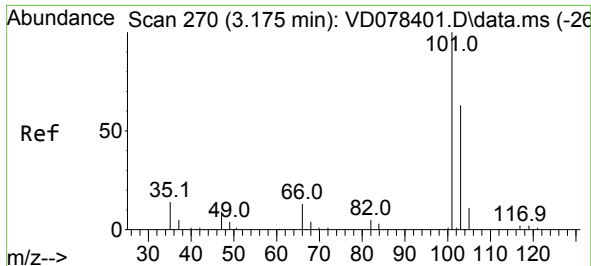
Tgt Ion: 94 Resp: 143145  
Ion Ratio Lower Upper  
94 100  
96 94.8 75.8 113.8



#6  
Chloroethane  
Concen: 45.146 ug/l  
RT: 2.840 min Scan# 213  
Delta R.T. 0.000 min  
Lab File: VD078401.D  
Acq: 13 Feb 2024 13:30

Tgt Ion: 64 Resp: 152054  
Ion Ratio Lower Upper  
64 100  
66 31.7 25.5 38.3

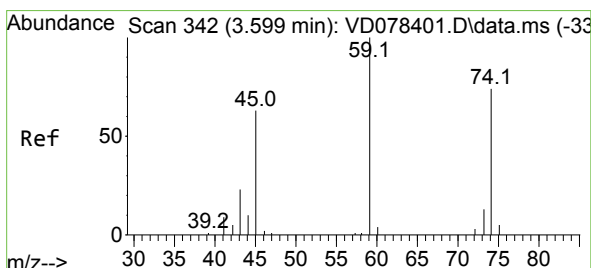
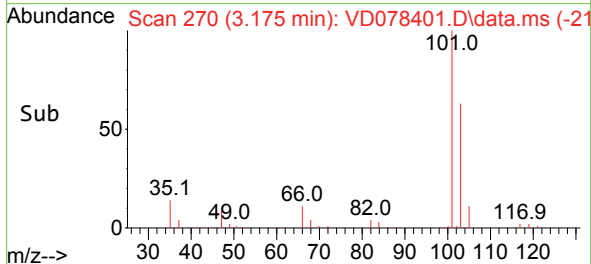
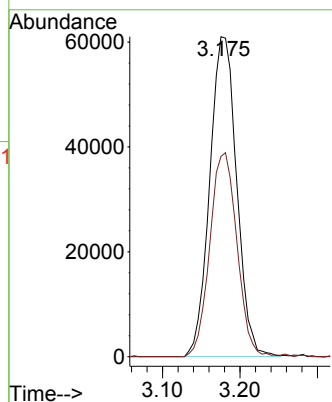
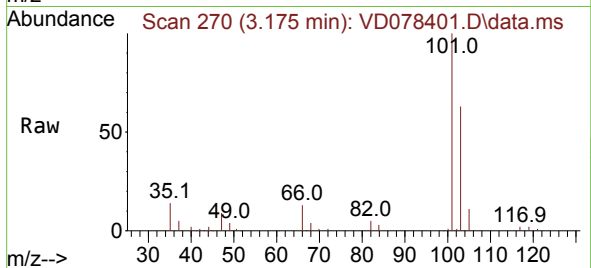




#7  
 Trichlorofluoromethane  
 Concen: 47.325 ug/l  
 RT: 3.175 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: VD078401.D  
 Acq: 13 Feb 2024 13:30

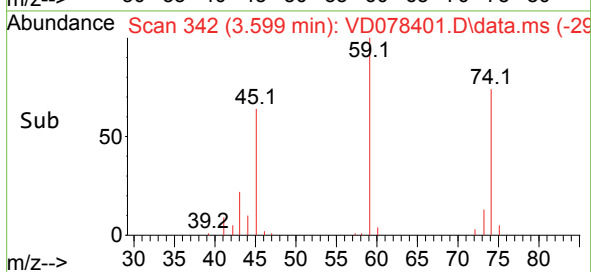
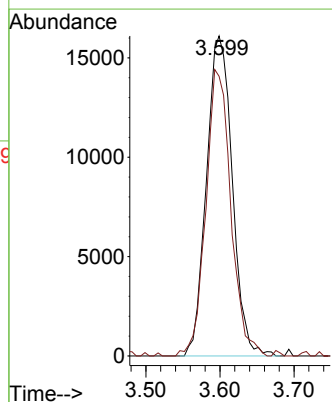
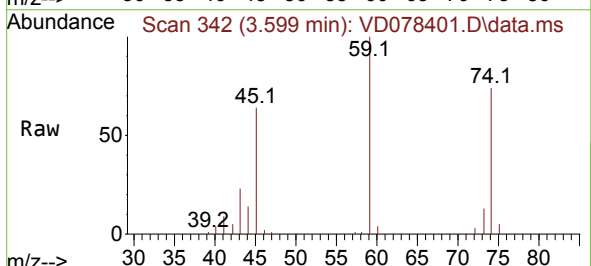
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDICCC050

Tgt Ion:101 Resp: 147454  
 Ion Ratio Lower Upper  
 101 100  
 103 62.6 52.3 78.5



#8  
 Diethyl Ether  
 Concen: 43.446 ug/l  
 RT: 3.599 min Scan# 342  
 Delta R.T. 0.000 min  
 Lab File: VD078401.D  
 Acq: 13 Feb 2024 13:30

Tgt Ion: 74 Resp: 38991  
 Ion Ratio Lower Upper  
 74 100  
 45 86.5 37.5 112.7

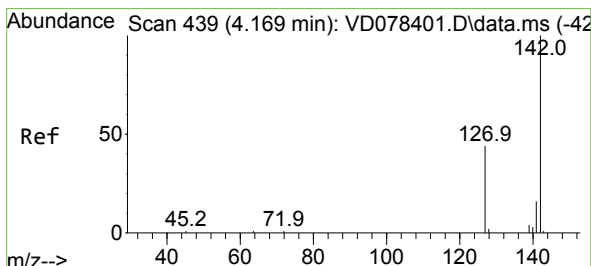
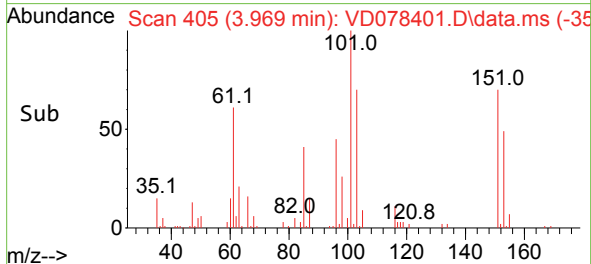
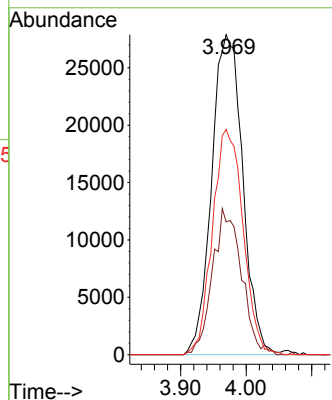
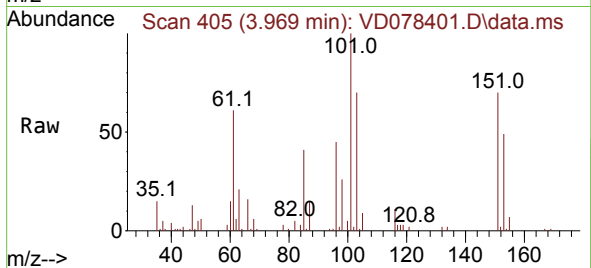




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 46.580 ug/l  
RT: 3.969 min Scan# 405  
Delta R.T. 0.000 min  
Lab File: VD078401.D  
Acq: 13 Feb 2024 13:30

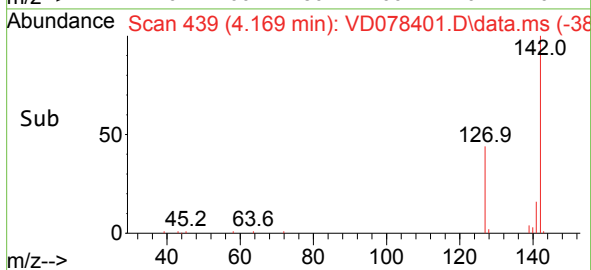
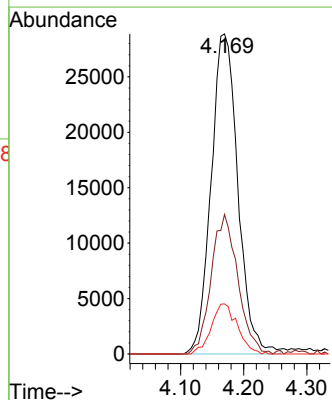
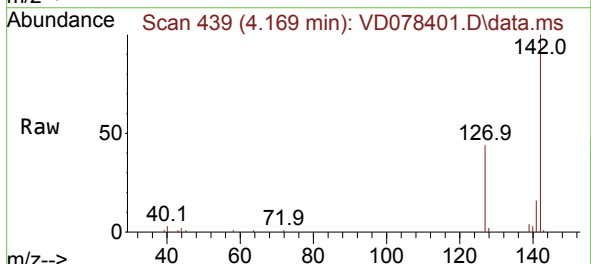
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICCC050

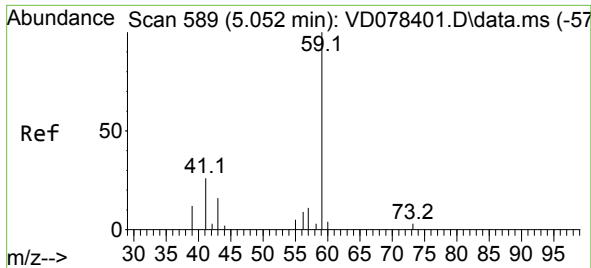
Tgt Ion:101 Resp: 91559  
Ion Ratio Lower Upper  
101 100  
85 42.7 33.8 50.6  
151 69.5 59.8 89.6



#10  
Methyl Iodide  
Concen: 48.331 ug/l  
RT: 4.169 min Scan# 439  
Delta R.T. 0.000 min  
Lab File: VD078401.D  
Acq: 13 Feb 2024 13:30

Tgt Ion:142 Resp: 85087  
Ion Ratio Lower Upper  
142 100  
127 43.4 29.4 44.0  
141 15.3 11.1 16.7

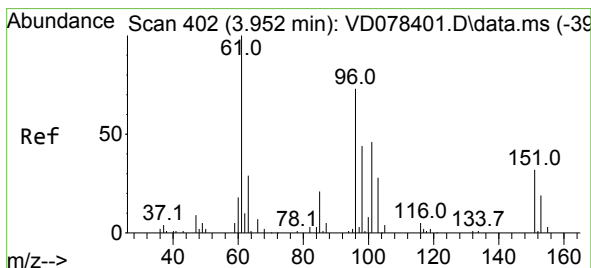
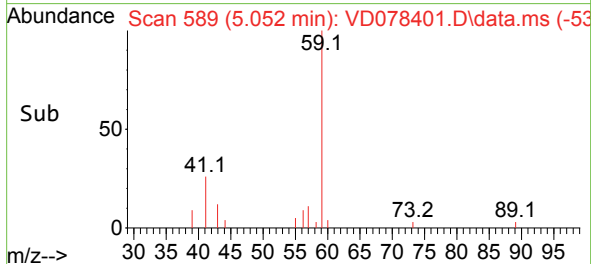
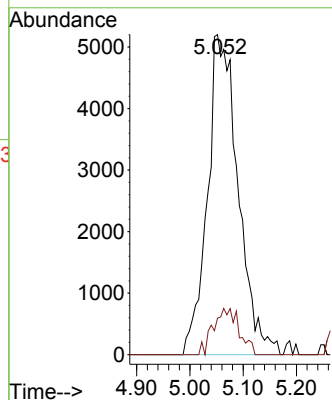
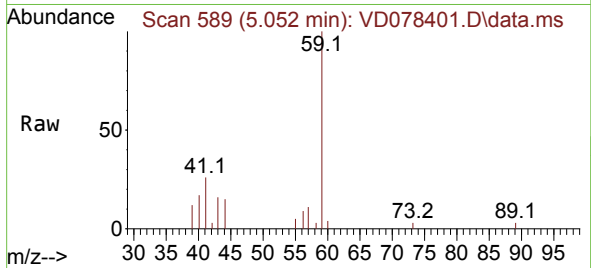




#11  
Tert butyl alcohol  
Concen: 212.058 ug/l  
RT: 5.052 min Scan# 589  
Delta R.T. -0.000 min  
Lab File: VD078401.D  
Acq: 13 Feb 2024 13:30

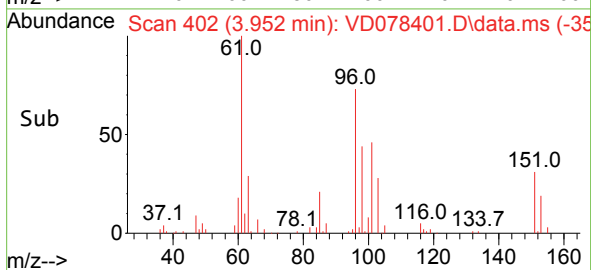
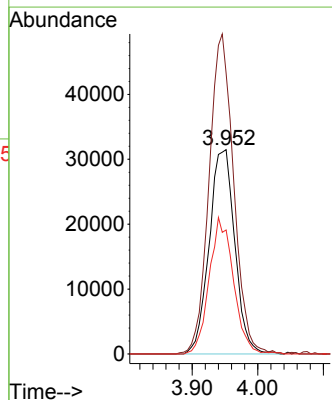
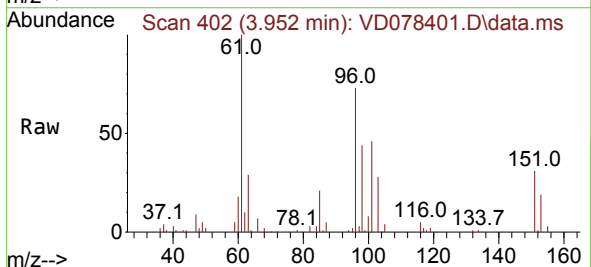
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICCC050

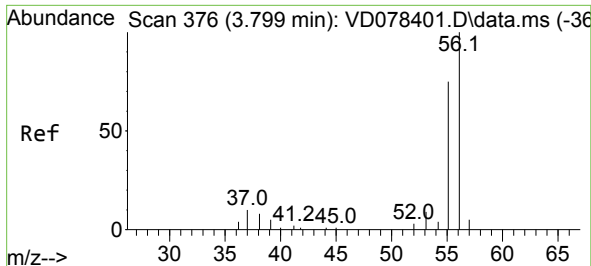
Tgt Ion: 59 Resp: 20858  
Ion Ratio Lower Upper  
59 100  
57 12.2 7.8 11.8#



#12  
1,1-Dichloroethene  
Concen: 46.967 ug/l  
RT: 3.952 min Scan# 402  
Delta R.T. 0.000 min  
Lab File: VD078401.D  
Acq: 13 Feb 2024 13:30

Tgt Ion: 96 Resp: 85590  
Ion Ratio Lower Upper  
96 100  
61 136.8 100.6 150.8  
98 60.7 50.2 75.2





#13

Acrolein

Concen: 192.070 ug/l

RT: 3.799 min Scan# 31

Delta R.T. -0.000 min

Lab File: VD078401.D

Acq: 13 Feb 2024 13:30

Instrument :

MSVOA\_D

ClientSampleId :

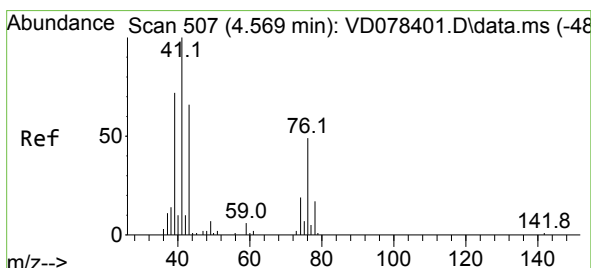
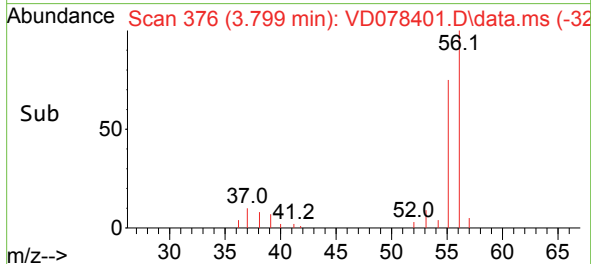
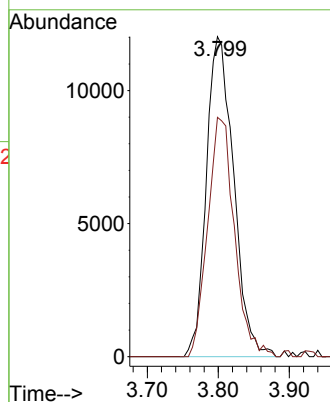
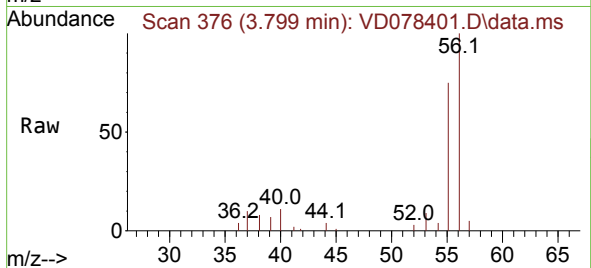
VSTDICCC050

Tgt Ion: 56 Resp: 32072

Ion Ratio Lower Upper

56 100

55 73.5 55.1 82.7



#14

Allyl chloride

Concen: 46.080 ug/l

RT: 4.569 min Scan# 507

Delta R.T. 0.000 min

Lab File: VD078401.D

Acq: 13 Feb 2024 13:30

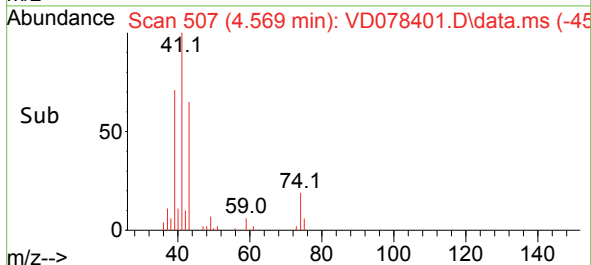
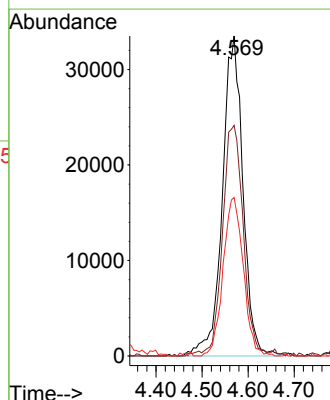
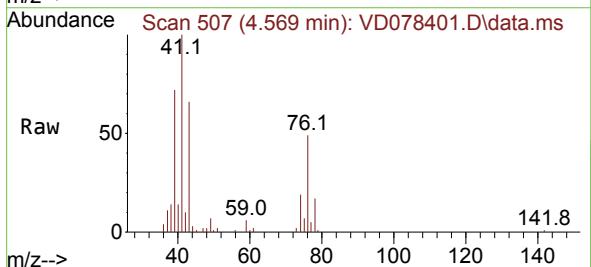
Tgt Ion: 41 Resp: 103738

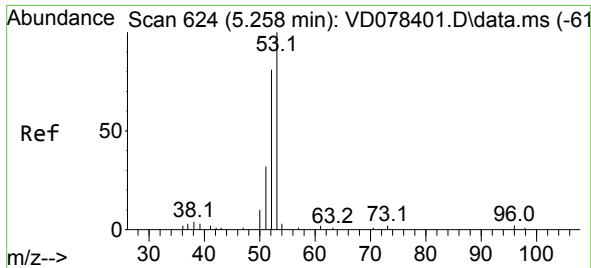
Ion Ratio Lower Upper

41 100

39 72.8 53.8 80.6

76 48.7 45.8 68.8

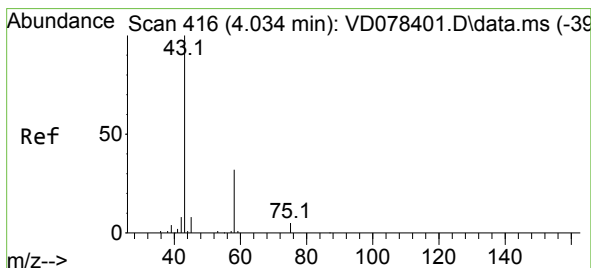
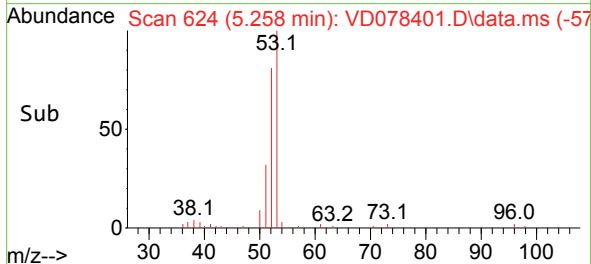
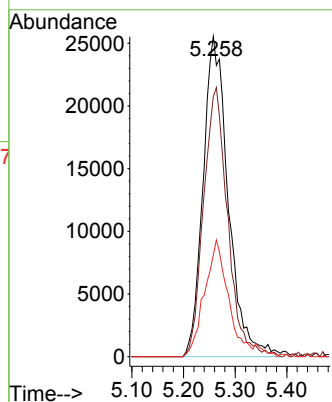
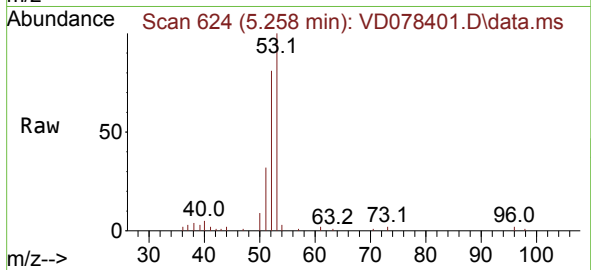




#15  
Acrylonitrile  
Concen: 225.418 ug/l  
RT: 5.258 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VD078401.D  
Acq: 13 Feb 2024 13:30

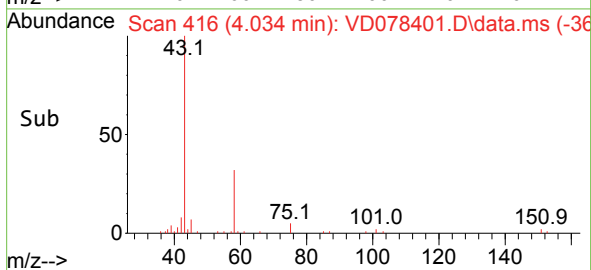
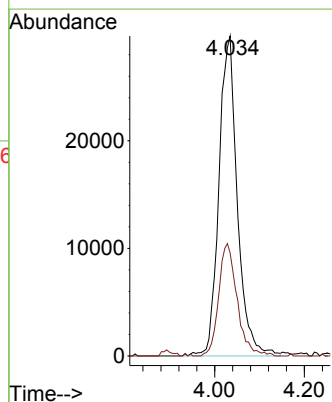
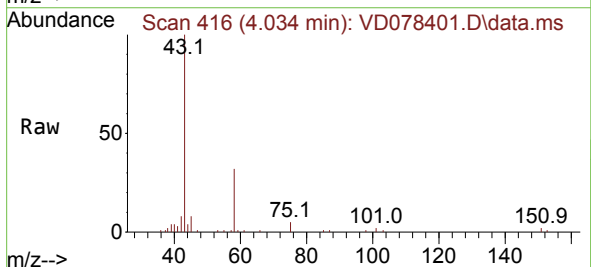
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICCC050

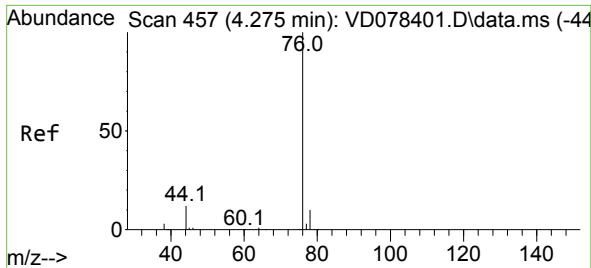
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 53    | Resp: | 86602 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 80.3  | 65.0  | 97.4  |
| 51       | 34.2  | 28.3  | 42.5  |



#16  
Acetone  
Concen: 242.887 ug/l  
RT: 4.034 min Scan# 416  
Delta R.T. 0.000 min  
Lab File: VD078401.D  
Acq: 13 Feb 2024 13:30

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 84801 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 32.2  | 34.7  | 52.1# |

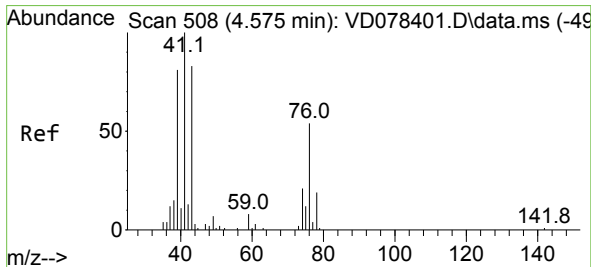
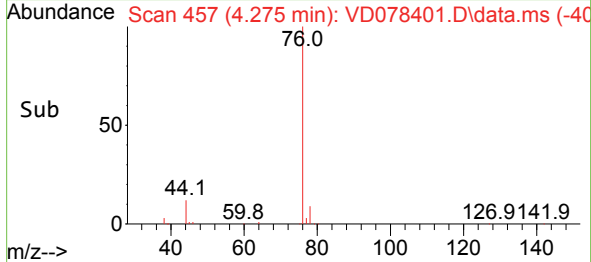
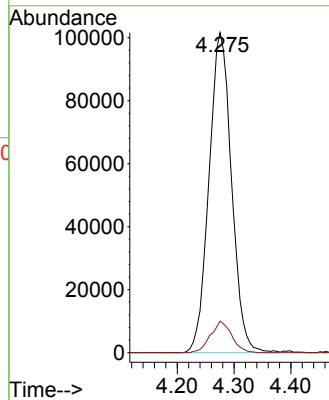
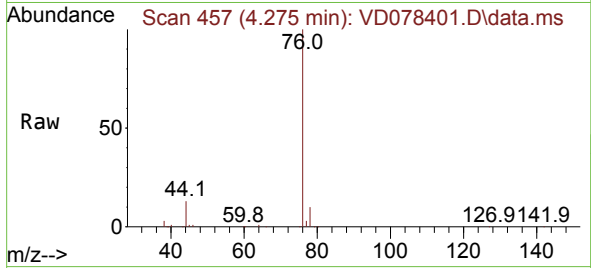




#17  
Carbon Disulfide  
Concen: 45.670 ug/l  
RT: 4.275 min Scan# 457  
Delta R.T. 0.000 min  
Lab File: VD078401.D  
Acq: 13 Feb 2024 13:30

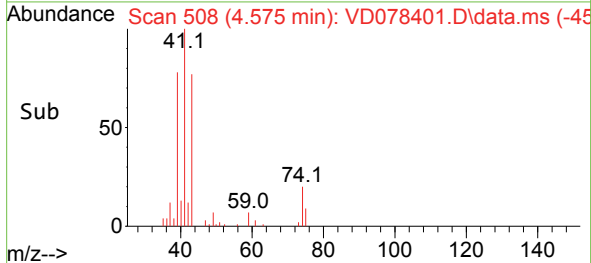
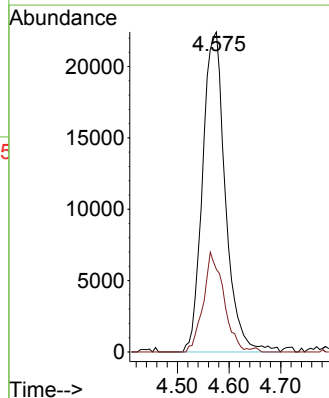
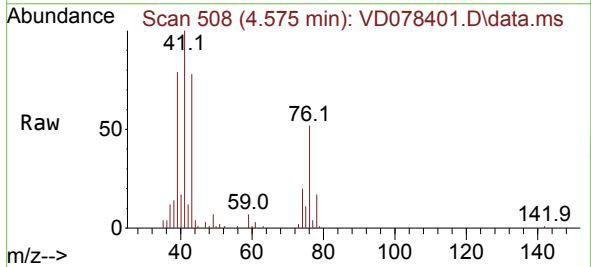
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICCC050

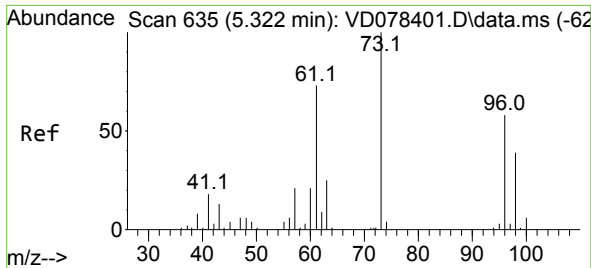
Tgt Ion: 76 Resp: 280050  
Ion Ratio Lower Upper  
76 100  
78 9.9 6.8 10.2



#18  
Methyl Acetate  
Concen: 52.215 ug/l  
RT: 4.575 min Scan# 508  
Delta R.T. 0.000 min  
Lab File: VD078401.D  
Acq: 13 Feb 2024 13:30

Tgt Ion: 43 Resp: 68622  
Ion Ratio Lower Upper  
43 100  
74 28.1 26.4 39.6

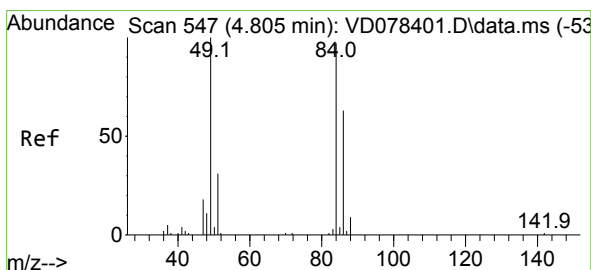
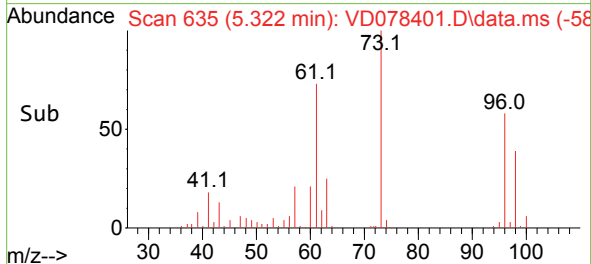
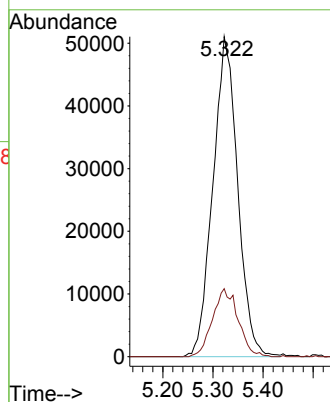
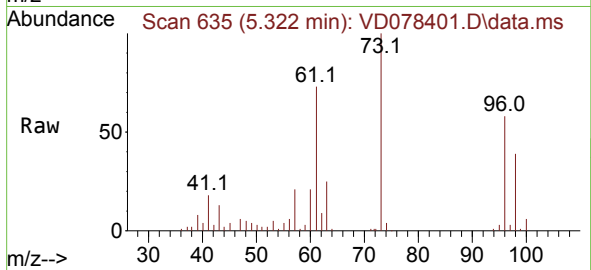




#19  
Methyl tert-butyl Ether  
Concen: 45.200 ug/l  
RT: 5.322 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VD078401.D  
Acq: 13 Feb 2024 13:30

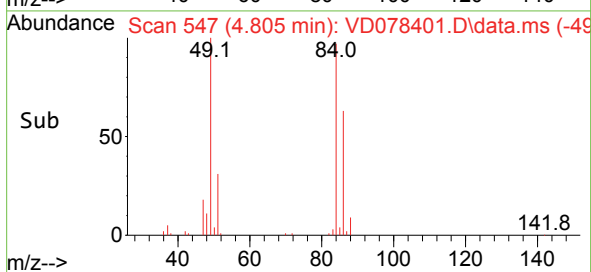
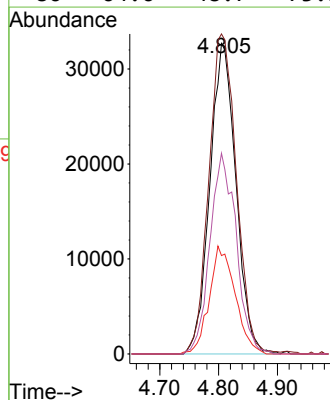
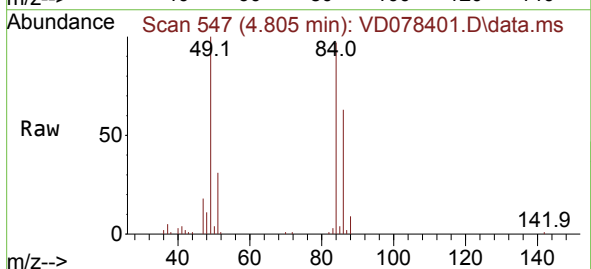
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICCC050

Tgt Ion: 73 Resp: 175005  
Ion Ratio Lower Upper  
73 100  
57 21.2 16.6 25.0



#20  
Methylene Chloride  
Concen: 49.192 ug/l  
RT: 4.805 min Scan# 547  
Delta R.T. -0.000 min  
Lab File: VD078401.D  
Acq: 13 Feb 2024 13:30

Tgt Ion: 84 Resp: 100824  
Ion Ratio Lower Upper  
84 100  
49 103.1 71.4 107.2  
51 31.7 24.5 36.7  
86 64.6 48.7 73.1

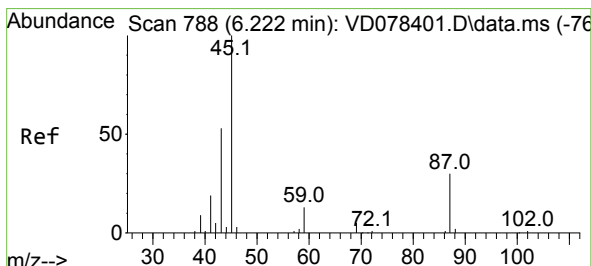
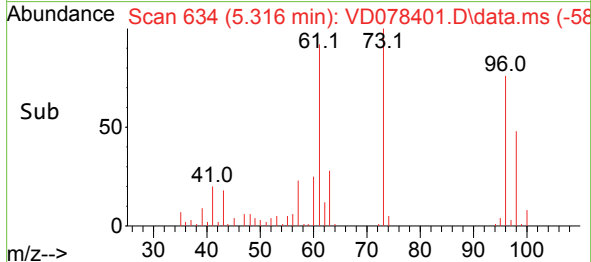
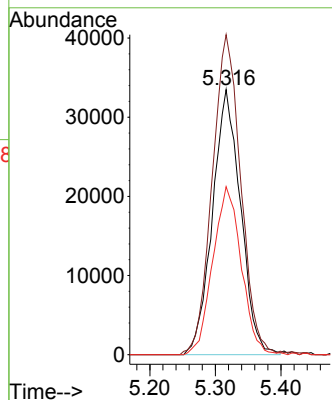
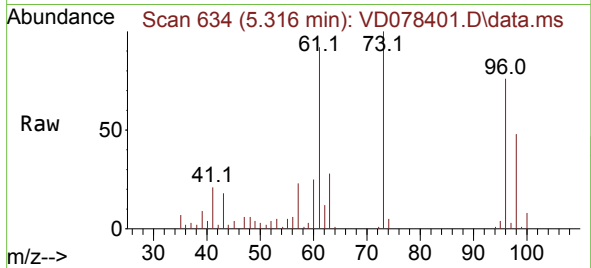




#21  
trans-1,2-Dichloroethene  
Concen: 46.490 ug/l  
RT: 5.316 min Scan# 611  
Delta R.T. 0.000 min  
Lab File: VD078401.D  
Acq: 13 Feb 2024 13:30

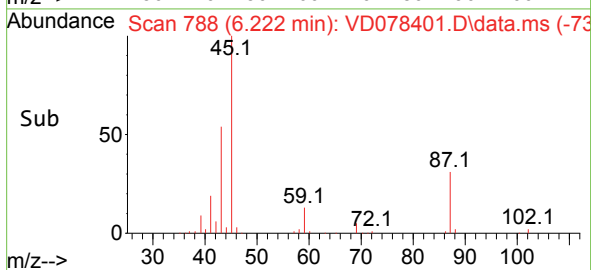
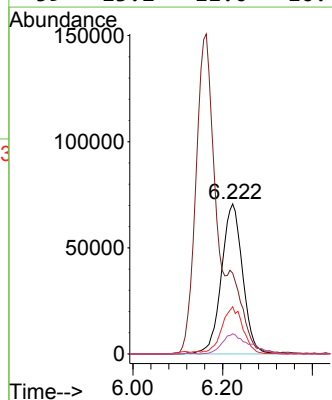
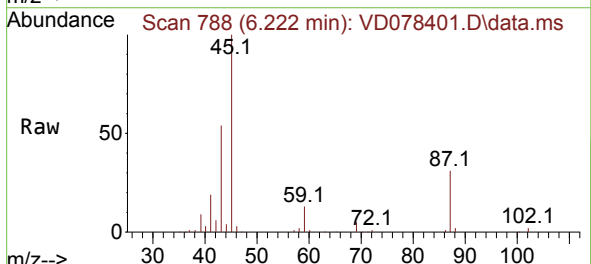
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICCC050

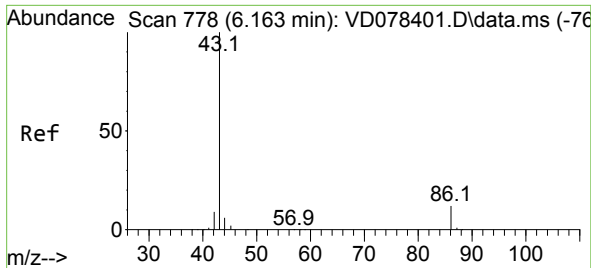
Tgt Ion: 96 Resp: 99666  
Ion Ratio Lower Upper  
96 100  
61 120.7 89.3 133.9  
98 63.3 48.6 73.0



#22  
Diisopropyl ether  
Concen: 46.862 ug/l  
RT: 6.222 min Scan# 788  
Delta R.T. 0.000 min  
Lab File: VD078401.D  
Acq: 13 Feb 2024 13:30

Tgt Ion: 45 Resp: 232525  
Ion Ratio Lower Upper  
45 100  
43 53.1 40.0 60.0  
87 31.5 28.2 42.4  
59 13.2 11.0 16.4

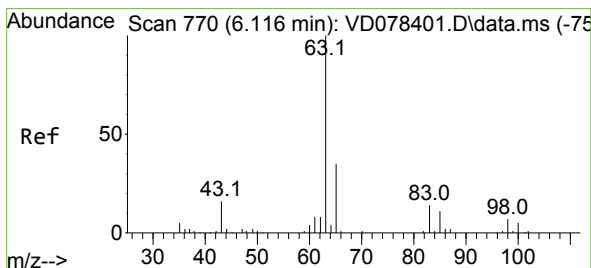
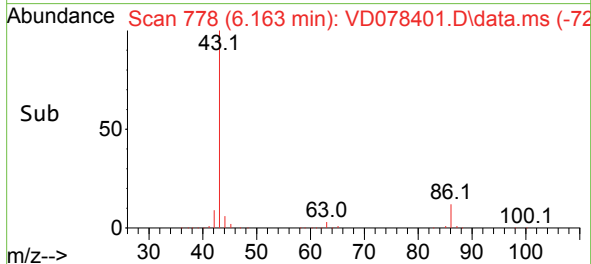
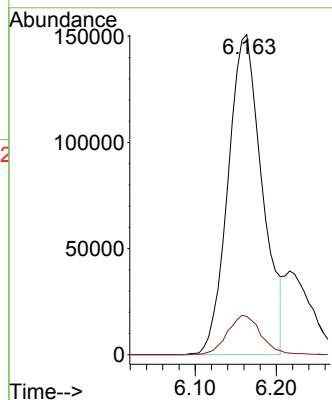
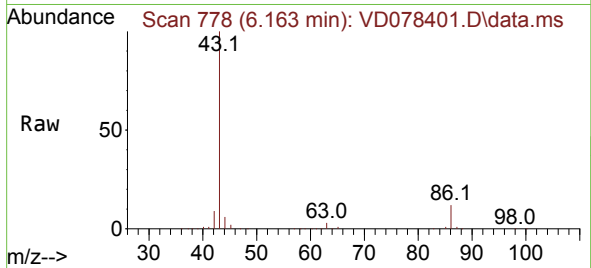




#23  
 Vinyl Acetate  
 Concen: 204.566 ug/l  
 RT: 6.163 min Scan# 778  
 Delta R.T. 0.000 min  
 Lab File: VD078401.D  
 Acq: 13 Feb 2024 13:30

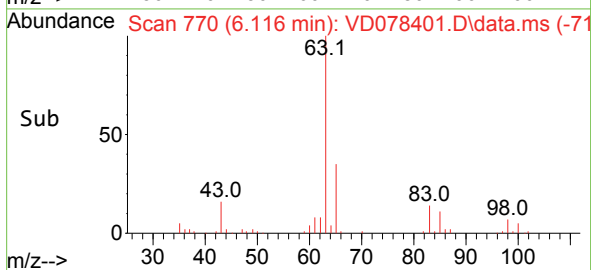
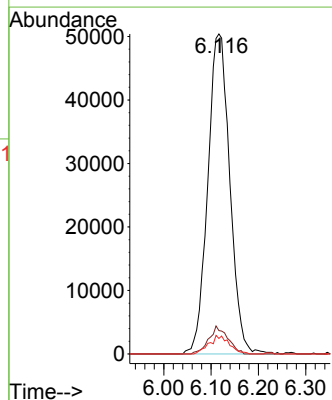
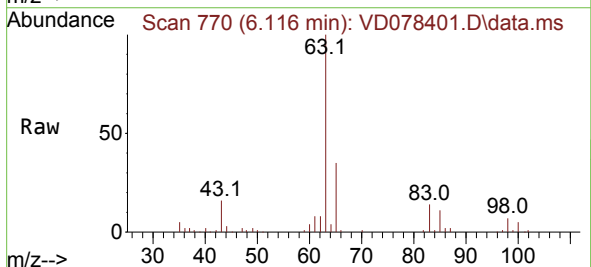
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDICCC050

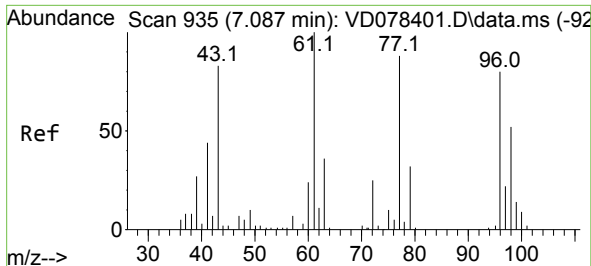
Tgt Ion: 43 Resp: 441836  
 Ion Ratio Lower Upper  
 43 100  
 86 12.0 12.5 18.7#



#24  
 1,1-Dichloroethane  
 Concen: 46.390 ug/l  
 RT: 6.116 min Scan# 770  
 Delta R.T. 0.000 min  
 Lab File: VD078401.D  
 Acq: 13 Feb 2024 13:30

Tgt Ion: 63 Resp: 163064  
 Ion Ratio Lower Upper  
 63 100  
 98 7.3 4.5 13.7  
 100 4.8 2.5 7.5

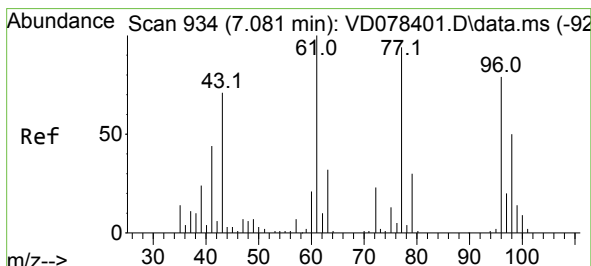
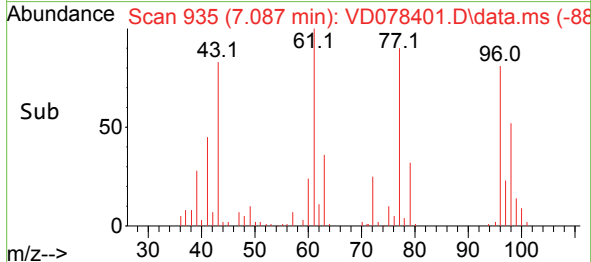
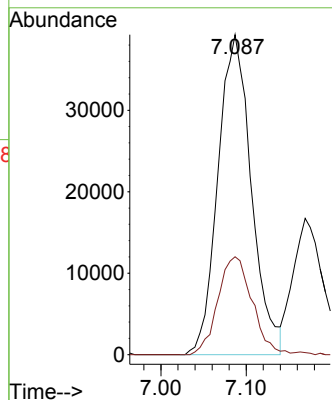
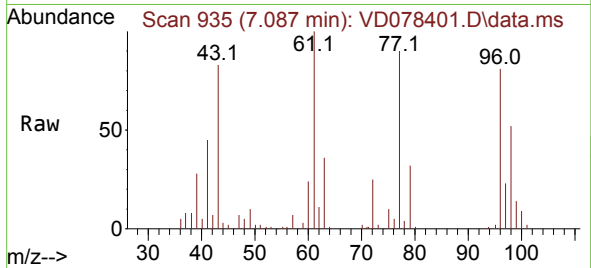




#25  
2-Butanone  
Concen: 232.851 ug/l  
RT: 7.087 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VD078401.D  
Acq: 13 Feb 2024 13:30

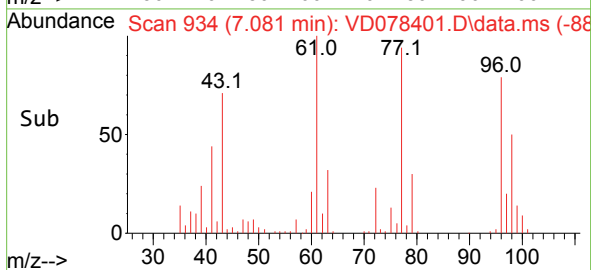
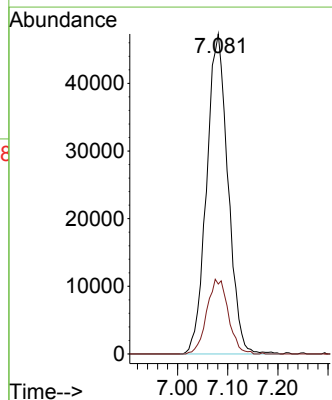
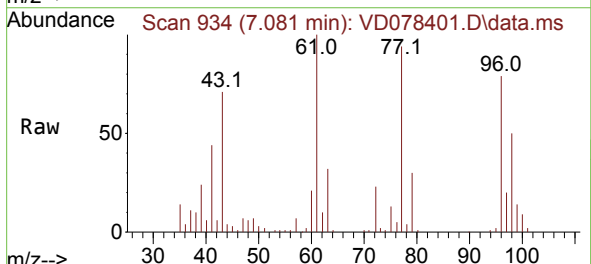
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICCC050

Tgt Ion: 43 Resp: 107060  
Ion Ratio Lower Upper  
43 100  
72 30.6 30.7 46.1#



#26  
2,2-Dichloropropane  
Concen: 47.627 ug/l  
RT: 7.081 min Scan# 934  
Delta R.T. 0.000 min  
Lab File: VD078401.D  
Acq: 13 Feb 2024 13:30

Tgt Ion: 77 Resp: 140342  
Ion Ratio Lower Upper  
77 100  
97 23.4 13.2 39.6

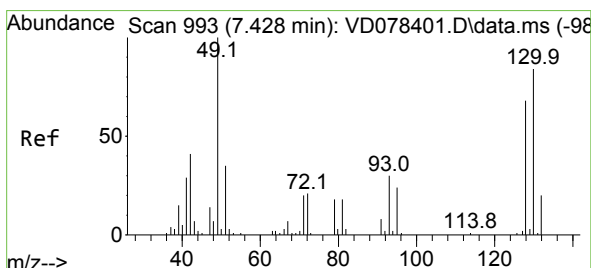
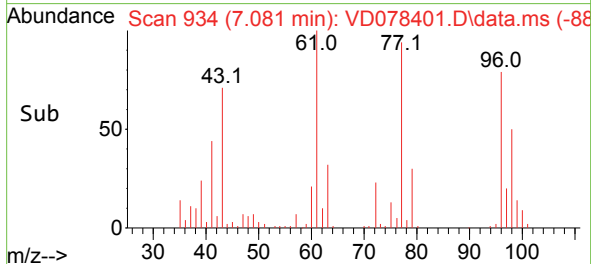
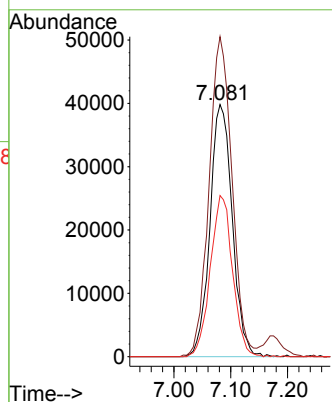
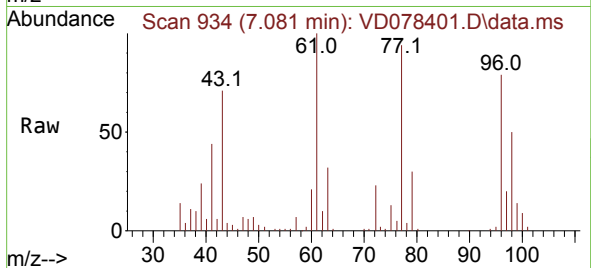




#27  
 cis-1,2-Dichloroethene  
 Concen: 46.130 ug/l  
 RT: 7.081 min Scan# 91  
 Delta R.T. 0.000 min  
 Lab File: VD078401.D  
 Acq: 13 Feb 2024 13:30

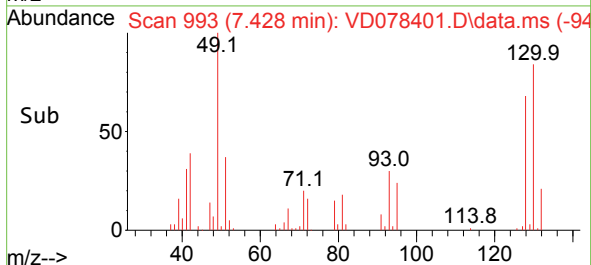
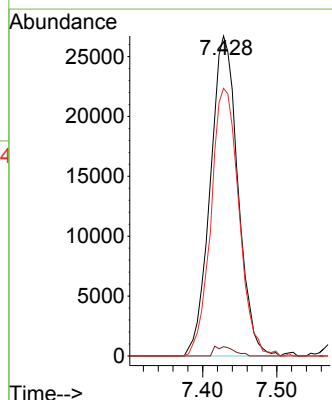
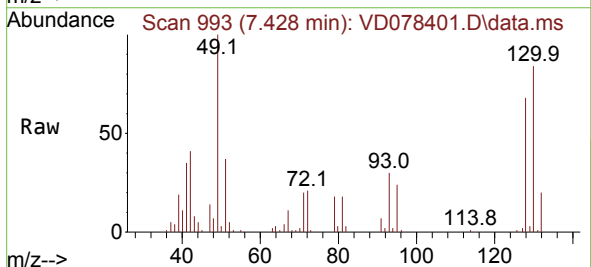
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDICCC050

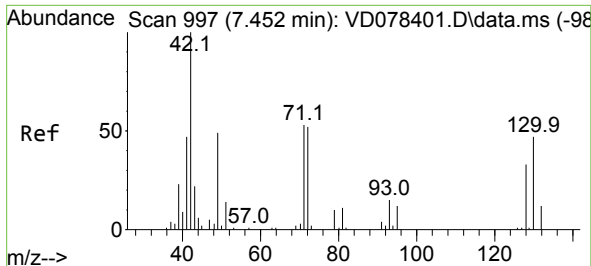
Tgt Ion: 96 Resp: 108501  
 Ion Ratio Lower Upper  
 96 100  
 61 130.5 0.0 239.2  
 98 63.5 0.0 128.6



#28  
 Bromochloromethane  
 Concen: 49.658 ug/l  
 RT: 7.428 min Scan# 993  
 Delta R.T. 0.000 min  
 Lab File: VD078401.D  
 Acq: 13 Feb 2024 13:30

Tgt Ion: 49 Resp: 69136  
 Ion Ratio Lower Upper  
 49 100  
 129 2.1 0.0 6.0  
 130 84.5 83.2 124.8





#29

Tetrahydrofuran

Concen: 224.191 ug/l

RT: 7.452 min Scan# 997

Delta R.T. 0.000 min

Lab File: VD078401.D

Acq: 13 Feb 2024 13:30

Instrument :

MSVOA\_D

ClientSampleId :

VSTDICCC050

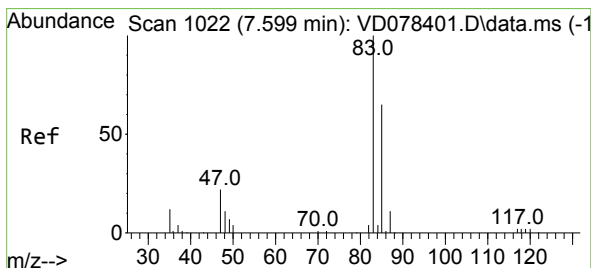
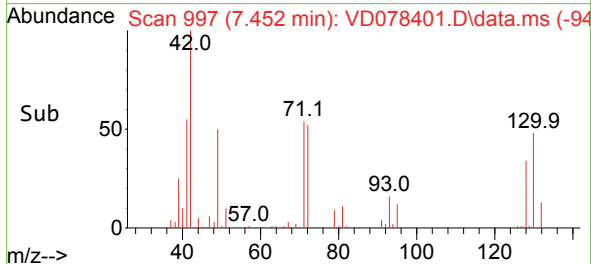
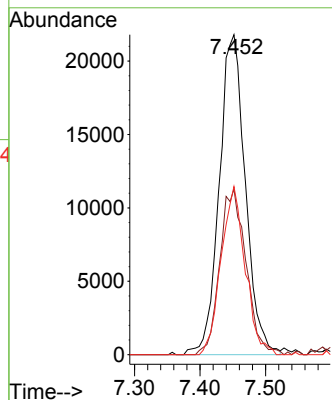
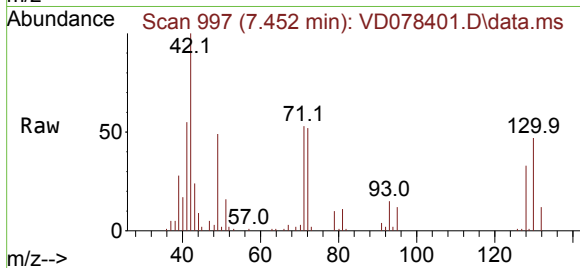
Tgt Ion: 42 Resp: 60263

Ion Ratio Lower Upper

42 100

72 52.1 46.5 69.7

71 48.6 44.5 66.7



#30

Chloroform

Concen: 46.320 ug/l

RT: 7.599 min Scan# 1022

Delta R.T. 0.000 min

Lab File: VD078401.D

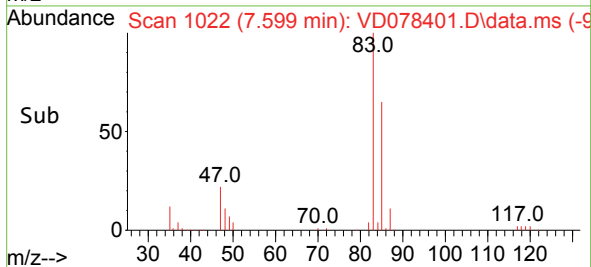
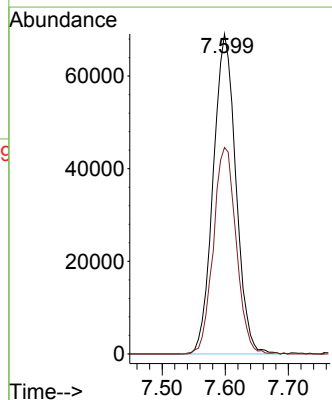
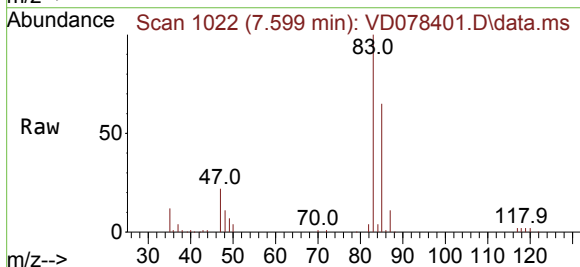
Acq: 13 Feb 2024 13:30

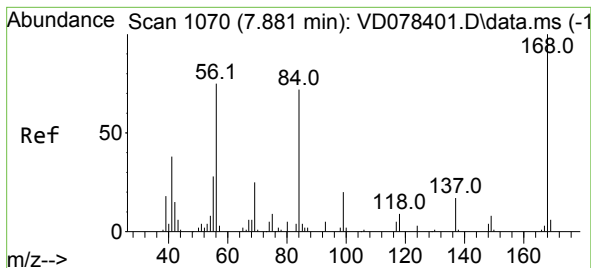
Tgt Ion: 83 Resp: 172267

Ion Ratio Lower Upper

83 100

85 64.6 53.4 80.2





#31

Cyclohexane

Concen: 46.671 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. 0.000 min

Lab File: VD078401.D

Acq: 13 Feb 2024 13:30

Instrument :

MSVOA\_D

ClientSampleId :

VSTDICCC050

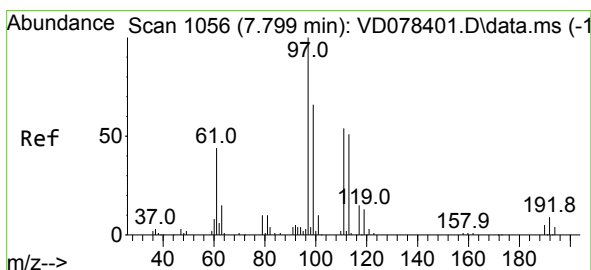
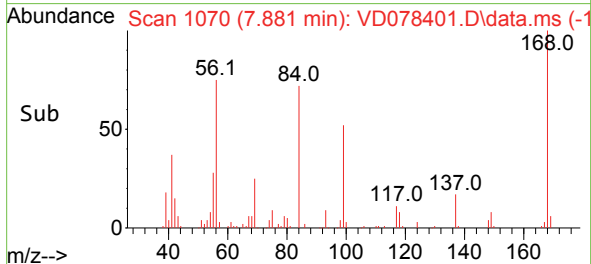
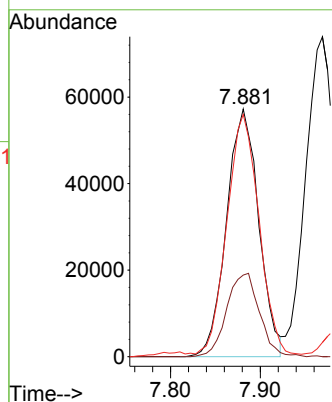
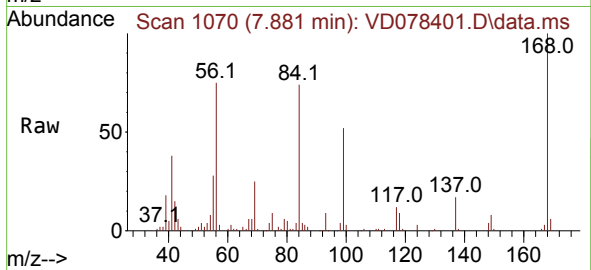
Tgt Ion: 56 Resp: 142699

Ion Ratio Lower Upper

56 100

69 33.0 28.6 43.0

84 95.9 84.8 127.2



#32

1,1,1-Trichloroethane

Concen: 46.474 ug/l

RT: 7.799 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VD078401.D

Acq: 13 Feb 2024 13:30

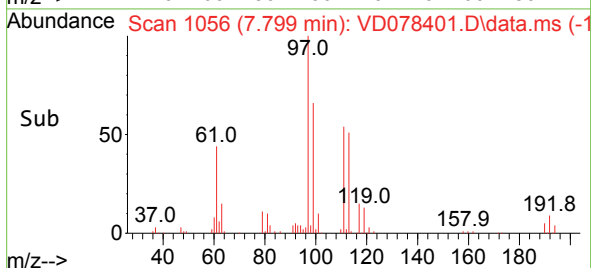
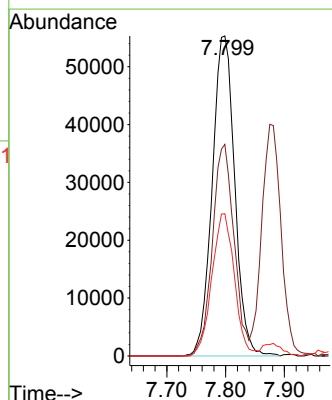
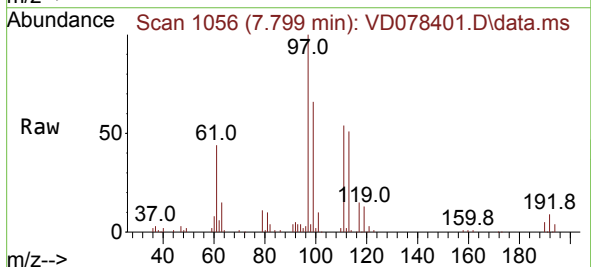
Tgt Ion: 97 Resp: 147364

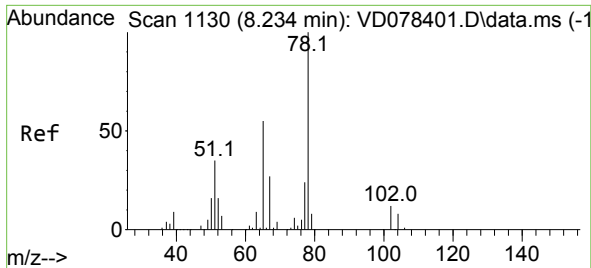
Ion Ratio Lower Upper

97 100

99 63.7 52.0 78.0

61 44.1 33.8 50.8





#33

1,2-Dichloroethane-d4

Concen: 44.779 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VD078401.D

Acq: 13 Feb 2024 13:30

Instrument :

MSVOA\_D

ClientSampleId :

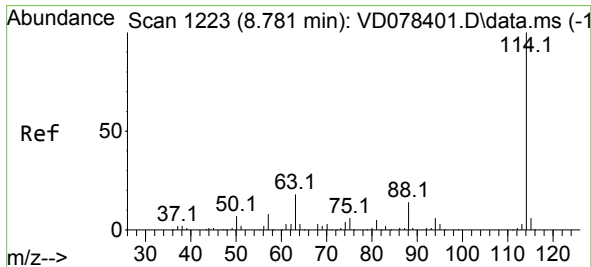
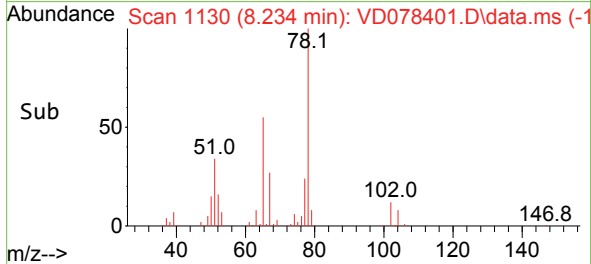
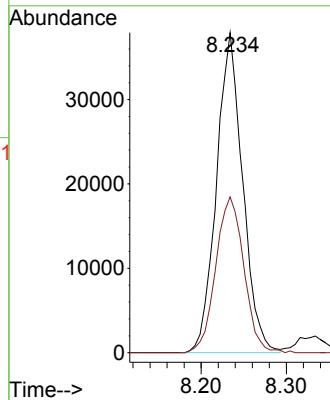
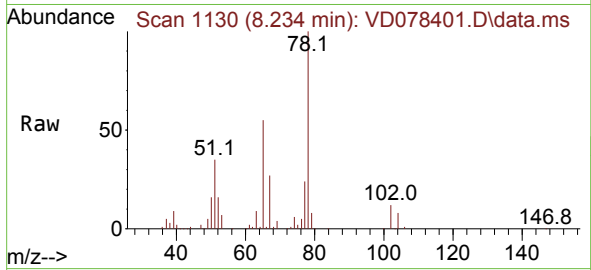
VSTDICCC050

Tgt Ion: 65 Resp: 80938

Ion Ratio Lower Upper

65 100

67 52.3 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: VD078401.D

Acq: 13 Feb 2024 13:30

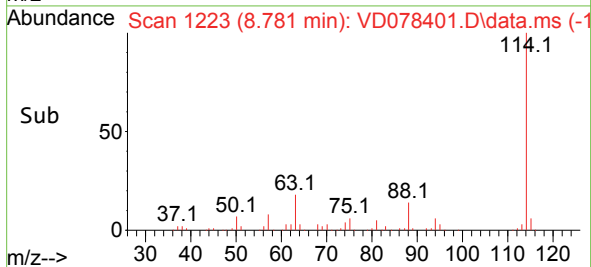
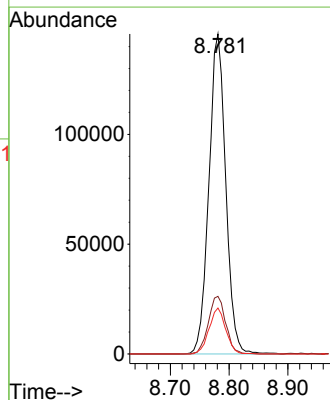
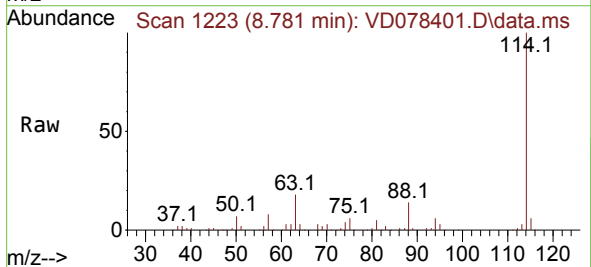
Tgt Ion: 114 Resp: 290231

Ion Ratio Lower Upper

114 100

63 18.0 0.0 33.4

88 14.4 0.0 26.2





#35

Dibromofluoromethane

Concen: 45.797 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VD078401.D

Acq: 13 Feb 2024 13:30

Instrument :

MSVOA\_D

ClientSampleId :

VSTDICCC050

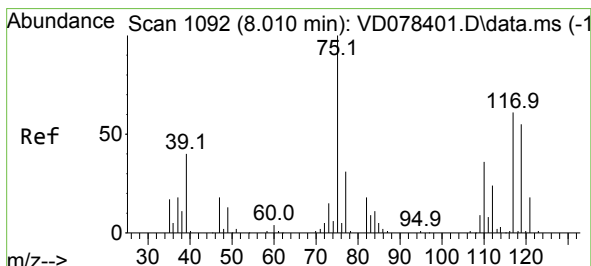
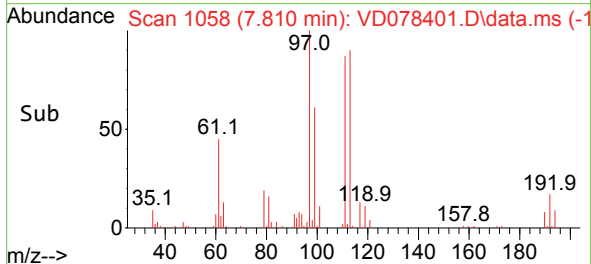
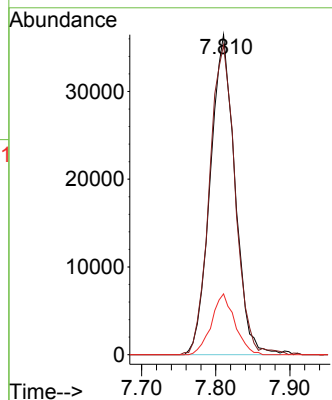
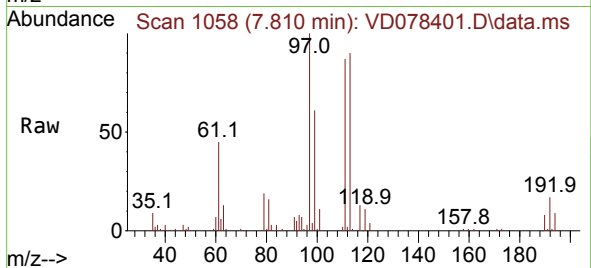
Tgt Ion:113 Resp: 84431

Ion Ratio Lower Upper

113 100

111 100.7 84.7 127.1

192 18.0 16.8 25.2



#36

1,1-Dichloropropene

Concen: 46.737 ug/l

RT: 8.010 min Scan# 1092

Delta R.T. 0.000 min

Lab File: VD078401.D

Acq: 13 Feb 2024 13:30

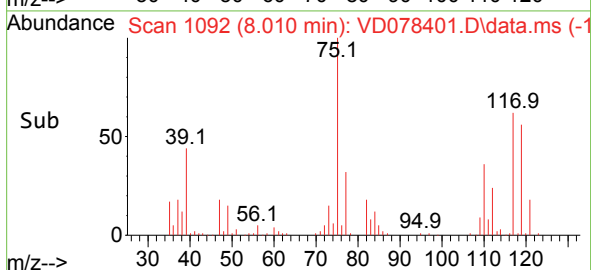
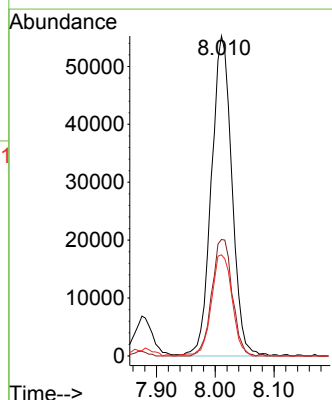
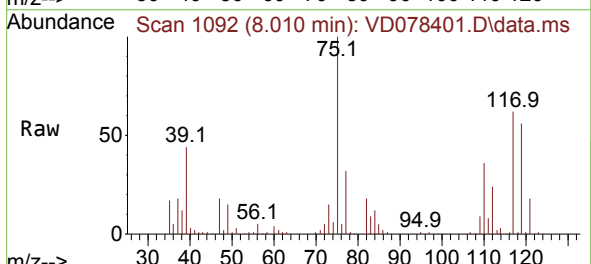
Tgt Ion: 75 Resp: 133855

Ion Ratio Lower Upper

75 100

110 36.2 19.9 59.6

77 32.0 24.7 37.1

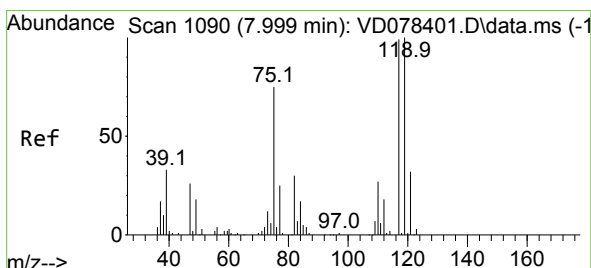
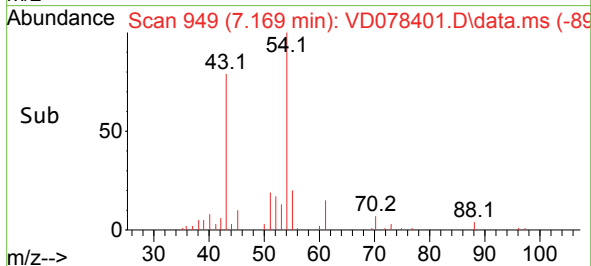
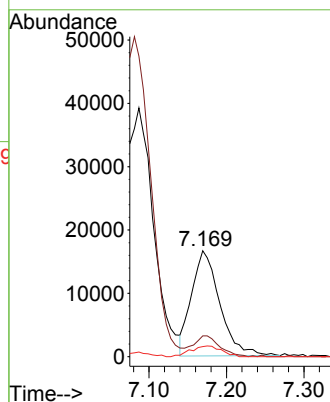
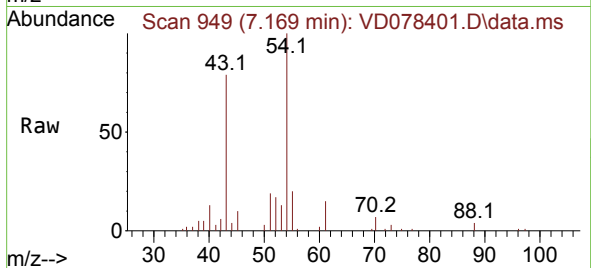




#37  
Ethyl Acetate  
Concen: 41.918 ug/l  
RT: 7.169 min Scan# 949  
Delta R.T. 0.000 min  
Lab File: VD078401.D  
Acq: 13 Feb 2024 13:30

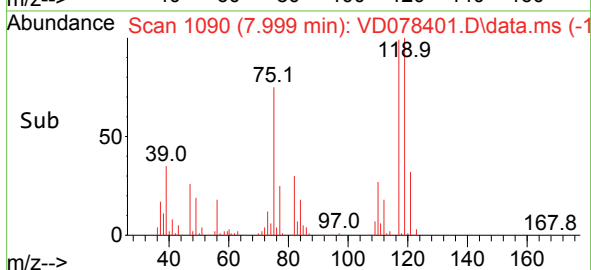
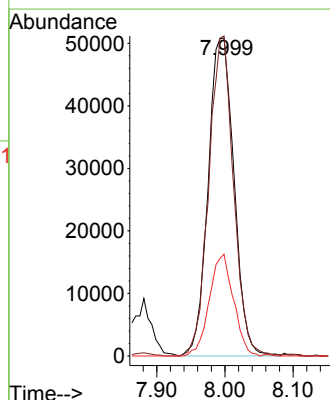
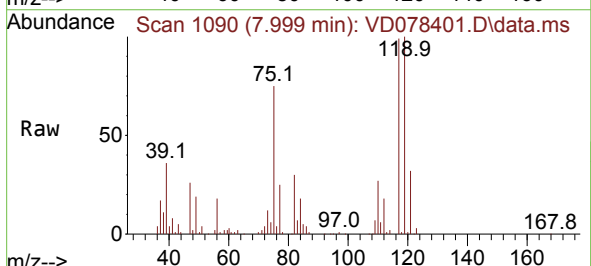
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICCC050

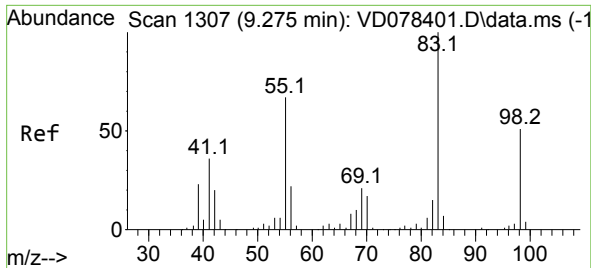
Tgt Ion: 43 Resp: 42084  
Ion Ratio Lower Upper  
43 100  
61 18.1 14.9 22.3  
70 11.1 10.0 15.0



#38  
Carbon Tetrachloride  
Concen: 47.291 ug/l  
RT: 7.999 min Scan# 1090  
Delta R.T. 0.000 min  
Lab File: VD078401.D  
Acq: 13 Feb 2024 13:30

Tgt Ion: 117 Resp: 134130  
Ion Ratio Lower Upper  
117 100  
119 100.6 78.0 117.0  
121 32.0 24.2 36.2





#39

Methylcyclohexane

Concen: 49.326 ug/l

RT: 9.275 min Scan# 11307

Delta R.T. 0.000 min

Lab File: VD078401.D

Acq: 13 Feb 2024 13:30

Instrument :

MSVOA\_D

ClientSampleId :

VSTDICCC050

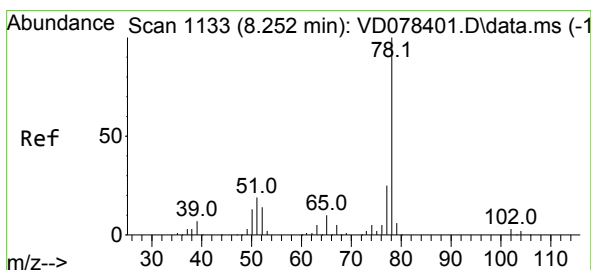
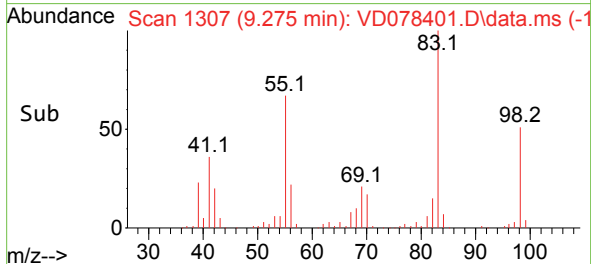
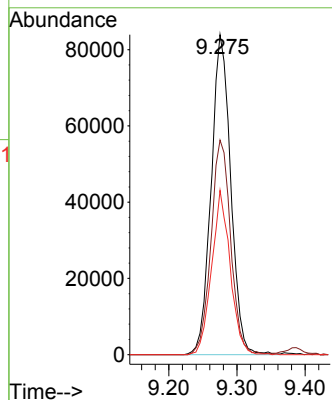
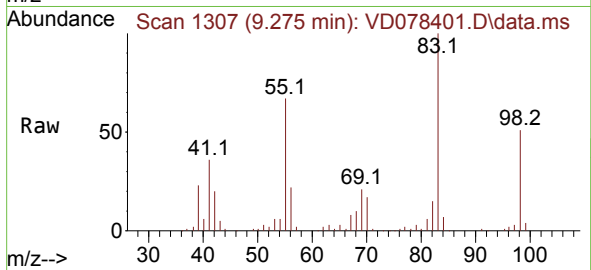
Tgt Ion: 83 Resp: 167711

Ion Ratio Lower Upper

83 100

55 67.1 49.4 74.0

98 51.3 38.4 57.6



#40

Benzene

Concen: 46.931 ug/l

RT: 8.252 min Scan# 1133

Delta R.T. 0.000 min

Lab File: VD078401.D

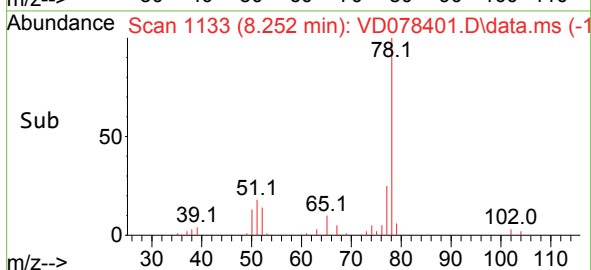
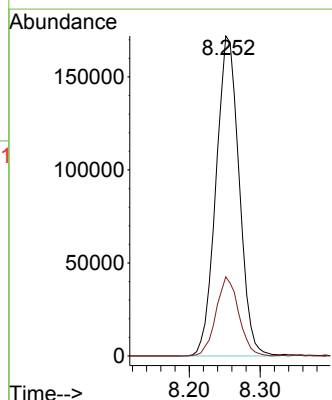
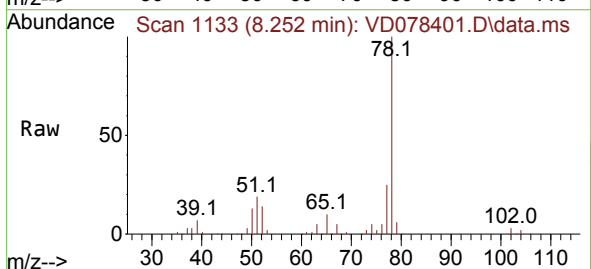
Acq: 13 Feb 2024 13:30

Tgt Ion: 78 Resp: 388506

Ion Ratio Lower Upper

78 100

77 24.7 19.4 29.0

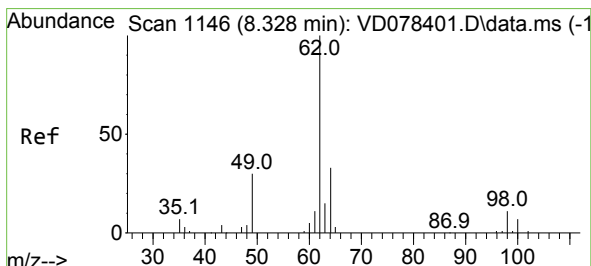
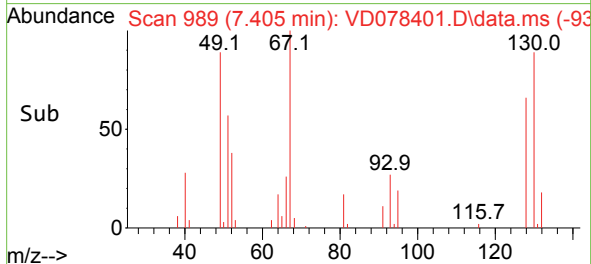
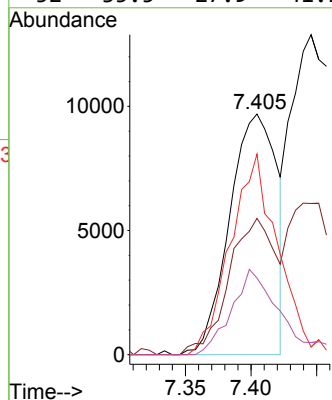
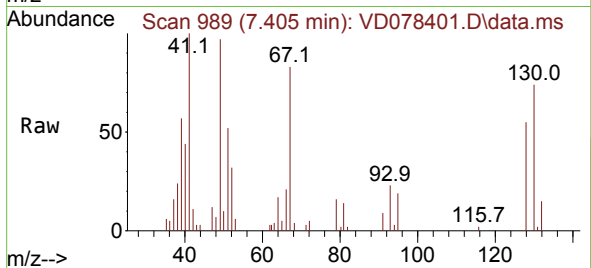




#41  
Methacrylonitrile  
Concen: 46.490 ug/l  
RT: 7.405 min Scan# 989  
Delta R.T. 0.000 min  
Lab File: VD078401.D  
Acq: 13 Feb 2024 13:30

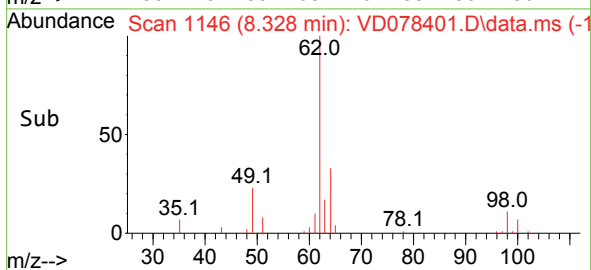
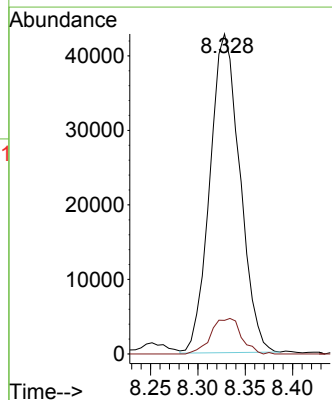
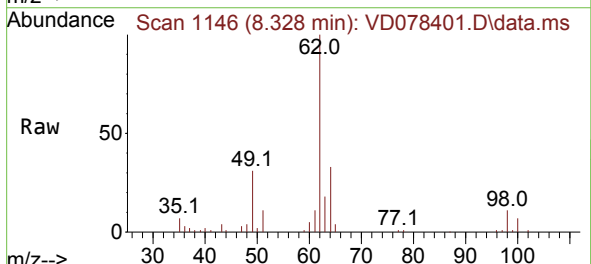
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICCC050

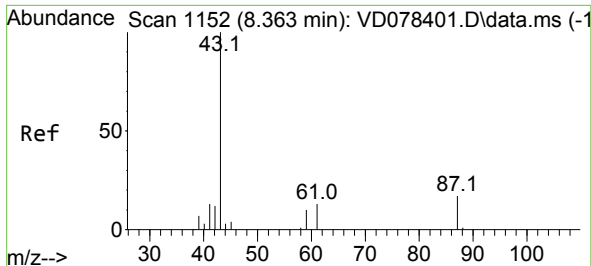
Tgt Ion: 41 Resp: 24291  
Ion Ratio Lower Upper  
41 100  
39 56.1 34.0 51.0#  
67 84.5 77.0 115.4  
52 35.5 27.9 41.9



#42  
1,2-Dichloroethane  
Concen: 44.113 ug/l  
RT: 8.328 min Scan# 1146  
Delta R.T. 0.000 min  
Lab File: VD078401.D  
Acq: 13 Feb 2024 13:30

Tgt Ion: 62 Resp: 94489  
Ion Ratio Lower Upper  
62 100  
98 11.2 0.0 25.4

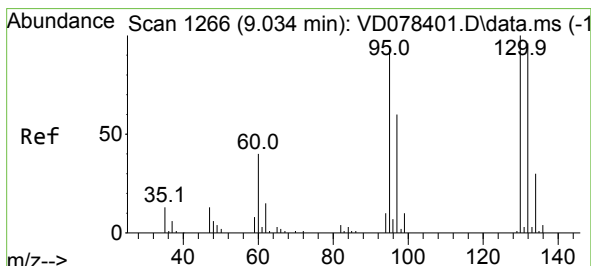
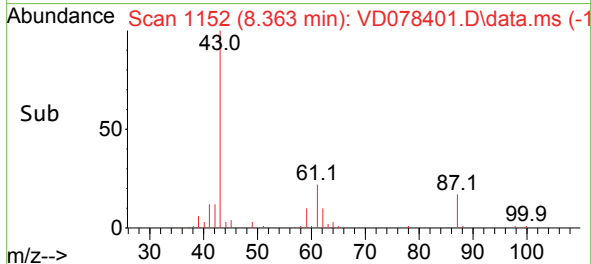
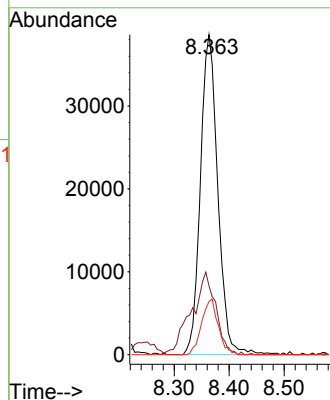
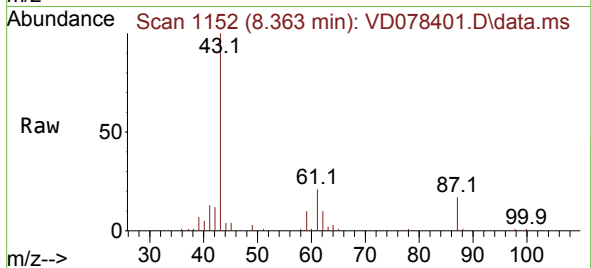




#43  
Isopropyl Acetate  
Concen: 45.674 ug/l  
RT: 8.363 min Scan# 1152  
Delta R.T. 0.000 min  
Lab File: VD078401.D  
Acq: 13 Feb 2024 13:30

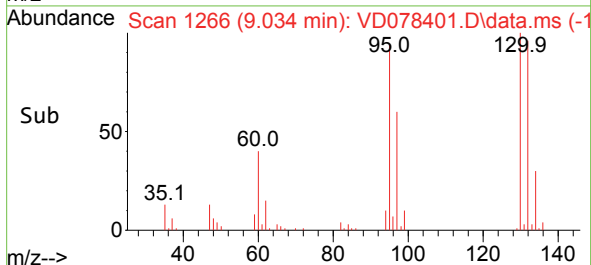
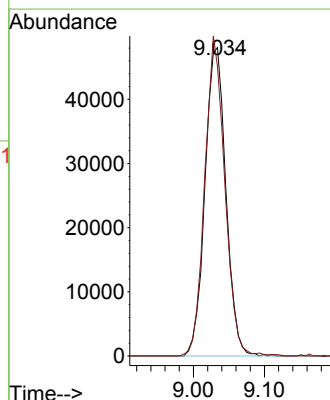
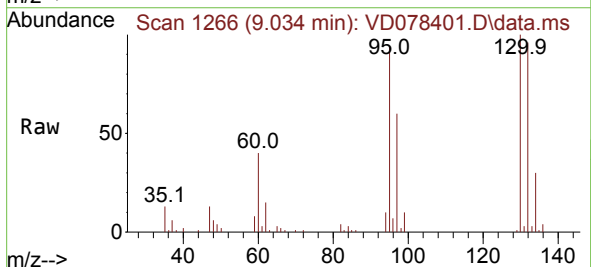
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICCC050

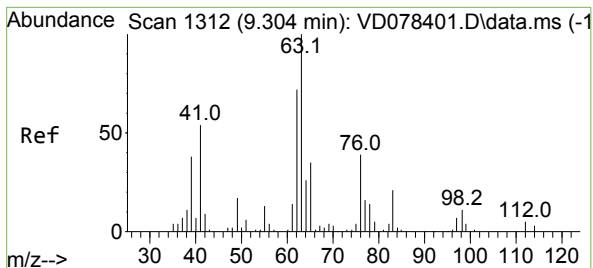
Tgt Ion: 43 Resp: 84912  
Ion Ratio Lower Upper  
43 100  
61 36.0 31.4 47.0  
87 16.7 14.9 22.3



#44  
Trichloroethene  
Concen: 46.715 ug/l  
RT: 9.034 min Scan# 1266  
Delta R.T. 0.000 min  
Lab File: VD078401.D  
Acq: 13 Feb 2024 13:30

Tgt Ion:130 Resp: 98659  
Ion Ratio Lower Upper  
130 100  
95 93.9 0.0 179.2





#45

1,2-Dichloropropane

Concen: 45.452 ug/l

RT: 9.304 min Scan# 1312

Delta R.T. 0.000 min

Lab File: VD078401.D

Acq: 13 Feb 2024 13:30

Instrument :

MSVOA\_D

ClientSampleId :

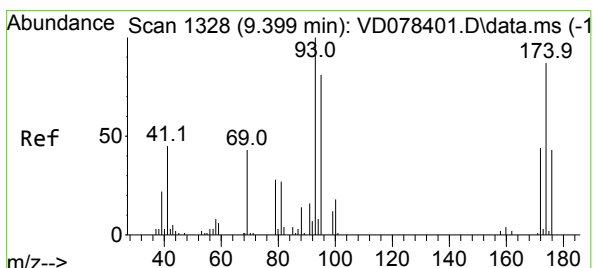
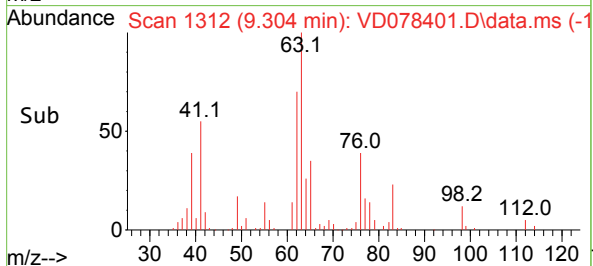
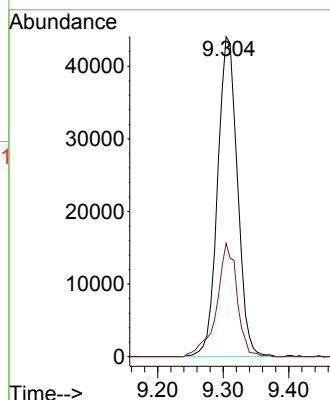
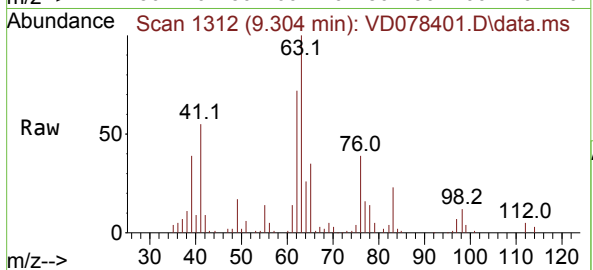
VSTDICCC050

Tgt Ion: 63 Resp: 92317

Ion Ratio Lower Upper

63 100

65 35.4 24.5 36.7



#46

Dibromomethane

Concen: 45.051 ug/l

RT: 9.399 min Scan# 1328

Delta R.T. 0.000 min

Lab File: VD078401.D

Acq: 13 Feb 2024 13:30

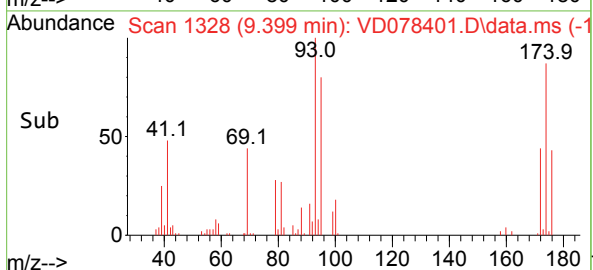
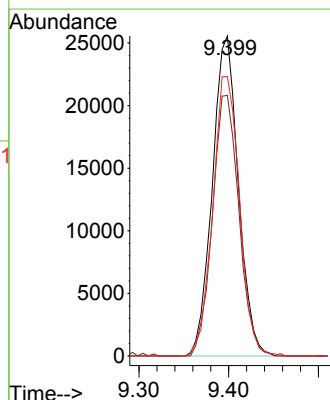
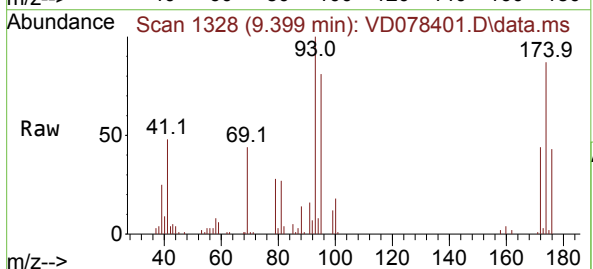
Tgt Ion: 93 Resp: 51468

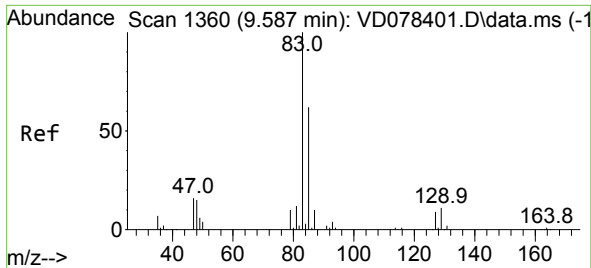
Ion Ratio Lower Upper

93 100

95 83.1 67.7 101.5

174 89.4 85.4 128.2

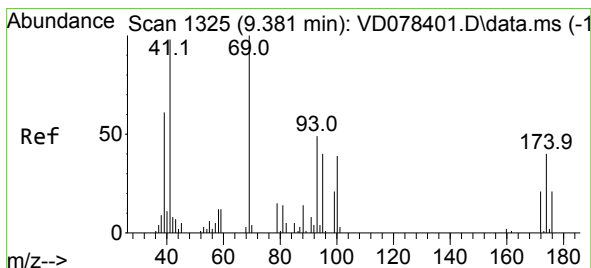
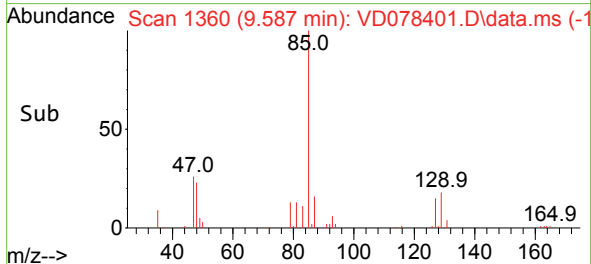
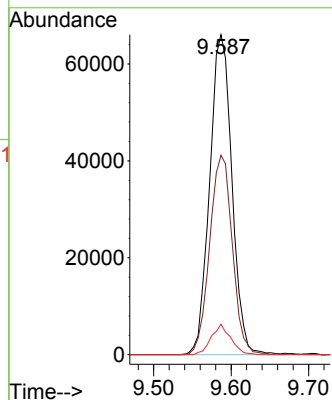
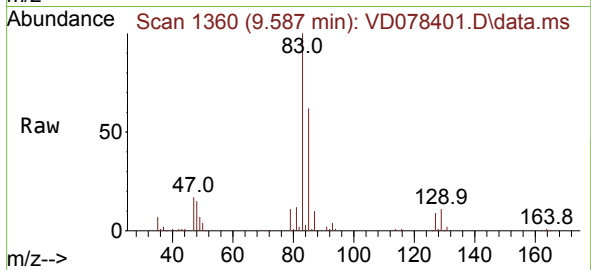




#47  
Bromodichloromethane  
Concen: 46.577 ug/l  
RT: 9.587 min Scan# 1360  
Delta R.T. 0.000 min  
Lab File: VD078401.D  
Acq: 13 Feb 2024 13:30

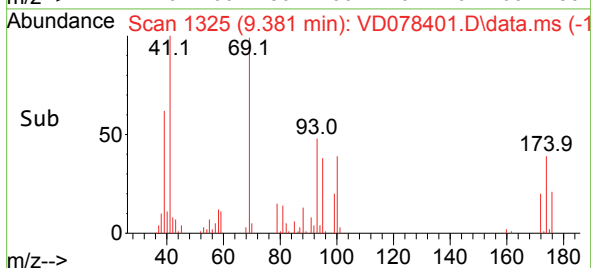
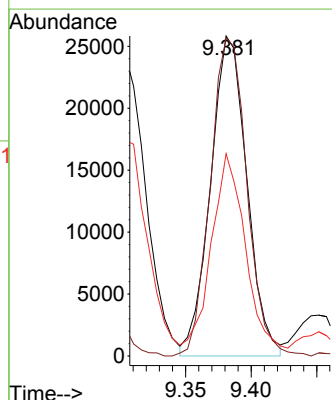
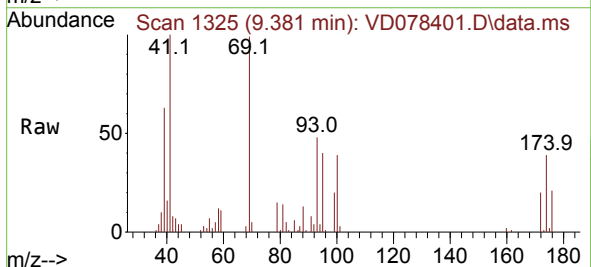
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICCC050

Tgt Ion: 83 Resp: 131796  
Ion Ratio Lower Upper  
83 100  
85 62.3 50.2 75.4  
127 9.5 6.3 9.5#



#48  
Methyl methacrylate  
Concen: 50.465 ug/l  
RT: 9.381 min Scan# 1325  
Delta R.T. 0.000 min  
Lab File: VD078401.D  
Acq: 13 Feb 2024 13:30

Tgt Ion: 41 Resp: 49774  
Ion Ratio Lower Upper  
41 100  
69 99.8 102.2 153.2#  
39 60.7 41.4 62.2





#49

1,4-Dioxane

Concen: 874.552 ug/l

RT: 9.393 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD078401.D

Acq: 13 Feb 2024 13:30

Instrument :

MSVOA\_D

ClientSampleId :

VSTDICCC050

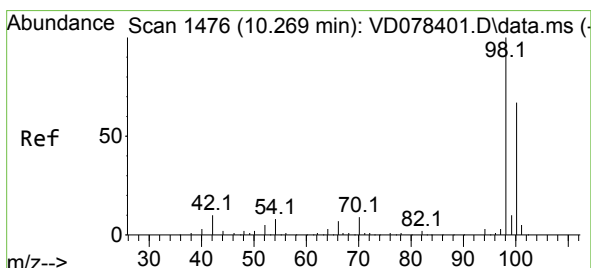
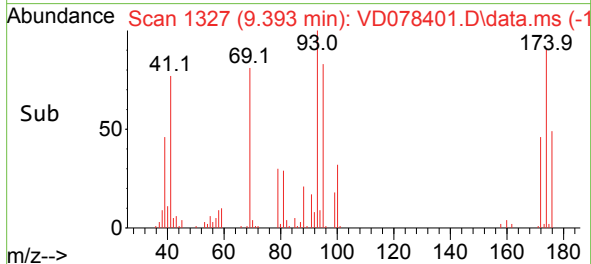
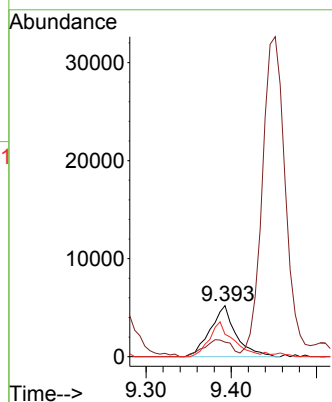
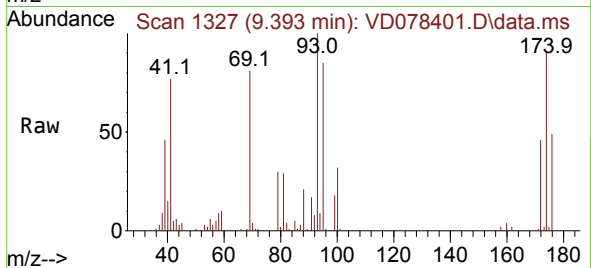
Tgt Ion: 88 Resp: 10820

Ion Ratio Lower Upper

88 100

43 35.6 19.0 28.6#

58 62.9 43.5 65.3



#50

Toluene-d8

Concen: 45.633 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD078401.D

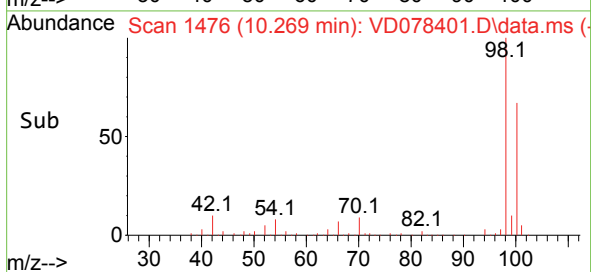
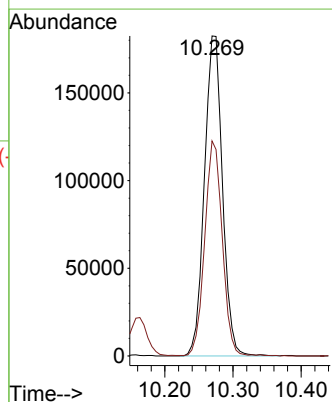
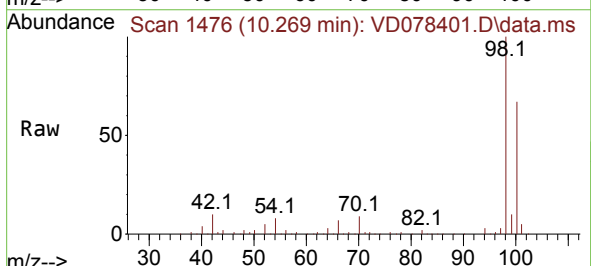
Acq: 13 Feb 2024 13:30

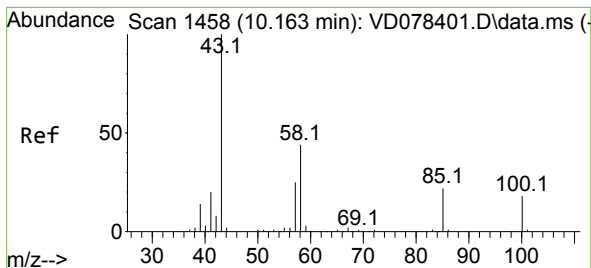
Tgt Ion: 98 Resp: 336540

Ion Ratio Lower Upper

98 100

100 65.5 50.3 75.5

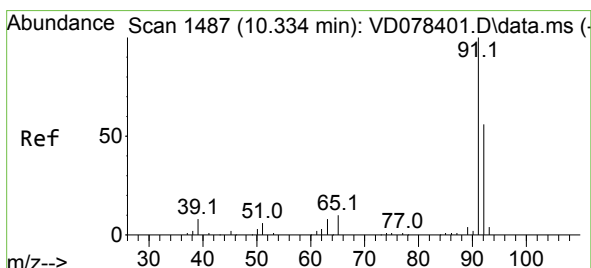
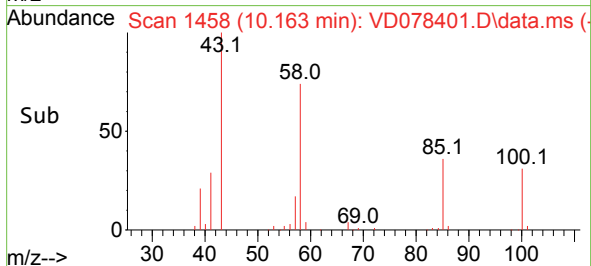
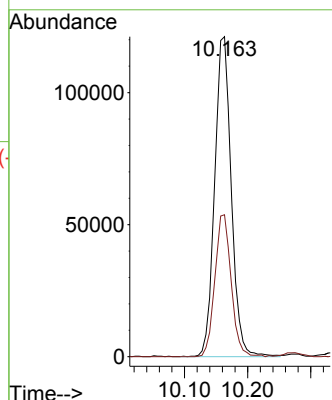
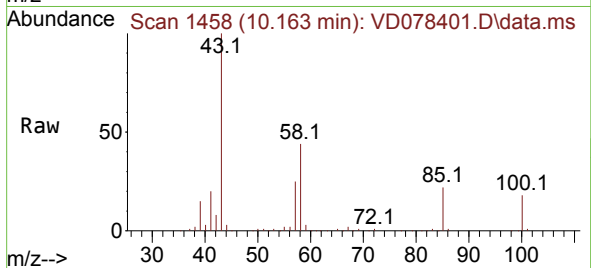




#51  
4-Methyl-2-Pentanone  
Concen: 224.645 ug/l  
RT: 10.163 min Scan# 1458  
Delta R.T. 0.000 min  
Lab File: VD078401.D  
Acq: 13 Feb 2024 13:30

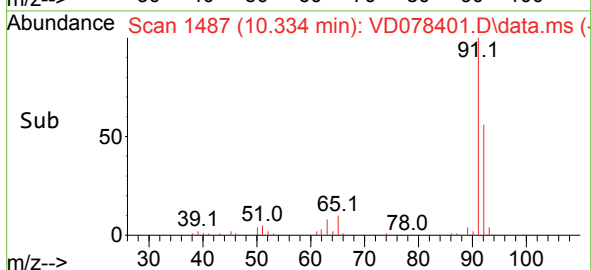
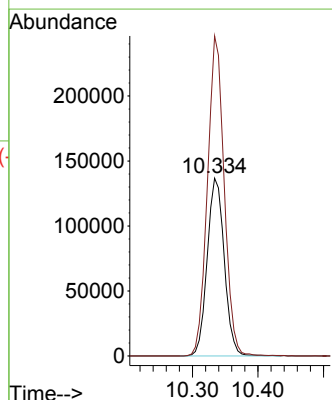
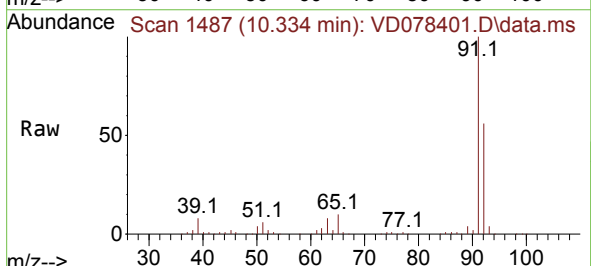
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICCC050

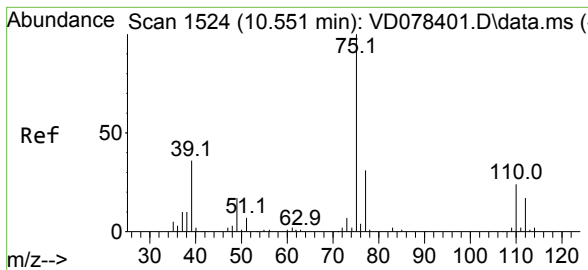
Tgt Ion: 43 Resp: 221659  
Ion Ratio Lower Upper  
43 100  
58 43.5 38.9 58.3



#52  
Toluene  
Concen: 47.271 ug/l  
RT: 10.334 min Scan# 1487  
Delta R.T. 0.000 min  
Lab File: VD078401.D  
Acq: 13 Feb 2024 13:30

Tgt Ion: 92 Resp: 247462  
Ion Ratio Lower Upper  
92 100  
91 176.6 143.0 214.4

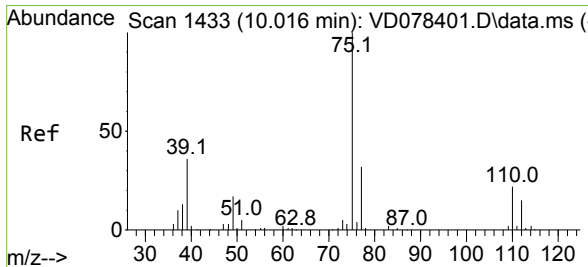
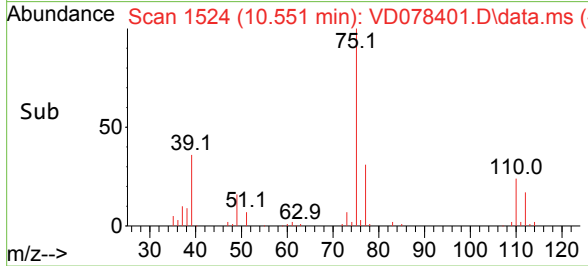
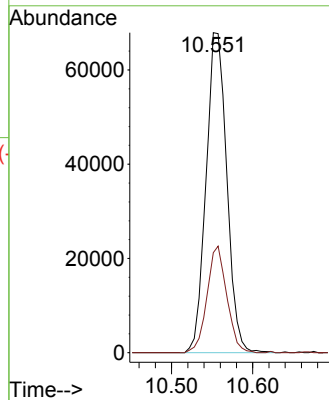
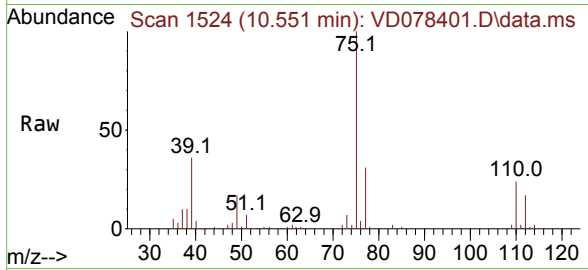




#53  
t-1,3-Dichloropropene  
Concen: 46.700 ug/l  
RT: 10.551 min Scan# 1524  
Delta R.T. 0.000 min  
Lab File: VD078401.D  
Acq: 13 Feb 2024 13:30

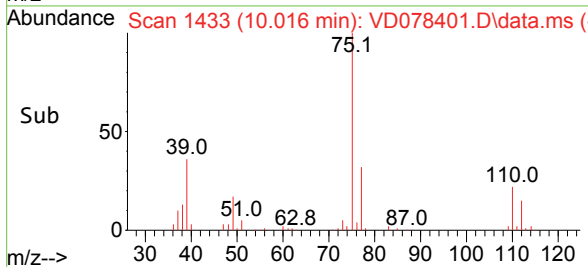
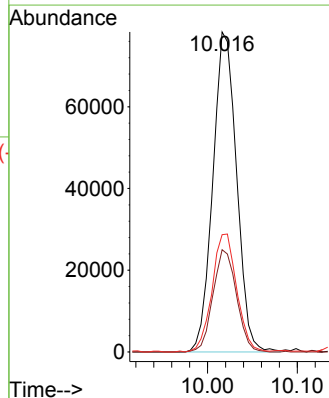
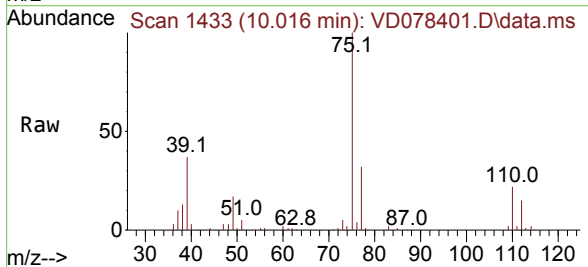
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICCC050

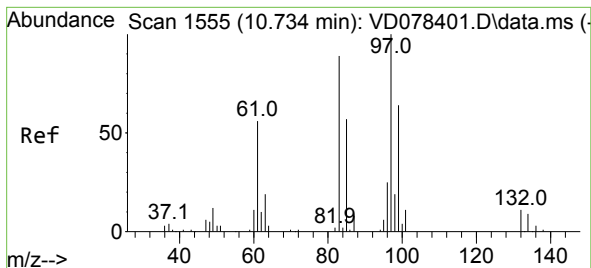
Tgt Ion: 75 Resp: 120577  
Ion Ratio Lower Upper  
75 100  
77 31.2 25.3 37.9



#54  
cis-1,3-Dichloropropene  
Concen: 46.026 ug/l  
RT: 10.016 min Scan# 1433  
Delta R.T. 0.000 min  
Lab File: VD078401.D  
Acq: 13 Feb 2024 13:30

Tgt Ion: 75 Resp: 144098  
Ion Ratio Lower Upper  
75 100  
77 31.9 25.5 38.3  
39 36.4 22.1 33.1#





#55

1,1,2-Trichloroethane

Concen: 45.160 ug/l

RT: 10.734 min Scan# 1555

Delta R.T. 0.000 min

Lab File: VD078401.D

Acq: 13 Feb 2024 13:30

Instrument :

MSVOA\_D

ClientSampleId :

VSTDICCC050

Tgt Ion: 97 Resp: 69478

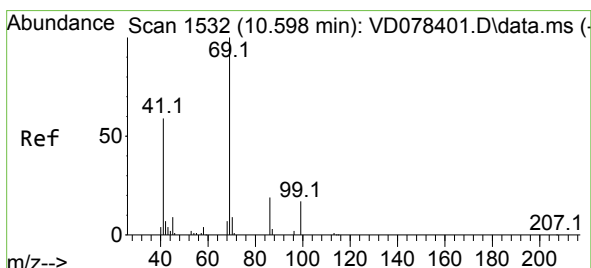
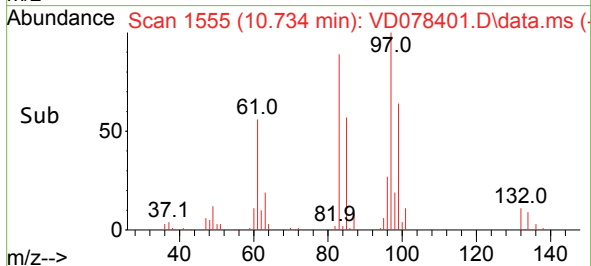
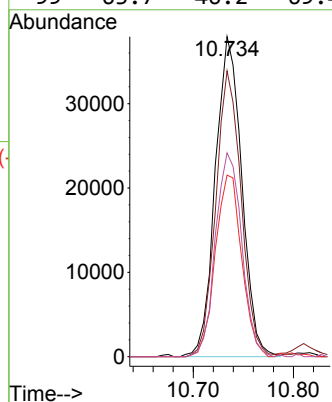
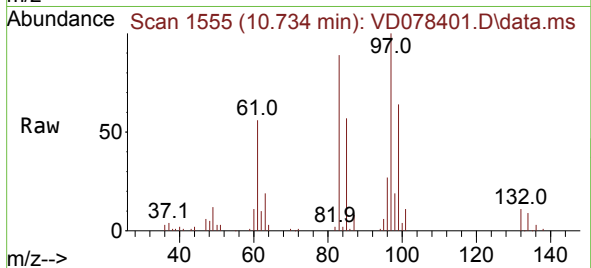
Ion Ratio Lower Upper

97 100

83 89.3 65.8 98.6

85 56.7 45.7 68.5

99 63.7 46.2 69.4



#56

Ethyl methacrylate

Concen: 39.432 ug/l

RT: 10.598 min Scan# 1532

Delta R.T. 0.000 min

Lab File: VD078401.D

Acq: 13 Feb 2024 13:30

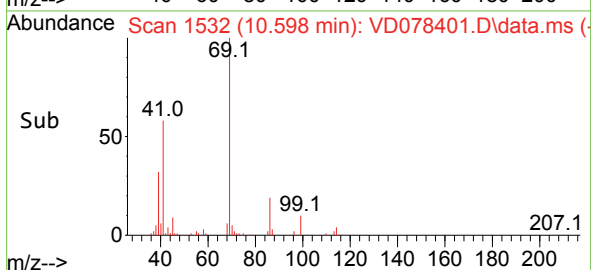
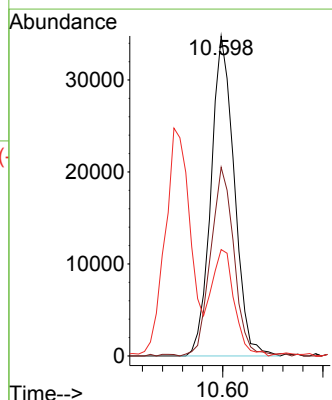
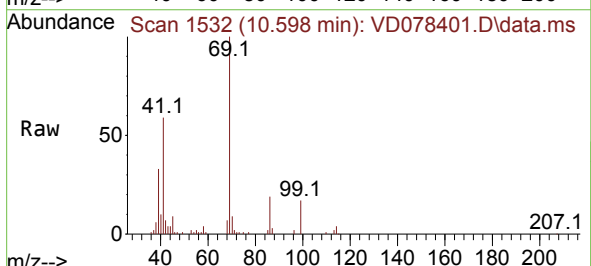
Tgt Ion: 69 Resp: 56107

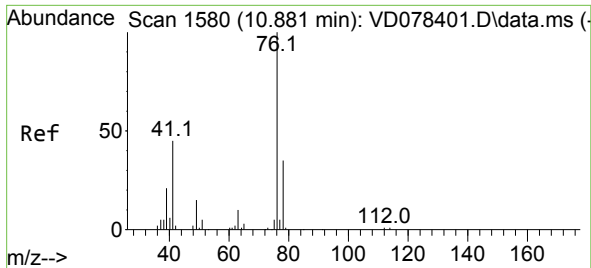
Ion Ratio Lower Upper

69 100

41 59.6 39.1 58.7#

39 32.4 20.0 30.0#

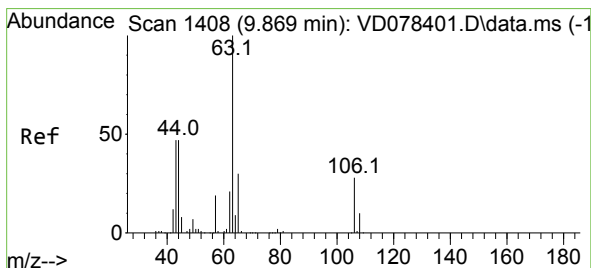
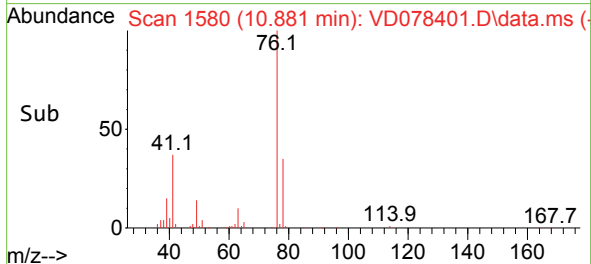
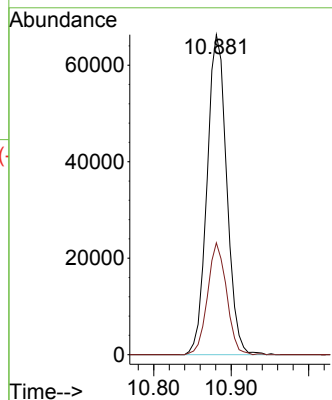
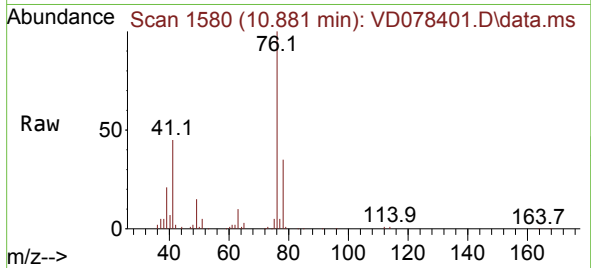




#57  
1,3-Dichloropropane  
Concen: 44.757 ug/l  
RT: 10.881 min Scan# 1580  
Delta R.T. 0.000 min  
Lab File: VD078401.D  
Acq: 13 Feb 2024 13:30

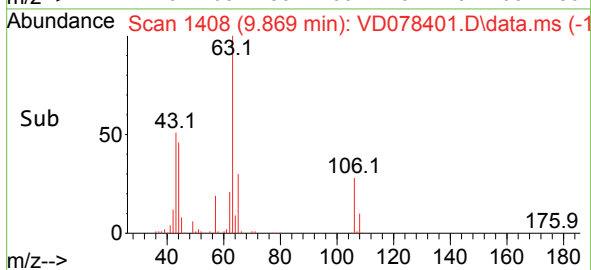
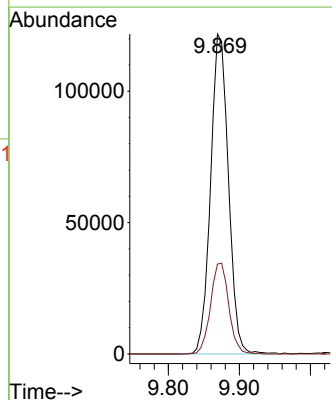
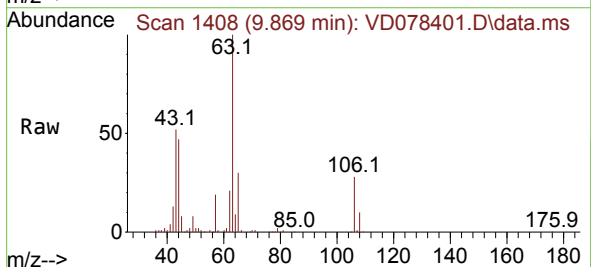
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICCC050

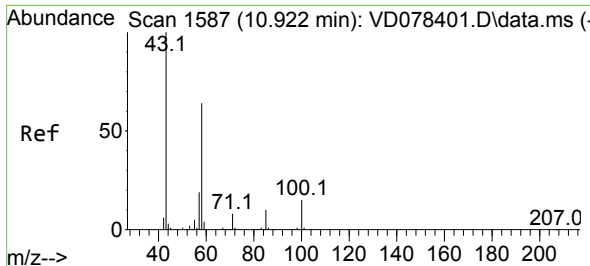
Tgt Ion: 76 Resp: 117133  
Ion Ratio Lower Upper  
76 100  
78 33.8 26.4 39.6



#58  
2-Chloroethyl Vinyl ether  
Concen: 253.478 ug/l  
RT: 9.869 min Scan# 1408  
Delta R.T. 0.000 min  
Lab File: VD078401.D  
Acq: 13 Feb 2024 13:30

Tgt Ion: 63 Resp: 212451  
Ion Ratio Lower Upper  
63 100  
106 28.9 25.3 37.9

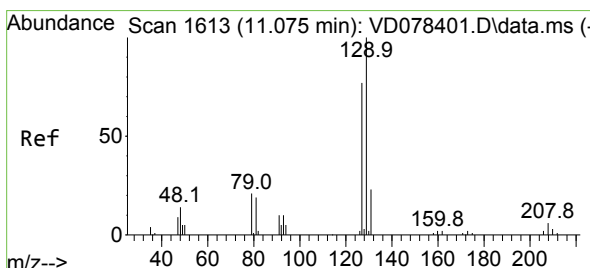
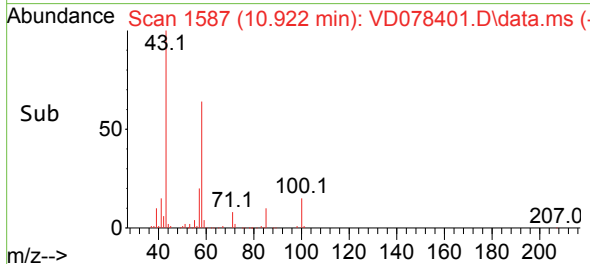
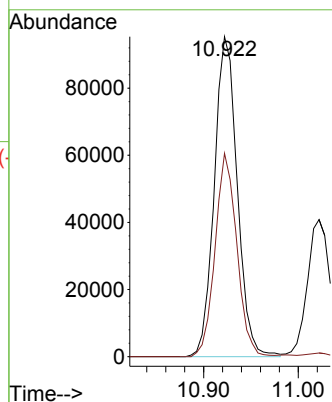
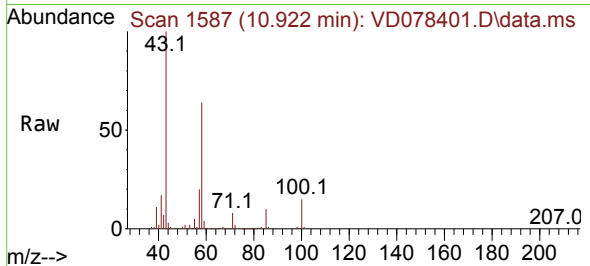




#59  
2-Hexanone  
Concen: 216.402 ug/l  
RT: 10.922 min Scan# 1587  
Delta R.T. 0.000 min  
Lab File: VD078401.D  
Acq: 13 Feb 2024 13:30

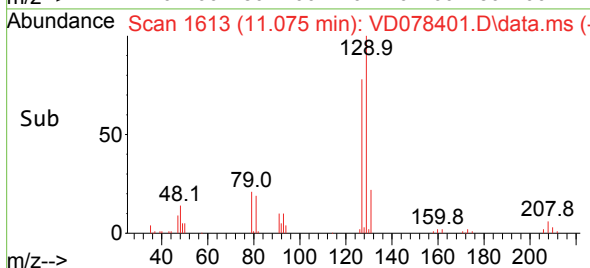
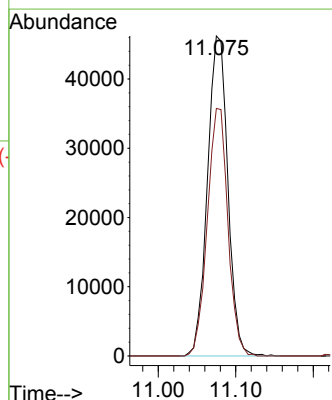
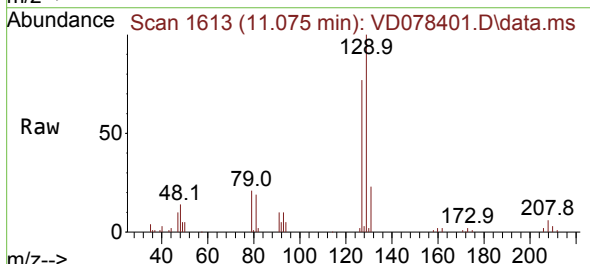
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICCC050

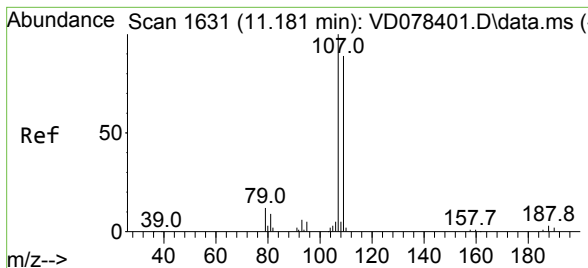
Tgt Ion: 43 Resp: 160467  
Ion Ratio Lower Upper  
43 100  
58 60.2 34.1 102.2



#60  
Dibromochloromethane  
Concen: 45.639 ug/l  
RT: 11.075 min Scan# 1613  
Delta R.T. 0.000 min  
Lab File: VD078401.D  
Acq: 13 Feb 2024 13:30

Tgt Ion: 129 Resp: 84482  
Ion Ratio Lower Upper  
129 100  
127 77.8 37.1 111.5

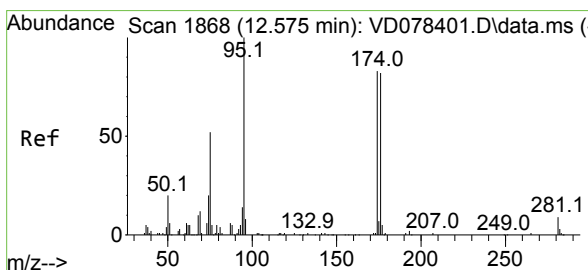
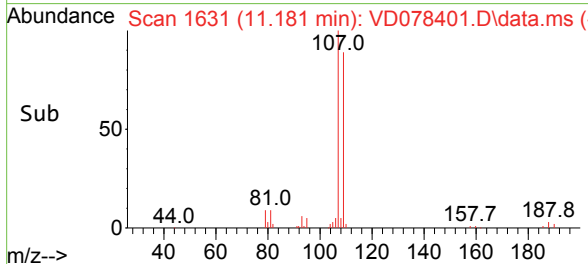
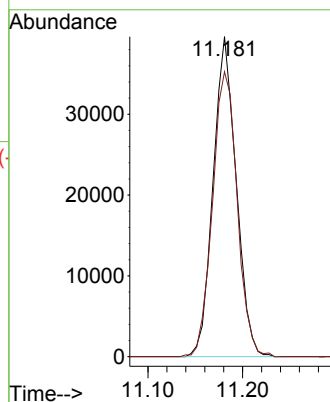
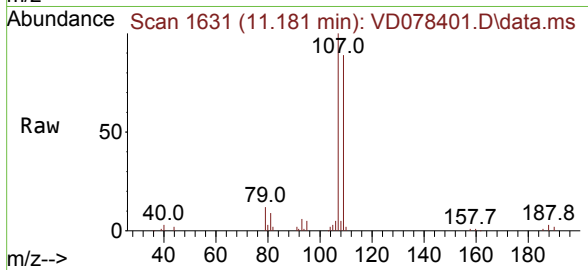




#61  
1,2-Dibromoethane  
Concen: 46.318 ug/l  
RT: 11.181 min Scan# 1631  
Delta R.T. 0.000 min  
Lab File: VD078401.D  
Acq: 13 Feb 2024 13:30

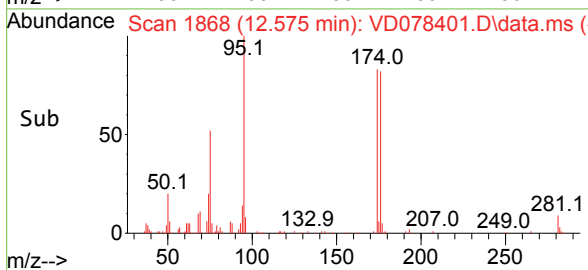
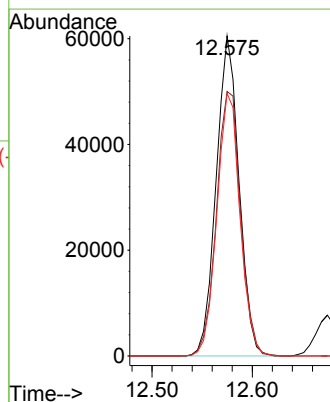
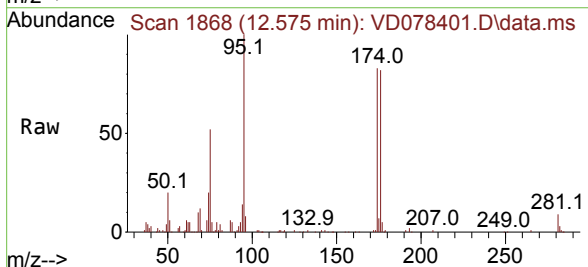
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICCC050

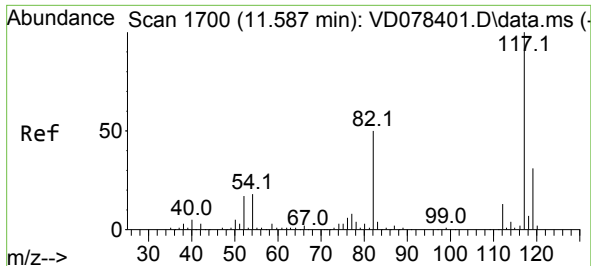
Tgt Ion:107 Resp: 66899  
Ion Ratio Lower Upper  
107 100  
109 95.3 75.6 113.4



#62  
4-Bromofluorobenzene  
Concen: 44.616 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. 0.000 min  
Lab File: VD078401.D  
Acq: 13 Feb 2024 13:30

Tgt Ion: 95 Resp: 95752  
Ion Ratio Lower Upper  
95 100  
174 87.6 0.0 201.8  
176 83.0 0.0 191.8

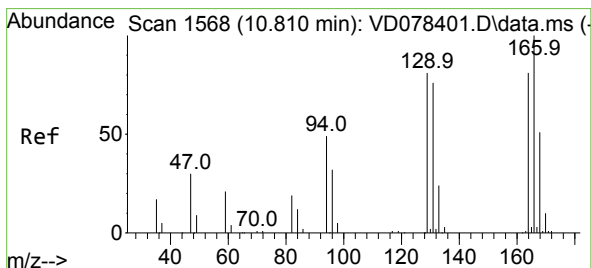
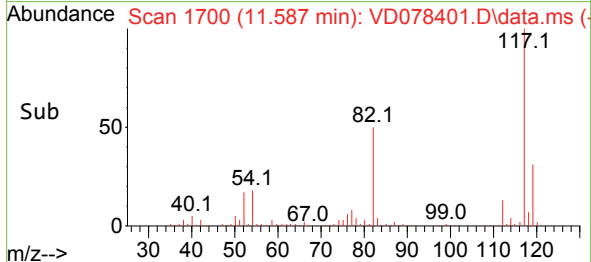
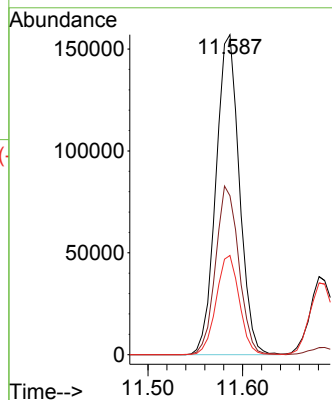
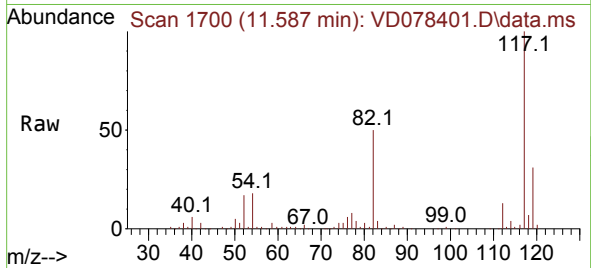




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.587 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VD078401.D  
Acq: 13 Feb 2024 13:30

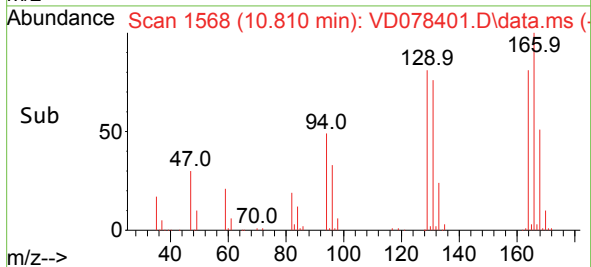
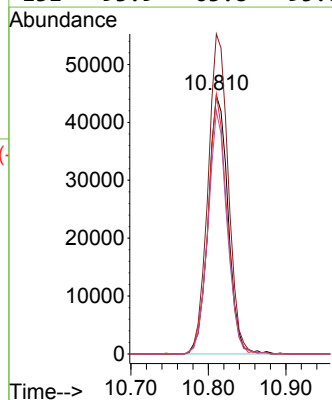
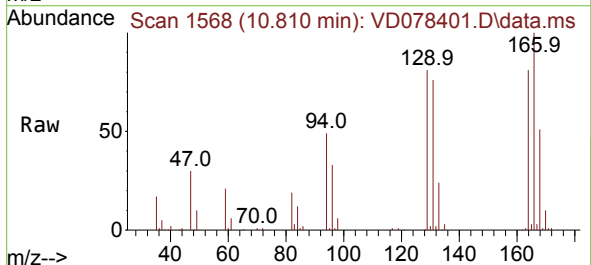
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICCC050

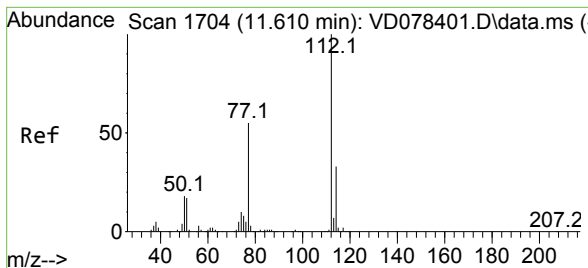
Tgt Ion:117 Resp: 270342  
Ion Ratio Lower Upper  
117 100  
82 49.6 38.3 57.5  
119 31.0 25.0 37.4



#64  
Tetrachloroethene  
Concen: 46.712 ug/l  
RT: 10.810 min Scan# 1568  
Delta R.T. 0.000 min  
Lab File: VD078401.D  
Acq: 13 Feb 2024 13:30

Tgt Ion:164 Resp: 79763  
Ion Ratio Lower Upper  
164 100  
166 123.7 99.2 148.8  
129 100.4 68.4 102.6  
131 93.9 63.8 95.8

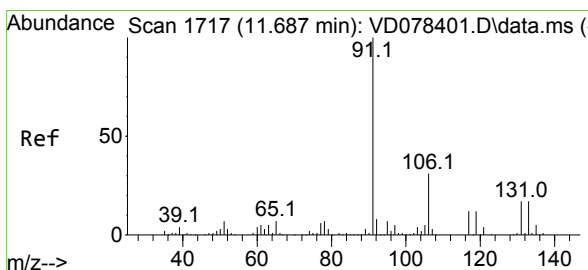
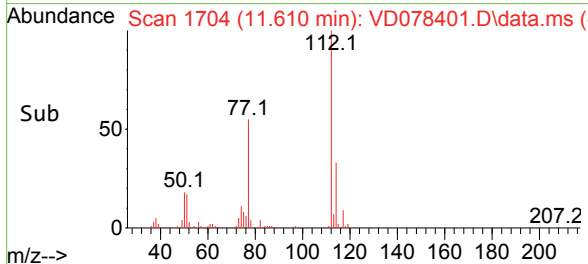
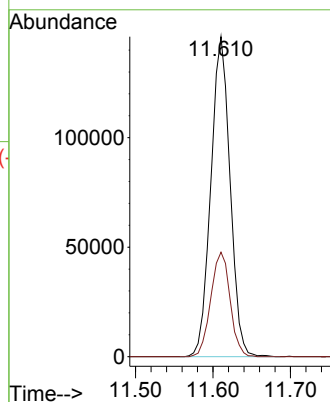
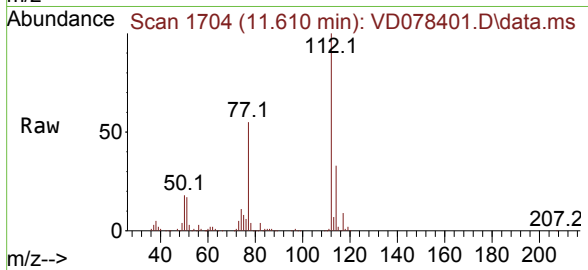




#65  
Chlorobenzene  
Concen: 46.313 ug/l  
RT: 11.610 min Scan# 1704  
Delta R.T. 0.000 min  
Lab File: VD078401.D  
Acq: 13 Feb 2024 13:30

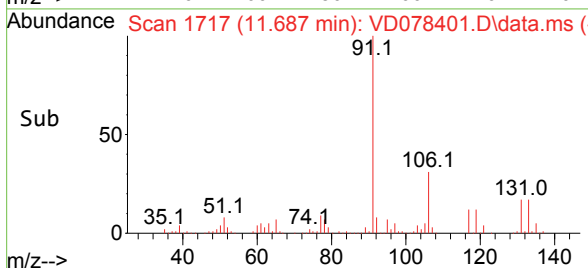
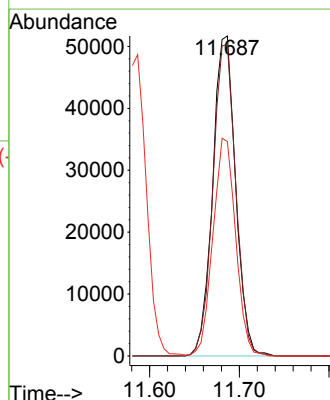
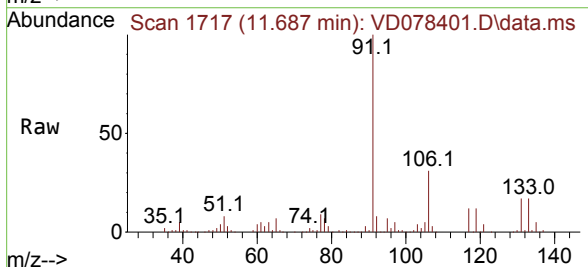
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICCC050

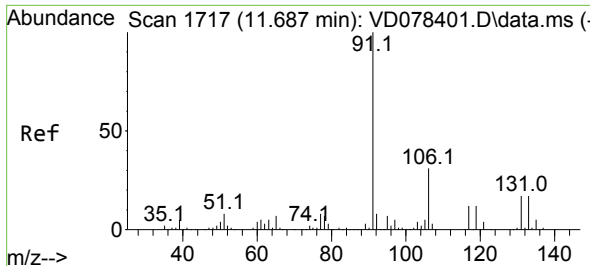
Tgt Ion:112 Resp: 251706  
Ion Ratio Lower Upper  
112 100  
114 32.7 25.1 37.7



#66  
1,1,1,2-Tetrachloroethane  
Concen: 45.918 ug/l  
RT: 11.687 min Scan# 1717  
Delta R.T. 0.000 min  
Lab File: VD078401.D  
Acq: 13 Feb 2024 13:30

Tgt Ion:131 Resp: 91712  
Ion Ratio Lower Upper  
131 100  
133 97.3 48.5 145.5  
119 67.4 35.6 106.9

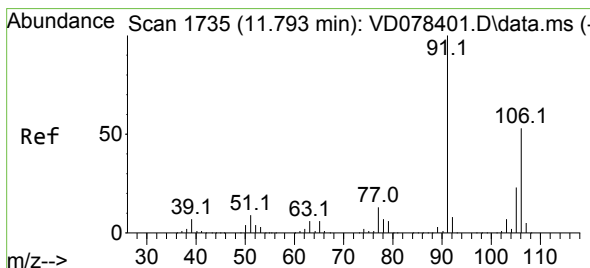
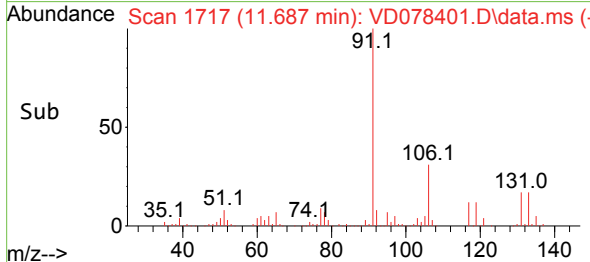
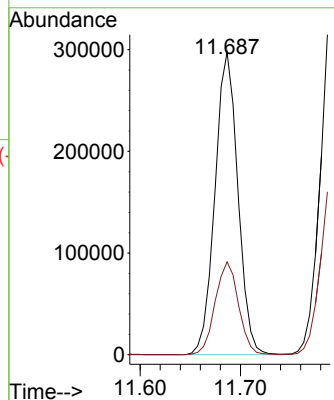
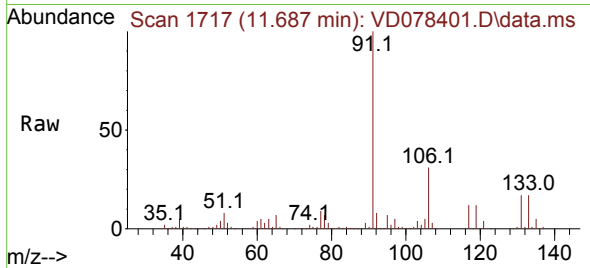




#67  
Ethyl Benzene  
Concen: 48.353 ug/l  
RT: 11.687 min Scan# 1717  
Delta R.T. 0.000 min  
Lab File: VD078401.D  
Acq: 13 Feb 2024 13:30

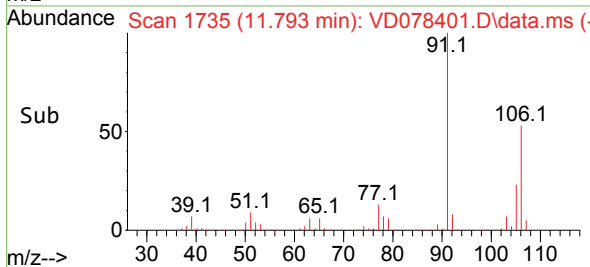
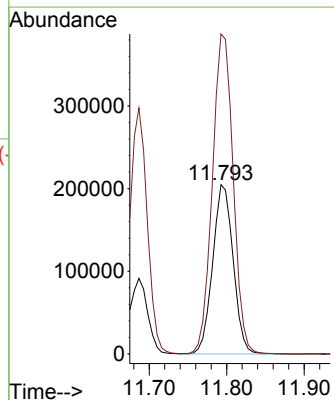
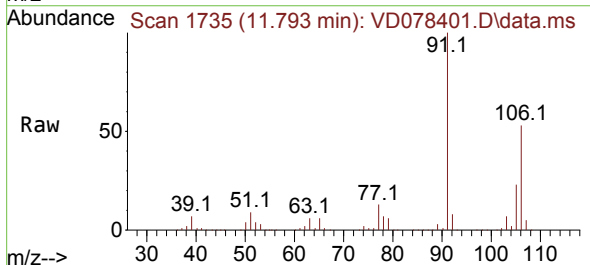
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICCC050

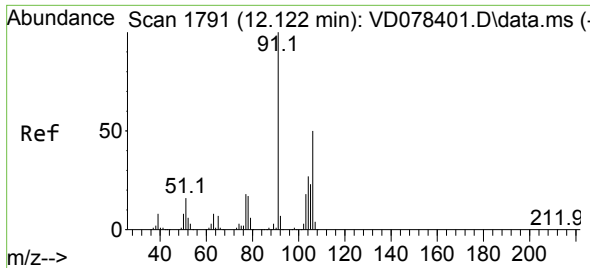
Tgt Ion: 91 Resp: 470862  
Ion Ratio Lower Upper  
91 100  
106 30.7 26.5 39.7



#68  
m/p-Xylenes  
Concen: 98.962 ug/l  
RT: 11.793 min Scan# 1735  
Delta R.T. 0.000 min  
Lab File: VD078401.D  
Acq: 13 Feb 2024 13:30

Tgt Ion:106 Resp: 375906  
Ion Ratio Lower Upper  
106 100  
91 192.6 147.0 220.6

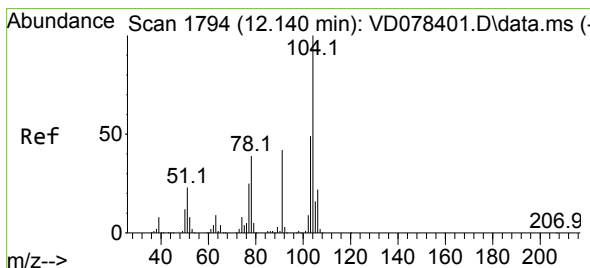
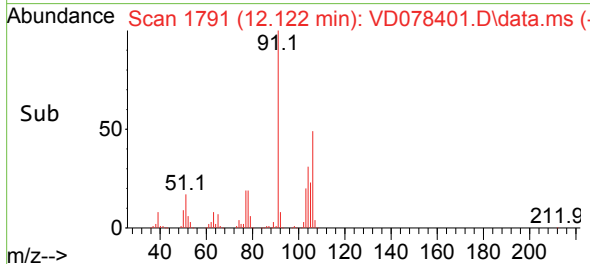
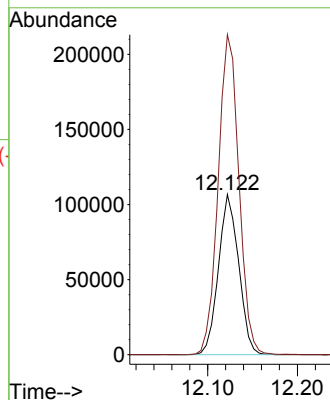
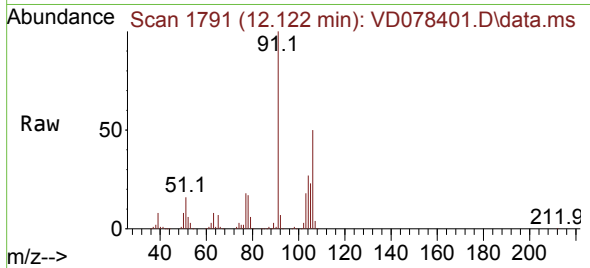




#69  
o-Xylene  
Concen: 48.259 ug/l  
RT: 12.122 min Scan# 1791  
Delta R.T. 0.000 min  
Lab File: VD078401.D  
Acq: 13 Feb 2024 13:30

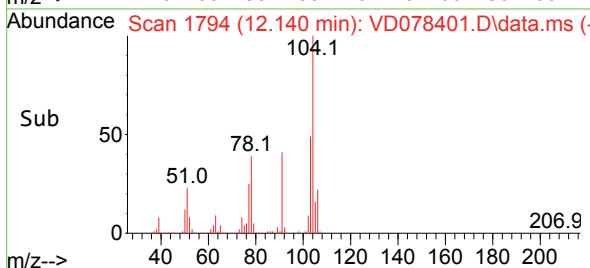
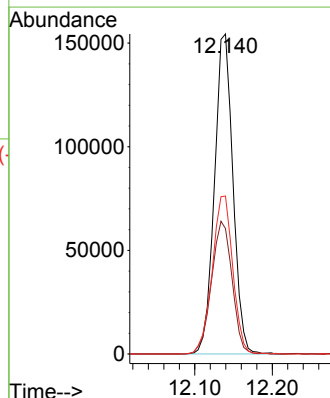
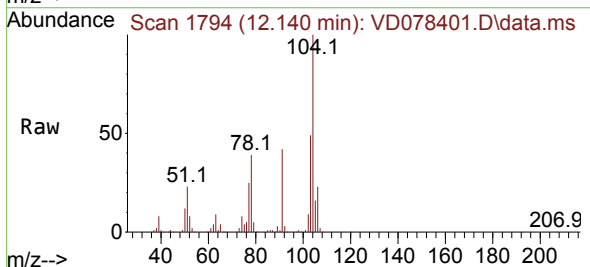
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICCC050

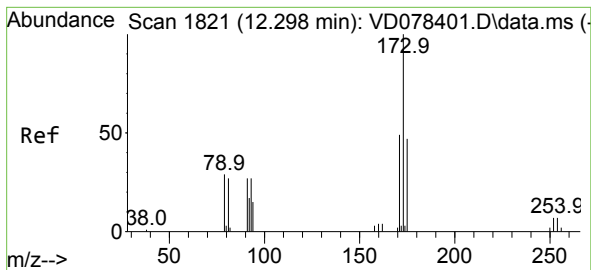
Tgt Ion:106 Resp: 167283  
Ion Ratio Lower Upper  
106 100  
91 204.8 97.9 293.6



#70  
Styrene  
Concen: 45.282 ug/l  
RT: 12.140 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VD078401.D  
Acq: 13 Feb 2024 13:30

Tgt Ion:104 Resp: 256172  
Ion Ratio Lower Upper  
104 100  
78 46.0 33.2 49.8  
103 54.8 43.6 65.4





#71

Bromoform

Concen: 43.980 ug/l

RT: 12.298 min Scan# 1821

Delta R.T. 0.000 min

Lab File: VD078401.D

Acq: 13 Feb 2024 13:30

Instrument :

MSVOA\_D

ClientSampleId :

VSTDICCC050

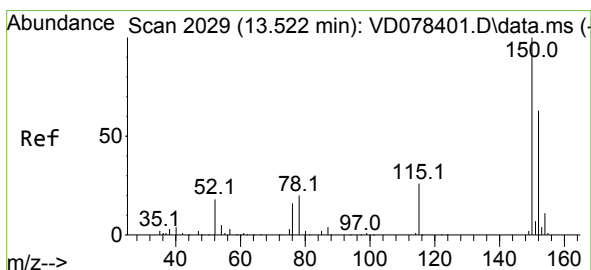
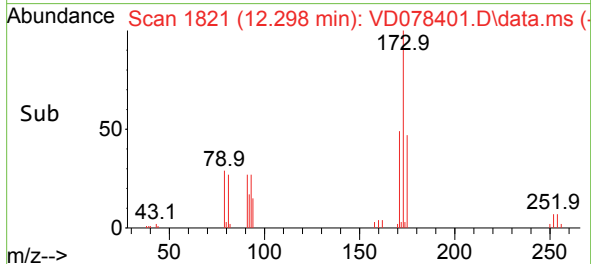
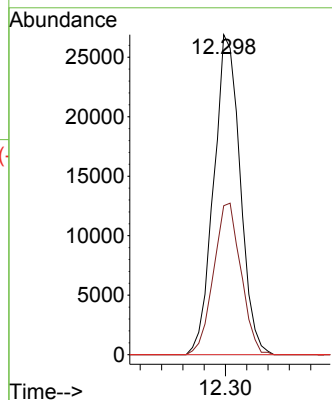
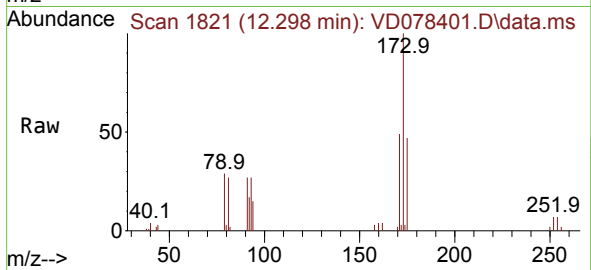
Tgt Ion:173 Resp: 46235

Ion Ratio Lower Upper

173 100

175 49.1 24.6 73.8

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.522 min Scan# 2029

Delta R.T. 0.000 min

Lab File: VD078401.D

Acq: 13 Feb 2024 13:30

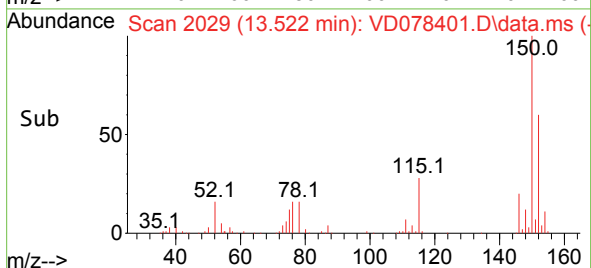
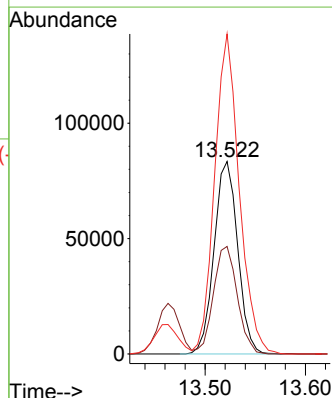
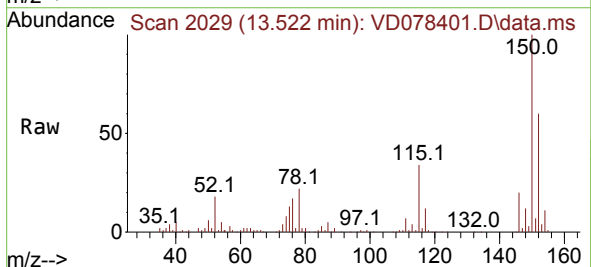
Tgt Ion:152 Resp: 136108

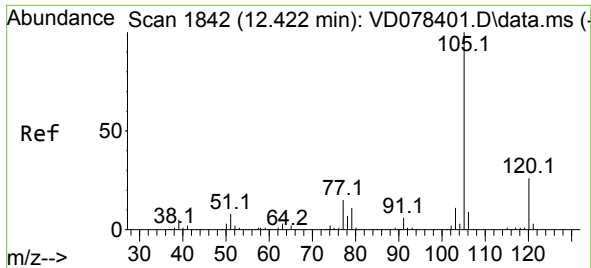
Ion Ratio Lower Upper

152 100

115 56.6 27.1 81.3

150 173.5 0.0 353.6

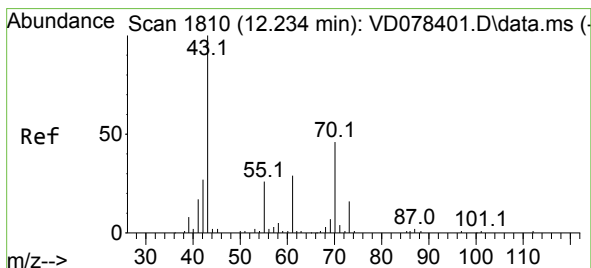
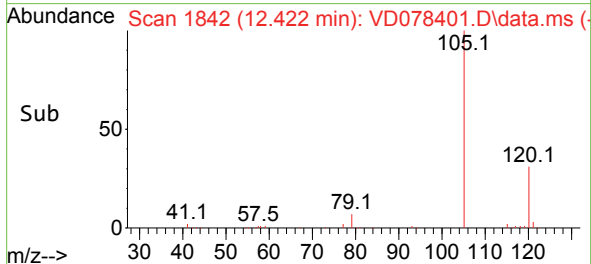
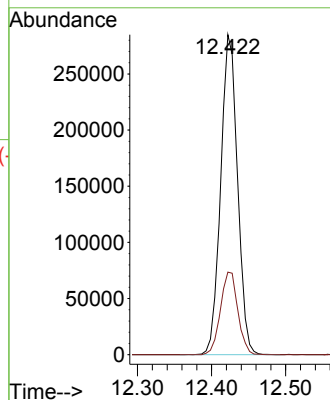
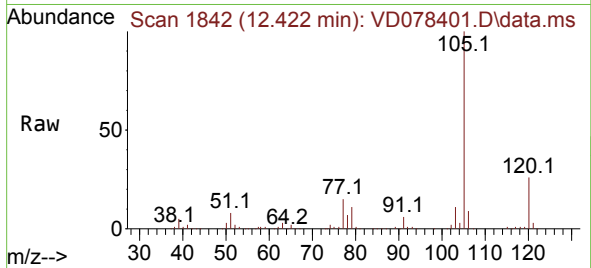




#73  
Isopropylbenzene  
Concen: 49.140 ug/l  
RT: 12.422 min Scan# 1842  
Delta R.T. 0.000 min  
Lab File: VD078401.D  
Acq: 13 Feb 2024 13:30

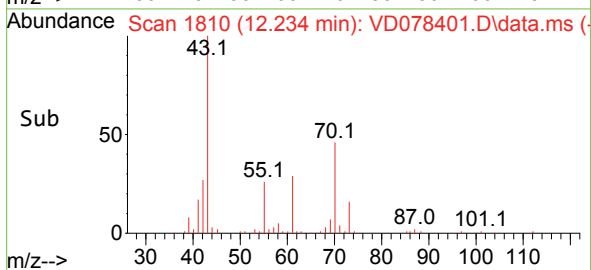
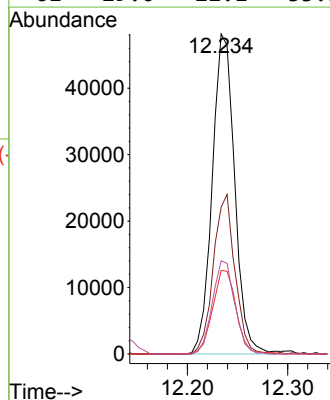
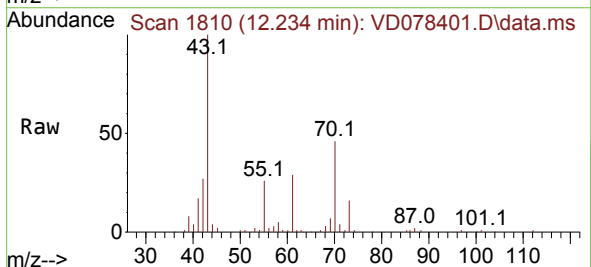
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICCC050

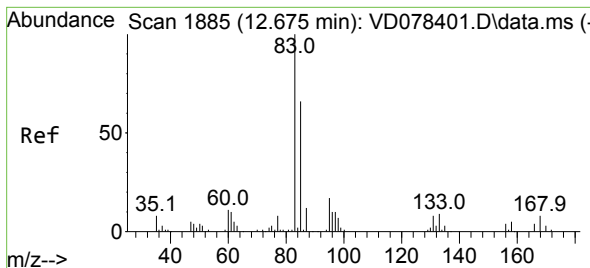
Tgt Ion:105 Resp: 449116  
Ion Ratio Lower Upper  
105 100  
120 26.6 14.3 42.9



#74  
N-ethyl acetate  
Concen: 43.369 ug/l  
RT: 12.234 min Scan# 1810  
Delta R.T. 0.000 min  
Lab File: VD078401.D  
Acq: 13 Feb 2024 13:30

Tgt Ion: 43 Resp: 74987  
Ion Ratio Lower Upper  
43 100  
70 47.9 45.0 67.4  
55 27.3 23.8 35.6  
61 29.0 22.1 33.1





#75

1,1,2,2-Tetrachloroethane

Concen: 43.326 ug/l

RT: 12.675 min Scan# 1885

Delta R.T. 0.000 min

Lab File: VD078401.D

Acq: 13 Feb 2024 13:30

Instrument :

MSVOA\_D

ClientSampleId :

VSTDICCC050

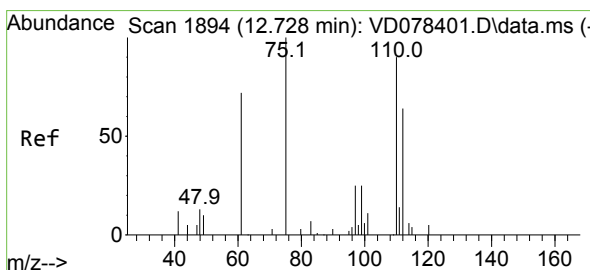
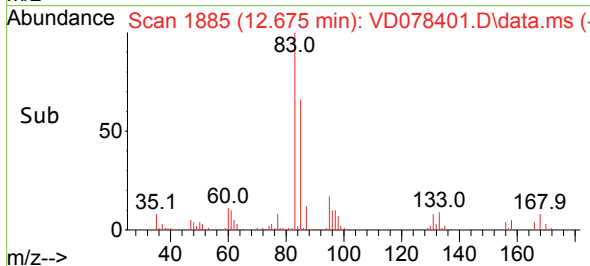
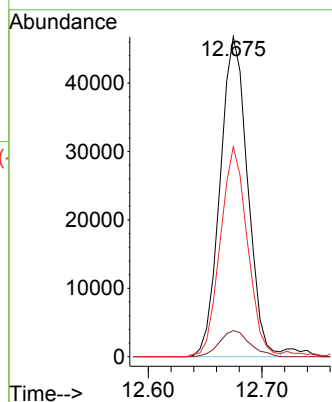
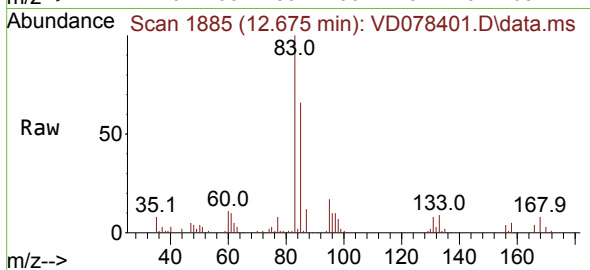
Tgt Ion: 83 Resp: 78548

Ion Ratio Lower Upper

83 100

131 9.0 5.1 15.3

85 64.8 32.6 97.8



#76

1,2,3-Trichloropropane

Concen: 81.821 ug/l

RT: 12.728 min Scan# 1894

Delta R.T. 0.000 min

Lab File: VD078401.D

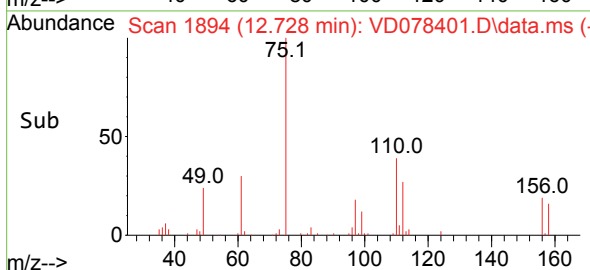
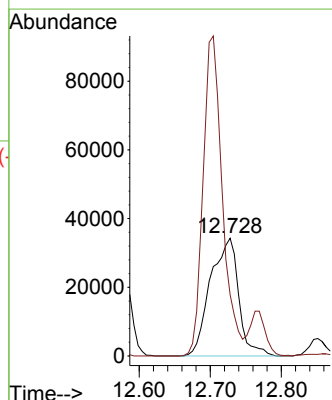
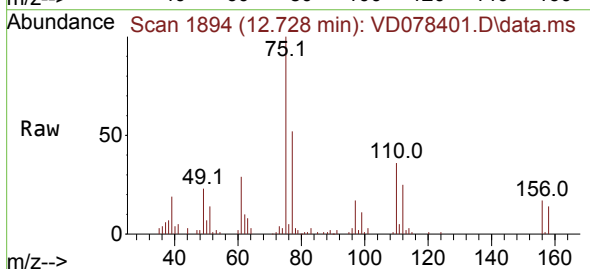
Acq: 13 Feb 2024 13:30

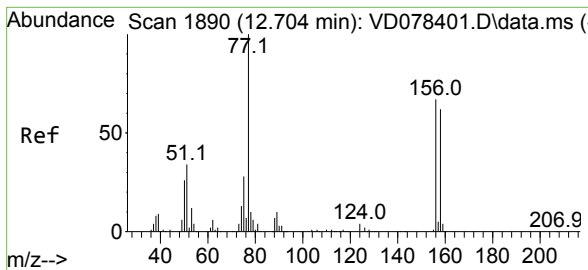
Tgt Ion: 75 Resp: 94792

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

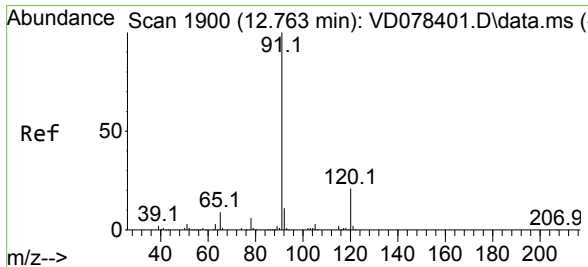
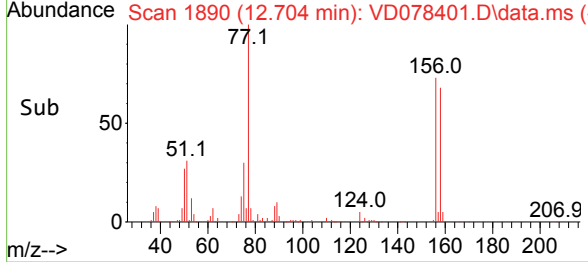
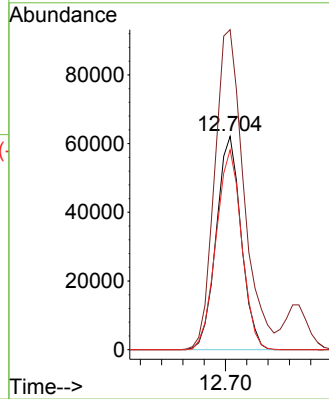
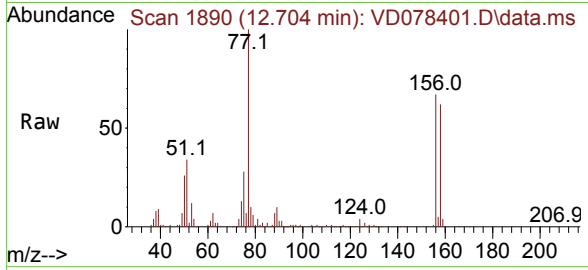




#77  
Bromobenzene  
Concen: 46.737 ug/l  
RT: 12.704 min Scan# 1890  
Delta R.T. 0.000 min  
Lab File: VD078401.D  
Acq: 13 Feb 2024 13:30

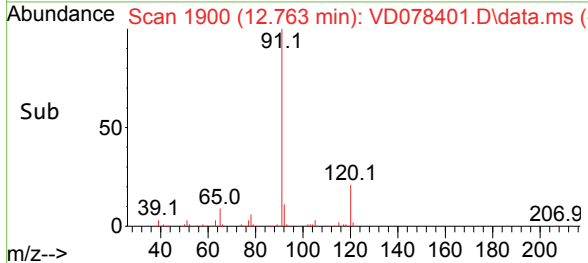
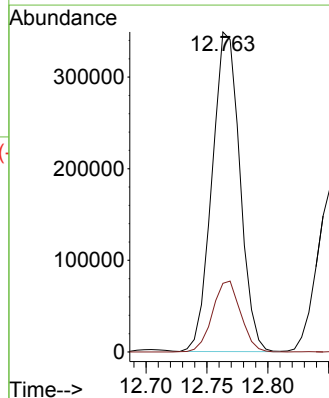
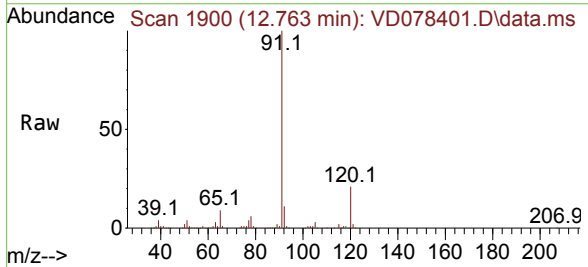
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICCC050

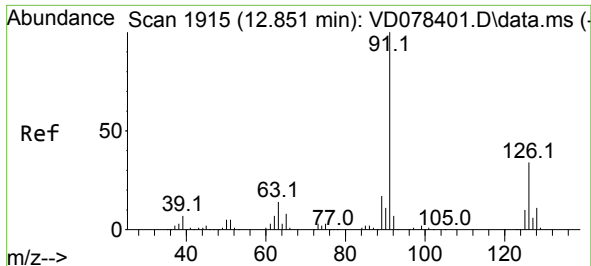
Tgt Ion:156 Resp: 100387  
Ion Ratio Lower Upper  
156 100  
77 175.8 76.8 230.4  
158 96.4 48.6 145.9



#78  
n-propylbenzene  
Concen: 48.602 ug/l  
RT: 12.763 min Scan# 1900  
Delta R.T. 0.000 min  
Lab File: VD078401.D  
Acq: 13 Feb 2024 13:30

Tgt Ion: 91 Resp: 553555  
Ion Ratio Lower Upper  
91 100  
120 22.5 12.4 37.2

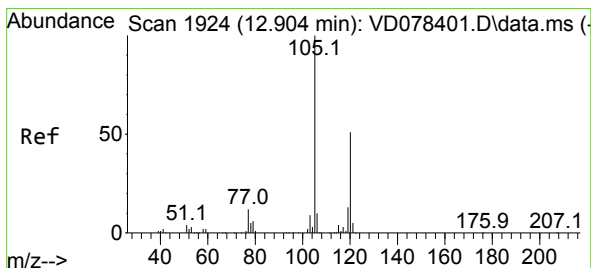
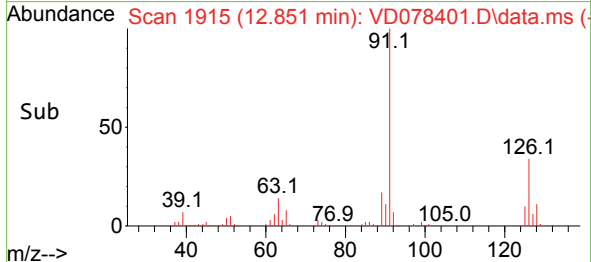
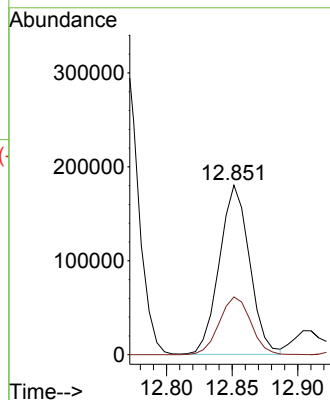
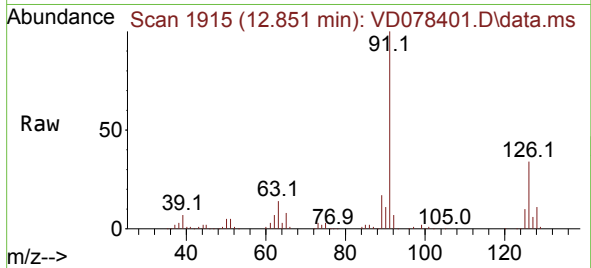




#79  
2-Chlorotoluene  
Concen: 47.374 ug/l  
RT: 12.851 min Scan# 1915  
Delta R.T. 0.000 min  
Lab File: VD078401.D  
Acq: 13 Feb 2024 13:30

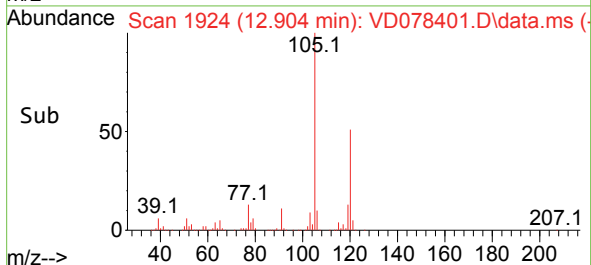
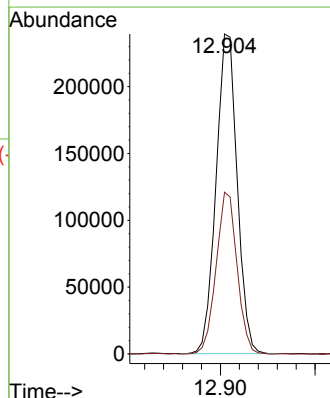
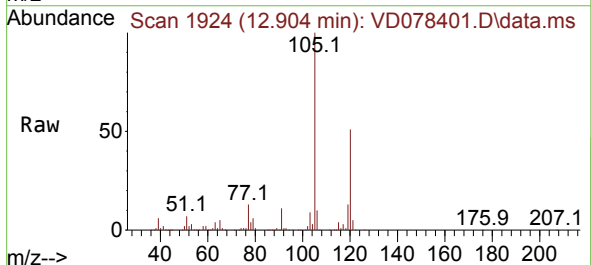
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICCC050

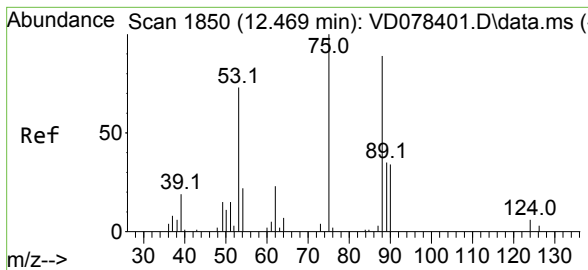
Tgt Ion: 91 Resp: 288992  
Ion Ratio Lower Upper  
91 100  
126 35.6 19.4 58.1



#80  
1,3,5-Trimethylbenzene  
Concen: 48.859 ug/l  
RT: 12.904 min Scan# 1924  
Delta R.T. 0.000 min  
Lab File: VD078401.D  
Acq: 13 Feb 2024 13:30

Tgt Ion: 105 Resp: 370796  
Ion Ratio Lower Upper  
105 100  
120 50.1 26.4 79.2

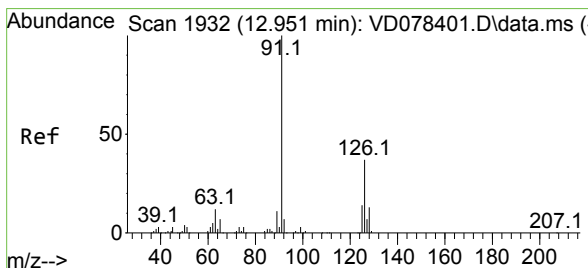
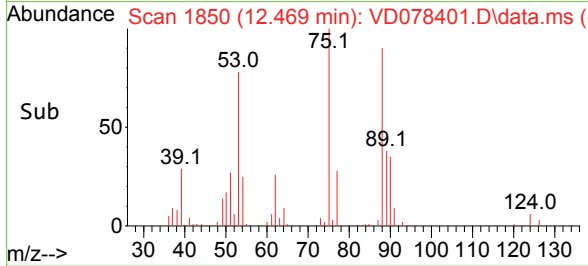
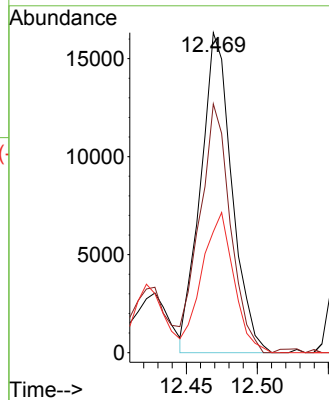
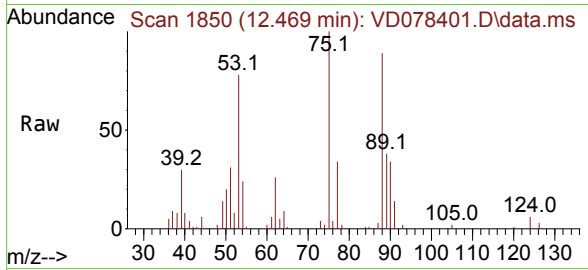




#81  
trans-1,4-Dichloro-2-butene  
Concen: 44.838 ug/l  
RT: 12.469 min Scan# 1850  
Delta R.T. 0.000 min  
Lab File: VD078401.D  
Acq: 13 Feb 2024 13:30

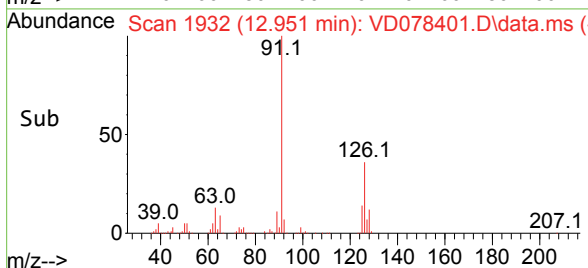
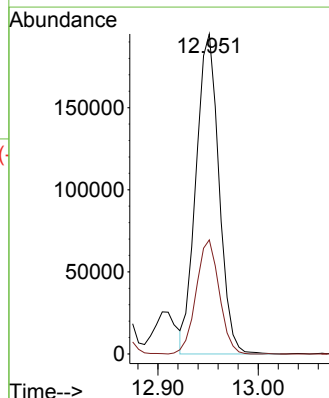
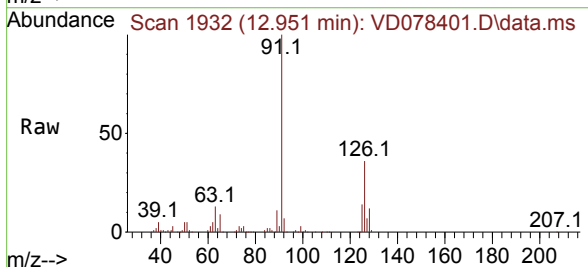
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICCC050

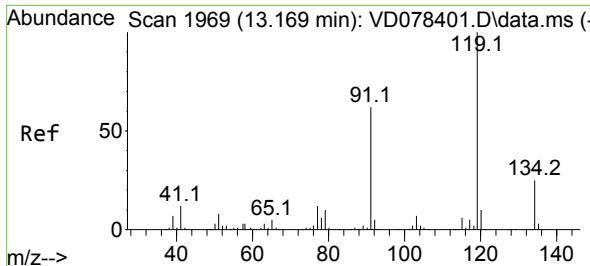
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 24957 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 76.1  | 63.0  | 94.4  |
| 89       | 44.9  | 37.9  | 56.9  |



#82  
4-Chlorotoluene  
Concen: 47.354 ug/l  
RT: 12.951 min Scan# 1932  
Delta R.T. 0.000 min  
Lab File: VD078401.D  
Acq: 13 Feb 2024 13:30

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 310254 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 126      | 35.8  | 19.4  | 58.4   |

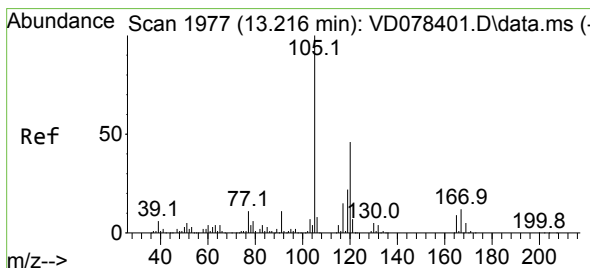
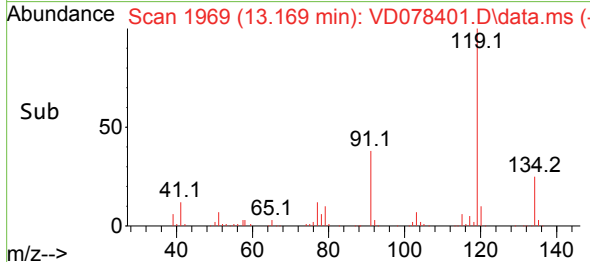
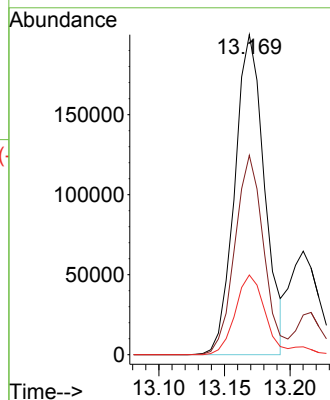
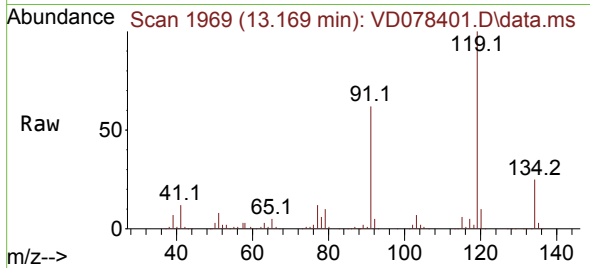




#83  
tert-Butylbenzene  
Concen: 49.415 ug/l  
RT: 13.169 min Scan# 1969  
Delta R.T. 0.000 min  
Lab File: VD078401.D  
Acq: 13 Feb 2024 13:30

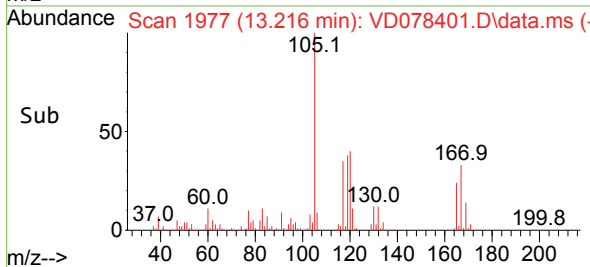
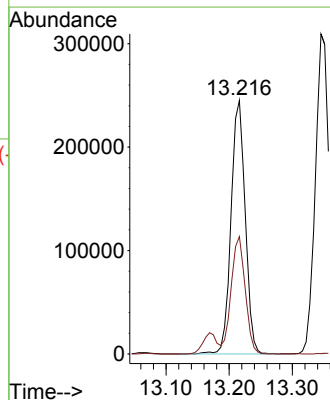
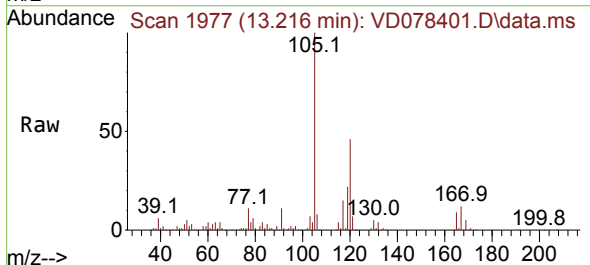
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICCC050

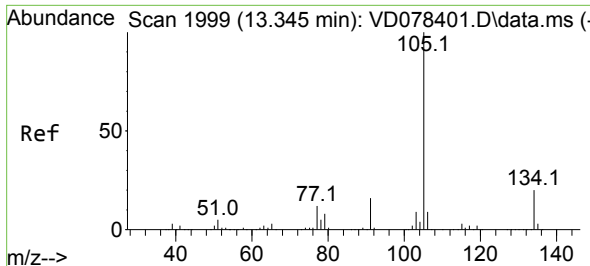
Tgt Ion:119 Resp: 316270  
Ion Ratio Lower Upper  
119 100  
91 60.8 29.3 87.8  
134 24.6 14.1 42.3



#84  
1,2,4-Trimethylbenzene  
Concen: 49.620 ug/l  
RT: 13.216 min Scan# 1977  
Delta R.T. 0.000 min  
Lab File: VD078401.D  
Acq: 13 Feb 2024 13:30

Tgt Ion:105 Resp: 382182  
Ion Ratio Lower Upper  
105 100  
120 45.8 24.3 72.9

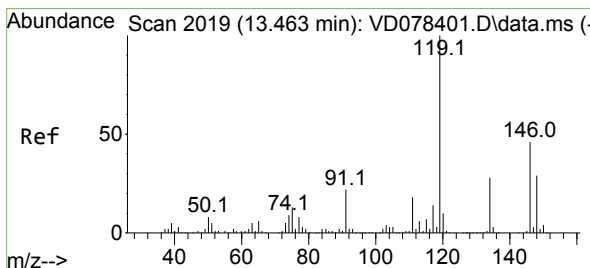
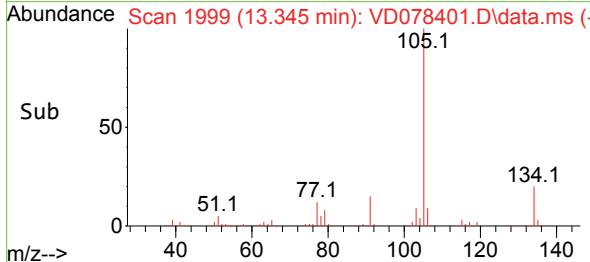
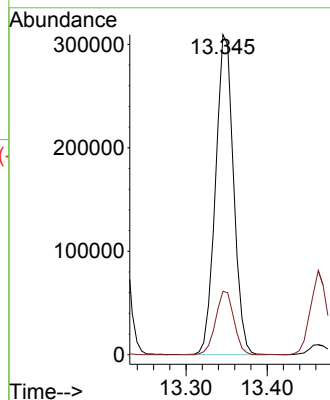
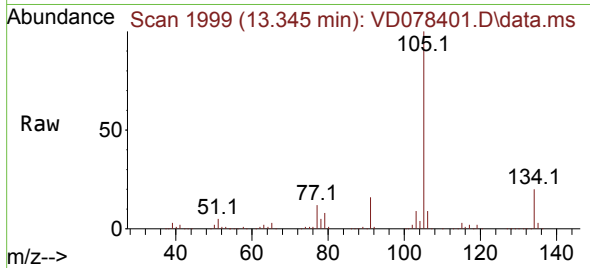




#85  
 sec-Butylbenzene  
 Concen: 48.111 ug/l  
 RT: 13.345 min Scan# 1999  
 Delta R.T. 0.000 min  
 Lab File: VD078401.D  
 Acq: 13 Feb 2024 13:30

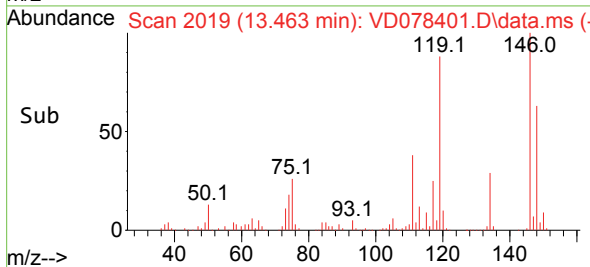
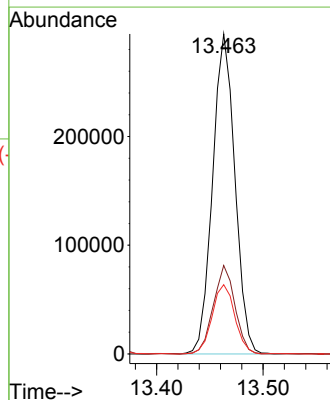
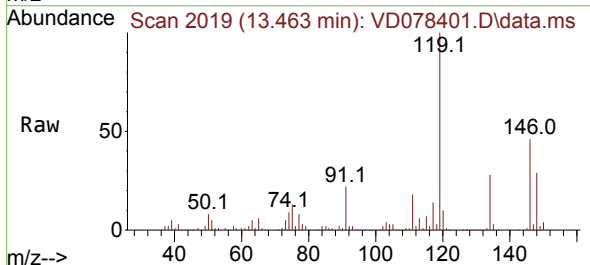
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDICCC050

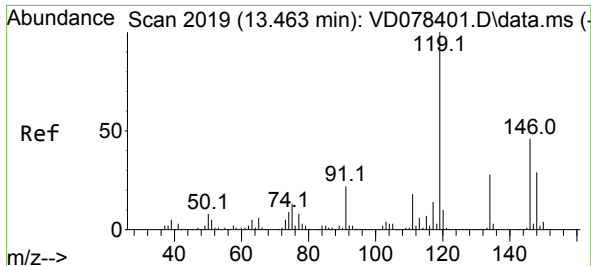
Tgt Ion:105 Resp: 477546  
 Ion Ratio Lower Upper  
 105 100  
 134 20.1 10.9 32.9



#86  
 p-Isopropyltoluene  
 Concen: 50.628 ug/l  
 RT: 13.463 min Scan# 2019  
 Delta R.T. 0.000 min  
 Lab File: VD078401.D  
 Acq: 13 Feb 2024 13:30

Tgt Ion:119 Resp: 428025  
 Ion Ratio Lower Upper  
 119 100  
 134 26.8 14.2 42.6  
 91 22.1 10.5 31.5





#87

1,3-Dichlorobenzene

Concen: 47.378 ug/l

RT: 13.463 min Scan# 2019

Delta R.T. 0.000 min

Lab File: VD078401.D

Acq: 13 Feb 2024 13:30

Instrument :

MSVOA\_D

ClientSampleId :

VSTDICCC050

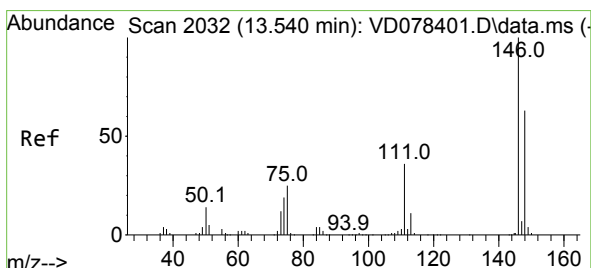
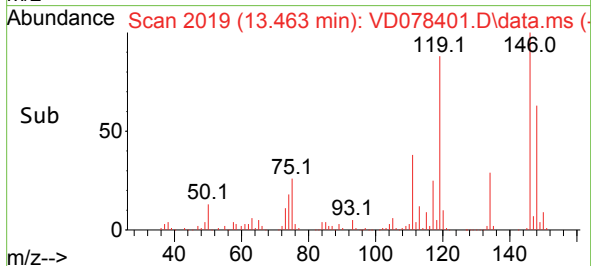
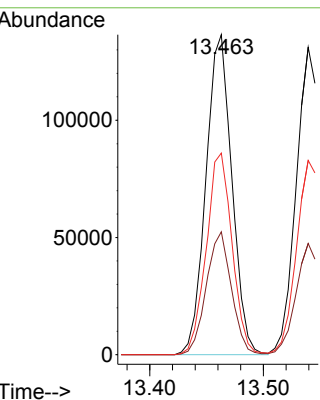
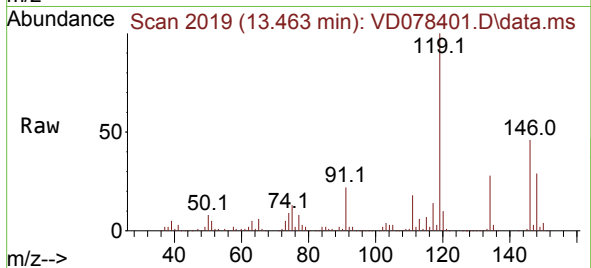
Tgt Ion:146 Resp: 217193

Ion Ratio Lower Upper

146 100

111 37.1 17.9 53.8

148 62.7 32.3 96.8



#88

1,4-Dichlorobenzene

Concen: 46.527 ug/l

RT: 13.540 min Scan# 2032

Delta R.T. 0.000 min

Lab File: VD078401.D

Acq: 13 Feb 2024 13:30

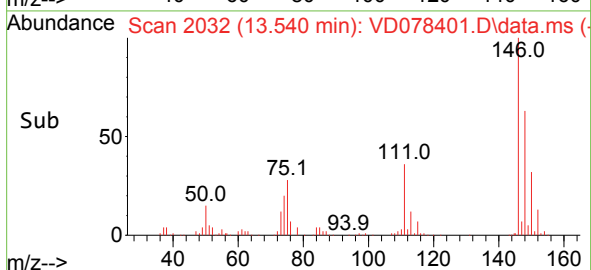
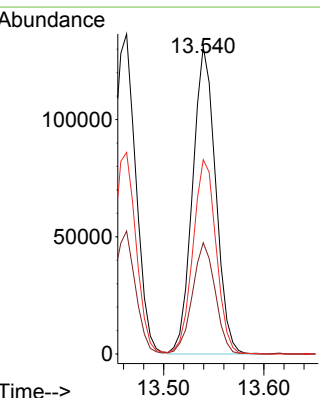
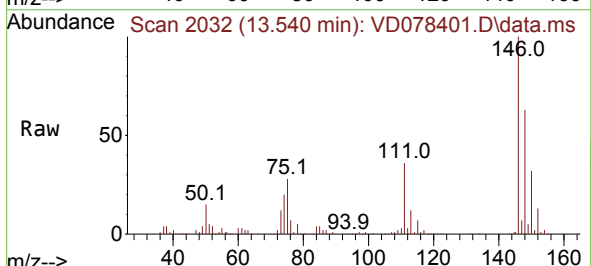
Tgt Ion:146 Resp: 209576

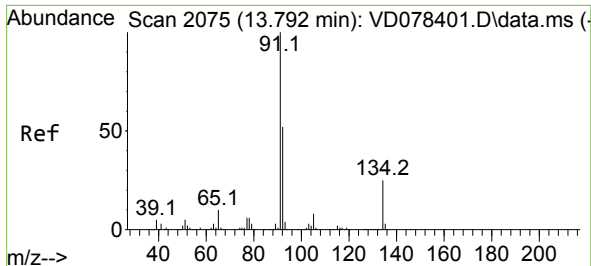
Ion Ratio Lower Upper

146 100

111 36.0 17.4 52.3

148 63.8 31.7 95.1

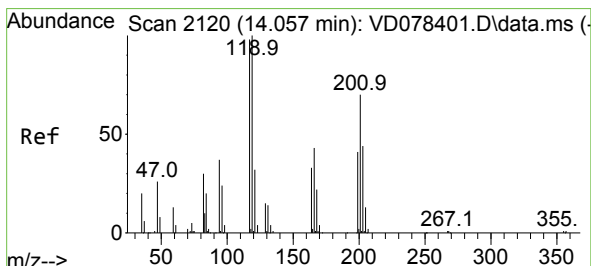
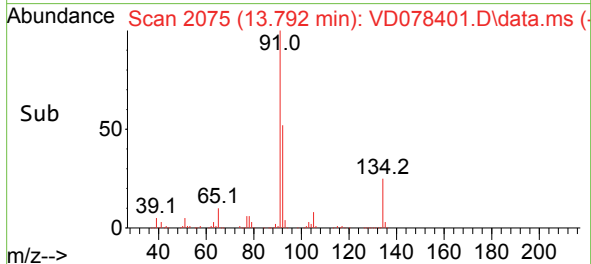
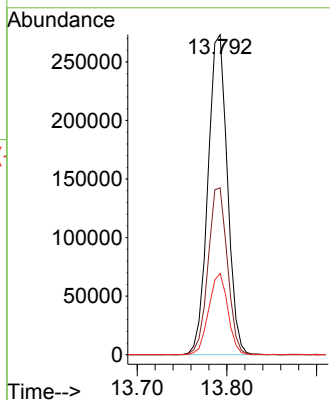
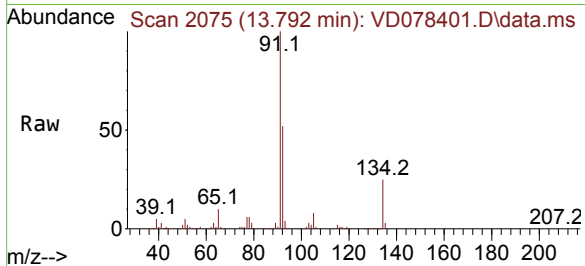




#89  
n-Butylbenzene  
Concen: 50.414 ug/l  
RT: 13.792 min Scan# 2075  
Delta R.T. 0.000 min  
Lab File: VD078401.D  
Acq: 13 Feb 2024 13:30

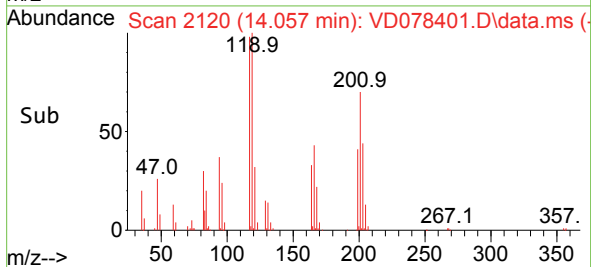
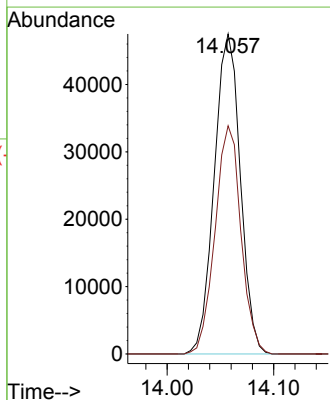
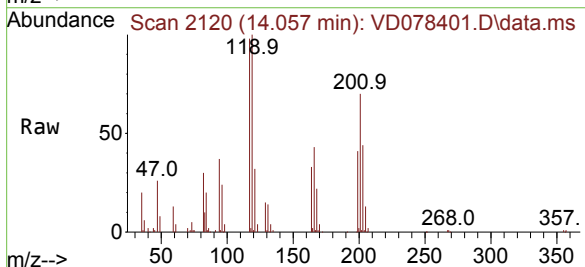
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICCC050

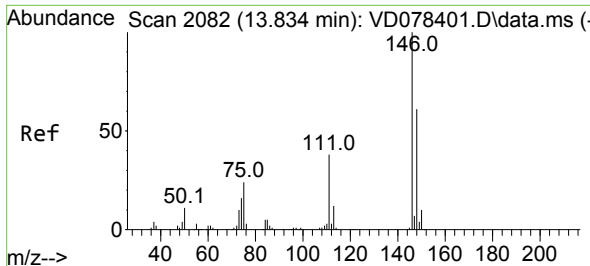
Tgt Ion: 91 Resp: 410812  
Ion Ratio Lower Upper  
91 100  
92 52.0 26.5 79.5  
134 25.0 13.8 41.3



#90  
Hexachloroethane  
Concen: 46.427 ug/l  
RT: 14.057 min Scan# 2120  
Delta R.T. 0.000 min  
Lab File: VD078401.D  
Acq: 13 Feb 2024 13:30

Tgt Ion: 117 Resp: 80674  
Ion Ratio Lower Upper  
117 100  
201 70.8 38.5 115.5

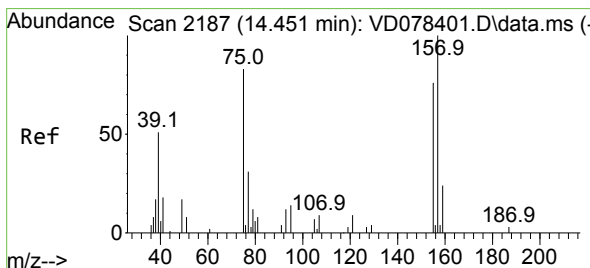
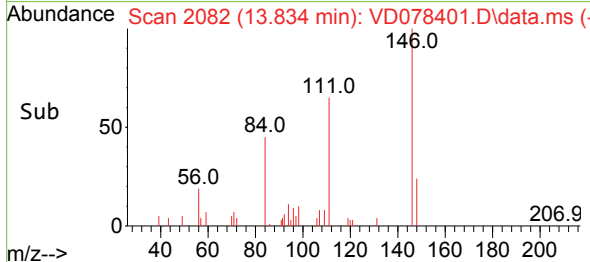
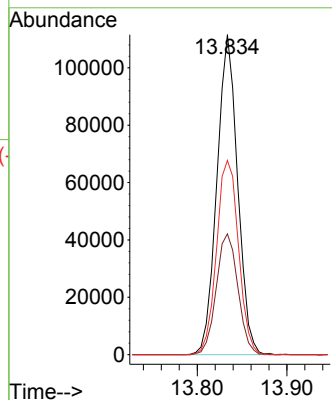
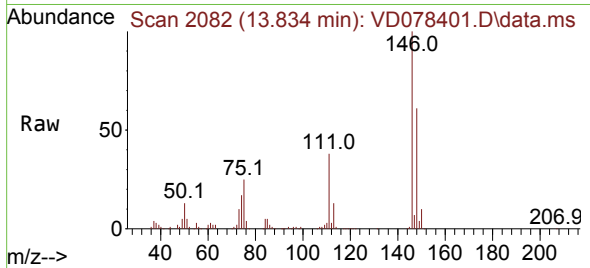




#91  
1,2-Dichlorobenzene  
Concen: 46.443 ug/l  
RT: 13.834 min Scan# 2082  
Delta R.T. 0.000 min  
Lab File: VD078401.D  
Acq: 13 Feb 2024 13:30

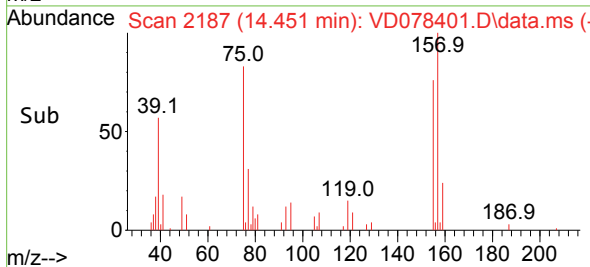
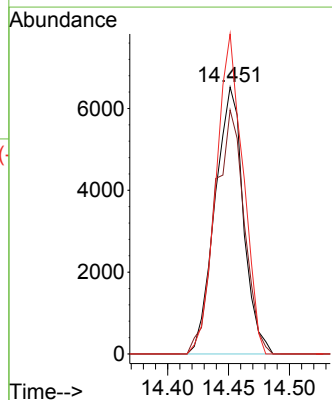
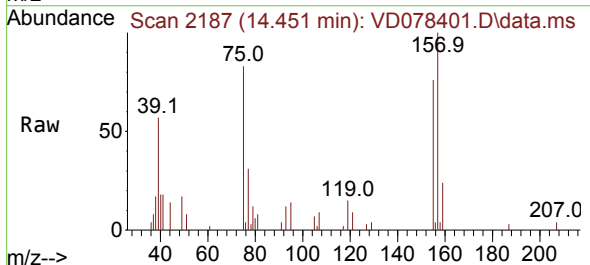
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICCC050

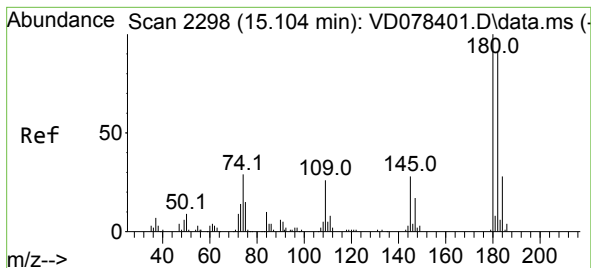
Tgt Ion:146 Resp: 178788  
Ion Ratio Lower Upper  
146 100  
111 39.5 18.3 54.8  
148 64.4 31.6 94.7



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 44.573 ug/l  
RT: 14.451 min Scan# 2187  
Delta R.T. 0.000 min  
Lab File: VD078401.D  
Acq: 13 Feb 2024 13:30

Tgt Ion: 75 Resp: 10581  
Ion Ratio Lower Upper  
75 100  
155 94.9 47.9 143.8  
157 114.2 59.9 179.7





#93

1,2,4-Trichlorobenzene

Concen: 48.051 ug/l

RT: 15.104 min Scan# 2298

Delta R.T. 0.000 min

Lab File: VD078401.D

Acq: 13 Feb 2024 13:30

Instrument :

MSVOA\_D

ClientSampleId :

VSTDICCC050

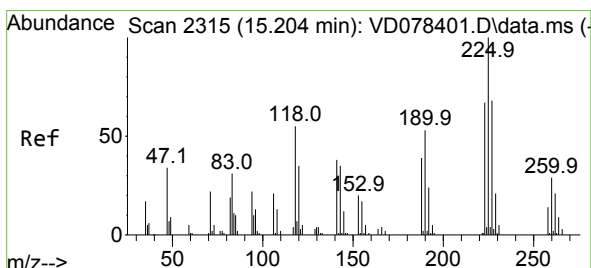
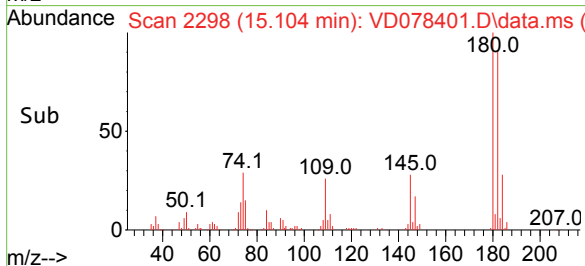
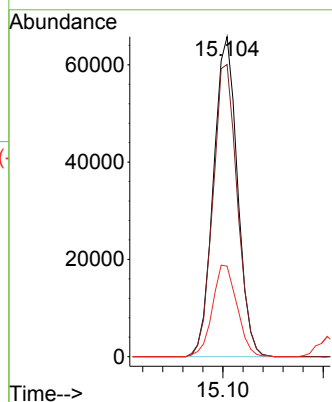
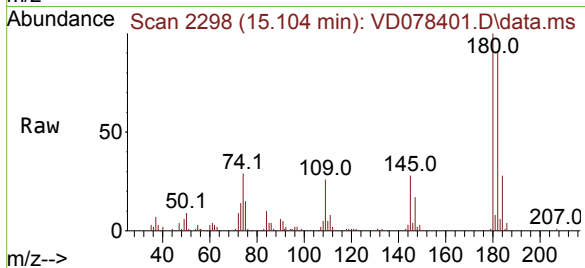
Tgt Ion:180 Resp: 108712

Ion Ratio Lower Upper

180 100

182 93.3 48.5 145.6

145 29.5 14.2 42.6



#94

Hexachlorobutadiene

Concen: 48.613 ug/l

RT: 15.204 min Scan# 2315

Delta R.T. 0.000 min

Lab File: VD078401.D

Acq: 13 Feb 2024 13:30

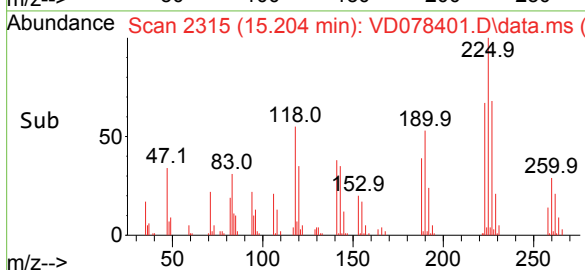
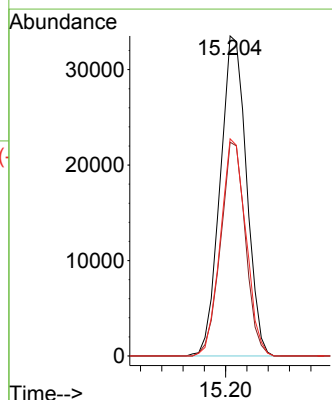
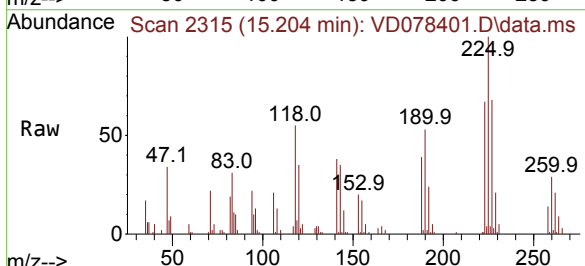
Tgt Ion:225 Resp: 57407

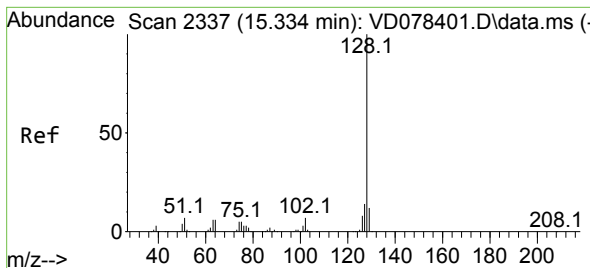
Ion Ratio Lower Upper

225 100

223 62.9 31.6 94.8

227 65.6 31.7 95.1





#95

Naphthalene

Concen: 46.429 ug/l

RT: 15.334 min Scan# 2337

Delta R.T. 0.000 min

Lab File: VD078401.D

Acq: 13 Feb 2024 13:30

Instrument :

MSVOA\_D

ClientSampleId :

VSTDICCC050

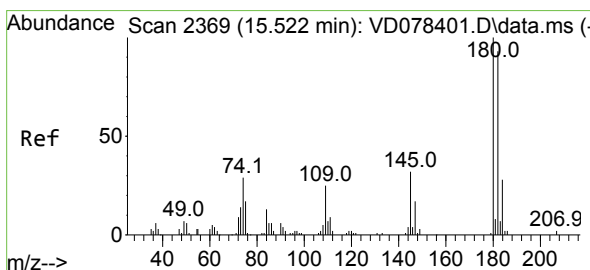
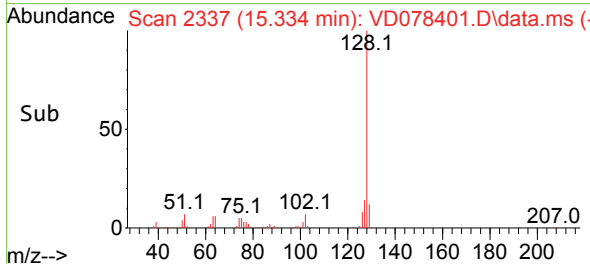
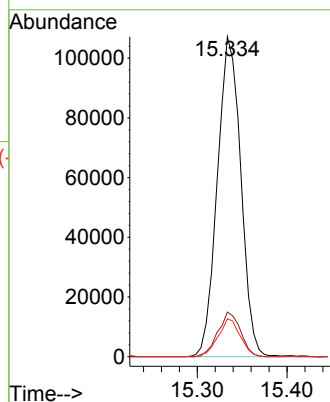
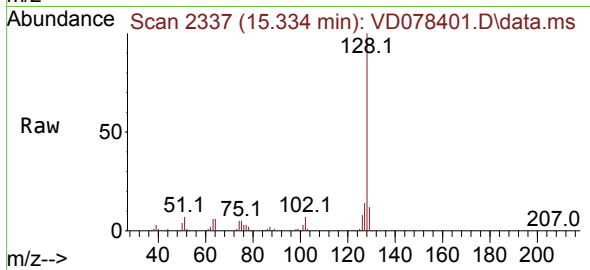
Tgt Ion:128 Resp: 194827

Ion Ratio Lower Upper

128 100

127 14.0 10.5 15.7

129 11.9 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 47.961 ug/l

RT: 15.522 min Scan# 2369

Delta R.T. 0.000 min

Lab File: VD078401.D

Acq: 13 Feb 2024 13:30

Tgt Ion:180 Resp: 91961

Ion Ratio Lower Upper

180 100

182 93.5 47.3 141.9

145 31.4 15.1 45.3

