

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD021423\  
 Data File : VD075347.D  
 Acq On : 14 Feb 2023 17:10  
 Operator : KP/SY  
 Sample : VSTDCCC050  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: Feb 15 03:36:42 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D020723S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 08 04:26:58 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.875  | 168  | 45818    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.781  | 114  | 73835    | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.581 | 117  | 67438    | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.522 | 152  | 35685    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 8.228  | 65    | 28493    | 53.035   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 106.060% |      |
| 35) Dibromofluoromethane    | 7.805  | 113   | 28344    | 54.747   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 109.500% |      |
| 50) Toluene-d8              | 10.269 | 98    | 102438   | 52.173   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | = 104.340% |      |
| 62) 4-Bromofluorobenzene    | 12.575 | 95    | 34546    | 53.360   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | = 106.720% |      |

|                              |       |     |        |         |        |     |
|------------------------------|-------|-----|--------|---------|--------|-----|
| Target Compounds             |       |     |        |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.934 | 85  | 16550  | 44.496  | ug/l   | 95  |
| 3) Chloromethane             | 2.146 | 50  | 29905  | 46.767  | ug/l   | 99  |
| 4) Vinyl Chloride            | 2.281 | 62  | 33225  | 43.588  | ug/l   | 99  |
| 5) Bromomethane              | 2.693 | 94  | 20751  | 42.548  | ug/l   | 100 |
| 6) Chloroethane              | 2.834 | 64  | 23362  | 44.427  | ug/l   | 98  |
| 7) Trichlorofluoromethane    | 3.175 | 101 | 44224  | 46.661  | ug/l   | 100 |
| 8) Diethyl Ether             | 3.587 | 74  | 12726  | 49.949  | ug/l   | 99  |
| 9) 1,1,2-Trichlorotrifluo... | 3.969 | 101 | 26998  | 50.198  | ug/l   | 99  |
| 10) Methyl Iodide            | 4.164 | 142 | 30992  | 47.657  | ug/l   | 94  |
| 11) Tert butyl alcohol       | 5.058 | 59  | 7242   | 227.157 | ug/l # | 90  |
| 12) 1,1-Dichloroethene       | 3.946 | 96  | 24777  | 48.316  | ug/l   | 99  |
| 13) Acrolein                 | 3.799 | 56  | 3591   | 210.529 | ug/l   | 86  |
| 14) Allyl chloride           | 4.569 | 41  | 41585  | 48.739  | ug/l   | 91  |
| 15) Acrylonitrile            | 5.252 | 53  | 32104  | 272.724 | ug/l   | 98  |
| 16) Acetone                  | 4.022 | 43  | 38574  | 271.531 | ug/l   | 98  |
| 17) Carbon Disulfide         | 4.269 | 76  | 71661  | 45.295  | ug/l   | 99  |
| 18) Methyl Acetate           | 4.558 | 43  | 20047  | 53.267  | ug/l   | 99  |
| 19) Methyl tert-butyl Ether  | 5.316 | 73  | 61566  | 52.292  | ug/l   | 98  |
| 20) Methylene Chloride       | 4.799 | 84  | 33112  | 56.054  | ug/l   | 96  |
| 21) trans-1,2-Dichloroethene | 5.311 | 96  | 29281  | 50.458  | ug/l   | 97  |
| 22) Diisopropyl ether        | 6.210 | 45  | 88736  | 52.287  | ug/l   | 97  |
| 23) Vinyl Acetate            | 6.158 | 43  | 182574 | 313.379 | ug/l   | 95  |
| 24) 1,1-Dichloroethane       | 6.111 | 63  | 55431  | 52.389  | ug/l   | 97  |
| 25) 2-Butanone               | 7.081 | 43  | 44194  | 251.067 | ug/l   | 100 |
| 26) 2,2-Dichloropropane      | 7.075 | 77  | 46971  | 50.153  | ug/l   | 100 |
| 27) cis-1,2-Dichloroethene   | 7.081 | 96  | 32042  | 49.354  | ug/l   | 95  |
| 28) Bromochloromethane       | 7.422 | 49  | 14108  | 53.732  | ug/l   | 92  |
| 29) Tetrahydrofuran          | 7.446 | 42  | 25650  | 270.607 | ug/l   | 96  |
| 30) Chloroform               | 7.599 | 83  | 56156  | 51.565  | ug/l   | 89  |
| 31) Cyclohexane              | 7.881 | 56  | 43472  | 45.568  | ug/l   | 93  |
| 32) 1,1,1-Trichloroethane    | 7.793 | 97  | 49634  | 50.952  | ug/l   | 100 |
| 36) 1,1-Dichloropropene      | 8.010 | 75  | 41000  | 50.837  | ug/l   | 96  |
| 37) Ethyl Acetate            | 7.169 | 43  | 16150  | 45.915  | ug/l   | 97  |
| 38) Carbon Tetrachloride     | 7.993 | 117 | 40232  | 53.834  | ug/l   | 98  |
| 39) Methylcyclohexane        | 9.275 | 83  | 46255  | 49.549  | ug/l   | 97  |
| 40) Benzene                  | 8.252 | 78  | 116537 | 51.413  | ug/l   | 99  |

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 Sample : VSTDCCC050  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: Feb 15 03:36:42 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D020723S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 08 04:26:58 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.399  | 41   | 9436     | 44.971  | ug/l   | 94       |
| 42) 1,2-Dichloroethane        | 8.328  | 62   | 34390    | 52.404  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 8.357  | 43   | 35782    | 53.240  | ug/l   | 96       |
| 44) Trichloroethene           | 9.028  | 130  | 31531    | 50.464  | ug/l   | 97       |
| 45) 1,2-Dichloropropane       | 9.304  | 63   | 30398    | 52.805  | ug/l   | 99       |
| 46) Dibromomethane            | 9.393  | 93   | 17131    | 53.700  | ug/l   | 93       |
| 47) Bromodichloromethane      | 9.581  | 83   | 42183    | 53.130  | ug/l   | 95       |
| 48) Methyl methacrylate       | 9.381  | 41   | 17471    | 54.736  | ug/l   | 93       |
| 49) 1,4-Dioxane               | 9.387  | 88   | 3041     | 999.648 | ug/l   | 90       |
| 51) 4-Methyl-2-Pentanone      | 10.157 | 43   | 95459    | 280.944 | ug/l   | 96       |
| 52) Toluene                   | 10.334 | 92   | 75447    | 52.845  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.557 | 75   | 38720    | 56.302  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 10.016 | 75   | 45219    | 54.995  | ug/l # | 91       |
| 55) 1,1,2-Trichloroethane     | 10.734 | 97   | 22569    | 55.421  | ug/l   | 95       |
| 56) Ethyl methacrylate        | 10.599 | 69   | 26634    | 56.258  | ug/l   | 94       |
| 57) 1,3-Dichloropropane       | 10.881 | 76   | 37406    | 53.920  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.869  | 63   | 43821    | 311.953 | ug/l   | 99       |
| 59) 2-Hexanone                | 10.922 | 43   | 68986    | 277.903 | ug/l   | 96       |
| 60) Dibromochloromethane      | 11.075 | 129  | 28174    | 55.841  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.181 | 107  | 20980    | 53.429  | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.810 | 164  | 25638    | 49.361  | ug/l   | 96       |
| 65) Chlorobenzene             | 11.610 | 112  | 78390    | 51.544  | ug/l   | 93       |
| 66) 1,1,1,2-Tetrachloroethane | 11.681 | 131  | 29537    | 53.344  | ug/l   | 97       |
| 67) Ethyl Benzene             | 11.687 | 91   | 148825   | 53.005  | ug/l   | 100      |
| 68) m/p-Xylenes               | 11.793 | 106  | 113561   | 106.326 | ug/l   | 99       |
| 69) o-Xylene                  | 12.122 | 106  | 52203    | 52.326  | ug/l   | 92       |
| 70) Styrene                   | 12.134 | 104  | 92365    | 54.655  | ug/l   | 99       |
| 71) Bromoform                 | 12.304 | 173  | 16620    | 55.880  | ug/l # | 92       |
| 73) Isopropylbenzene          | 12.422 | 105  | 142805   | 49.398  | ug/l   | 98       |
| 74) N-amyl acetate            | 12.234 | 43   | 32976    | 50.762  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 12.675 | 83   | 25910    | 51.516  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.728 | 75   | 32129    | 79.266  | ug/l # | 100      |
| 77) Bromobenzene              | 12.698 | 156  | 32421    | 49.526  | ug/l   | 94       |
| 78) n-propylbenzene           | 12.763 | 91   | 178470   | 49.614  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.851 | 91   | 96425    | 48.870  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 121125   | 50.321  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.469 | 75   | 6912     | 55.129  | ug/l   | 92       |
| 82) 4-Chlorotoluene           | 12.951 | 91   | 102641   | 49.868  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.169 | 119  | 104190   | 50.208  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.216 | 105  | 121151   | 50.393  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.345 | 105  | 160329   | 50.363  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.463 | 119  | 133602   | 51.303  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.463 | 146  | 66326    | 50.128  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene       | 13.540 | 146  | 65466    | 49.448  | ug/l   | 100      |
| 89) n-Butylbenzene            | 13.792 | 91   | 127990   | 50.343  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.057 | 117  | 26016    | 50.674  | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene       | 13.834 | 146  | 56619    | 49.318  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.451 | 75   | 3875     | 49.673  | ug/l   | 99       |
| 93) 1,2,4-Trichlorobenzene    | 15.104 | 180  | 35982    | 50.044  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.210 | 225  | 19832    | 52.279  | ug/l   | 98       |
| 95) Naphthalene               | 15.339 | 128  | 68184    | 50.949  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.528 | 180  | 31159    | 50.226  | ug/l   | 99       |

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Operator : KP/SY  
Sample : VSTDCCC050  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 17 Sample Multiplier: 1

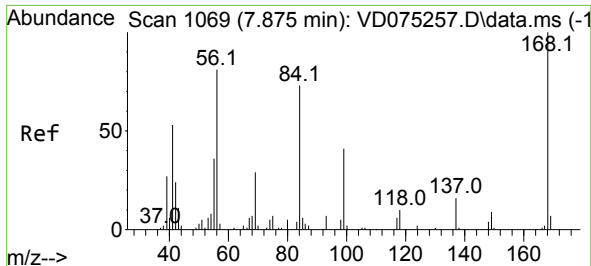
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

Quant Time: Feb 15 03:36:42 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D020723S.M  
Quant Title : SW846 8260  
QLast Update : Wed Feb 08 04:26:58 2023  
Response via : Initial Calibration

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

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

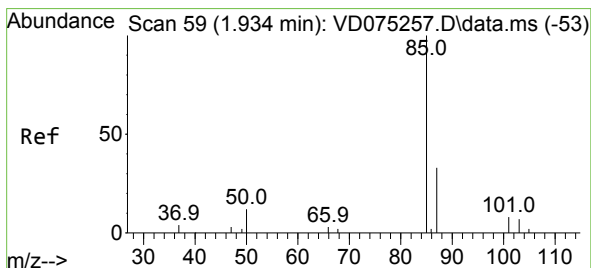
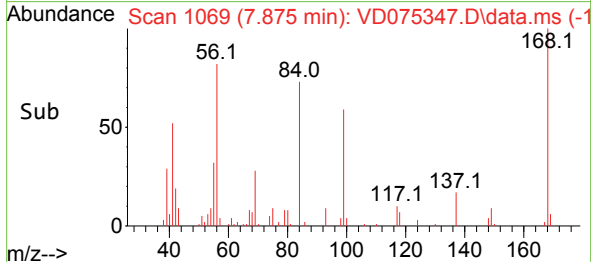
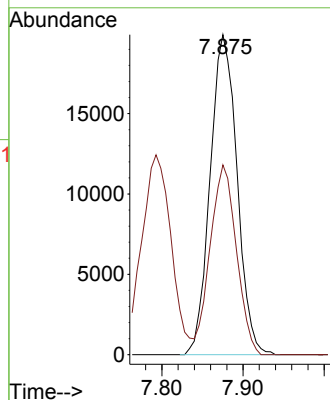
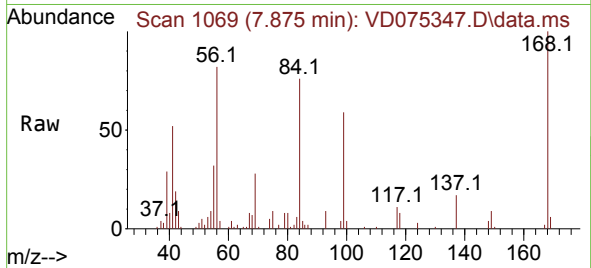




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. 0.000 min  
Lab File: VD075347.D  
Acq: 14 Feb 2023 17:10

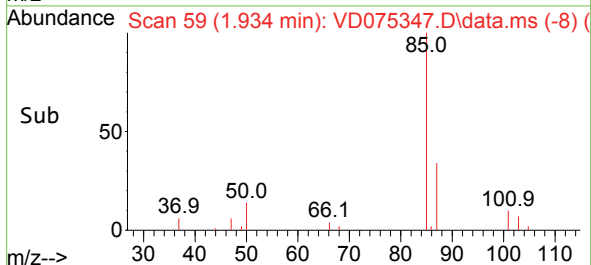
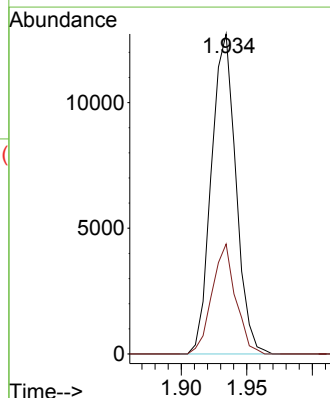
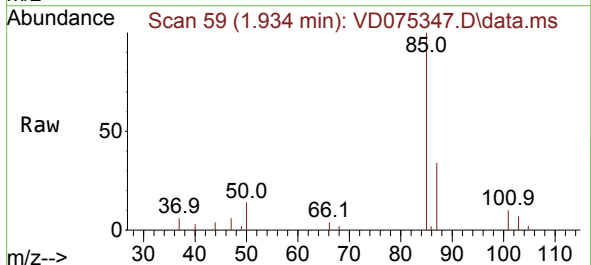
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MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

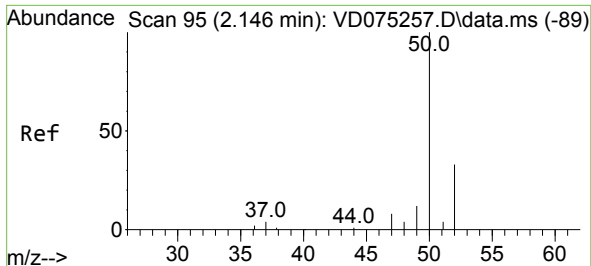
Tgt Ion:168 Resp: 45818  
Ion Ratio Lower Upper  
168 100  
99 59.3 45.2 67.8



#2  
Dichlorodifluoromethane  
Concen: 44.496 ug/l  
RT: 1.934 min Scan# 59  
Delta R.T. 0.000 min  
Lab File: VD075347.D  
Acq: 14 Feb 2023 17:10

Tgt Ion: 85 Resp: 16550  
Ion Ratio Lower Upper  
85 100  
87 34.3 15.7 47.0

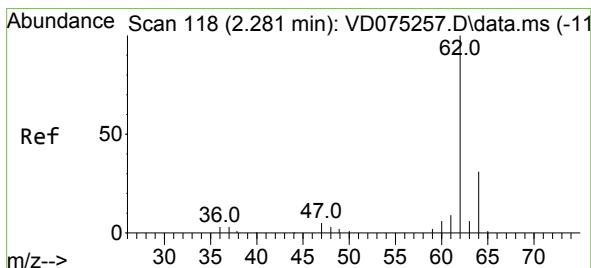
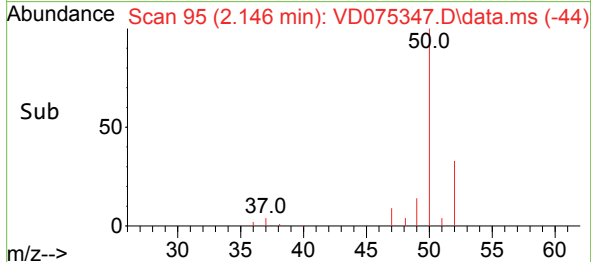
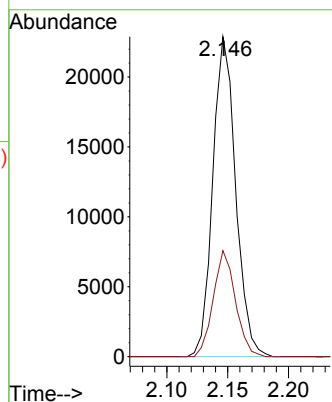
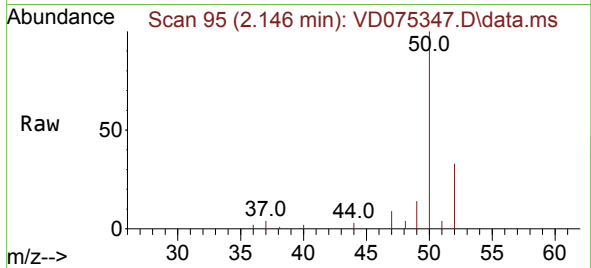




#3  
Chloromethane  
Concen: 46.767 ug/l  
RT: 2.146 min Scan# 95  
Delta R.T. 0.000 min  
Lab File: VD075347.D  
Acq: 14 Feb 2023 17:10

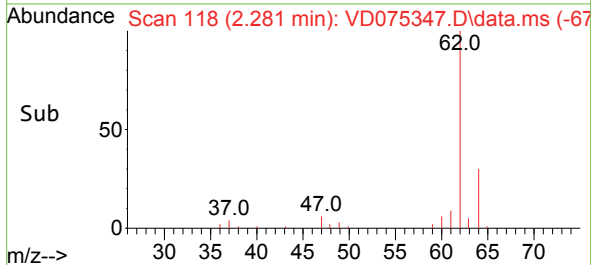
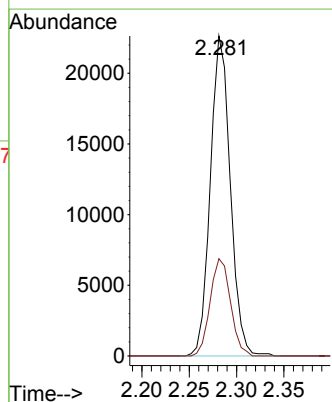
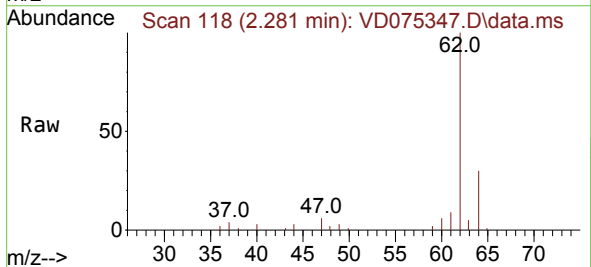
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

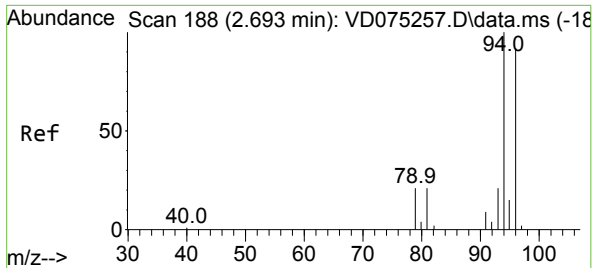
Tgt Ion: 50 Resp: 29905  
Ion Ratio Lower Upper  
50 100  
52 33.1 27.0 40.6



#4  
Vinyl Chloride  
Concen: 43.588 ug/l  
RT: 2.281 min Scan# 118  
Delta R.T. 0.000 min  
Lab File: VD075347.D  
Acq: 14 Feb 2023 17:10

Tgt Ion: 62 Resp: 33225  
Ion Ratio Lower Upper  
62 100  
64 30.4 24.8 37.2

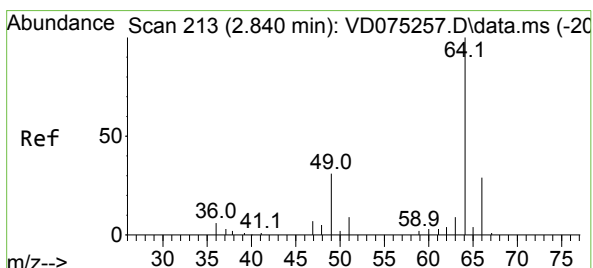
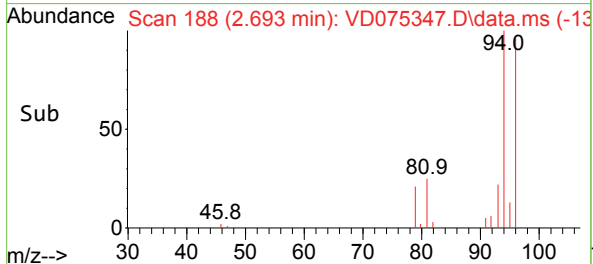
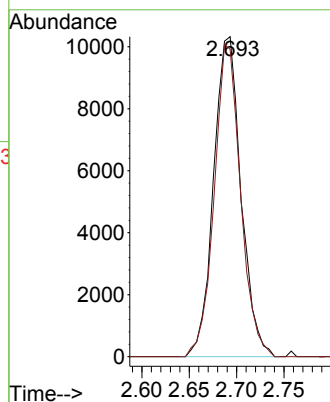
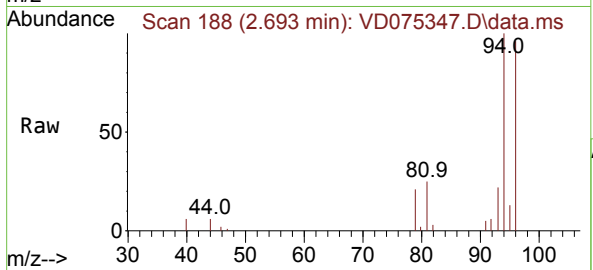




#5  
Bromomethane  
Concen: 42.548 ug/l  
RT: 2.693 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VD075347.D  
Acq: 14 Feb 2023 17:10

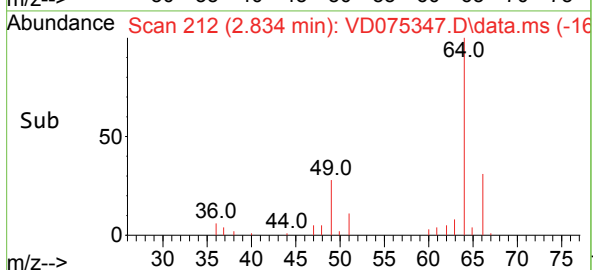
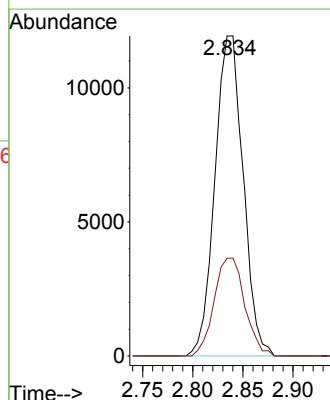
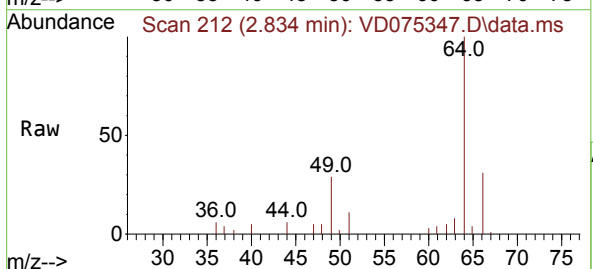
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

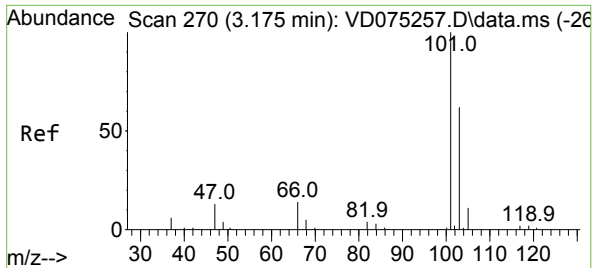
Tgt Ion: 94 Resp: 20751  
Ion Ratio Lower Upper  
94 100  
96 93.9 74.8 112.2



#6  
Chloroethane  
Concen: 44.427 ug/l  
RT: 2.834 min Scan# 212  
Delta R.T. -0.006 min  
Lab File: VD075347.D  
Acq: 14 Feb 2023 17:10

Tgt Ion: 64 Resp: 23362  
Ion Ratio Lower Upper  
64 100  
66 30.5 25.4 38.2

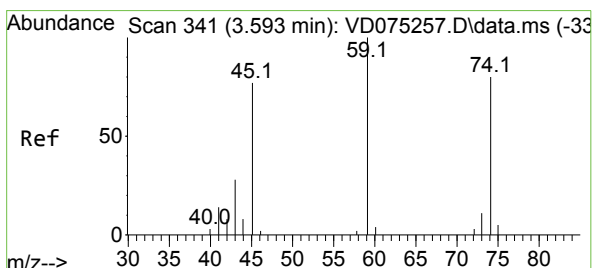
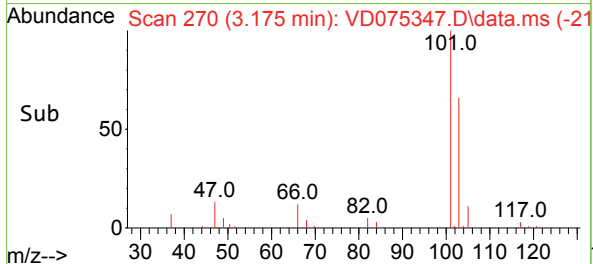
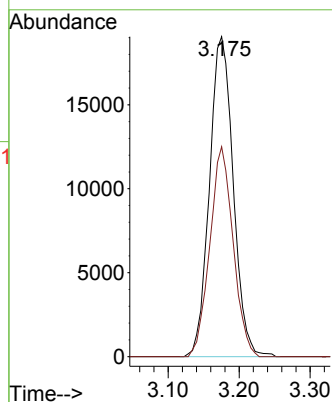
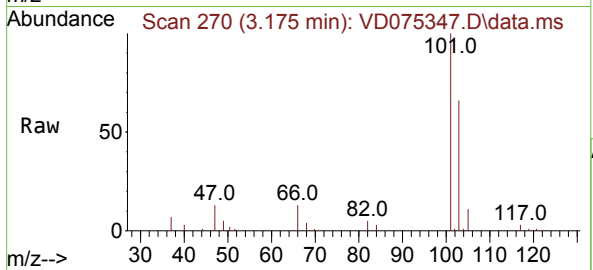




#7  
 Trichlorofluoromethane  
 Concen: 46.661 ug/l  
 RT: 3.175 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: VD075347.D  
 Acq: 14 Feb 2023 17:10

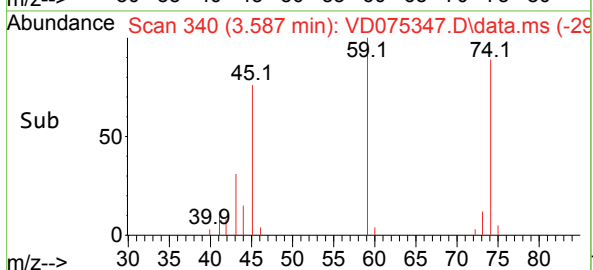
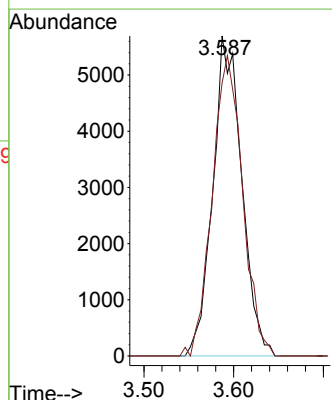
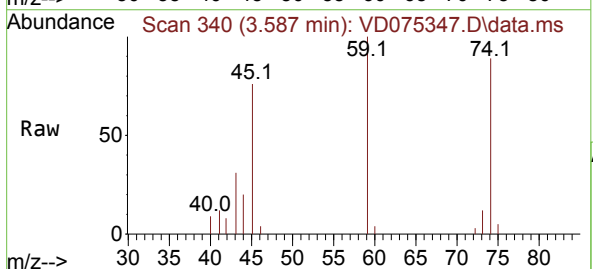
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

Tgt Ion:101 Resp: 44224  
 Ion Ratio Lower Upper  
 101 100  
 103 65.6 52.2 78.4

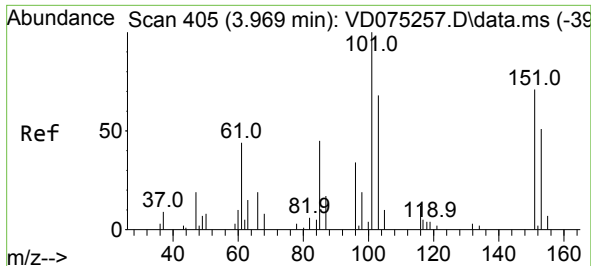


#8  
 Diethyl Ether  
 Concen: 49.949 ug/l  
 RT: 3.587 min Scan# 340  
 Delta R.T. -0.006 min  
 Lab File: VD075347.D  
 Acq: 14 Feb 2023 17:10

Tgt Ion: 74 Resp: 12726  
 Ion Ratio Lower Upper  
 74 100  
 45 98.5 49.8 149.3



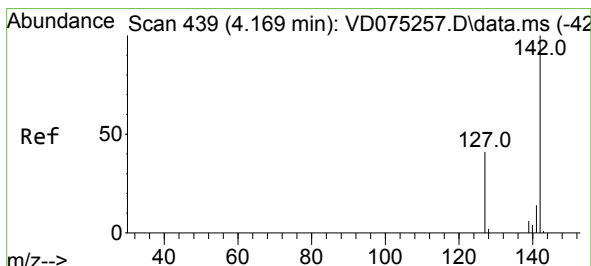
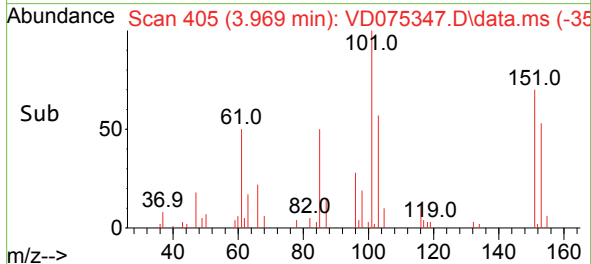
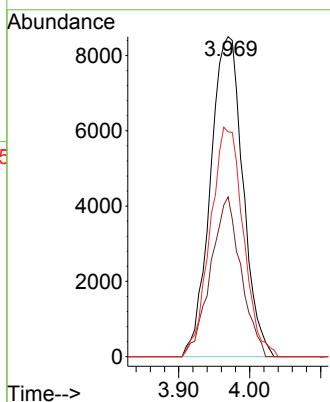
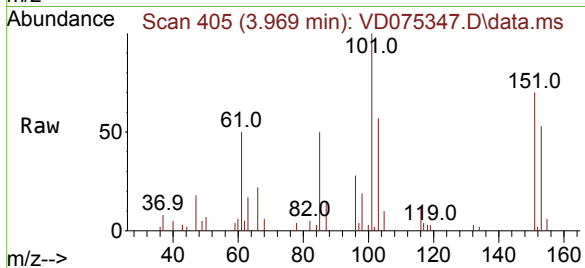




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 50.198 ug/l  
RT: 3.969 min Scan# 405  
Delta R.T. 0.000 min  
Lab File: VD075347.D  
Acq: 14 Feb 2023 17:10

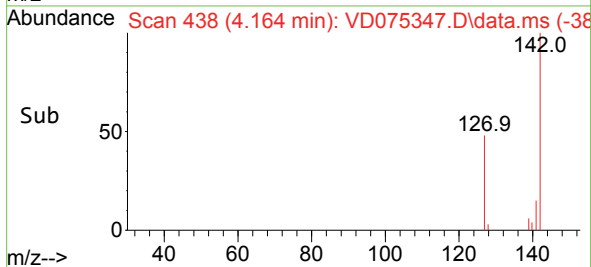
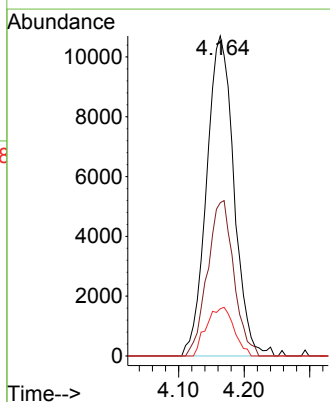
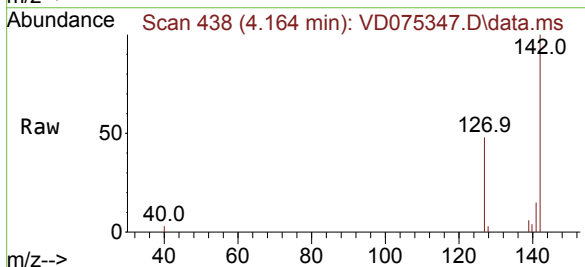
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

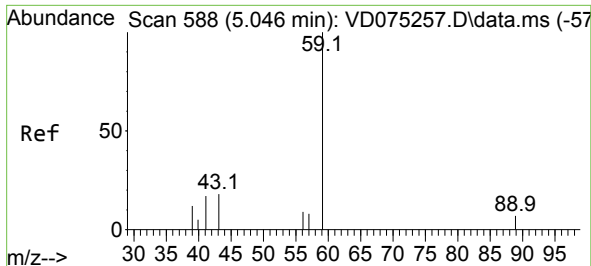
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:101 | Resp: | 26998     |
| Ion Ratio   | Lower | Upper     |
| 101         | 100   |           |
| 85          | 46.7  | 36.9 55.3 |
| 151         | 72.8  | 58.9 88.3 |



#10  
Methyl Iodide  
Concen: 47.657 ug/l  
RT: 4.164 min Scan# 438  
Delta R.T. -0.005 min  
Lab File: VD075347.D  
Acq: 14 Feb 2023 17:10

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:142 | Resp: | 30992     |
| Ion Ratio   | Lower | Upper     |
| 142         | 100   |           |
| 127         | 46.7  | 33.6 50.4 |
| 141         | 15.3  | 11.1 16.7 |

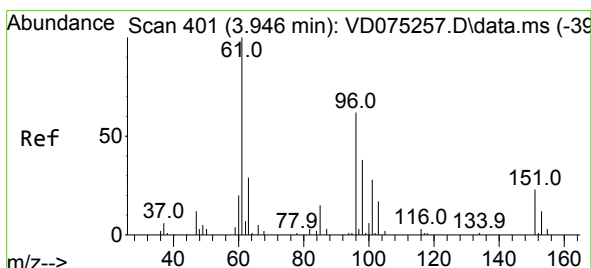
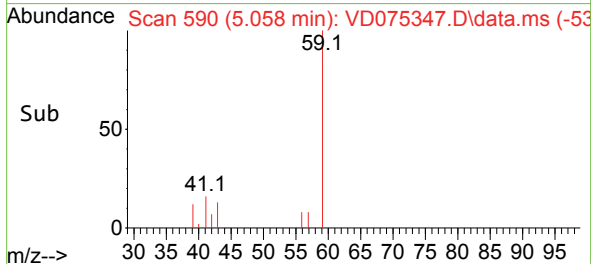
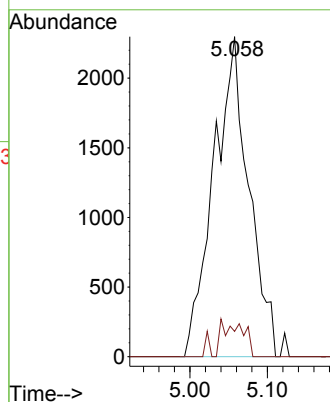
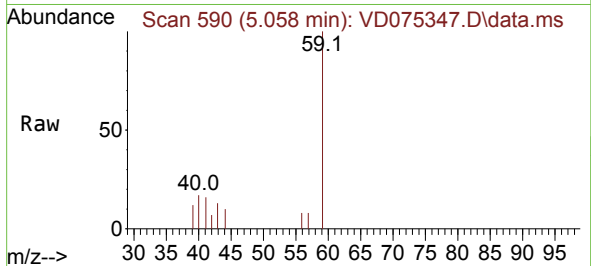




#11  
Tert butyl alcohol  
Concen: 227.157 ug/l  
RT: 5.058 min Scan# 591  
Delta R.T. 0.012 min  
Lab File: VD075347.D  
Acq: 14 Feb 2023 17:10

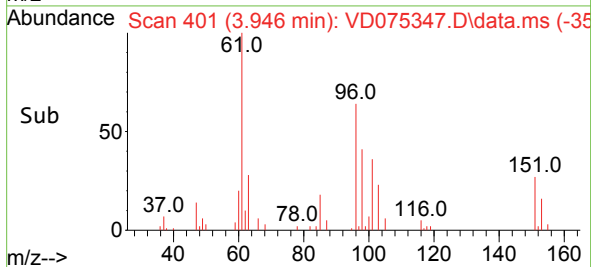
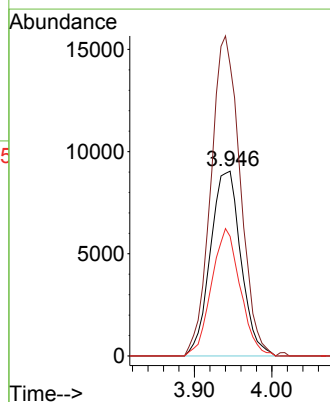
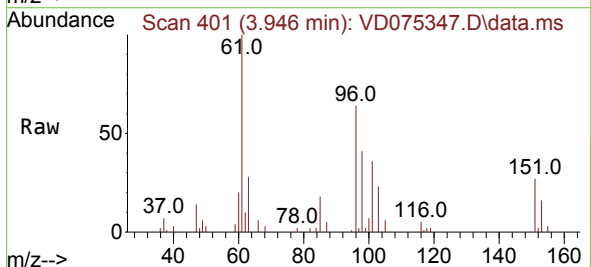
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

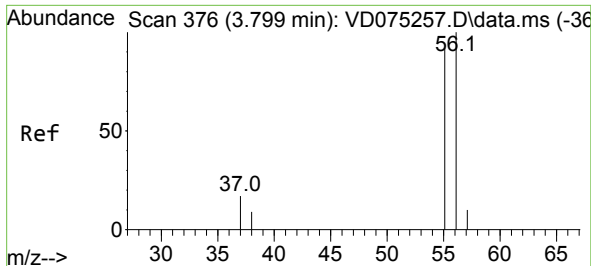
Tgt Ion: 59 Resp: 7242  
Ion Ratio Lower Upper  
59 100  
57 7.0 2.9 4.3#



#12  
1,1-Dichloroethene  
Concen: 48.316 ug/l  
RT: 3.946 min Scan# 401  
Delta R.T. -0.000 min  
Lab File: VD075347.D  
Acq: 14 Feb 2023 17:10

Tgt Ion: 96 Resp: 24777  
Ion Ratio Lower Upper  
96 100  
61 157.4 126.8 190.2  
98 64.7 50.4 75.6

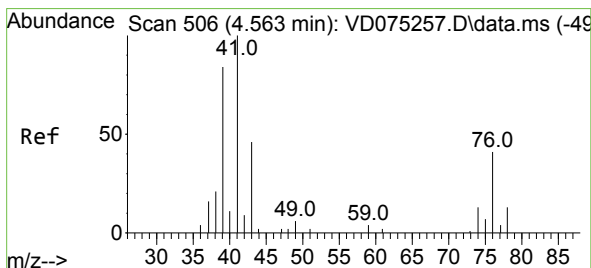
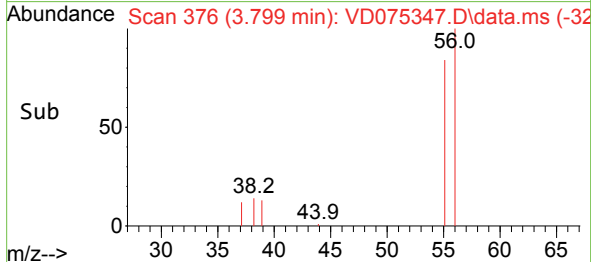
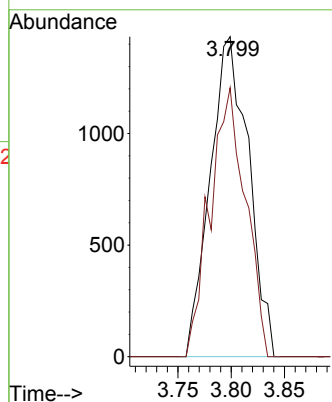
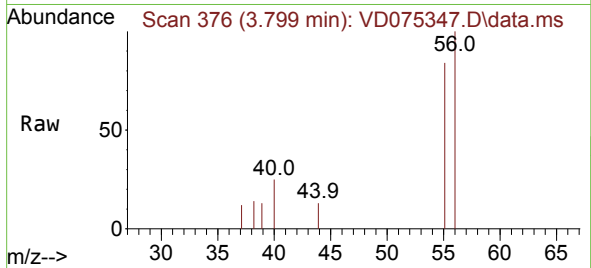




#13  
Acrolein  
Concen: 210.529 ug/l  
RT: 3.799 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VD075347.D  
Acq: 14 Feb 2023 17:10

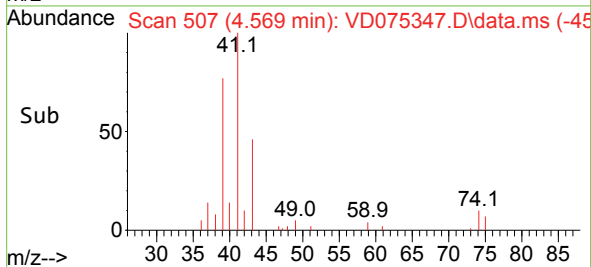
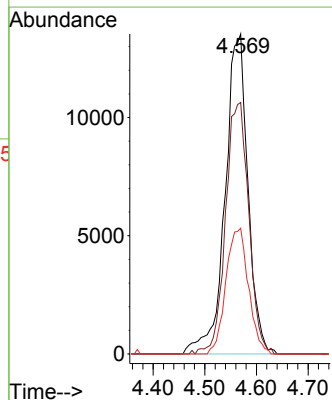
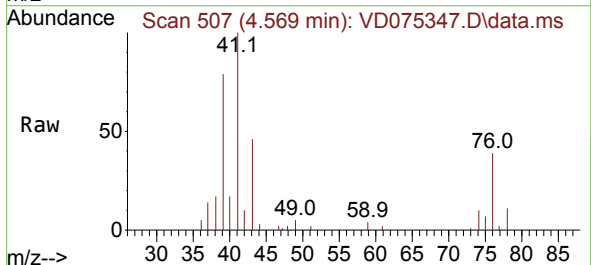
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

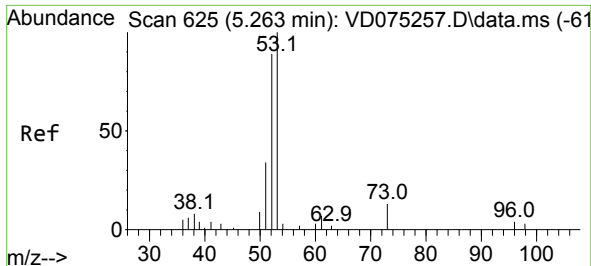
Tgt Ion: 56 Resp: 3591  
Ion Ratio Lower Upper  
56 100  
55 77.8 53.0 79.6



#14  
Allyl chloride  
Concen: 48.739 ug/l  
RT: 4.569 min Scan# 507  
Delta R.T. 0.006 min  
Lab File: VD075347.D  
Acq: 14 Feb 2023 17:10

Tgt Ion: 41 Resp: 41585  
Ion Ratio Lower Upper  
41 100  
39 79.6 55.4 83.0  
76 38.8 30.2 45.2

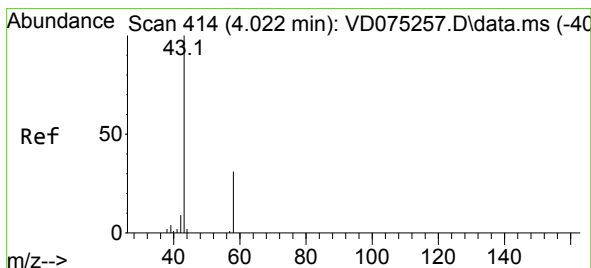
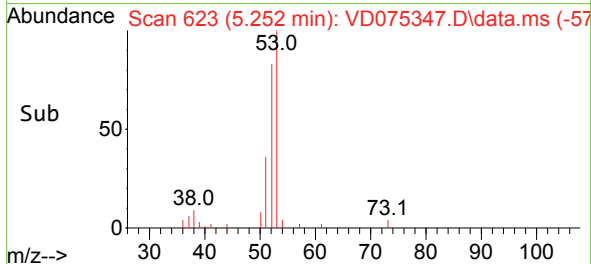
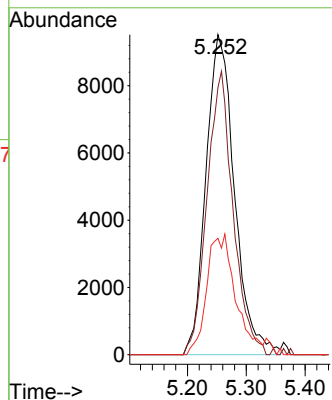
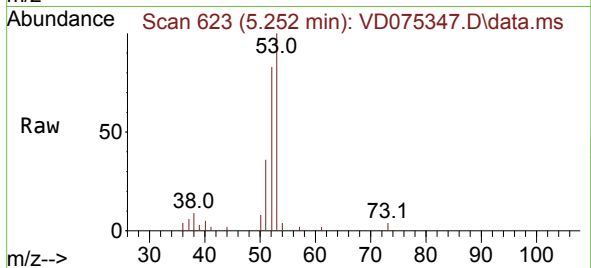




#15  
Acrylonitrile  
Concen: 272.724 ug/l  
RT: 5.252 min Scan# 61  
Delta R.T. -0.011 min  
Lab File: VD075347.D  
Acq: 14 Feb 2023 17:10

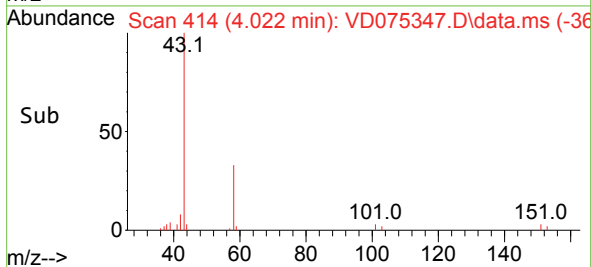
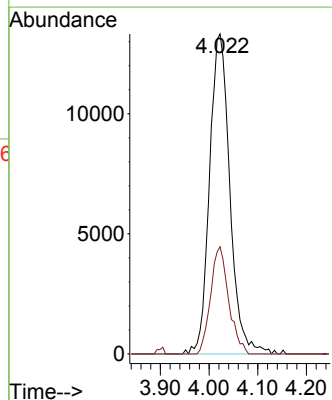
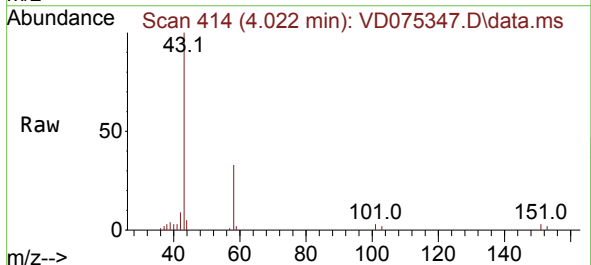
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

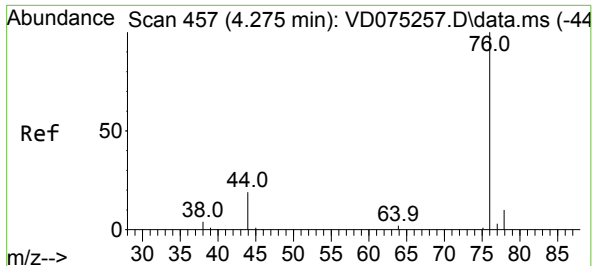
Tgt Ion: 53 Resp: 32104  
Ion Ratio Lower Upper  
53 100  
52 80.9 67.0 100.6  
51 37.9 30.1 45.1



#16  
Acetone  
Concen: 271.531 ug/l  
RT: 4.022 min Scan# 414  
Delta R.T. 0.000 min  
Lab File: VD075347.D  
Acq: 14 Feb 2023 17:10

Tgt Ion: 43 Resp: 38574  
Ion Ratio Lower Upper  
43 100  
58 33.5 26.0 39.0





#17

Carbon Disulfide

Concen: 45.295 ug/l

RT: 4.269 min Scan# 4

Delta R.T. -0.006 min

Lab File: VD075347.D

Acq: 14 Feb 2023 17:10

Instrument :

MSVOA\_D

ClientSampleId :

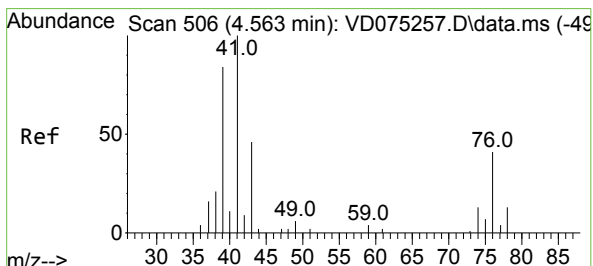
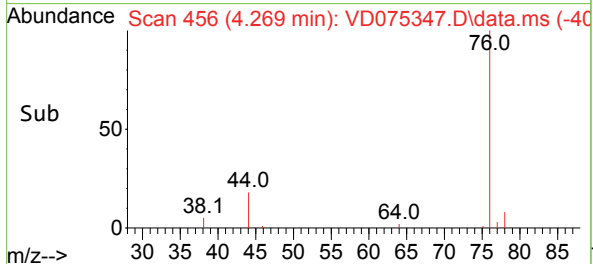
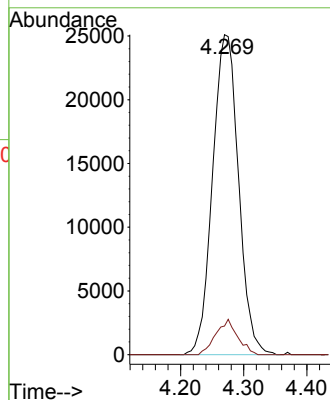
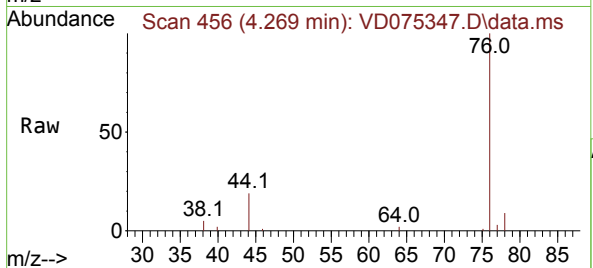
VSTDCCC050EC

Tgt Ion: 76 Resp: 71661

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.0



#18

Methyl Acetate

Concen: 53.267 ug/l

RT: 4.558 min Scan# 505

Delta R.T. -0.005 min

Lab File: VD075347.D

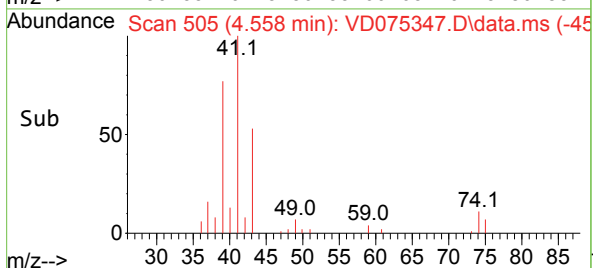
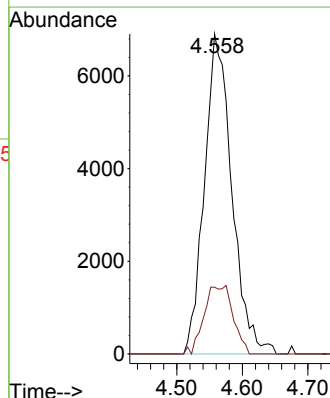
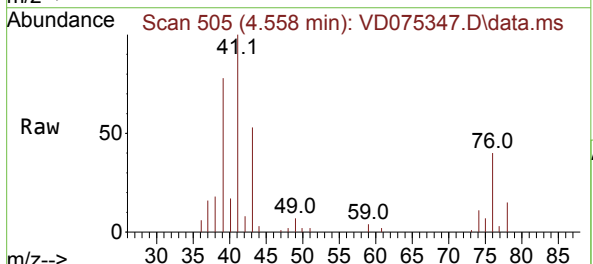
Acq: 14 Feb 2023 17:10

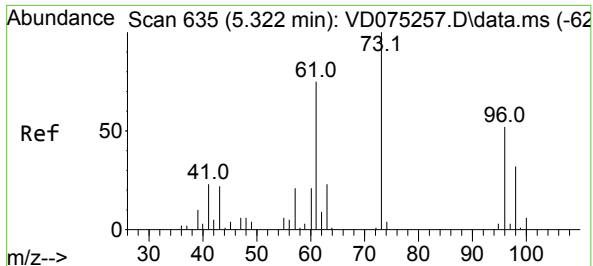
Tgt Ion: 43 Resp: 20047

Ion Ratio Lower Upper

43 100

74 22.5 18.5 27.7

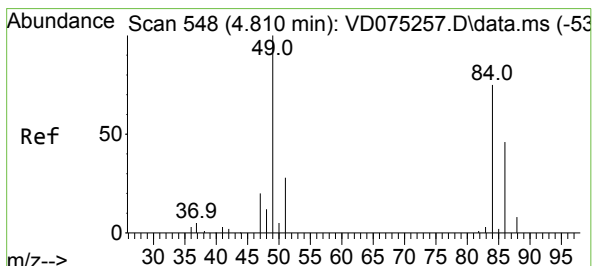
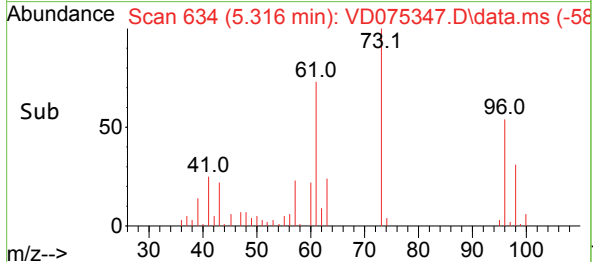
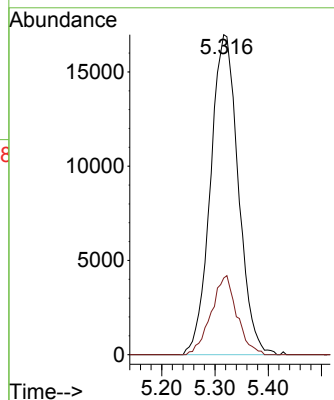
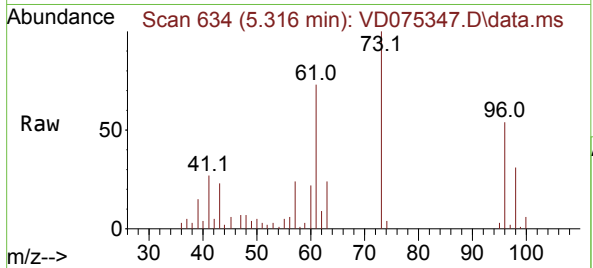




#19  
Methyl tert-butyl Ether  
Concen: 52.292 ug/l  
RT: 5.316 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: VD075347.D  
Acq: 14 Feb 2023 17:10

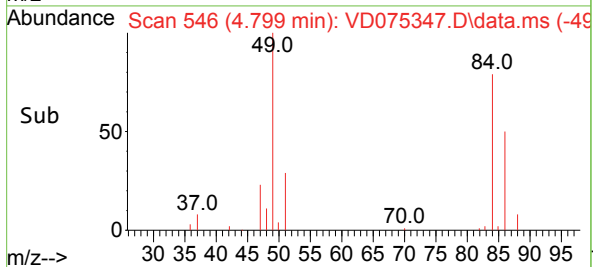
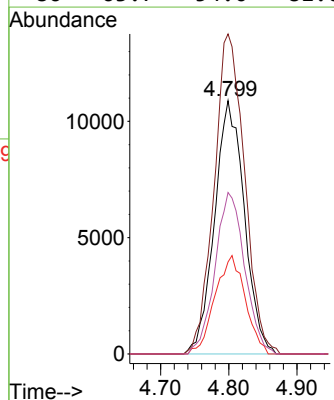
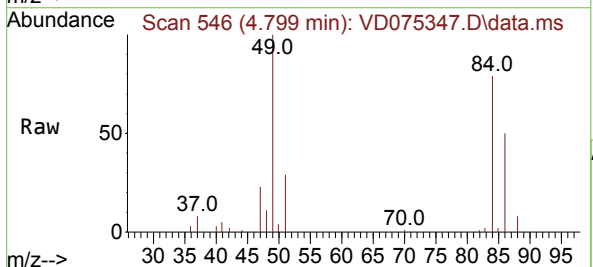
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

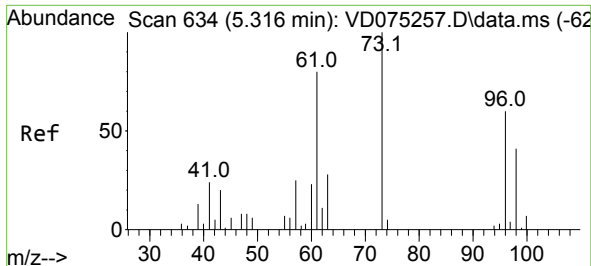
Tgt Ion: 73 Resp: 61566  
Ion Ratio Lower Upper  
73 100  
57 23.9 18.5 27.7



#20  
Methylene Chloride  
Concen: 56.054 ug/l  
RT: 4.799 min Scan# 546  
Delta R.T. -0.011 min  
Lab File: VD075347.D  
Acq: 14 Feb 2023 17:10

Tgt Ion: 84 Resp: 33112  
Ion Ratio Lower Upper  
84 100  
49 126.3 97.0 145.6  
51 36.3 30.9 46.3  
86 63.7 54.0 81.0

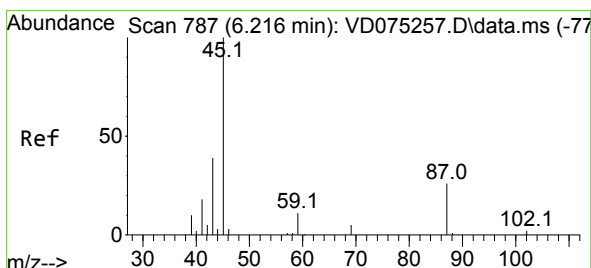
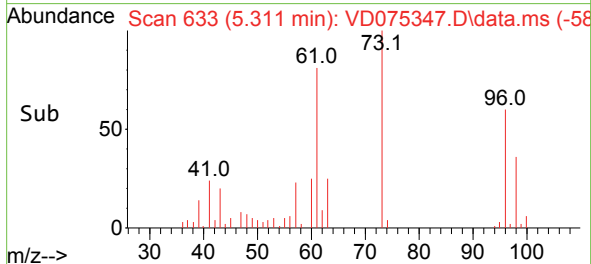
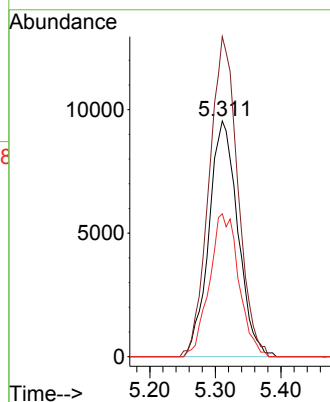
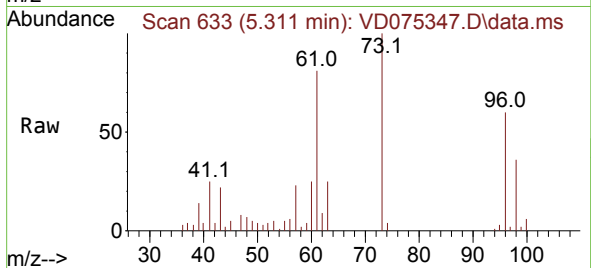




#21  
trans-1,2-Dichloroethene  
Concen: 50.458 ug/l  
RT: 5.311 min Scan# 61  
Delta R.T. -0.005 min  
Lab File: VD075347.D  
Acq: 14 Feb 2023 17:10

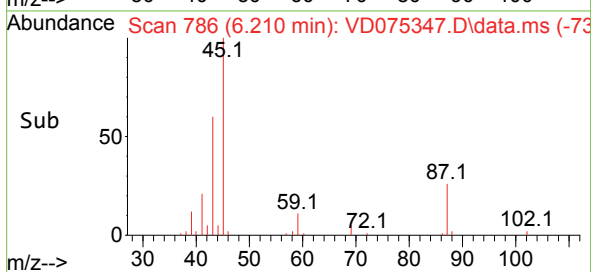
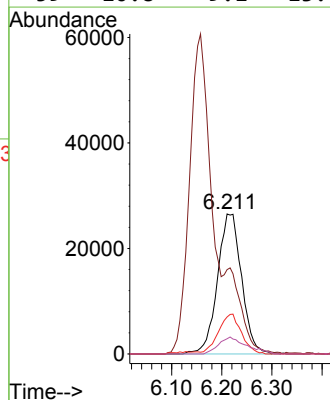
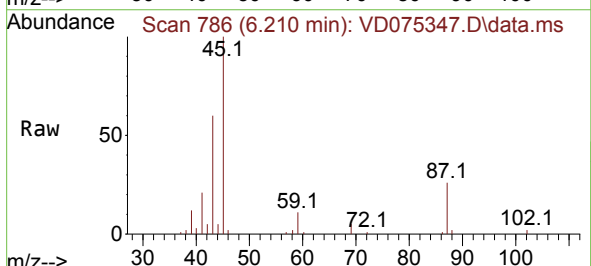
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

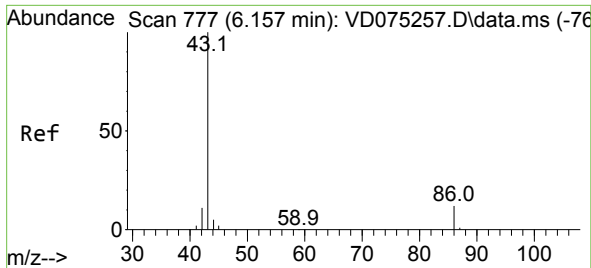
Tgt Ion: 96 Resp: 29281  
Ion Ratio Lower Upper  
96 100  
61 135.8 105.7 158.5  
98 60.6 50.4 75.6



#22  
Diisopropyl ether  
Concen: 52.287 ug/l  
RT: 6.210 min Scan# 786  
Delta R.T. -0.006 min  
Lab File: VD075347.D  
Acq: 14 Feb 2023 17:10

Tgt Ion: 45 Resp: 88736  
Ion Ratio Lower Upper  
45 100  
43 59.2 45.3 67.9  
87 26.4 22.1 33.1  
59 10.8 9.1 13.7

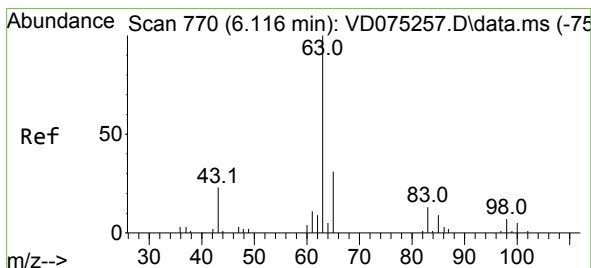
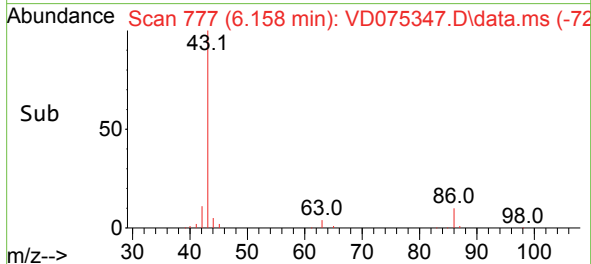
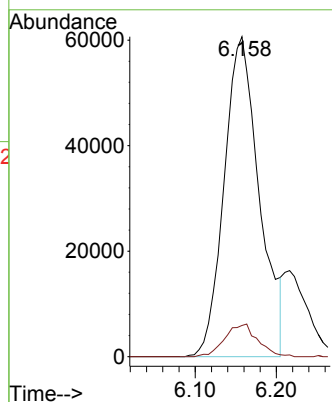
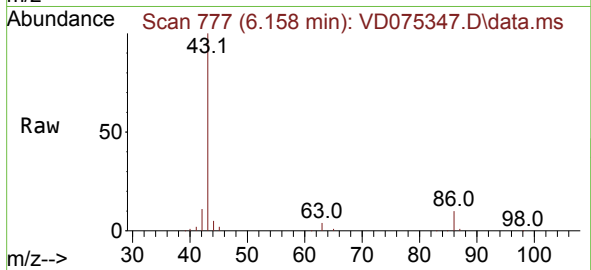




#23  
 Vinyl Acetate  
 Concen: 313.379 ug/l  
 RT: 6.158 min Scan# 777  
 Delta R.T. 0.001 min  
 Lab File: VD075347.D  
 Acq: 14 Feb 2023 17:10

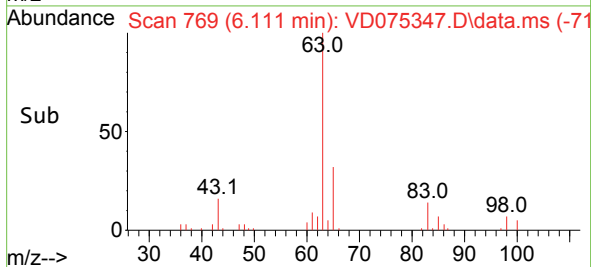
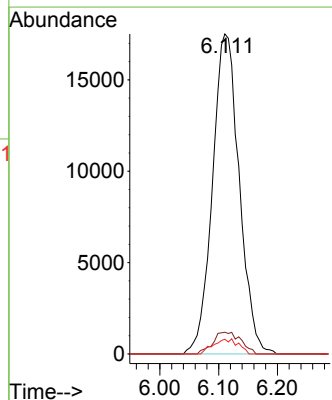
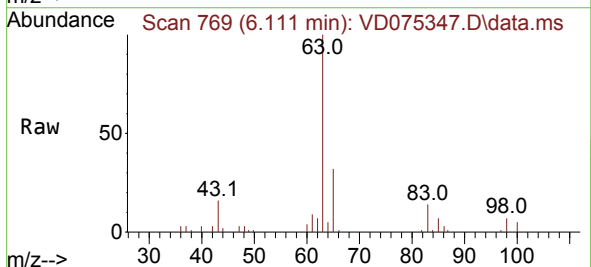
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

Tgt Ion: 43 Resp: 182574  
 Ion Ratio Lower Upper  
 43 100  
 86 9.7 9.3 13.9

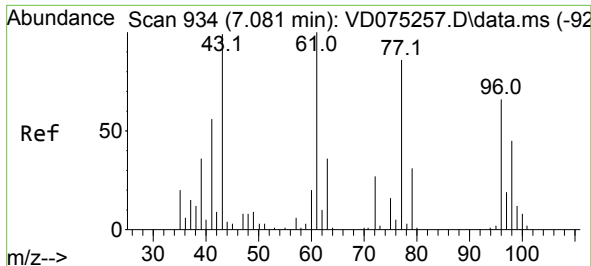


#24  
 1,1-Dichloroethane  
 Concen: 52.389 ug/l  
 RT: 6.111 min Scan# 769  
 Delta R.T. -0.005 min  
 Lab File: VD075347.D  
 Acq: 14 Feb 2023 17:10

Tgt Ion: 63 Resp: 55431  
 Ion Ratio Lower Upper  
 63 100  
 98 6.8 4.0 12.2  
 100 4.6 2.5 7.4







#25

2-Butanone

Concen: 251.067 ug/l

RT: 7.081 min Scan# 91

Delta R.T. 0.000 min

Lab File: VD075347.D

Acq: 14 Feb 2023 17:10

Instrument :

MSVOA\_D

ClientSampleId :

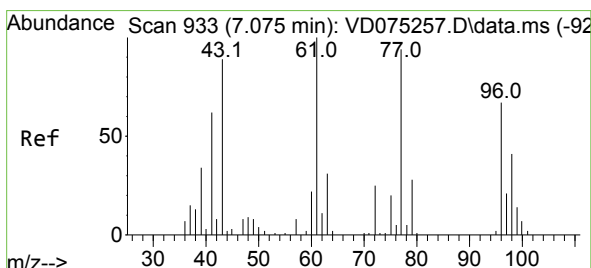
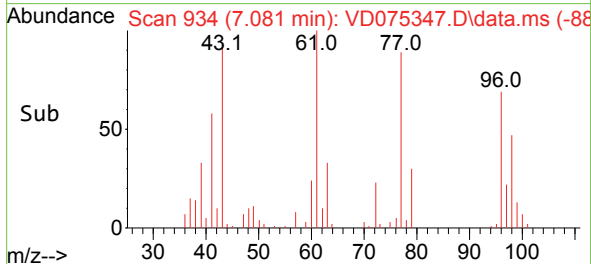
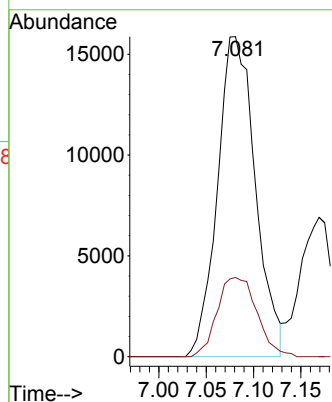
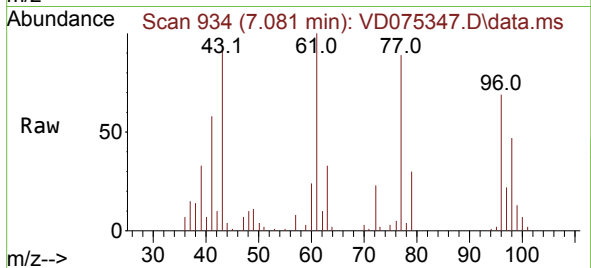
VSTDCCC050EC

Tgt Ion: 43 Resp: 44194

Ion Ratio Lower Upper

43 100

72 24.7 19.8 29.8



#26

2,2-Dichloropropane

Concen: 50.153 ug/l

RT: 7.075 min Scan# 933

Delta R.T. 0.000 min

Lab File: VD075347.D

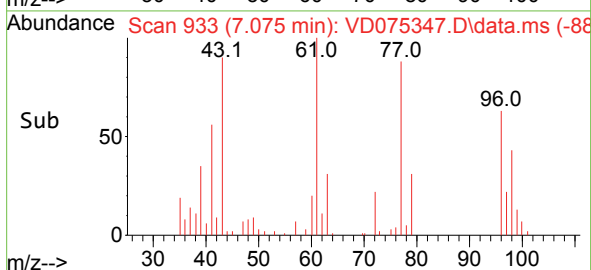
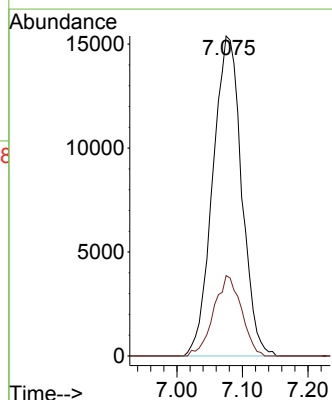
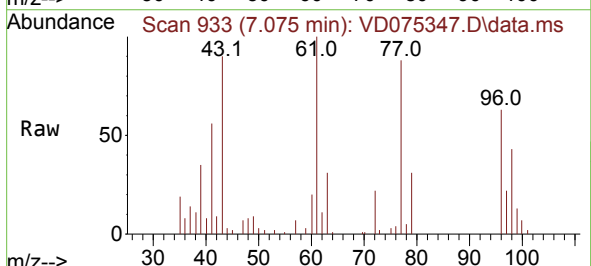
Acq: 14 Feb 2023 17:10

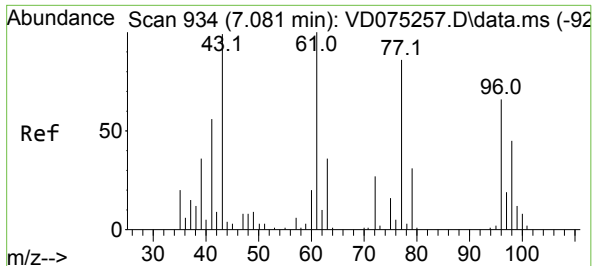
Tgt Ion: 77 Resp: 46971

Ion Ratio Lower Upper

77 100

97 24.0 12.0 36.0



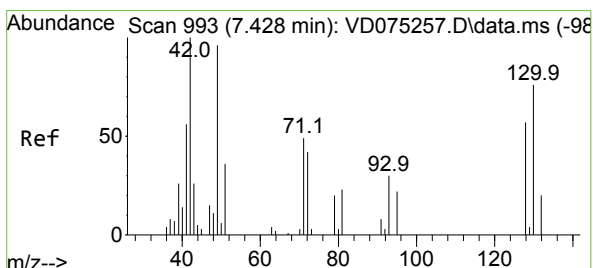
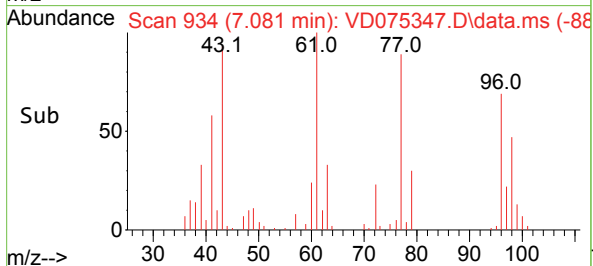
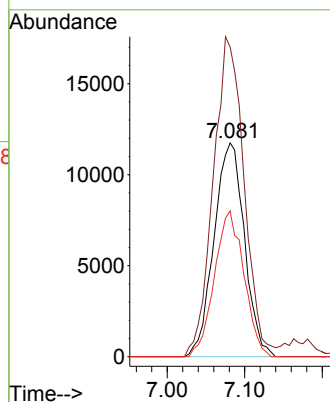
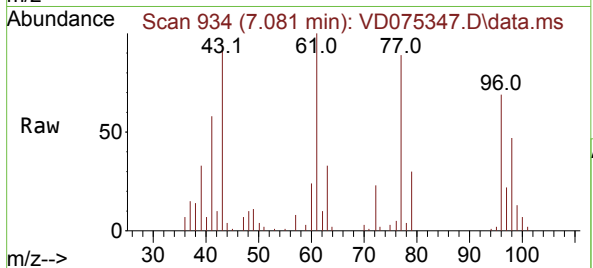


#27  
 cis-1,2-Dichloroethene  
 Concen: 49.354 ug/l  
 RT: 7.081 min Scan# 91  
 Delta R.T. 0.000 min  
 Lab File: VD075347.D  
 Acq: 14 Feb 2023 17:10

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

Tgt Ion: 96 Resp: 32042  

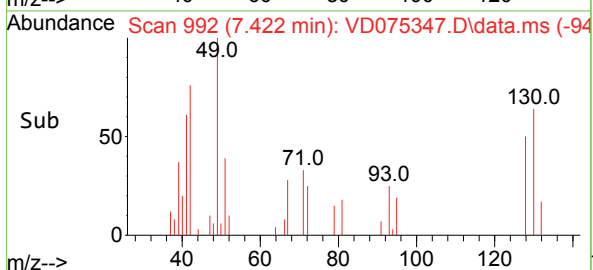
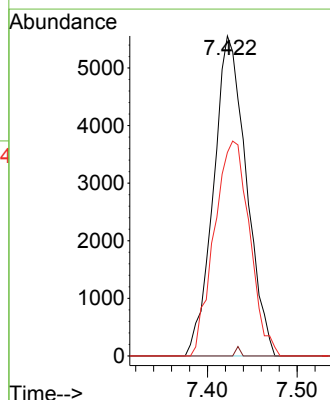
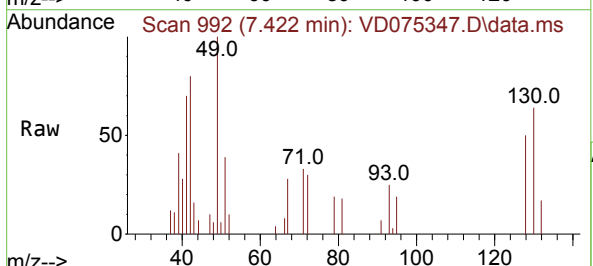
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 151.1 | 0.0   | 287.4 |
| 98  | 66.0  | 0.0   | 129.8 |

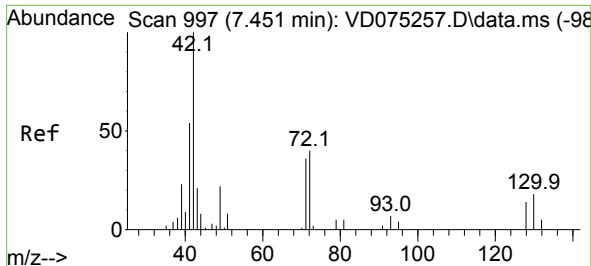


#28  
 Bromochloromethane  
 Concen: 53.732 ug/l  
 RT: 7.422 min Scan# 992  
 Delta R.T. -0.006 min  
 Lab File: VD075347.D  
 Acq: 14 Feb 2023 17:10

Tgt Ion: 49 Resp: 14108  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 49  | 100   |       |       |
| 129 | 0.4   | 0.0   | 2.6   |
| 130 | 72.4  | 63.6  | 95.4  |





#29

Tetrahydrofuran

Concen: 270.607 ug/l

RT: 7.446 min Scan# 996

Delta R.T. -0.005 min

Lab File: VD075347.D

Acq: 14 Feb 2023 17:10

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

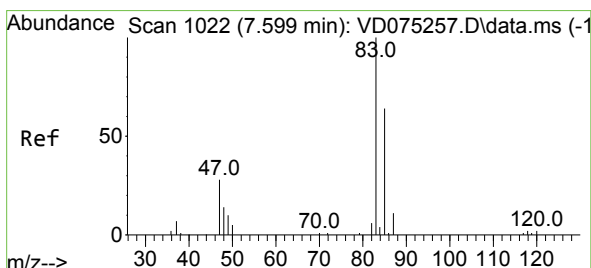
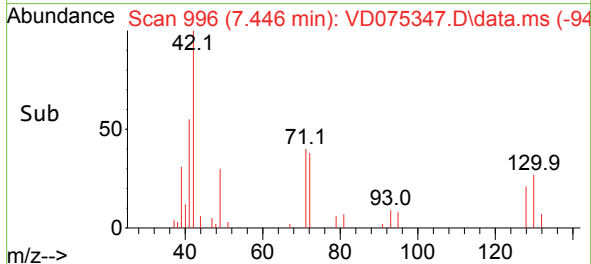
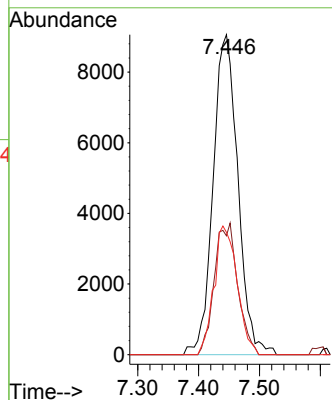
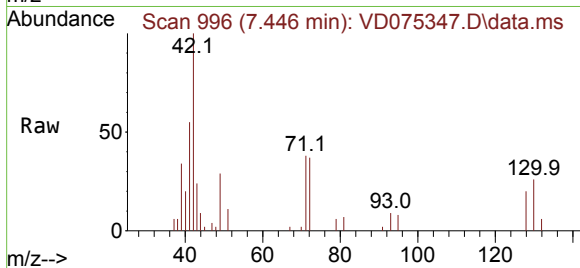
Tgt Ion: 42 Resp: 25650

Ion Ratio Lower Upper

42 100

72 38.7 33.8 50.8

71 37.5 31.6 47.4



#30

Chloroform

Concen: 51.565 ug/l

RT: 7.599 min Scan# 1022

Delta R.T. -0.000 min

Lab File: VD075347.D

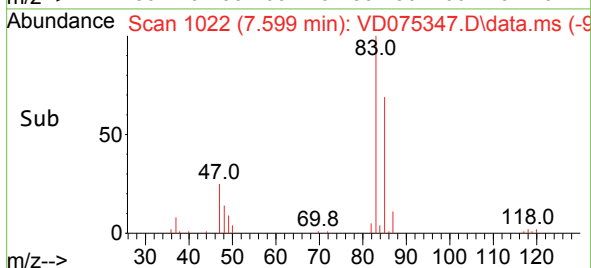
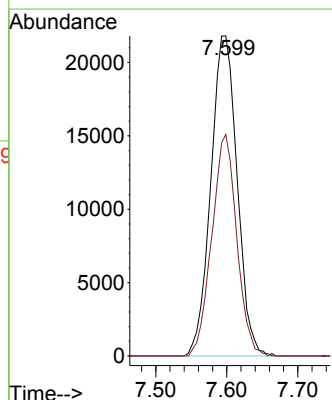
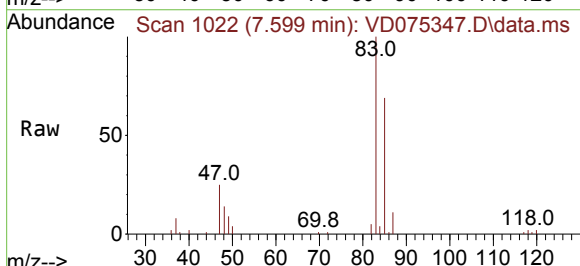
Acq: 14 Feb 2023 17:10

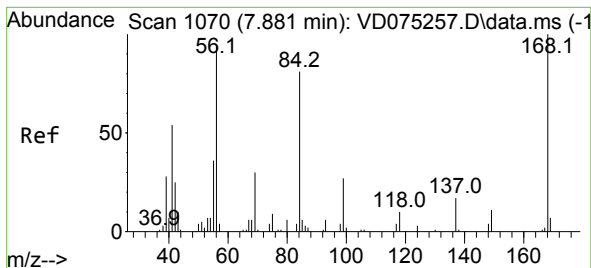
Tgt Ion: 83 Resp: 56156

Ion Ratio Lower Upper

83 100

85 69.2 48.5 72.7





#31

Cyclohexane

Concen: 45.568 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. 0.000 min

Lab File: VD075347.D

Acq: 14 Feb 2023 17:10

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

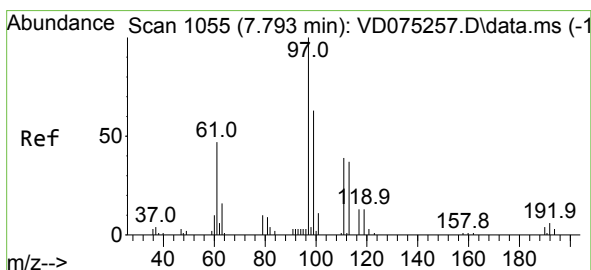
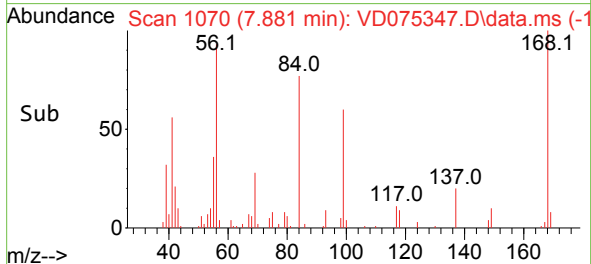
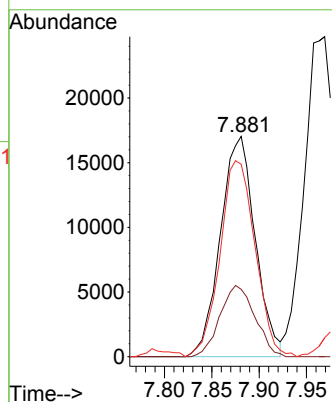
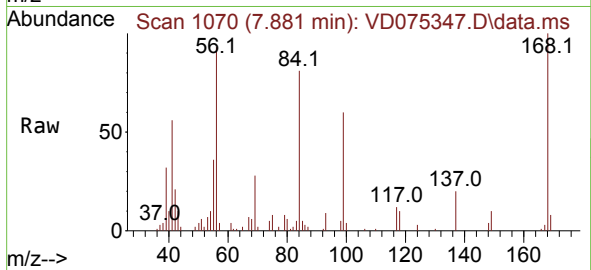
Tgt Ion: 56 Resp: 43472

Ion Ratio Lower Upper

56 100

69 30.6 26.6 40.0

84 85.6 74.1 111.1



#32

1,1,1-Trichloroethane

Concen: 50.952 ug/l

RT: 7.793 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VD075347.D

Acq: 14 Feb 2023 17:10

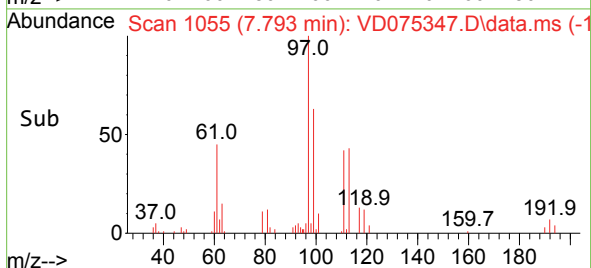
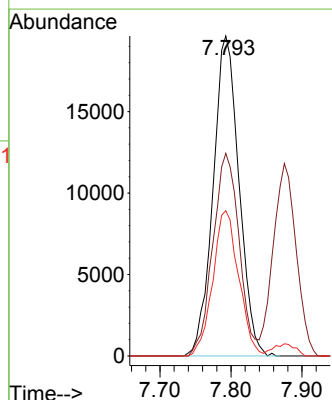
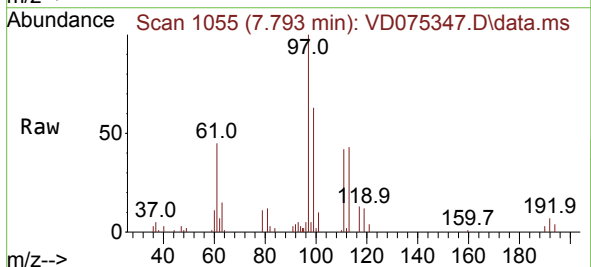
Tgt Ion: 97 Resp: 49634

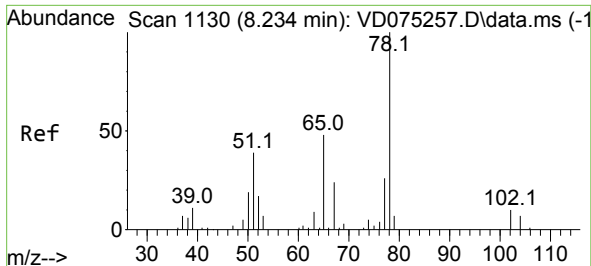
Ion Ratio Lower Upper

97 100

99 64.7 51.7 77.5

61 45.4 36.3 54.5





#33

1,2-Dichloroethane-d4

Concen: 53.035 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD075347.D

Acq: 14 Feb 2023 17:10

Instrument :

MSVOA\_D

ClientSampleId :

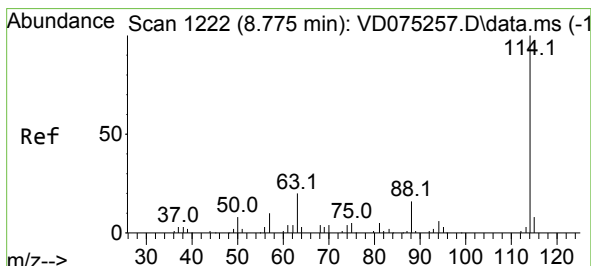
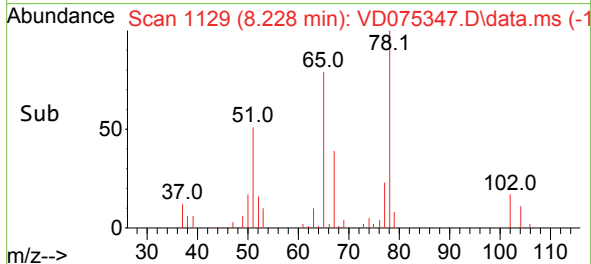
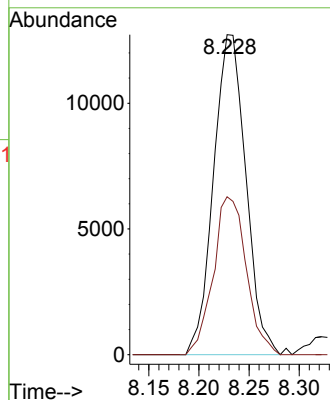
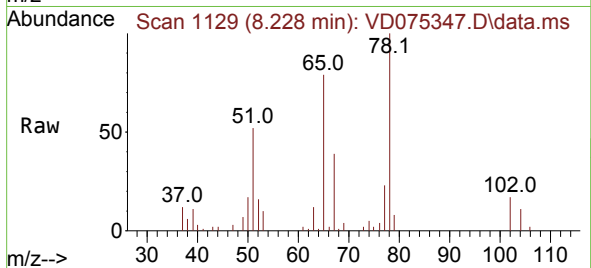
VSTDCCC050EC

Tgt Ion: 65 Resp: 28493

Ion Ratio Lower Upper

65 100

67 50.4 0.0 105.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. 0.006 min

Lab File: VD075347.D

Acq: 14 Feb 2023 17:10

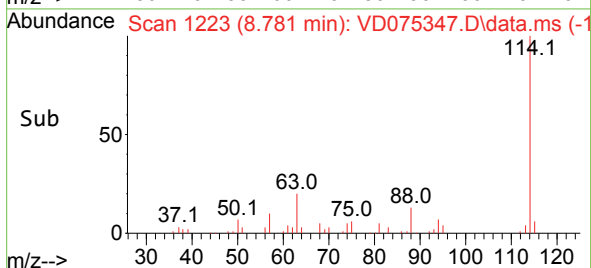
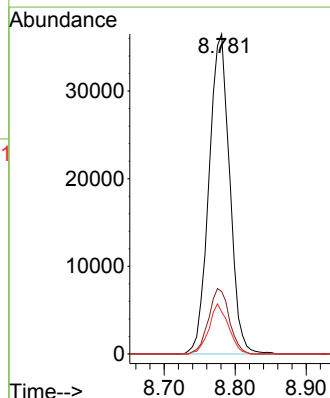
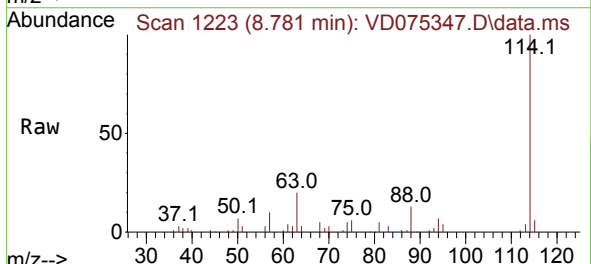
Tgt Ion: 114 Resp: 73835

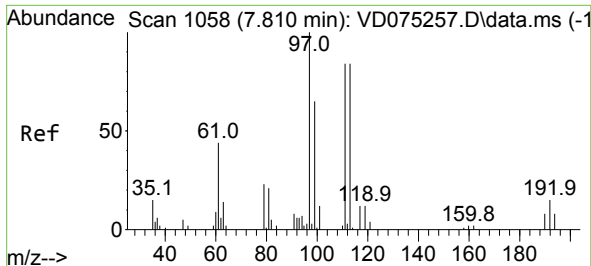
Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.2

88 13.2 0.0 32.2





#35

Dibromofluoromethane

Concen: 54.747 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.005 min

Lab File: VD075347.D

Acq: 14 Feb 2023 17:10

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

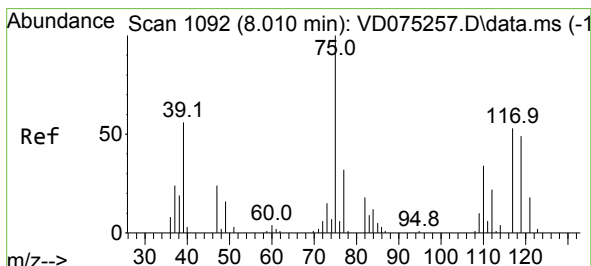
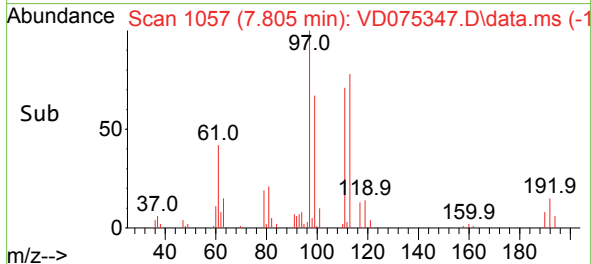
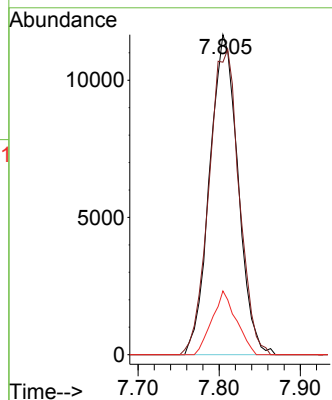
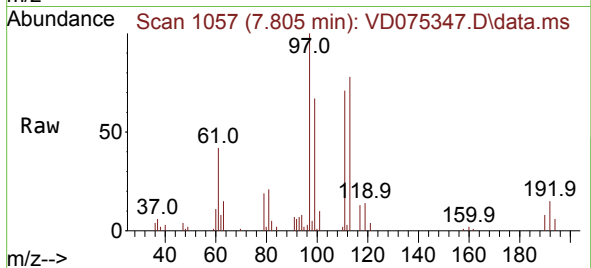
Tgt Ion:113 Resp: 28344

Ion Ratio Lower Upper

113 100

111 101.2 80.1 120.1

192 16.9 15.4 23.0



#36

1,1-Dichloropropene

Concen: 50.837 ug/l

RT: 8.010 min Scan# 1092

Delta R.T. 0.000 min

Lab File: VD075347.D

Acq: 14 Feb 2023 17:10

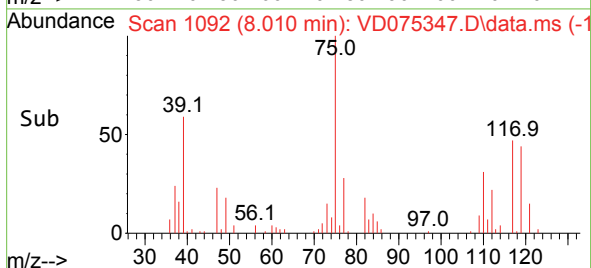
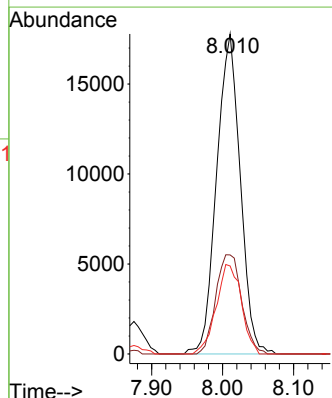
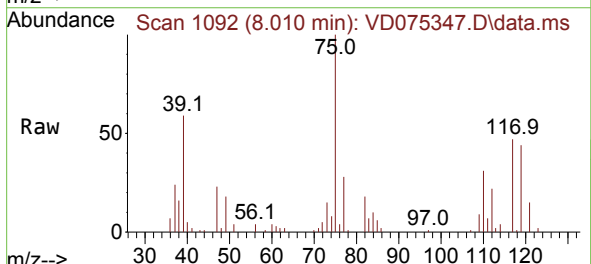
Tgt Ion: 75 Resp: 41000

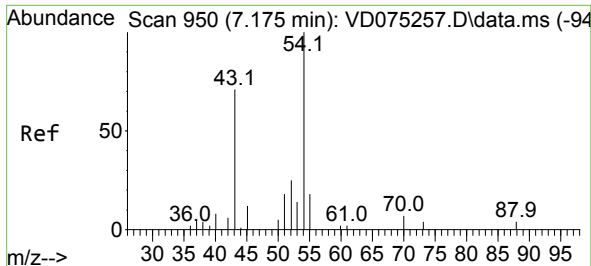
Ion Ratio Lower Upper

75 100

110 33.9 18.1 54.4

77 29.7 25.1 37.7





#37

Ethyl Acetate

Concen: 45.915 ug/l

RT: 7.169 min Scan# 949

Delta R.T. -0.006 min

Lab File: VD075347.D

Acq: 14 Feb 2023 17:10

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

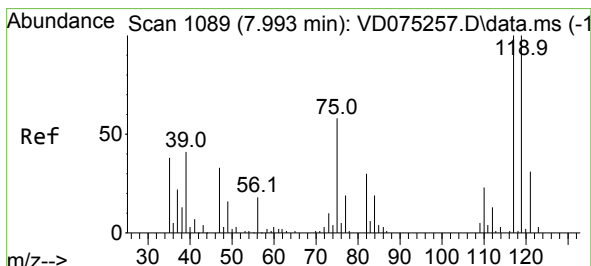
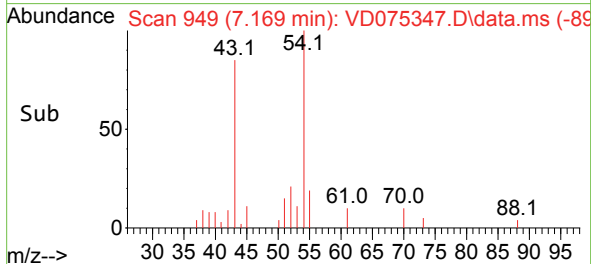
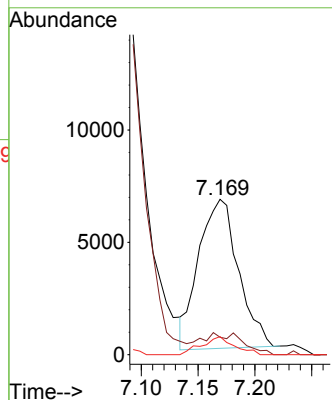
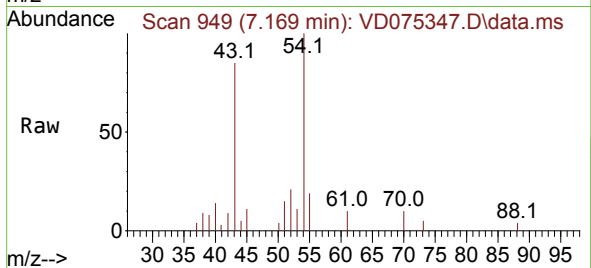
Tgt Ion: 43 Resp: 16150

Ion Ratio Lower Upper

43 100

61 15.5 11.7 17.5

70 9.8 8.8 13.2



#38

Carbon Tetrachloride

Concen: 53.834 ug/l

RT: 7.993 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD075347.D

Acq: 14 Feb 2023 17:10

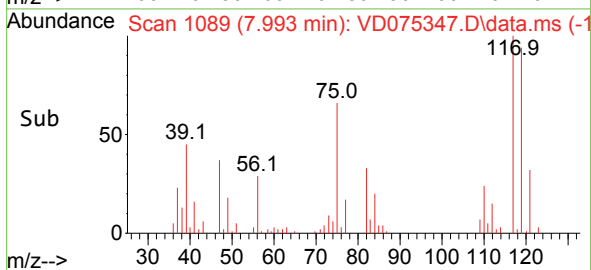
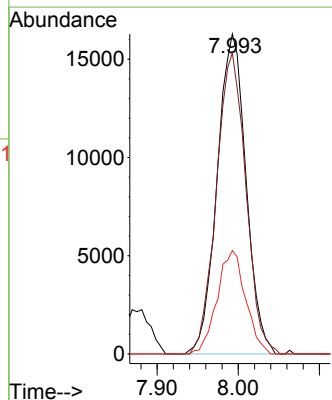
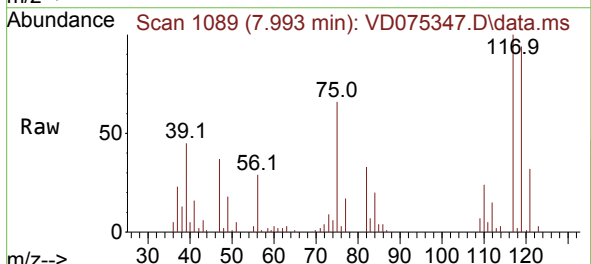
Tgt Ion: 117 Resp: 40232

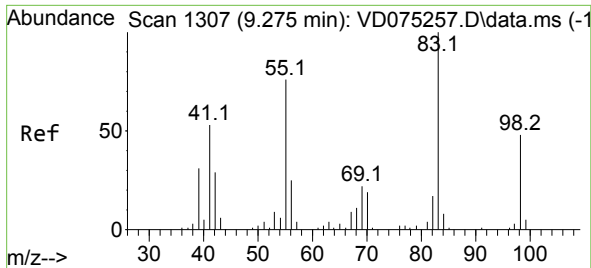
Ion Ratio Lower Upper

117 100

119 94.1 73.6 110.4

121 32.3 25.4 38.0





#39

Methylcyclohexane

Concen: 49.549 ug/l

RT: 9.275 min Scan# 11307

Delta R.T. 0.000 min

Lab File: VD075347.D

Acq: 14 Feb 2023 17:10

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

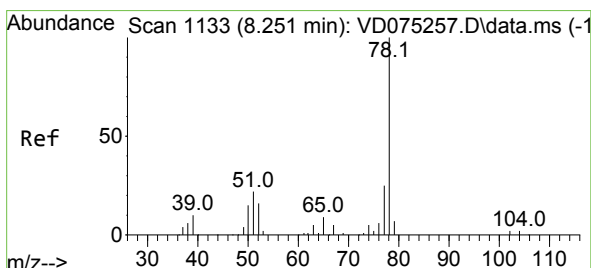
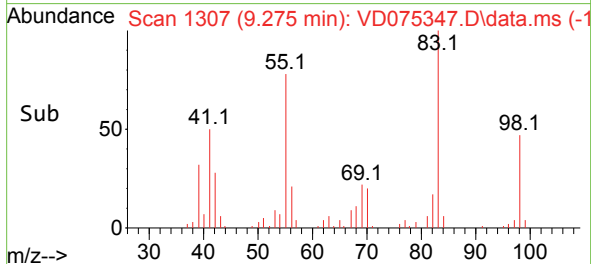
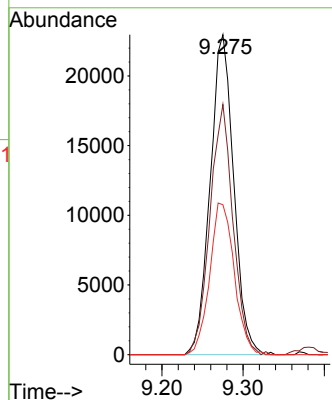
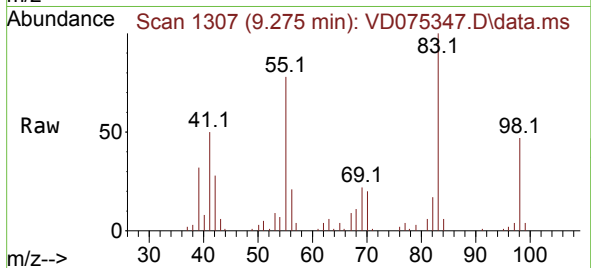
Tgt Ion: 83 Resp: 46255

Ion Ratio Lower Upper

83 100

55 78.2 60.0 90.0

98 46.8 39.0 58.4



#40

Benzene

Concen: 51.413 ug/l

RT: 8.252 min Scan# 1133

Delta R.T. 0.001 min

Lab File: VD075347.D

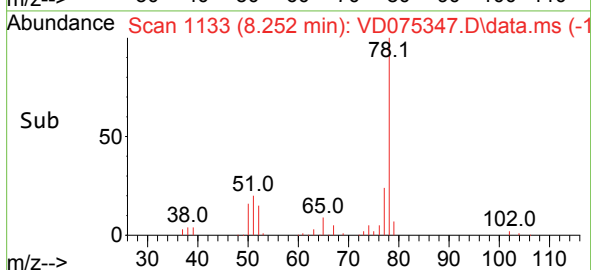
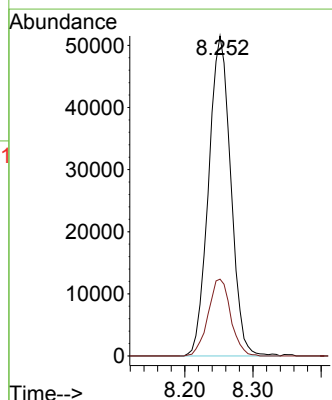
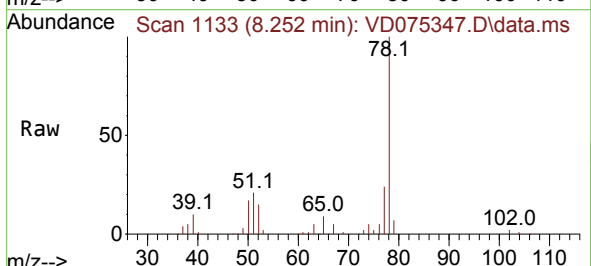
Acq: 14 Feb 2023 17:10

Tgt Ion: 78 Resp: 116537

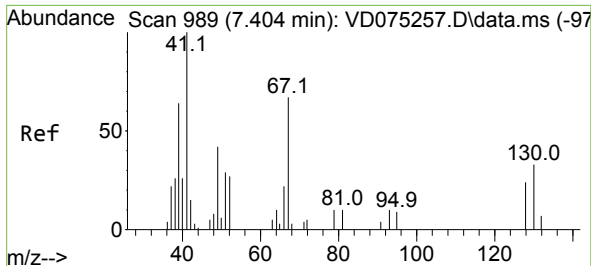
Ion Ratio Lower Upper

78 100

77 24.0 19.8 29.6



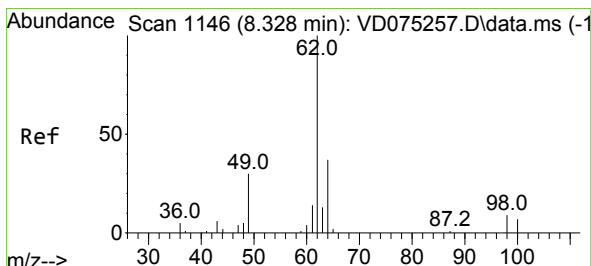
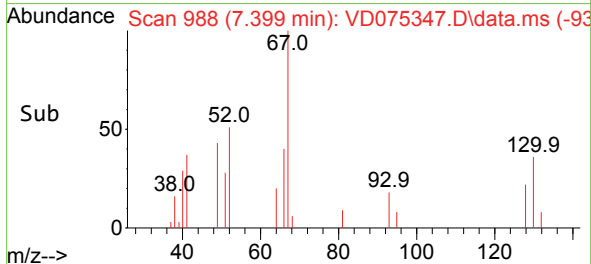
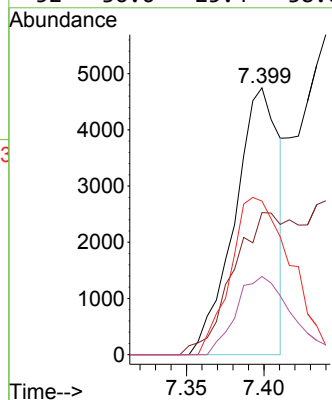
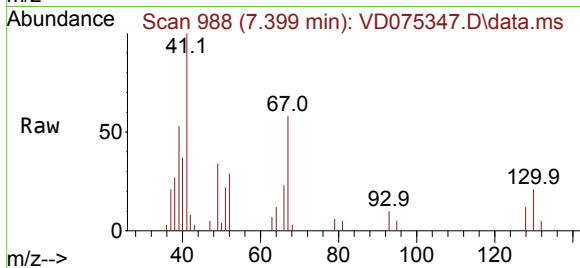




#41  
Methacrylonitrile  
Concen: 44.971 ug/l  
RT: 7.399 min Scan# 91  
Delta R.T. -0.005 min  
Lab File: VD075347.D  
Acq: 14 Feb 2023 17:10

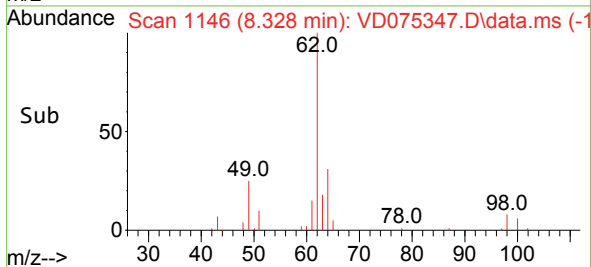
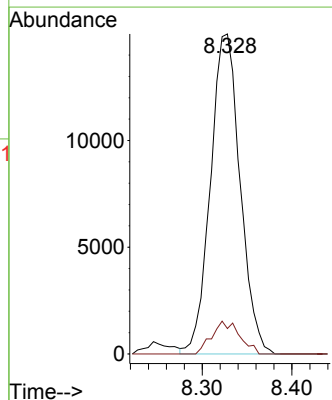
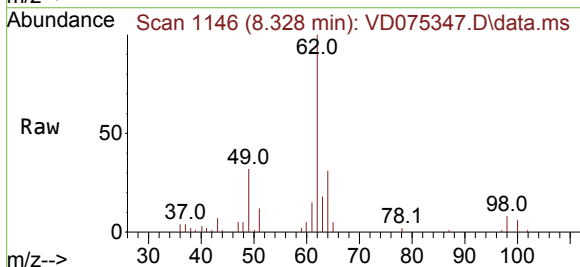
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

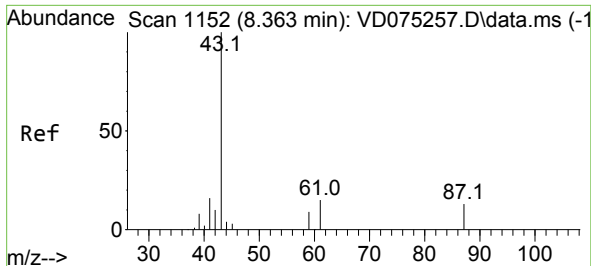
|             |             |
|-------------|-------------|
| Tgt Ion: 41 | Resp: 9436  |
| Ion Ratio   | Lower Upper |
| 41 100      |             |
| 39 75.4     | 57.8 86.6   |
| 67 80.4     | 60.5 90.7   |
| 52 36.6     | 25.4 38.0   |



#42  
1,2-Dichloroethane  
Concen: 52.404 ug/l  
RT: 8.328 min Scan# 1146  
Delta R.T. 0.000 min  
Lab File: VD075347.D  
Acq: 14 Feb 2023 17:10

|             |             |
|-------------|-------------|
| Tgt Ion: 62 | Resp: 34390 |
| Ion Ratio   | Lower Upper |
| 62 100      |             |
| 98 9.6      | 0.0 19.2    |

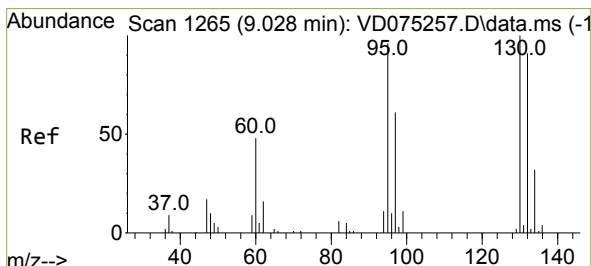
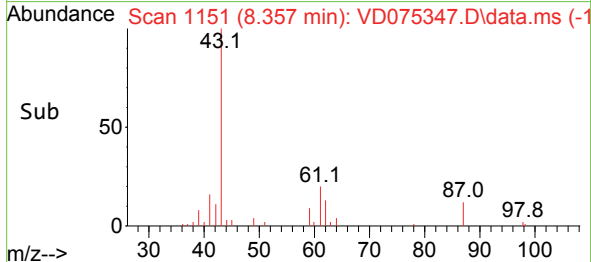
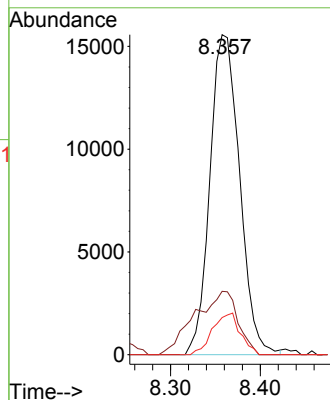
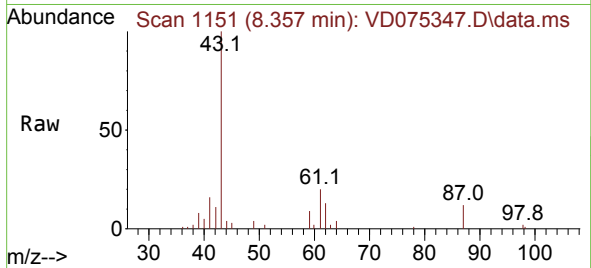




#43  
Isopropyl Acetate  
Concen: 53.240 ug/l  
RT: 8.357 min Scan# 1151  
Delta R.T. -0.006 min  
Lab File: VD075347.D  
Acq: 14 Feb 2023 17:10

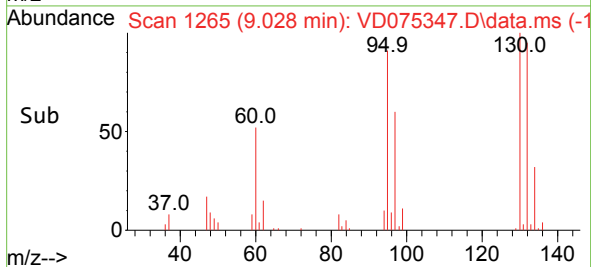
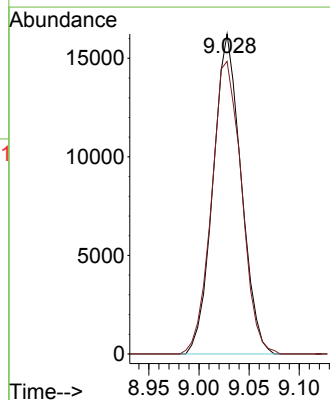
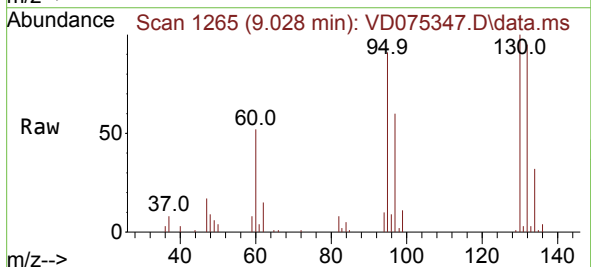
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

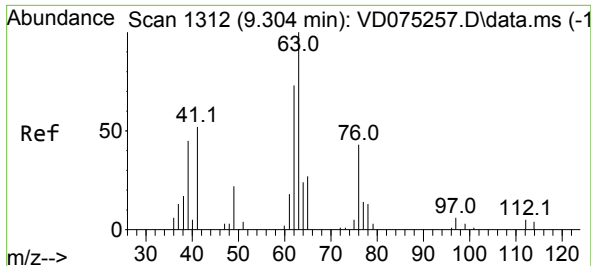
|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 35782 |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 61 28.7     | 25.0 37.6   |
| 87 12.2     | 10.6 16.0   |



#44  
Trichloroethene  
Concen: 50.464 ug/l  
RT: 9.028 min Scan# 1265  
Delta R.T. 0.000 min  
Lab File: VD075347.D  
Acq: 14 Feb 2023 17:10

|             |       |       |       |
|-------------|-------|-------|-------|
| Tgt Ion:130 | Resp: | 31531 |       |
| Ion         | Ratio | Lower | Upper |
| 130         | 100   |       |       |
| 95          | 91.5  | 0.0   | 188.6 |





#45

1,2-Dichloropropane

Concen: 52.805 ug/l

RT: 9.304 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD075347.D

Acq: 14 Feb 2023 17:10

Instrument :

MSVOA\_D

ClientSampleId :

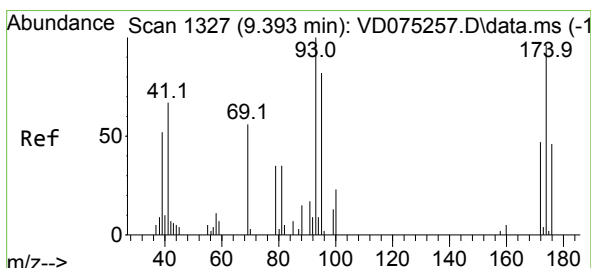
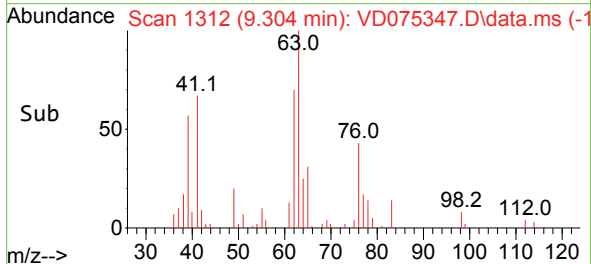
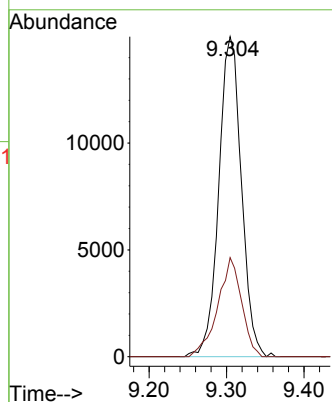
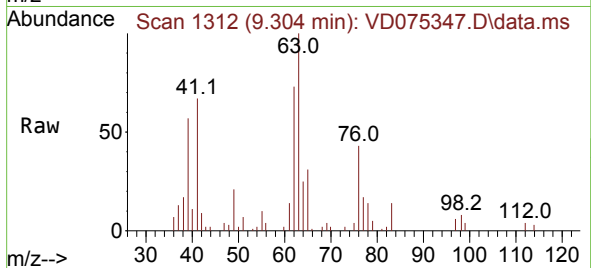
VSTDCCC050EC

Tgt Ion: 63 Resp: 30398

Ion Ratio Lower Upper

63 100

65 30.9 25.1 37.7



#46

Dibromomethane

Concen: 53.700 ug/l

RT: 9.393 min Scan# 1327

Delta R.T. -0.000 min

Lab File: VD075347.D

Acq: 14 Feb 2023 17:10

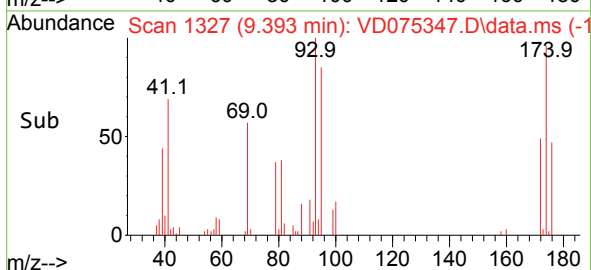
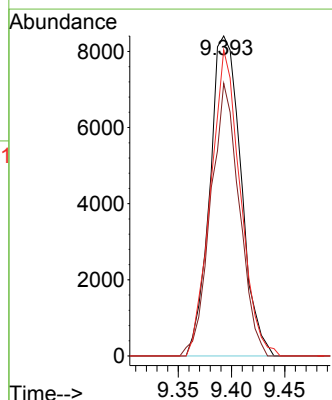
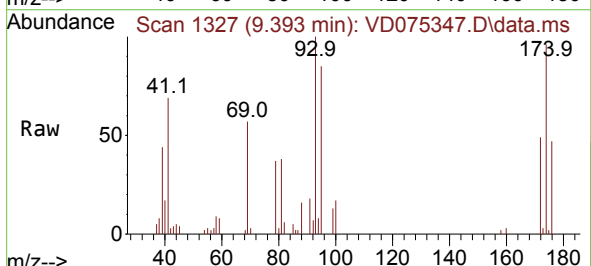
Tgt Ion: 93 Resp: 17131

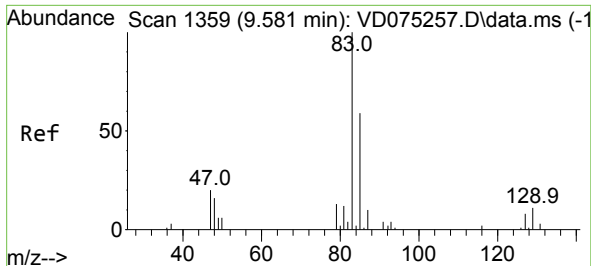
Ion Ratio Lower Upper

93 100

95 78.1 68.3 102.5

174 90.6 77.4 116.0

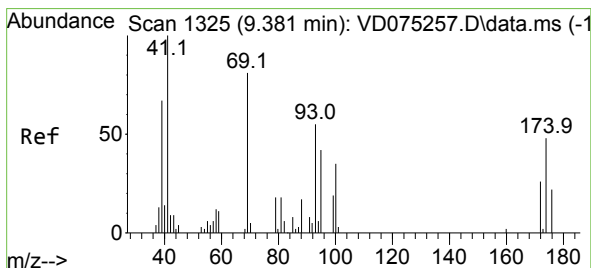
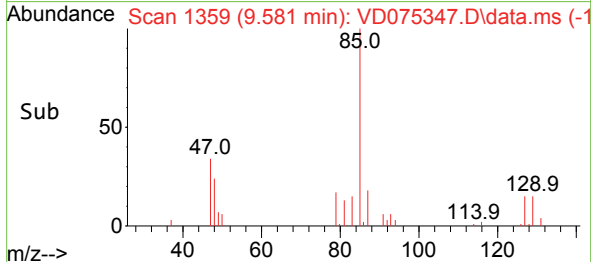
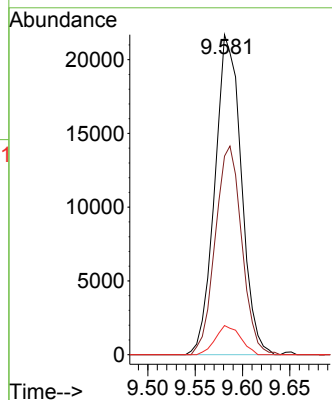
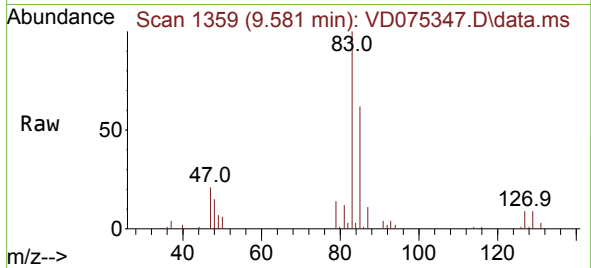




#47  
Bromodichloromethane  
Concen: 53.130 ug/l  
RT: 9.581 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD075347.D  
Acq: 14 Feb 2023 17:10

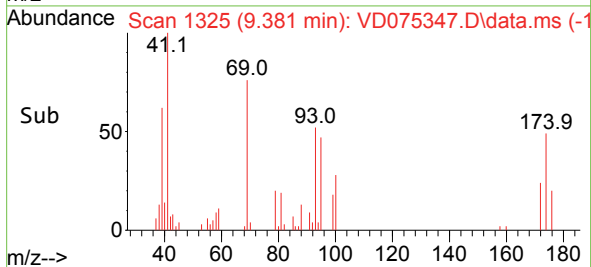
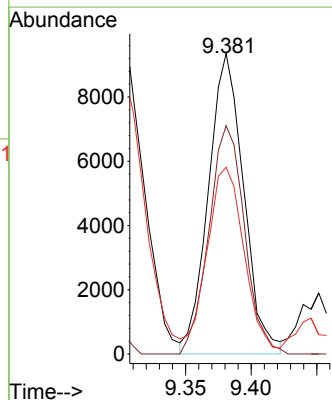
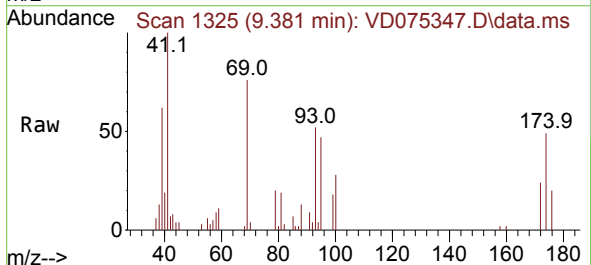
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

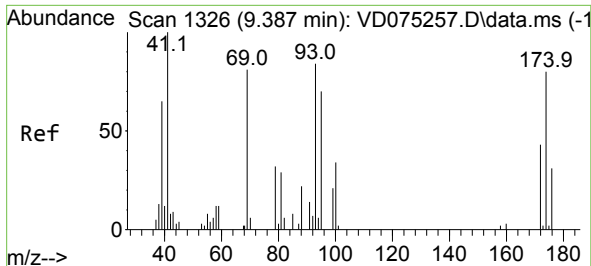
Tgt Ion: 83 Resp: 42183  
Ion Ratio Lower Upper  
83 100  
85 62.1 53.0 79.4  
127 9.1 7.0 10.4



#48  
Methyl methacrylate  
Concen: 54.736 ug/l  
RT: 9.381 min Scan# 1325  
Delta R.T. -0.000 min  
Lab File: VD075347.D  
Acq: 14 Feb 2023 17:10

Tgt Ion: 41 Resp: 17471  
Ion Ratio Lower Upper  
41 100  
69 76.7 67.8 101.6  
39 60.8 46.0 69.0





#49

1,4-Dioxane

Concen: 999.648 ug/l

RT: 9.387 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD075347.D

Acq: 14 Feb 2023 17:10

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

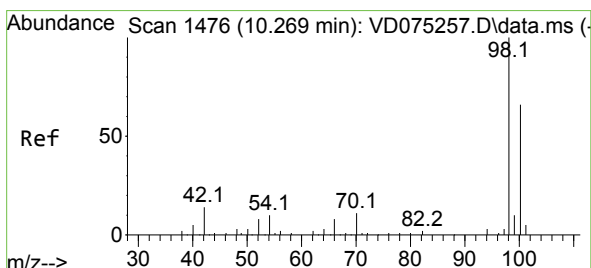
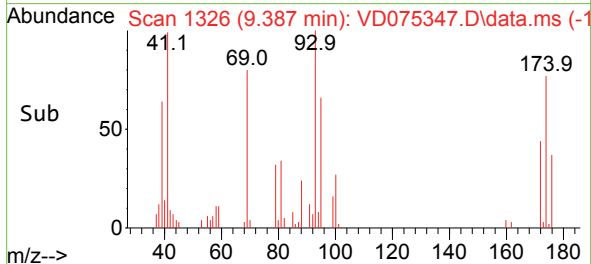
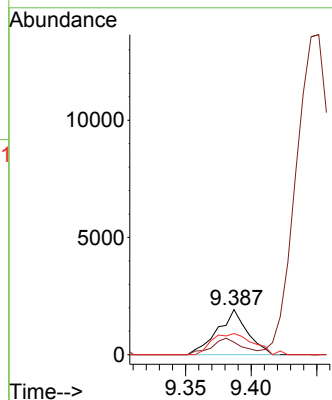
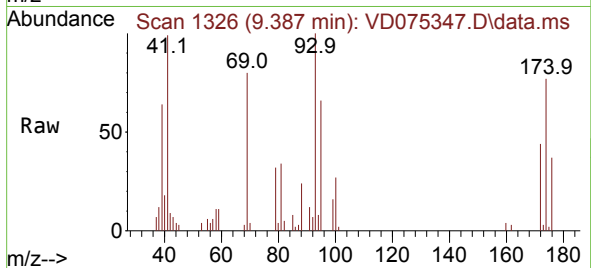
Tgt Ion: 88 Resp: 3041

Ion Ratio Lower Upper

88 100

43 36.7 35.6 53.4

58 65.0 57.4 86.2



#50

Toluene-d8

Concen: 52.173 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD075347.D

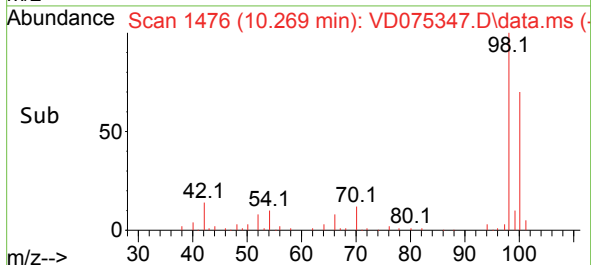
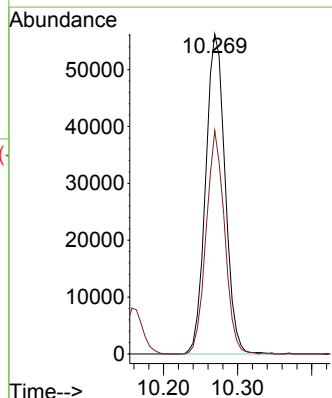
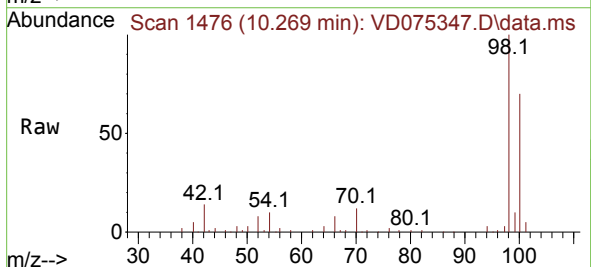
Acq: 14 Feb 2023 17:10

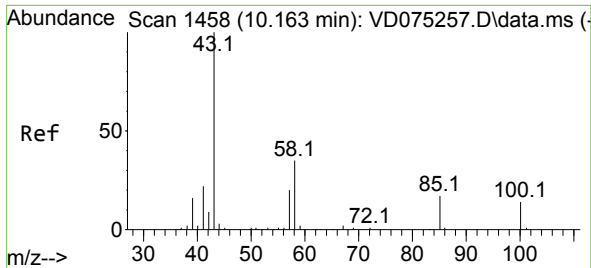
Tgt Ion: 98 Resp: 102438

Ion Ratio Lower Upper

98 100

100 66.2 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 280.944 ug/l

RT: 10.157 min Scan# 1457

Delta R.T. -0.006 min

Lab File: VD075347.D

Acq: 14 Feb 2023 17:10

Instrument :

MSVOA\_D

ClientSampleId :

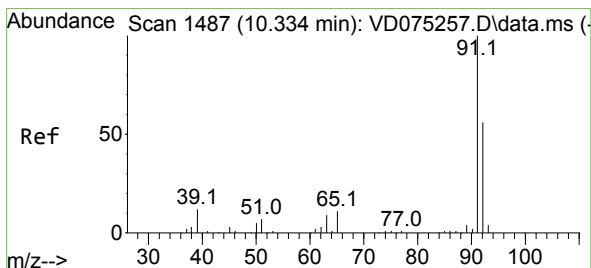
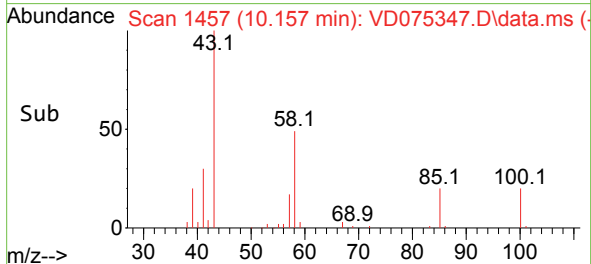
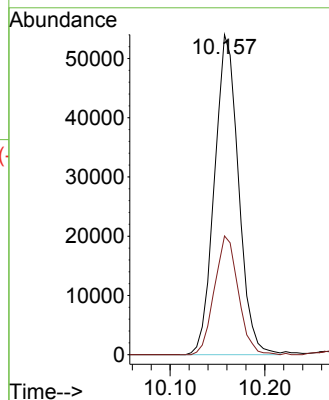
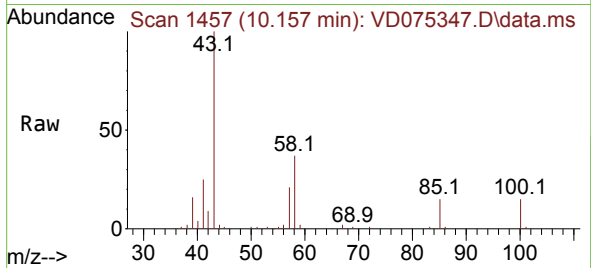
VSTDCCC050EC

Tgt Ion: 43 Resp: 95459

Ion Ratio Lower Upper

43 100

58 36.7 31.4 47.0



#52

Toluene

Concen: 52.845 ug/l

RT: 10.334 min Scan# 1487

Delta R.T. -0.000 min

Lab File: VD075347.D

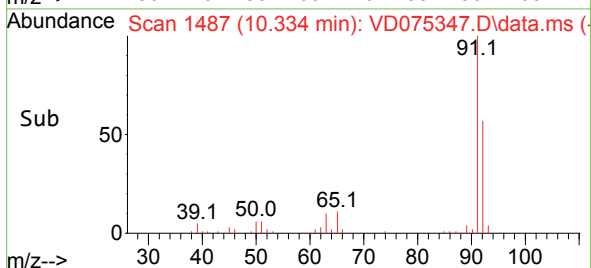
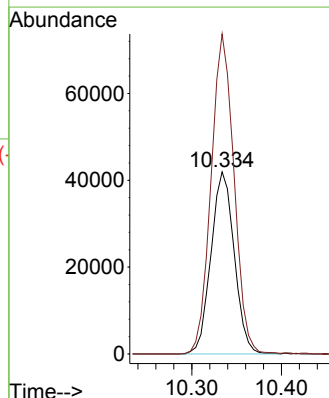
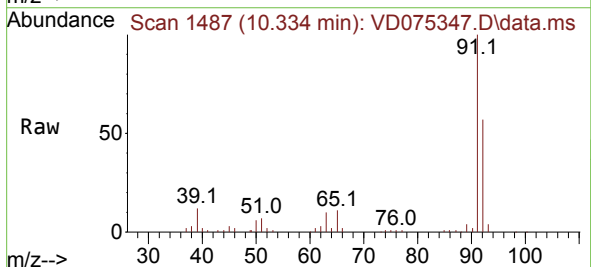
Acq: 14 Feb 2023 17:10

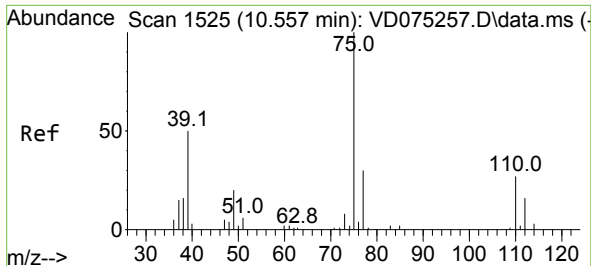
Tgt Ion: 92 Resp: 75447

Ion Ratio Lower Upper

92 100

91 173.5 137.0 205.4

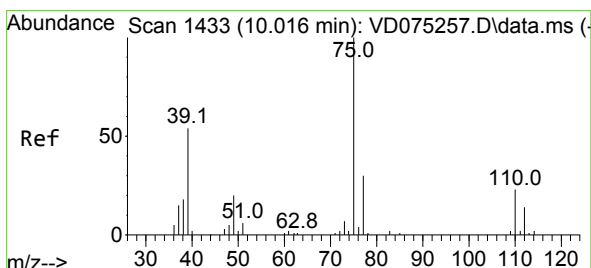
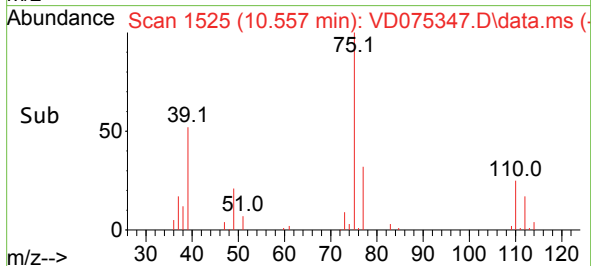
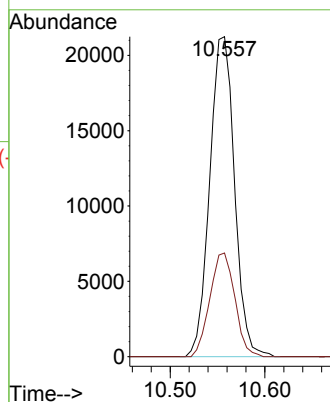
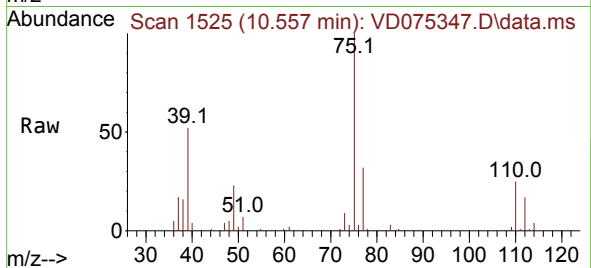




#53  
 t-1,3-Dichloropropene  
 Concen: 56.302 ug/l  
 RT: 10.557 min Scan# 1525  
 Delta R.T. 0.000 min  
 Lab File: VD075347.D  
 Acq: 14 Feb 2023 17:10

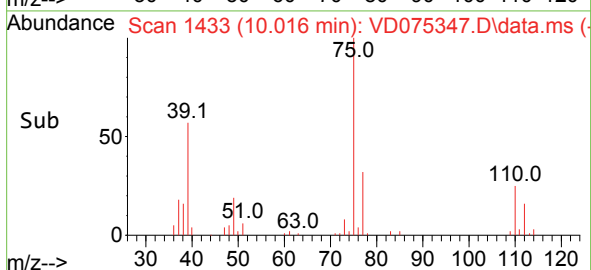
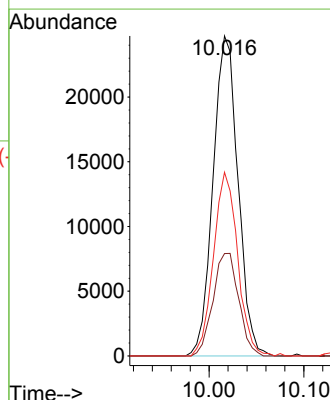
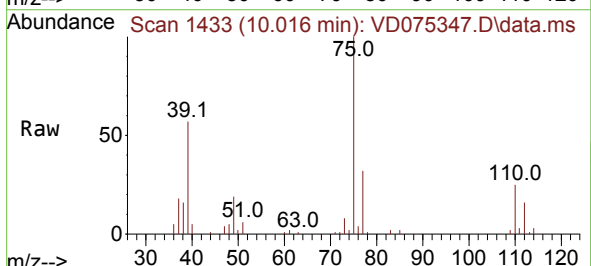
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

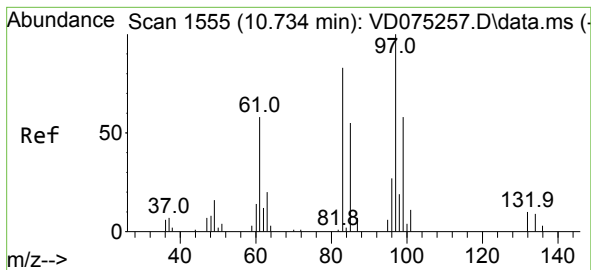
Tgt Ion: 75 Resp: 38720  
 Ion Ratio Lower Upper  
 75 100  
 77 32.4 25.0 37.6



#54  
 cis-1,3-Dichloropropene  
 Concen: 54.995 ug/l  
 RT: 10.016 min Scan# 1433  
 Delta R.T. 0.000 min  
 Lab File: VD075347.D  
 Acq: 14 Feb 2023 17:10

Tgt Ion: 75 Resp: 45219  
 Ion Ratio Lower Upper  
 75 100  
 77 32.0 25.1 37.7  
 39 57.4 37.9 56.9#

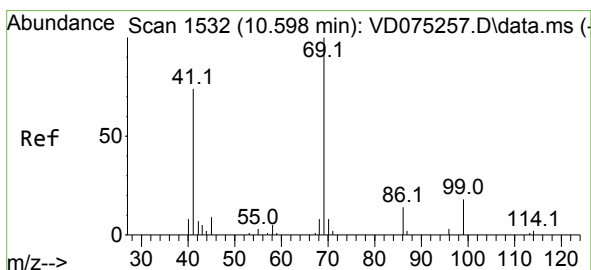
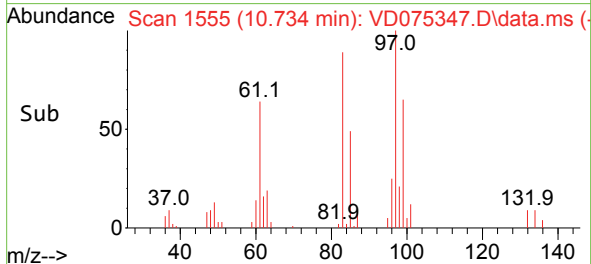
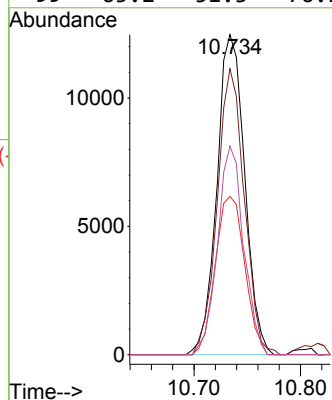
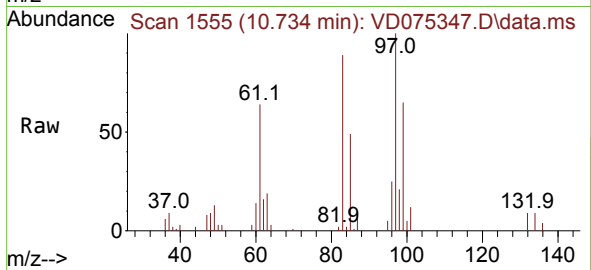




#55  
 1,1,2-Trichloroethane  
 Concen: 55.421 ug/l  
 RT: 10.734 min Scan# 1555  
 Delta R.T. -0.000 min  
 Lab File: VD075347.D  
 Acq: 14 Feb 2023 17:10

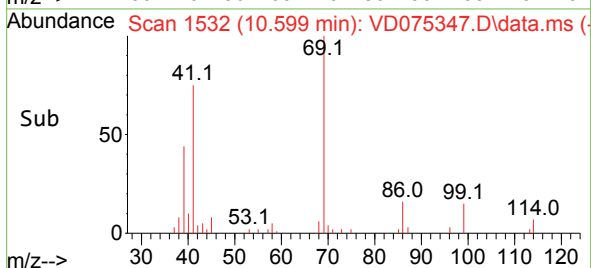
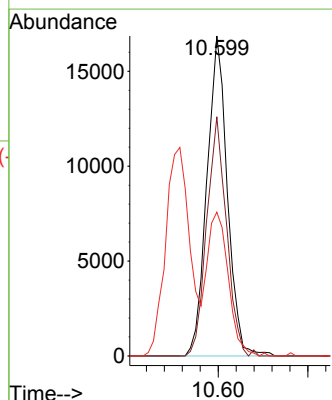
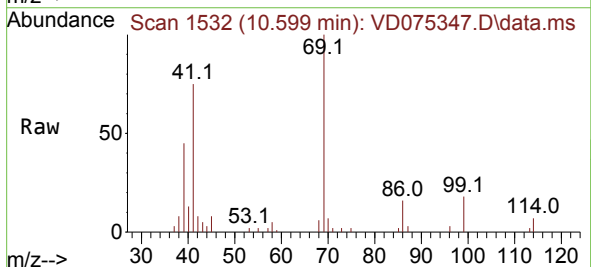
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 22569 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 89.3  | 69.4  | 104.0 |
| 85       | 49.5  | 46.0  | 69.0  |
| 99       | 65.2  | 51.3  | 76.9  |

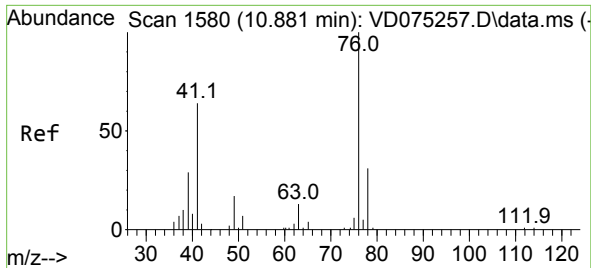


#56  
 Ethyl methacrylate  
 Concen: 56.258 ug/l  
 RT: 10.599 min Scan# 1532  
 Delta R.T. 0.000 min  
 Lab File: VD075347.D  
 Acq: 14 Feb 2023 17:10

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 26634 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 72.5  | 55.7  | 83.5  |
| 39       | 46.2  | 31.4  | 47.0  |







#57

1,3-Dichloropropane

Concen: 53.920 ug/l

RT: 10.881 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD075347.D

Acq: 14 Feb 2023 17:10

Instrument :

MSVOA\_D

ClientSampleId :

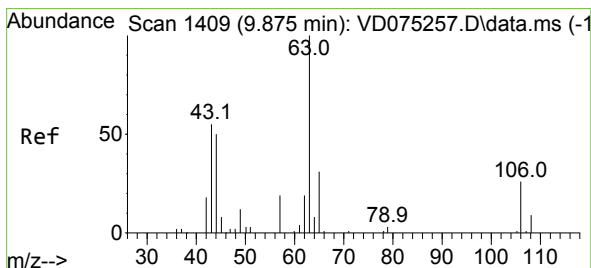
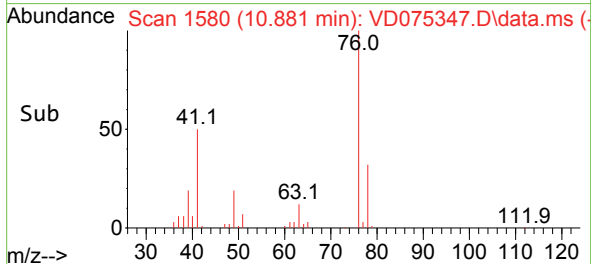
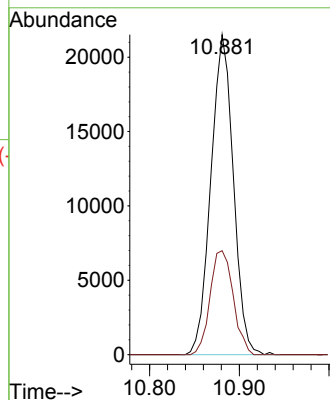
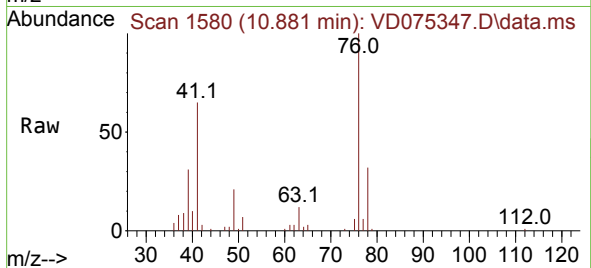
VSTDCCC050EC

Tgt Ion: 76 Resp: 37406

Ion Ratio Lower Upper

76 100

78 33.4 26.2 39.2



#58

2-Chloroethyl Vinyl ether

Concen: 311.953 ug/l

RT: 9.869 min Scan# 1408

Delta R.T. -0.006 min

Lab File: VD075347.D

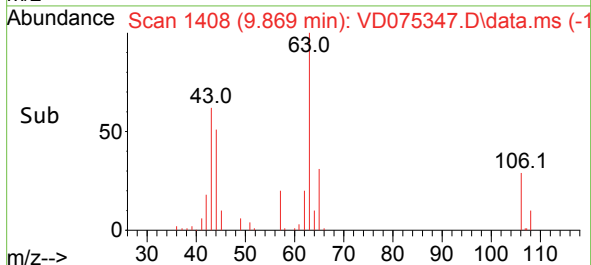
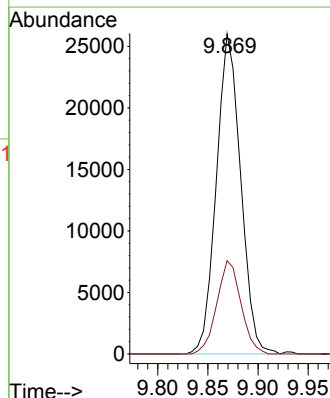
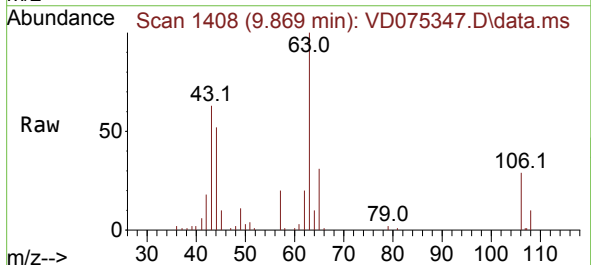
Acq: 14 Feb 2023 17:10

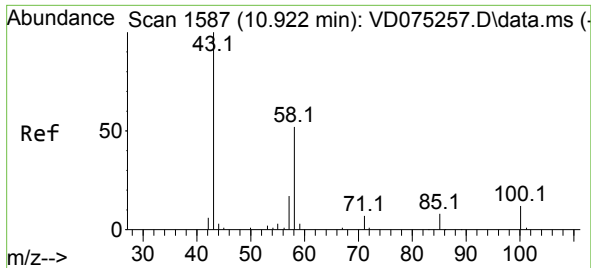
Tgt Ion: 63 Resp: 43821

Ion Ratio Lower Upper

63 100

106 29.0 22.6 33.8

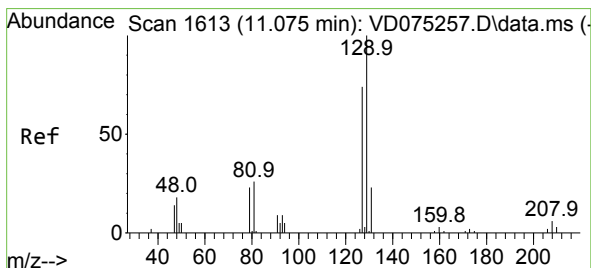
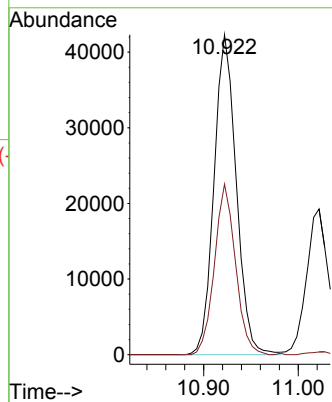
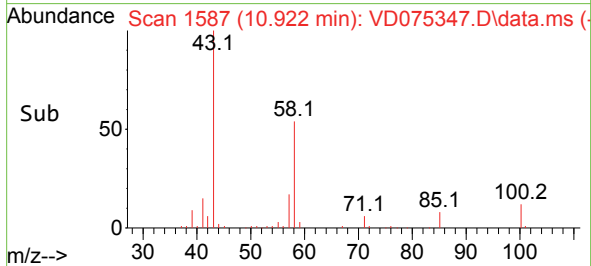
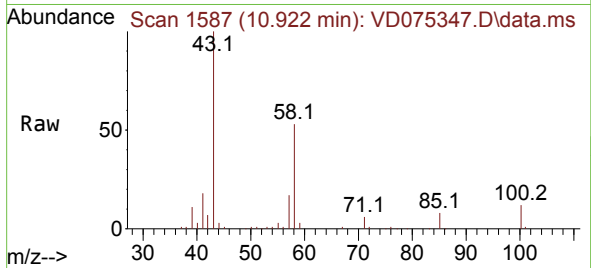




#59  
2-Hexanone  
Concen: 277.903 ug/l  
RT: 10.922 min Scan# 1587  
Delta R.T. 0.000 min  
Lab File: VD075347.D  
Acq: 14 Feb 2023 17:10

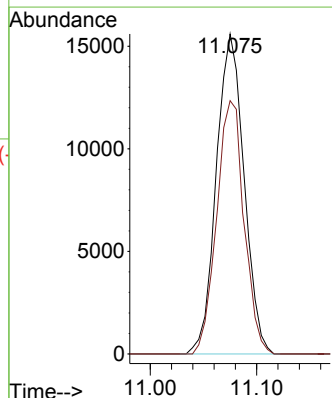
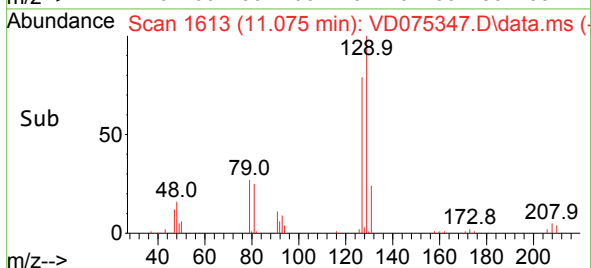
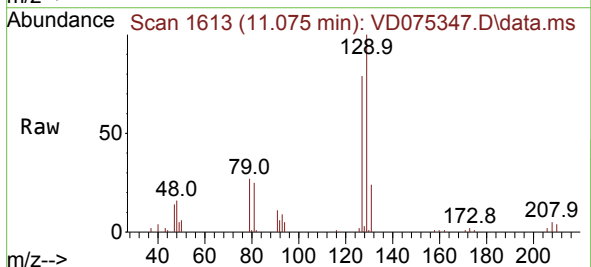
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

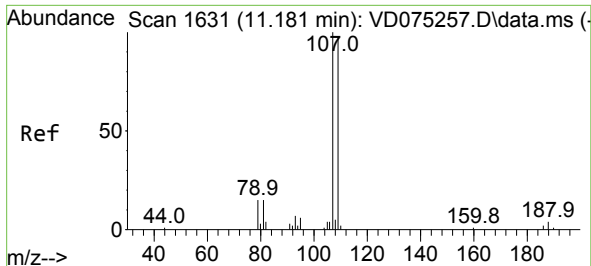
Tgt Ion: 43 Resp: 68986  
Ion Ratio Lower Upper  
43 100  
58 50.5 26.8 80.4



#60  
Dibromochloromethane  
Concen: 55.841 ug/l  
RT: 11.075 min Scan# 1613  
Delta R.T. -0.000 min  
Lab File: VD075347.D  
Acq: 14 Feb 2023 17:10

Tgt Ion: 129 Resp: 28174  
Ion Ratio Lower Upper  
129 100  
127 78.1 38.9 116.6

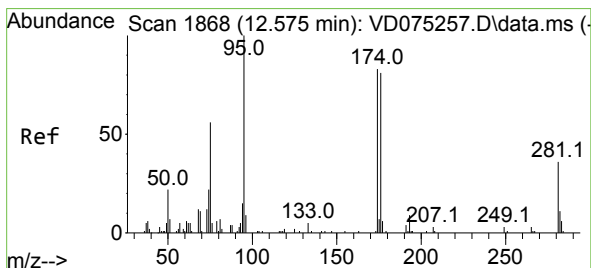
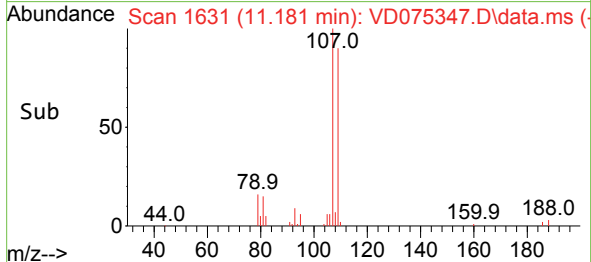
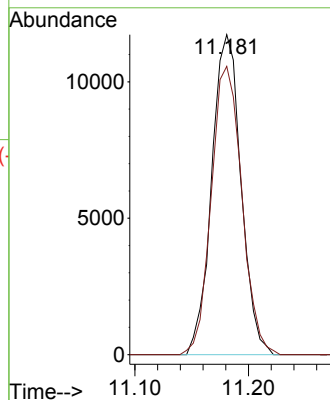
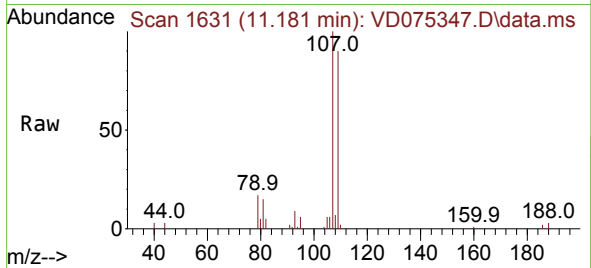




#61  
1,2-Dibromoethane  
Concen: 53.429 ug/l  
RT: 11.181 min Scan# 1631  
Delta R.T. -0.000 min  
Lab File: VD075347.D  
Acq: 14 Feb 2023 17:10

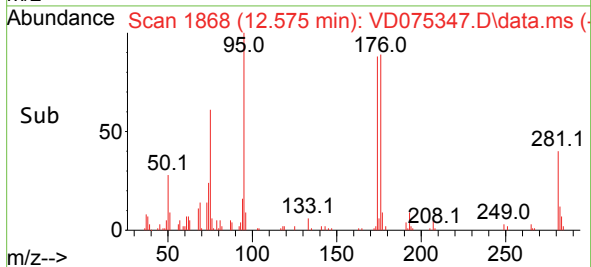
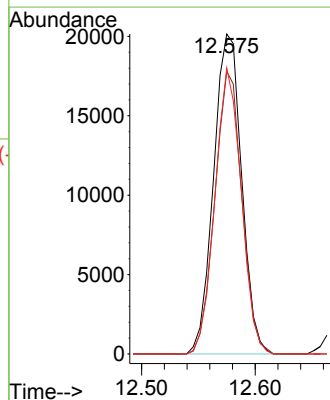
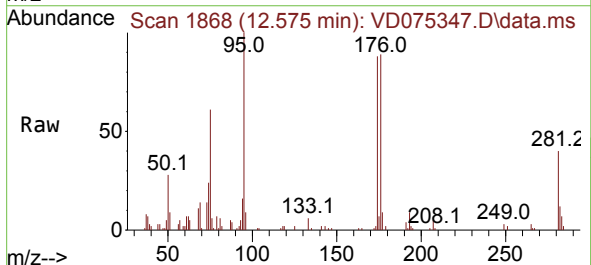
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

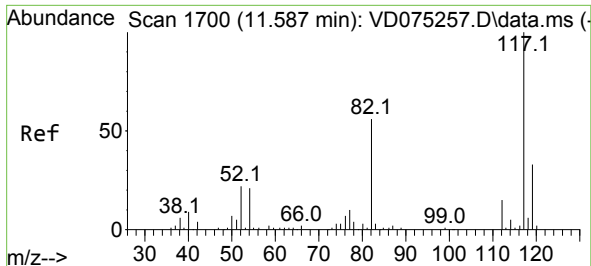
Tgt Ion:107 Resp: 20980  
Ion Ratio Lower Upper  
107 100  
109 94.1 75.2 112.8



#62  
4-Bromofluorobenzene  
Concen: 53.360 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. -0.000 min  
Lab File: VD075347.D  
Acq: 14 Feb 2023 17:10

Tgt Ion: 95 Resp: 34546  
Ion Ratio Lower Upper  
95 100  
174 85.2 0.0 161.2  
176 83.8 0.0 160.2

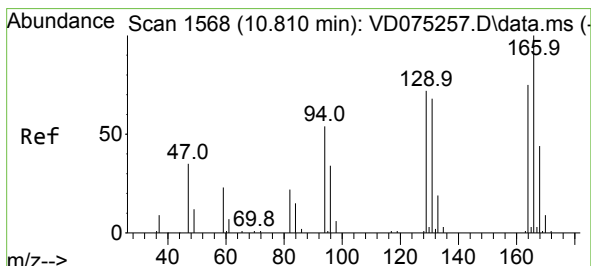
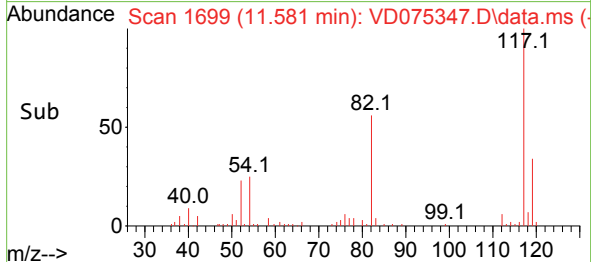
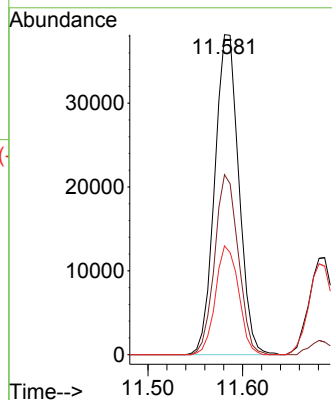
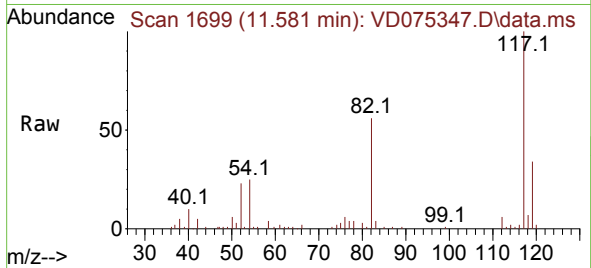




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 1  
Delta R.T. -0.006 min  
Lab File: VD075347.D  
Acq: 14 Feb 2023 17:10

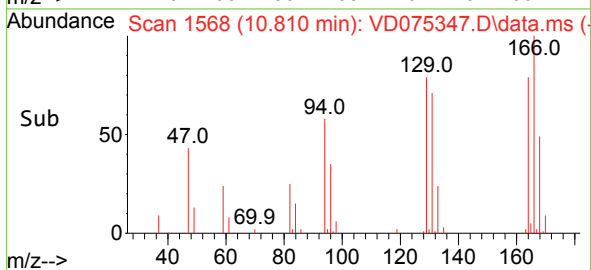
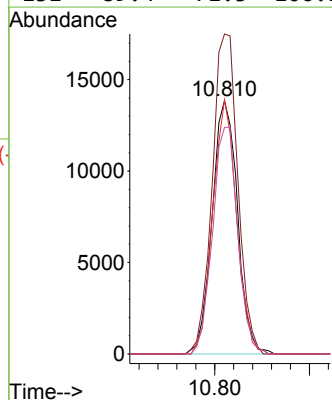
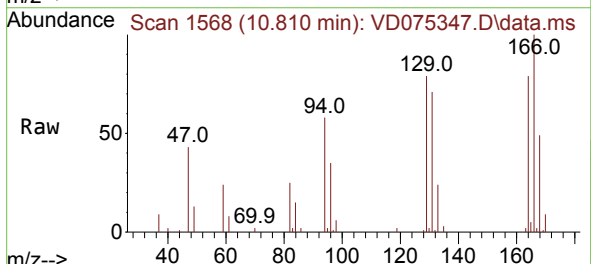
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

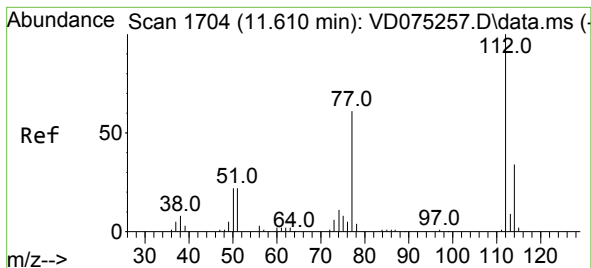
Tgt Ion:117 Resp: 67438  
Ion Ratio Lower Upper  
117 100  
82 56.3 39.6 59.4  
119 34.0 24.6 37.0



#64  
Tetrachloroethene  
Concen: 49.361 ug/l  
RT: 10.810 min Scan# 1568  
Delta R.T. 0.000 min  
Lab File: VD075347.D  
Acq: 14 Feb 2023 17:10

Tgt Ion:164 Resp: 25638  
Ion Ratio Lower Upper  
164 100  
166 126.3 105.3 157.9  
129 100.2 76.2 114.4  
131 89.4 71.3 106.9





#65

Chlorobenzene

Concen: 51.544 ug/l

RT: 11.610 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD075347.D

Acq: 14 Feb 2023 17:10

Instrument :

MSVOA\_D

ClientSampleId :

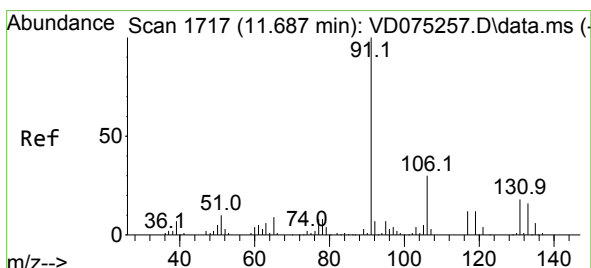
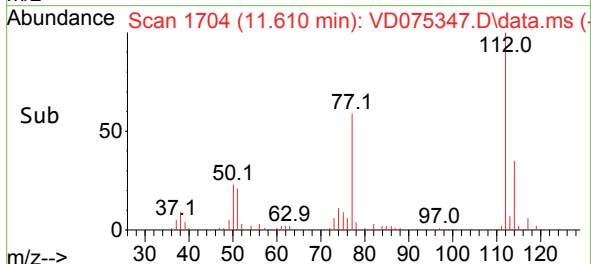
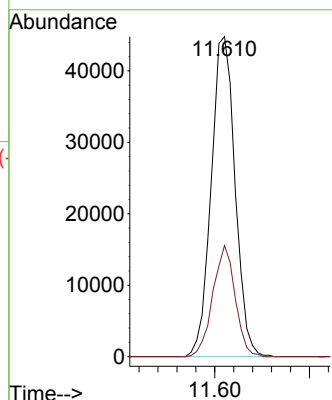
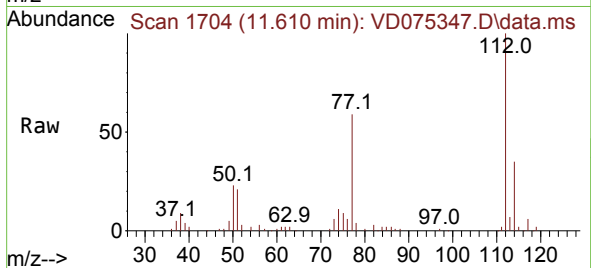
VSTDCCC050EC

Tgt Ion:112 Resp: 78390

Ion Ratio Lower Upper

112 100

114 34.7 24.7 37.1



#66

1,1,1,2-Tetrachloroethane

Concen: 53.344 ug/l

RT: 11.681 min Scan# 1716

Delta R.T. -0.006 min

Lab File: VD075347.D

Acq: 14 Feb 2023 17:10

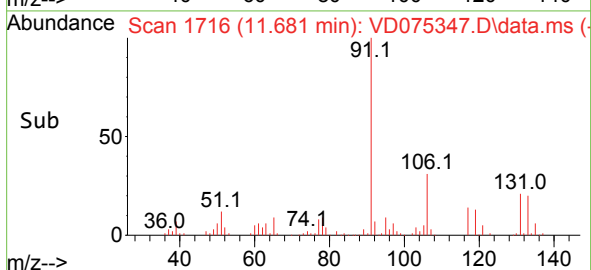
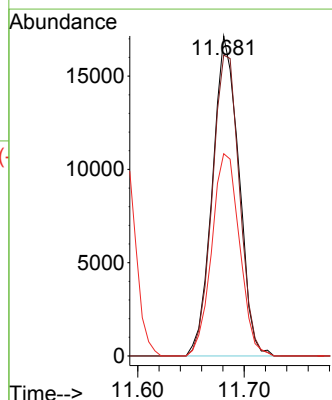
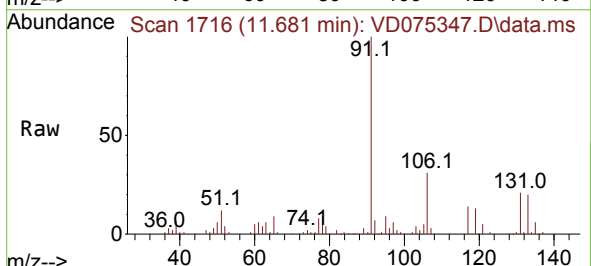
Tgt Ion:131 Resp: 29537

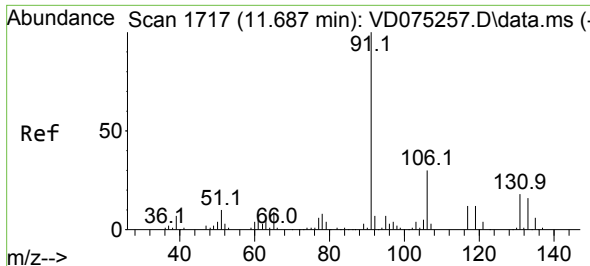
Ion Ratio Lower Upper

131 100

133 96.6 49.0 147.2

119 66.5 34.8 104.5

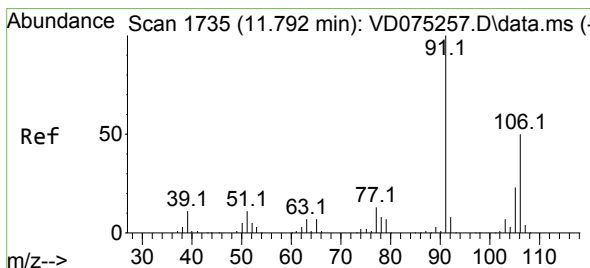
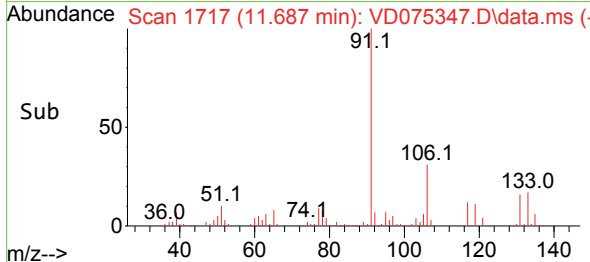
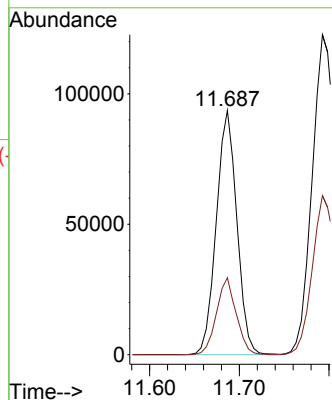
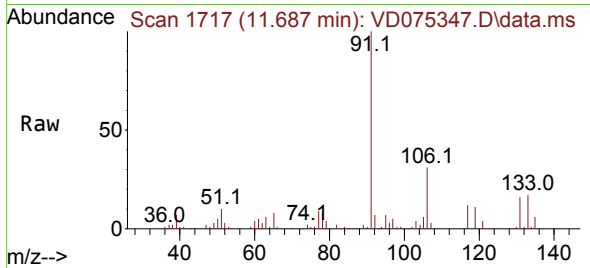




#67  
Ethyl Benzene  
Concen: 53.005 ug/l  
RT: 11.687 min Scan# 1717  
Delta R.T. -0.000 min  
Lab File: VD075347.D  
Acq: 14 Feb 2023 17:10

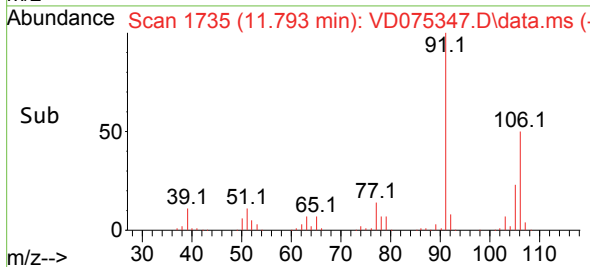
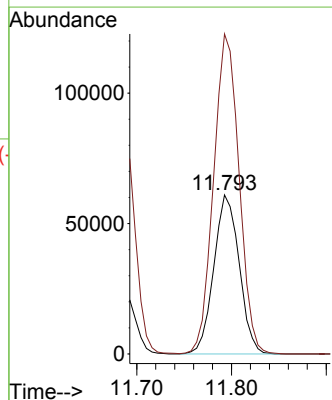
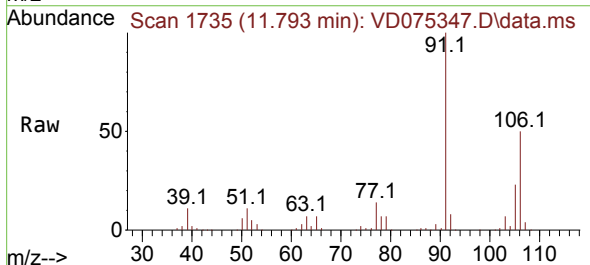
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

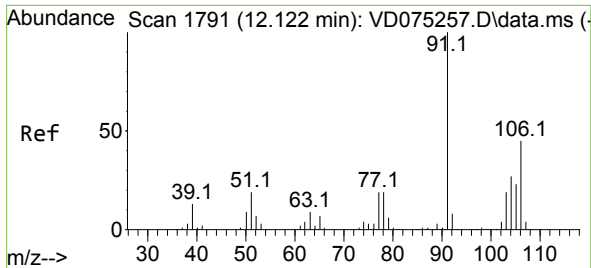
Tgt Ion: 91 Resp: 148825  
Ion Ratio Lower Upper  
91 100  
106 31.5 25.0 37.6



#68  
m/p-Xylenes  
Concen: 106.326 ug/l  
RT: 11.793 min Scan# 1735  
Delta R.T. 0.001 min  
Lab File: VD075347.D  
Acq: 14 Feb 2023 17:10

Tgt Ion:106 Resp: 113561  
Ion Ratio Lower Upper  
106 100  
91 201.9 160.3 240.5

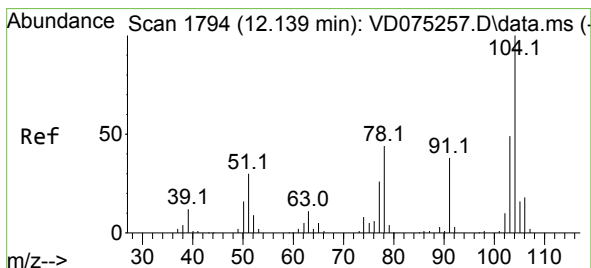
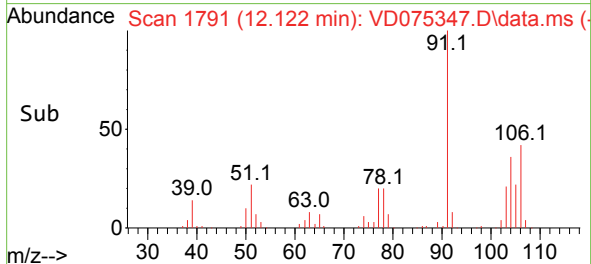
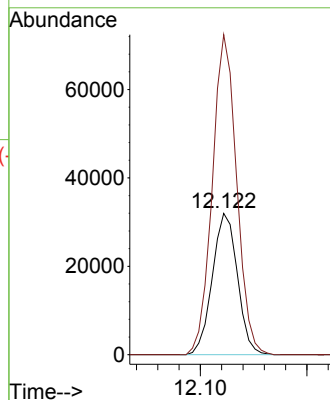
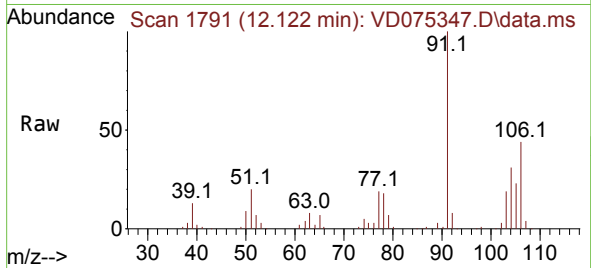




#69  
o-Xylene  
Concen: 52.326 ug/l  
RT: 12.122 min Scan# 1791  
Delta R.T. -0.000 min  
Lab File: VD075347.D  
Acq: 14 Feb 2023 17:10

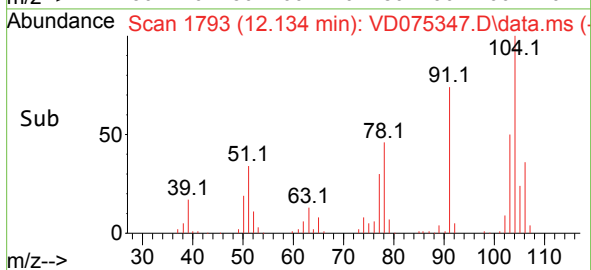
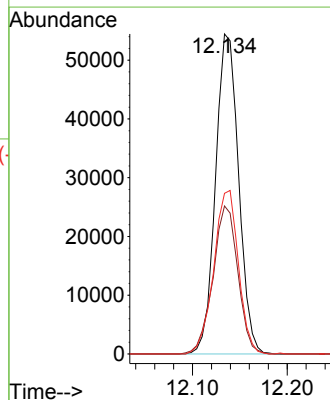
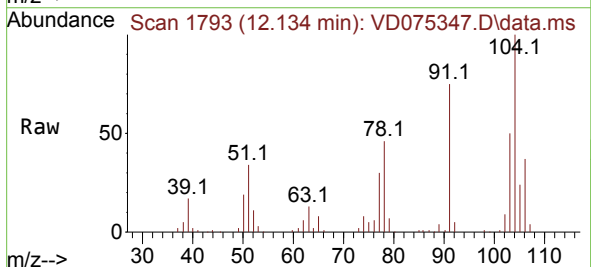
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

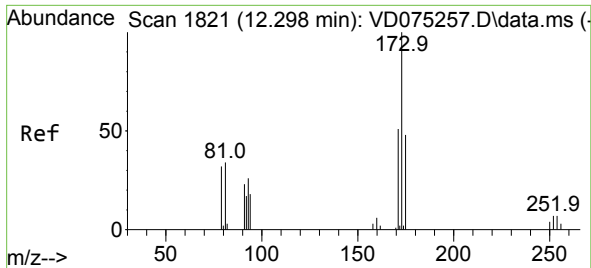
Tgt Ion:106 Resp: 52203  
Ion Ratio Lower Upper  
106 100  
91 219.8 103.6 310.9



#70  
Styrene  
Concen: 54.655 ug/l  
RT: 12.134 min Scan# 1793  
Delta R.T. -0.005 min  
Lab File: VD075347.D  
Acq: 14 Feb 2023 17:10

Tgt Ion:104 Resp: 92365  
Ion Ratio Lower Upper  
104 100  
78 49.7 38.9 58.3  
103 54.4 43.6 65.4

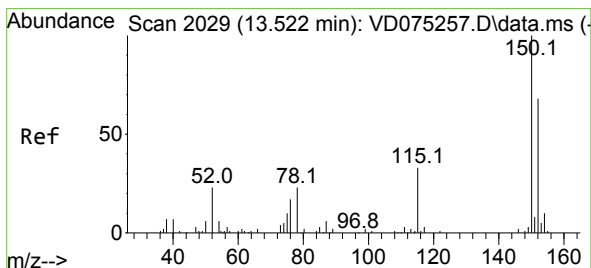
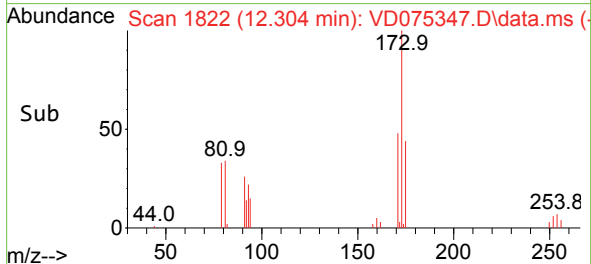
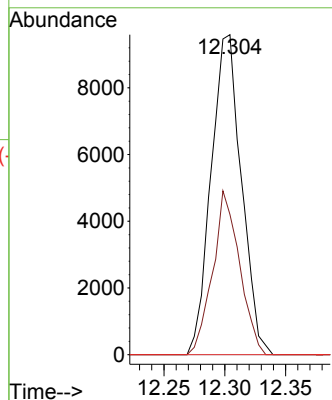
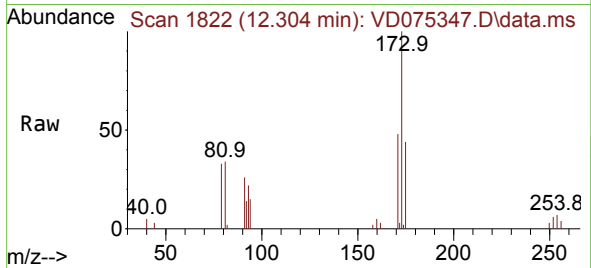




#71  
Bromoform  
Concen: 55.880 ug/l  
RT: 12.304 min Scan# 1822  
Delta R.T. 0.006 min  
Lab File: VD075347.D  
Acq: 14 Feb 2023 17:10

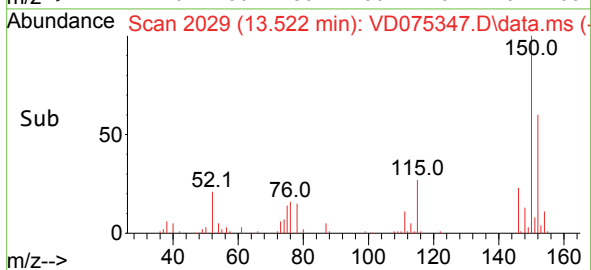
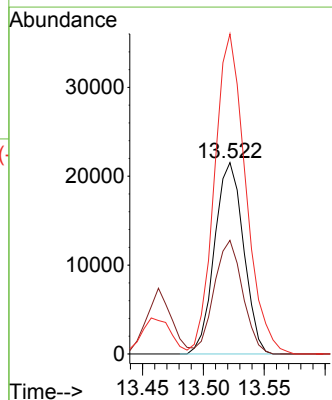
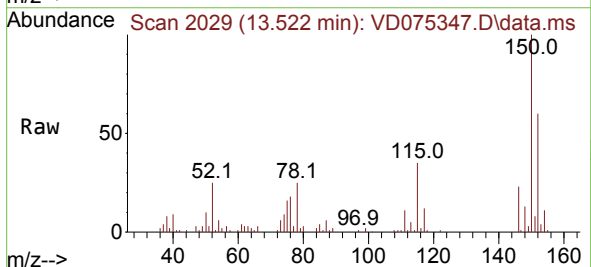
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion:173 Resp: 16620  
Ion Ratio Lower Upper  
173 100  
175 45.4 25.4 76.0  
254 0.0 0.0 0.0

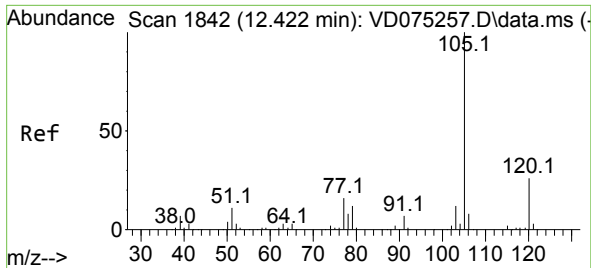


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.522 min Scan# 2029  
Delta R.T. -0.000 min  
Lab File: VD075347.D  
Acq: 14 Feb 2023 17:10

Tgt Ion:152 Resp: 35685  
Ion Ratio Lower Upper  
152 100  
115 58.2 28.8 86.4  
150 179.9 0.0 348.6



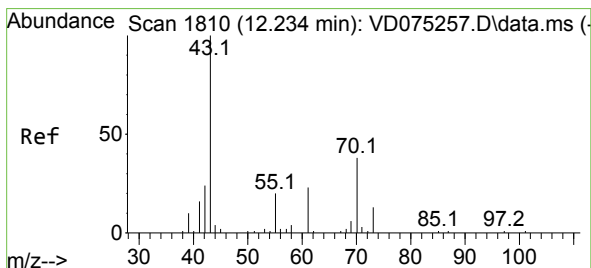
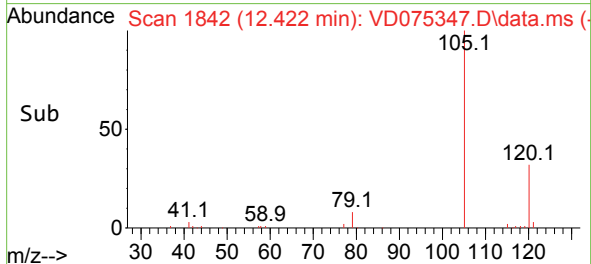
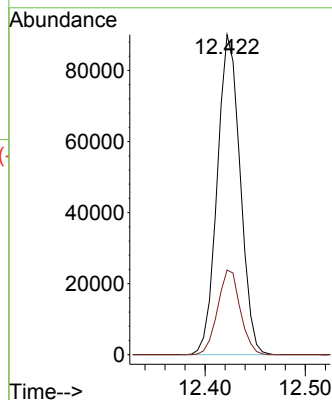
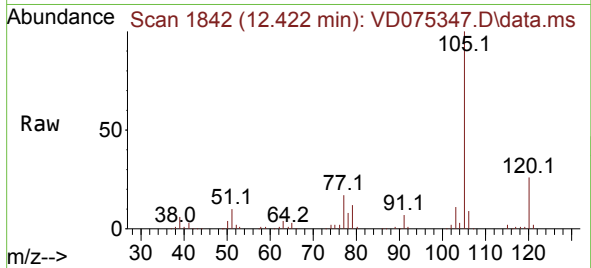




#73  
Isopropylbenzene  
Concen: 49.398 ug/l  
RT: 12.422 min Scan# 1842  
Delta R.T. -0.000 min  
Lab File: VD075347.D  
Acq: 14 Feb 2023 17:10

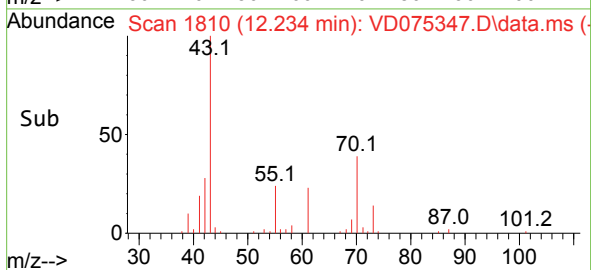
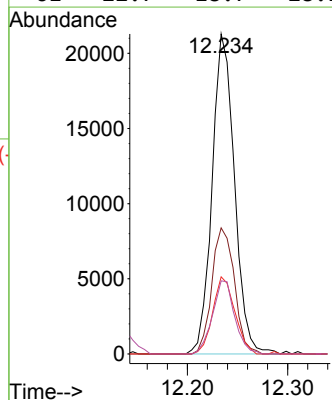
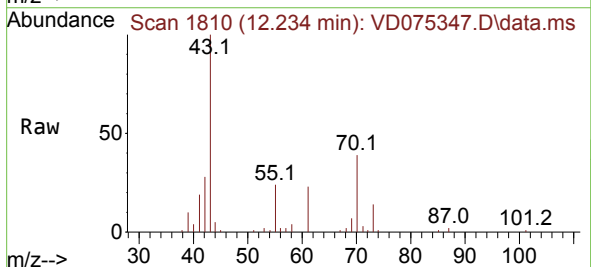
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

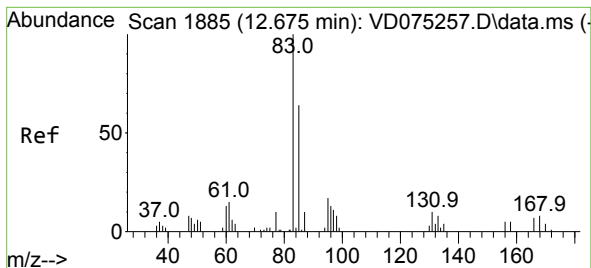
Tgt Ion:105 Resp: 142805  
Ion Ratio Lower Upper  
105 100  
120 26.1 13.7 41.1



#74  
N-ethyl acetate  
Concen: 50.762 ug/l  
RT: 12.234 min Scan# 1810  
Delta R.T. -0.000 min  
Lab File: VD075347.D  
Acq: 14 Feb 2023 17:10

Tgt Ion: 43 Resp: 32976  
Ion Ratio Lower Upper  
43 100  
70 39.8 32.6 49.0  
55 23.8 17.8 26.8  
61 22.7 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 51.516 ug/l

RT: 12.675 min Scan# 1885

Delta R.T. -0.000 min

Lab File: VD075347.D

Acq: 14 Feb 2023 17:10

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

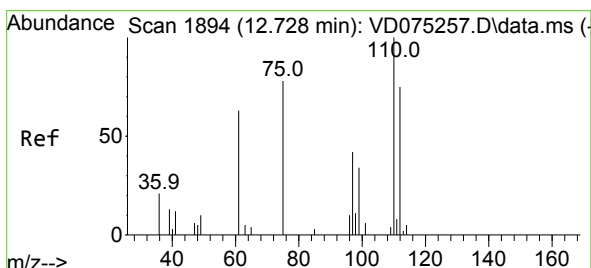
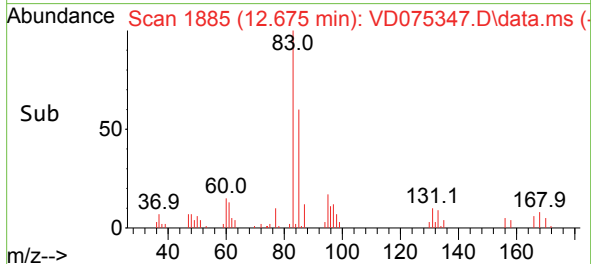
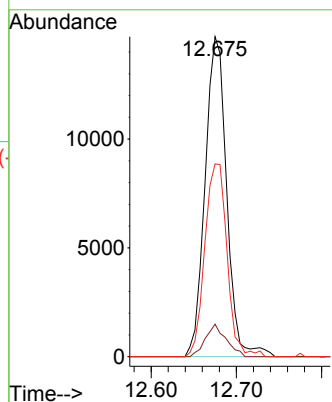
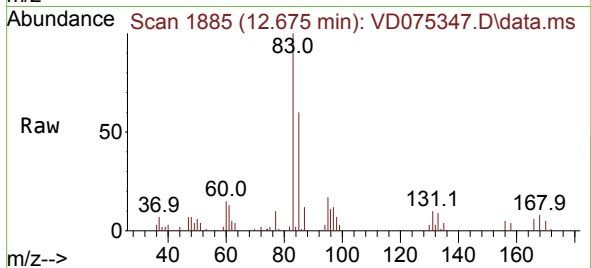
Tgt Ion: 83 Resp: 25910

Ion Ratio Lower Upper

83 100

131 9.7 4.9 14.6

85 62.0 31.9 95.7



#76

1,2,3-Trichloropropane

Concen: 79.266 ug/l

RT: 12.728 min Scan# 1894

Delta R.T. -0.000 min

Lab File: VD075347.D

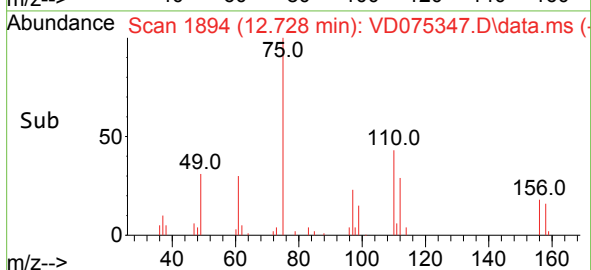
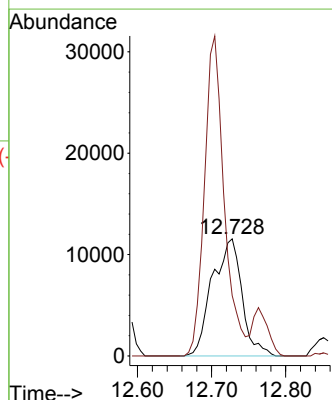
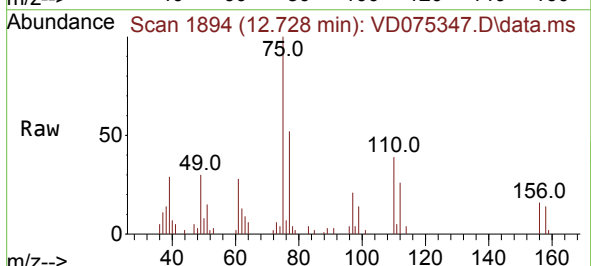
Acq: 14 Feb 2023 17:10

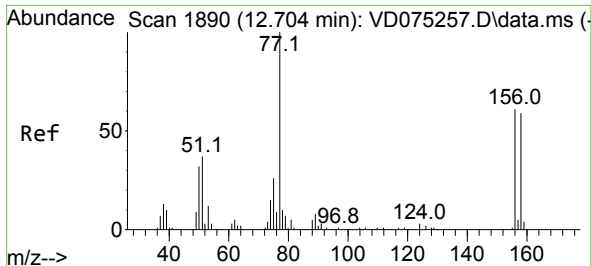
Tgt Ion: 75 Resp: 32129

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

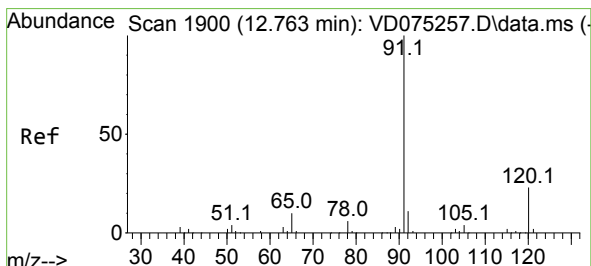
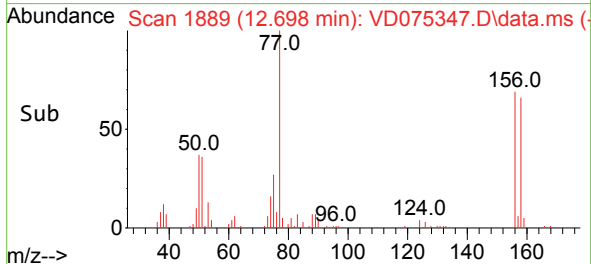
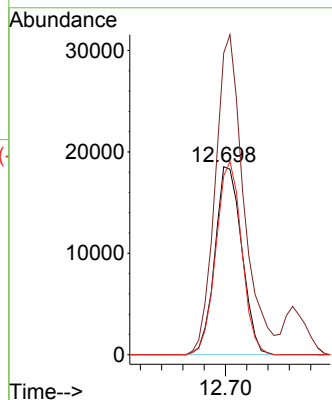
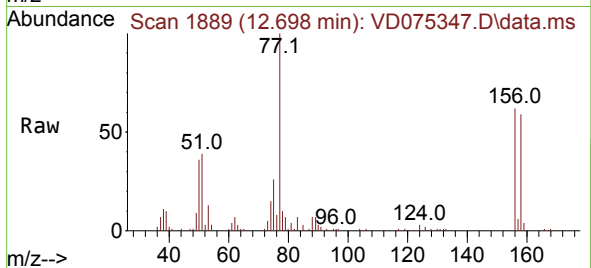




#77  
Bromobenzene  
Concen: 49.526 ug/l  
RT: 12.698 min Scan# 1889  
Delta R.T. -0.006 min  
Lab File: VD075347.D  
Acq: 14 Feb 2023 17:10

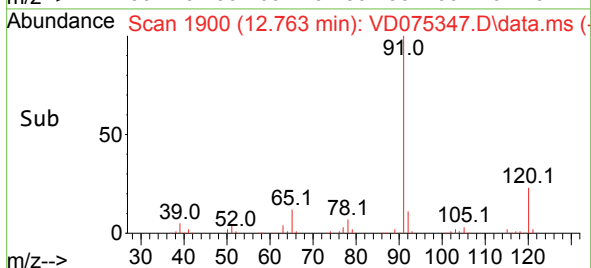
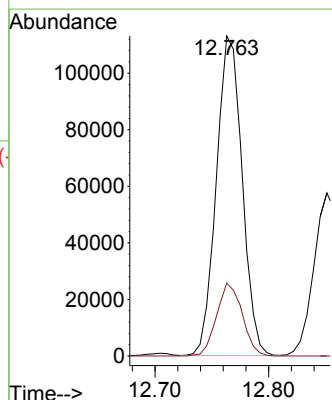
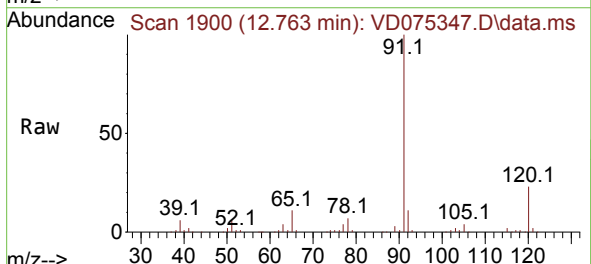
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

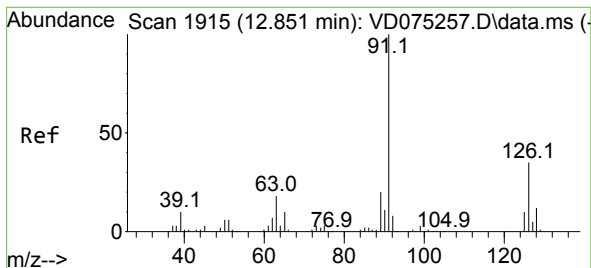
Tgt Ion:156 Resp: 32421  
Ion Ratio Lower Upper  
156 100  
77 180.4 85.6 256.8  
158 98.4 47.3 141.9



#78  
n-propylbenzene  
Concen: 49.614 ug/l  
RT: 12.763 min Scan# 1900  
Delta R.T. 0.000 min  
Lab File: VD075347.D  
Acq: 14 Feb 2023 17:10

Tgt Ion: 91 Resp: 178470  
Ion Ratio Lower Upper  
91 100  
120 22.6 11.7 35.0





#79

2-Chlorotoluene

Concen: 48.870 ug/l

RT: 12.851 min Scan# 1915

Delta R.T. 0.000 min

Lab File: VD075347.D

Acq: 14 Feb 2023 17:10

Instrument :

MSVOA\_D

ClientSampleId :

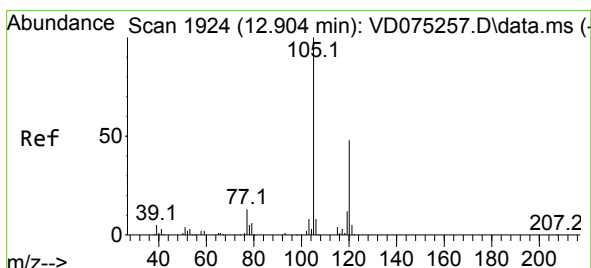
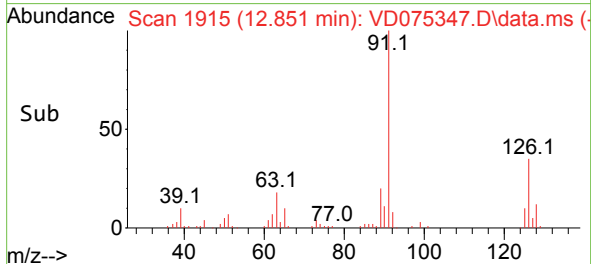
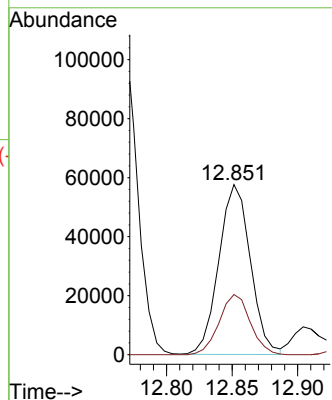
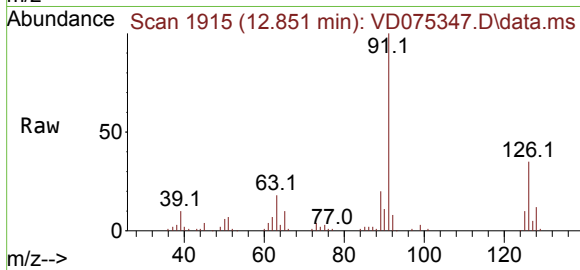
VSTDCCC050EC

Tgt Ion: 91 Resp: 96425

Ion Ratio Lower Upper

91 100

126 34.8 17.4 52.3



#80

1,3,5-Trimethylbenzene

Concen: 50.321 ug/l

RT: 12.904 min Scan# 1924

Delta R.T. 0.000 min

Lab File: VD075347.D

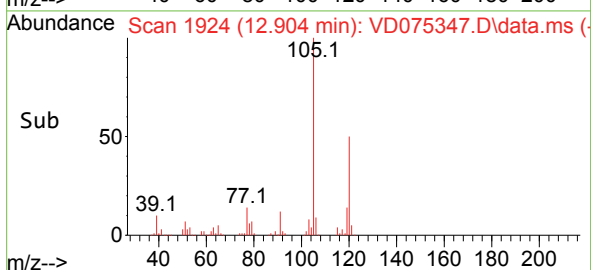
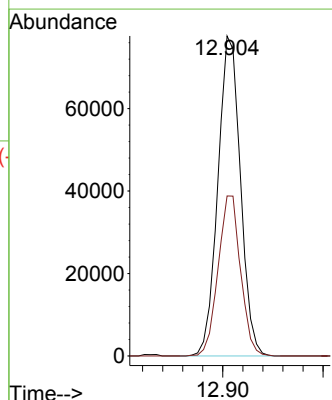
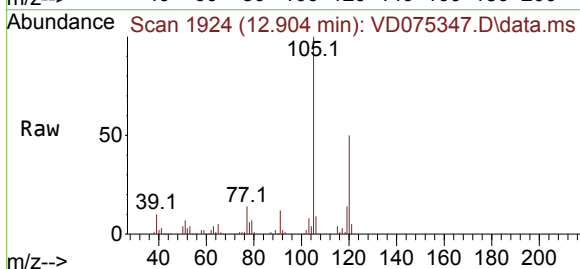
Acq: 14 Feb 2023 17:10

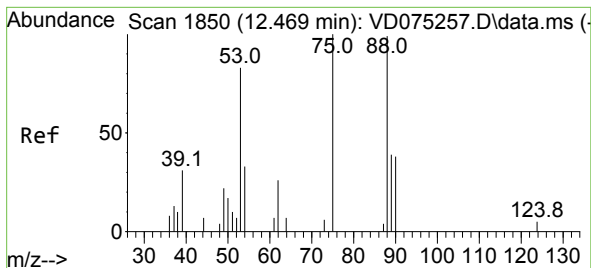
Tgt Ion: 105 Resp: 121125

Ion Ratio Lower Upper

105 100

120 49.8 24.6 73.8

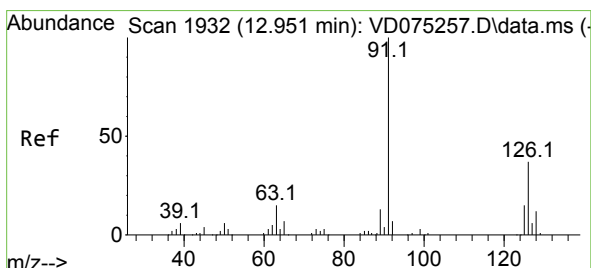
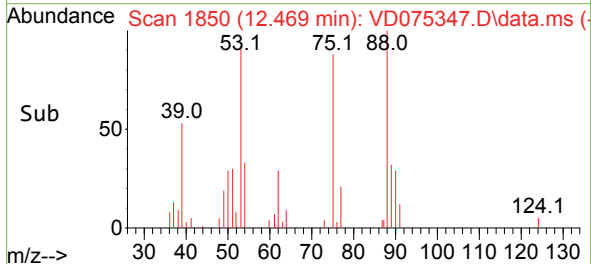
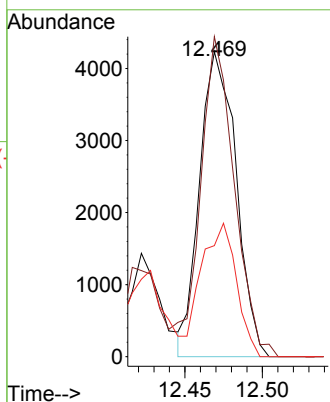
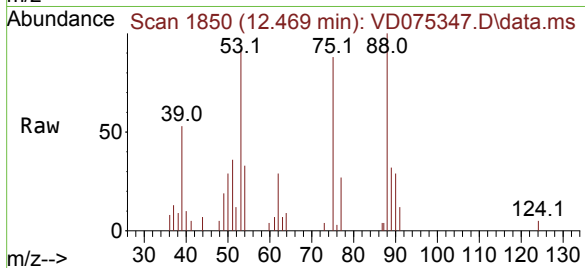




#81  
trans-1,4-Dichloro-2-butene  
Concen: 55.129 ug/l  
RT: 12.469 min Scan# 1850  
Delta R.T. -0.000 min  
Lab File: VD075347.D  
Acq: 14 Feb 2023 17:10

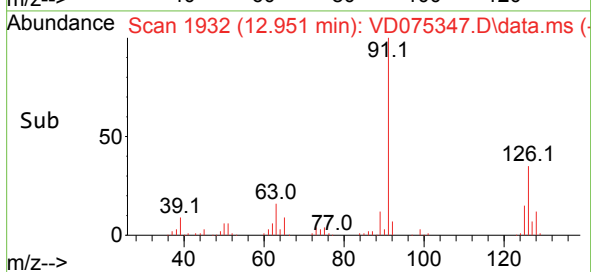
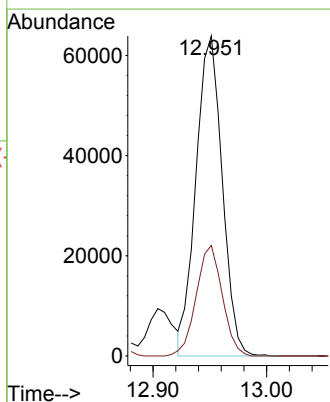
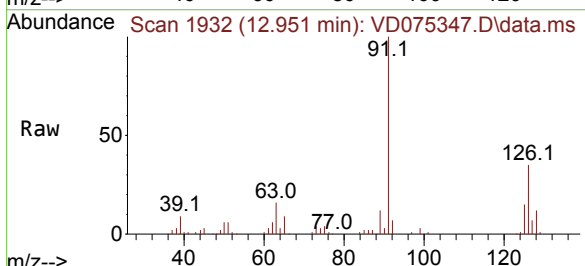
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

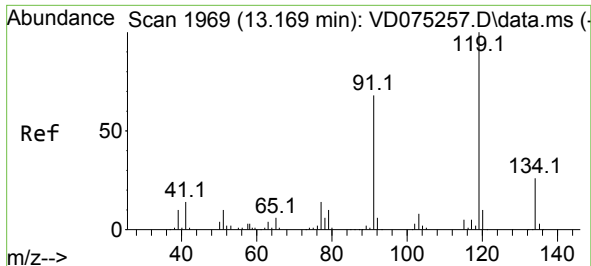
Tgt Ion: 75 Resp: 6912  
Ion Ratio Lower Upper  
75 100  
53 98.1 70.5 105.7  
89 41.5 34.6 52.0



#82  
4-Chlorotoluene  
Concen: 49.868 ug/l  
RT: 12.951 min Scan# 1932  
Delta R.T. 0.000 min  
Lab File: VD075347.D  
Acq: 14 Feb 2023 17:10

Tgt Ion: 91 Resp: 102641  
Ion Ratio Lower Upper  
91 100  
126 34.3 17.3 52.0

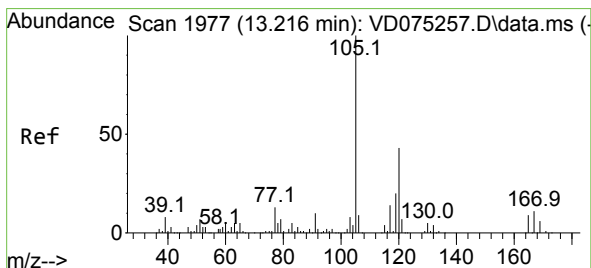
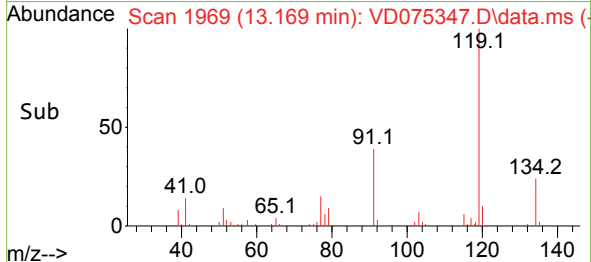
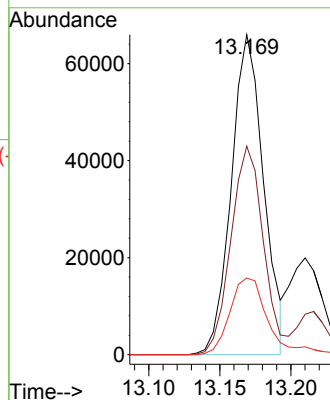
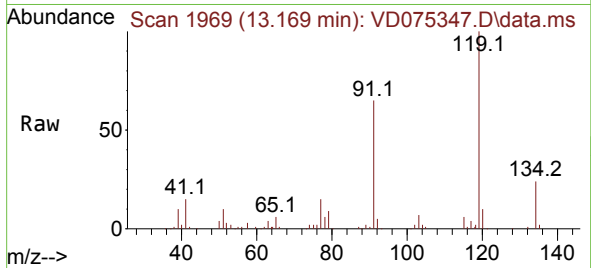




#83  
tert-Butylbenzene  
Concen: 50.208 ug/l  
RT: 13.169 min Scan# 1969  
Delta R.T. -0.000 min  
Lab File: VD075347.D  
Acq: 14 Feb 2023 17:10

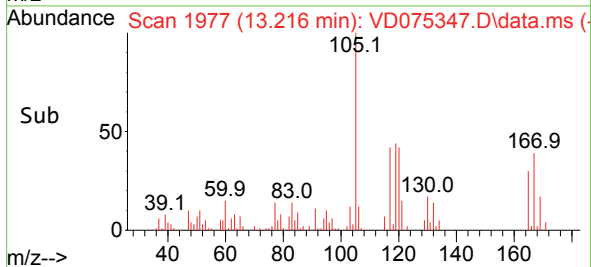
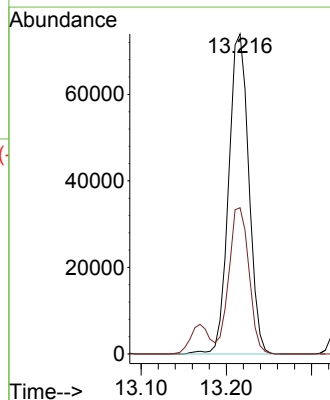
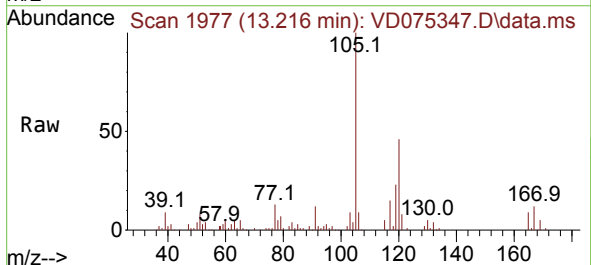
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

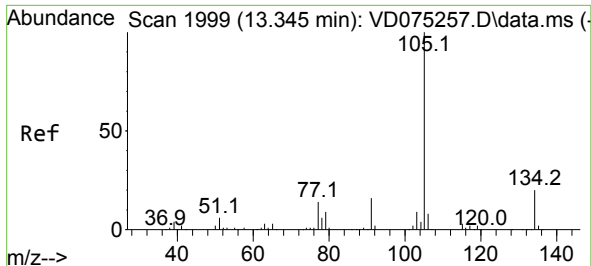
Tgt Ion:119 Resp: 104190  
Ion Ratio Lower Upper  
119 100  
91 66.1 32.9 98.6  
134 28.2 13.3 39.8



#84  
1,2,4-Trimethylbenzene  
Concen: 50.393 ug/l  
RT: 13.216 min Scan# 1977  
Delta R.T. 0.000 min  
Lab File: VD075347.D  
Acq: 14 Feb 2023 17:10

Tgt Ion:105 Resp: 121151  
Ion Ratio Lower Upper  
105 100  
120 45.7 23.2 69.5

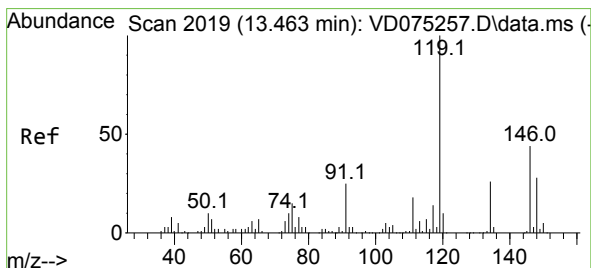
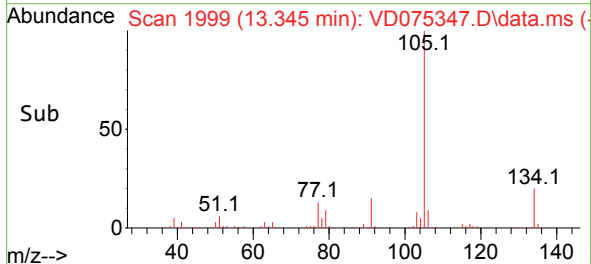
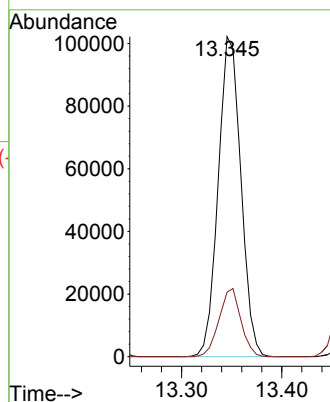
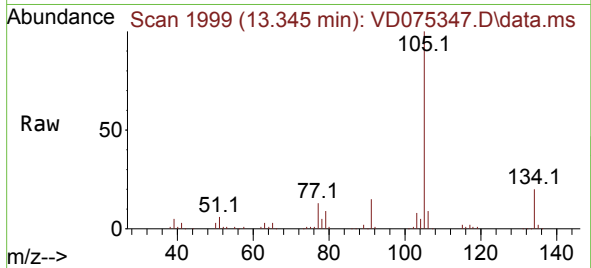




#85  
 sec-Butylbenzene  
 Concen: 50.363 ug/l  
 RT: 13.345 min Scan# 1999  
 Delta R.T. 0.000 min  
 Lab File: VD075347.D  
 Acq: 14 Feb 2023 17:10

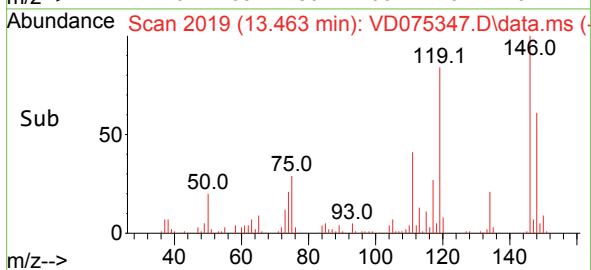
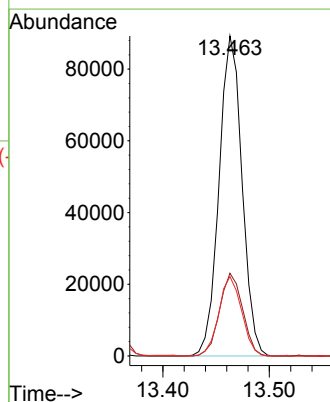
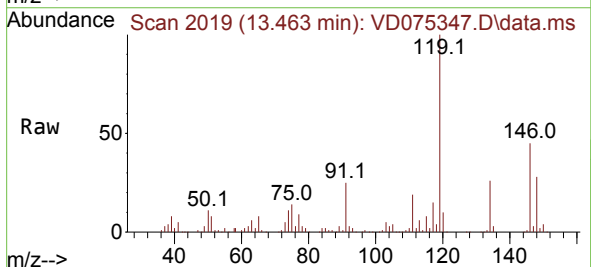
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

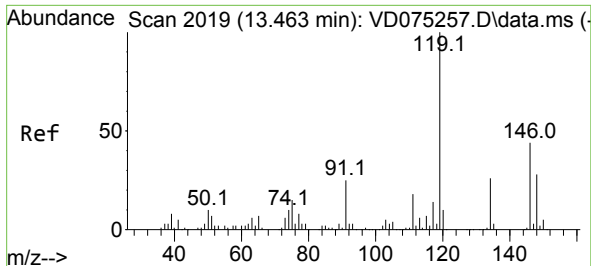
Tgt Ion:105 Resp: 160329  
 Ion Ratio Lower Upper  
 105 100  
 134 20.5 10.4 31.2



#86  
 p-Isopropyltoluene  
 Concen: 51.303 ug/l  
 RT: 13.463 min Scan# 2019  
 Delta R.T. 0.000 min  
 Lab File: VD075347.D  
 Acq: 14 Feb 2023 17:10

Tgt Ion:119 Resp: 133602  
 Ion Ratio Lower Upper  
 119 100  
 134 25.9 13.3 39.8  
 91 24.6 11.9 35.5

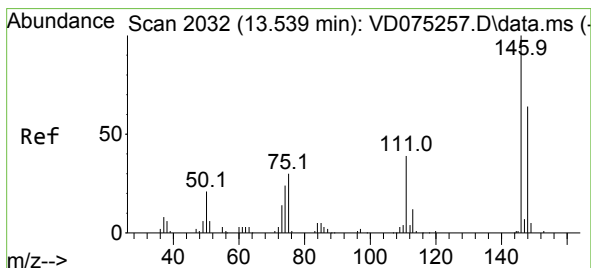
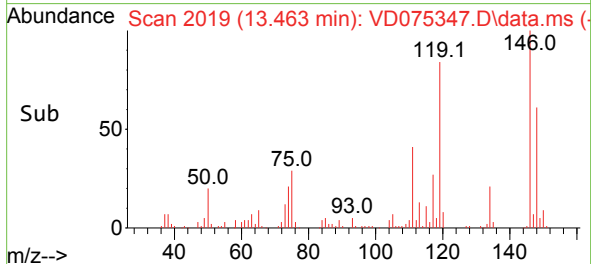
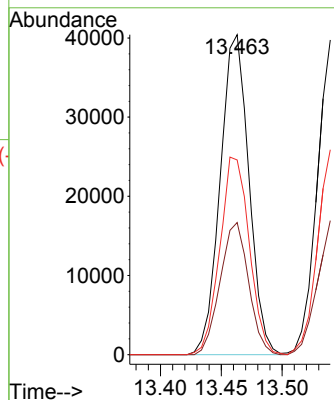
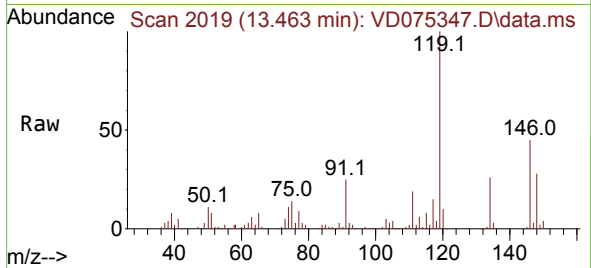




#87  
1,3-Dichlorobenzene  
Concen: 50.128 ug/l  
RT: 13.463 min Scan# 2019  
Delta R.T. 0.000 min  
Lab File: VD075347.D  
Acq: 14 Feb 2023 17:10

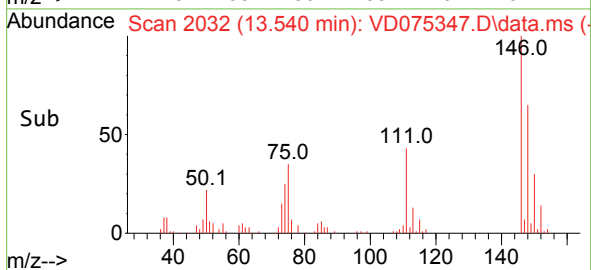
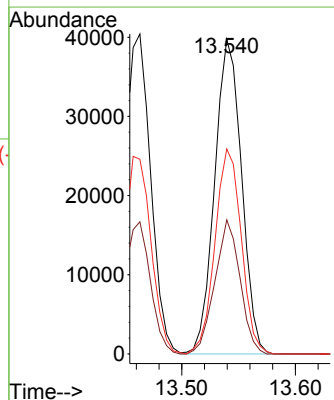
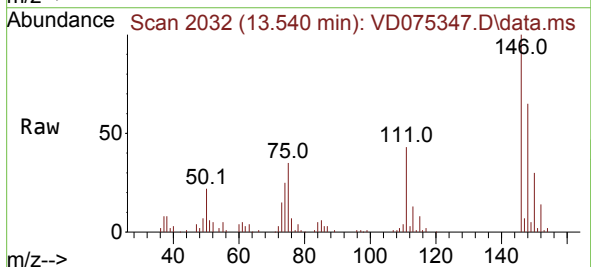
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion:146 Resp: 66326  
Ion Ratio Lower Upper  
146 100  
111 40.9 18.9 56.9  
148 63.4 31.1 93.3

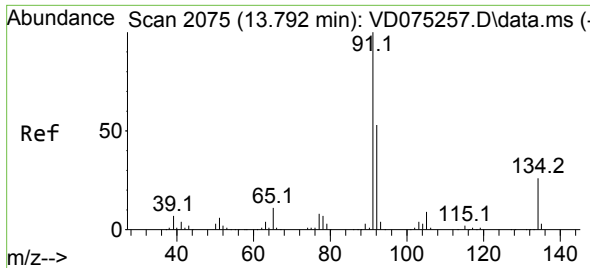


#88  
1,4-Dichlorobenzene  
Concen: 49.448 ug/l  
RT: 13.540 min Scan# 2032  
Delta R.T. 0.001 min  
Lab File: VD075347.D  
Acq: 14 Feb 2023 17:10

Tgt Ion:146 Resp: 65466  
Ion Ratio Lower Upper  
146 100  
111 40.0 19.7 59.1  
148 63.8 31.9 95.5



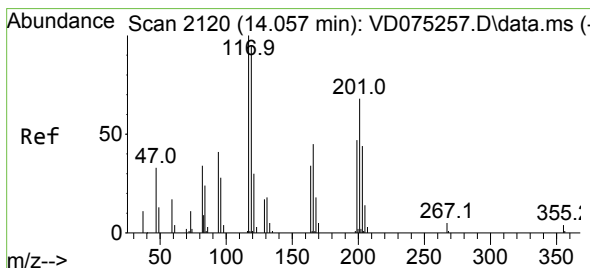
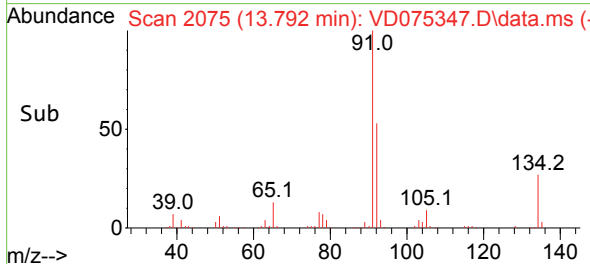
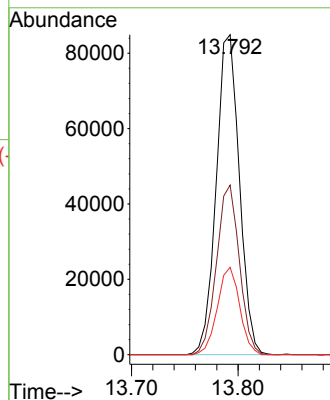
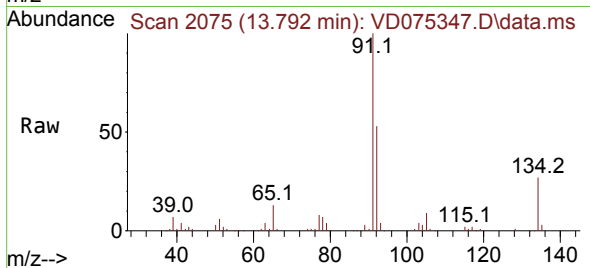




#89  
n-Butylbenzene  
Concen: 50.343 ug/l  
RT: 13.792 min Scan# 2075  
Delta R.T. 0.000 min  
Lab File: VD075347.D  
Acq: 14 Feb 2023 17:10

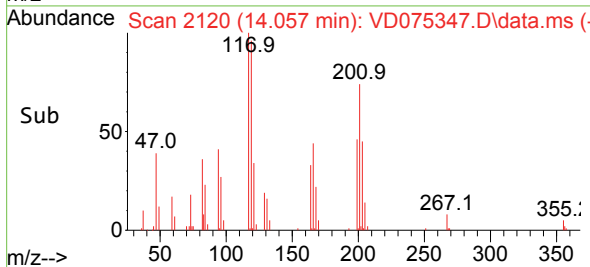
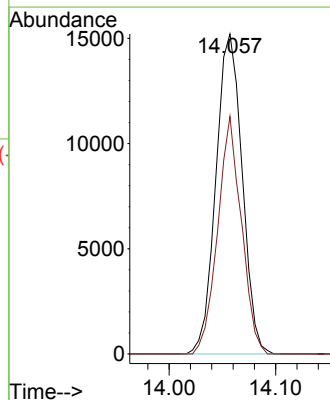
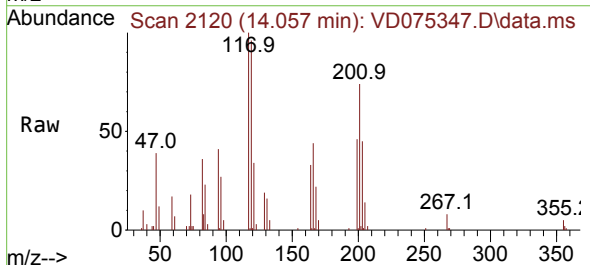
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

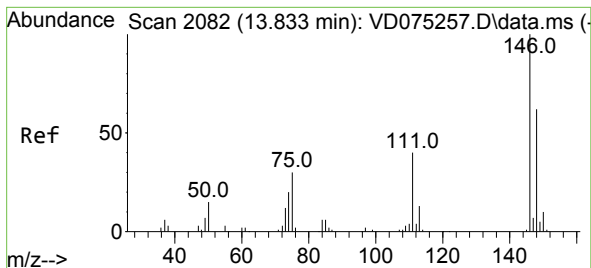
Tgt Ion: 91 Resp: 127990  
Ion Ratio Lower Upper  
91 100  
92 52.3 26.8 80.3  
134 26.4 13.3 39.8



#90  
Hexachloroethane  
Concen: 50.674 ug/l  
RT: 14.057 min Scan# 2120  
Delta R.T. 0.000 min  
Lab File: VD075347.D  
Acq: 14 Feb 2023 17:10

Tgt Ion: 117 Resp: 26016  
Ion Ratio Lower Upper  
117 100  
201 67.1 35.1 105.5





#91

1,2-Dichlorobenzene

Concen: 49.318 ug/l

RT: 13.834 min Scan# 2082

Delta R.T. 0.001 min

Lab File: VD075347.D

Acq: 14 Feb 2023 17:10

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

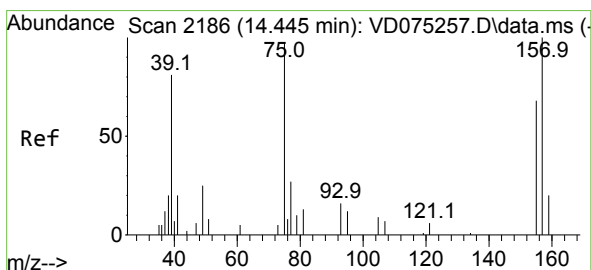
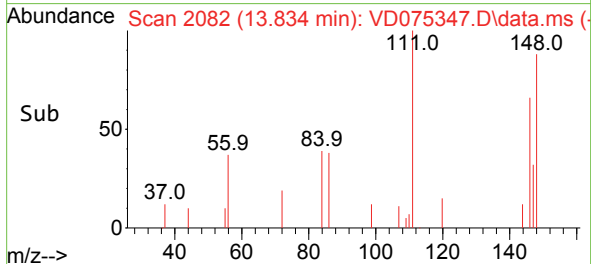
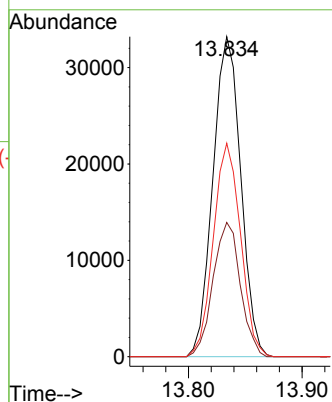
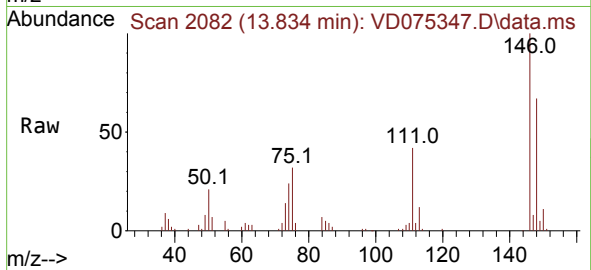
Tgt Ion:146 Resp: 56619

Ion Ratio Lower Upper

146 100

111 41.1 20.4 61.2

148 65.1 31.9 95.5



#92

1,2-Dibromo-3-Chloropropane

Concen: 49.673 ug/l

RT: 14.451 min Scan# 2187

Delta R.T. 0.006 min

Lab File: VD075347.D

Acq: 14 Feb 2023 17:10

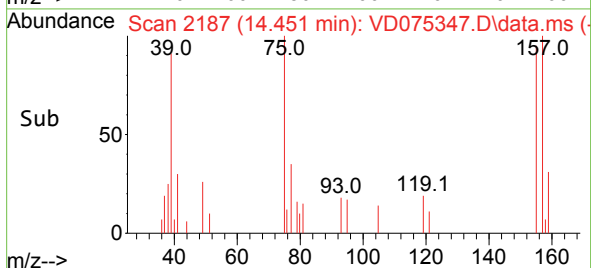
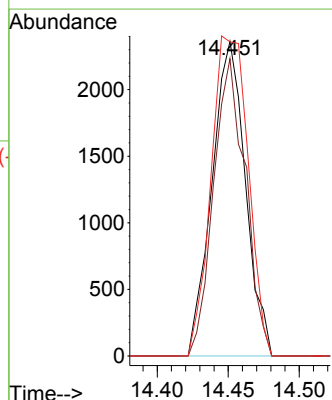
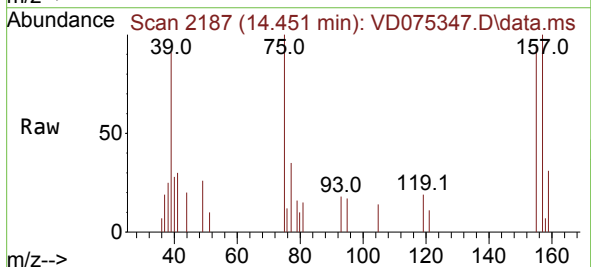
Tgt Ion: 75 Resp: 3875

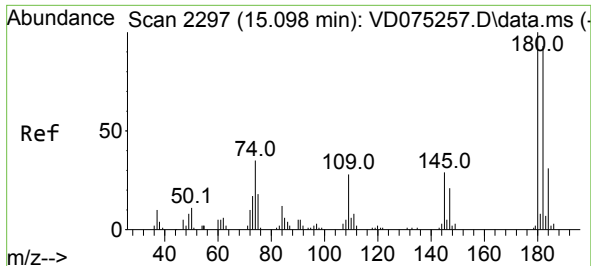
Ion Ratio Lower Upper

75 100

155 89.9 43.4 130.2

157 112.7 56.4 169.2

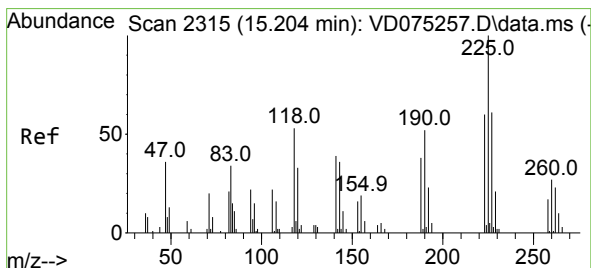
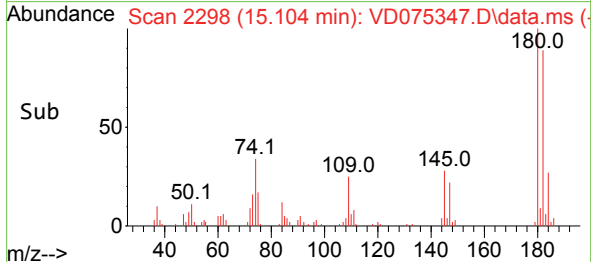
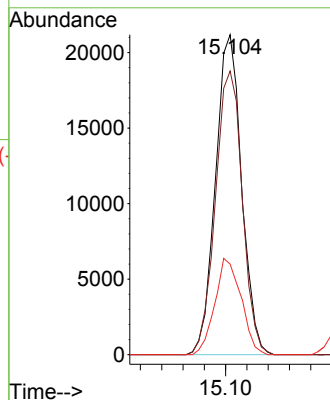
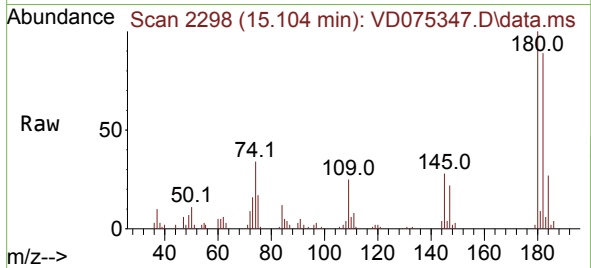




#93  
 1,2,4-Trichlorobenzene  
 Concen: 50.044 ug/l  
 RT: 15.104 min Scan# 21  
 Delta R.T. 0.006 min  
 Lab File: VD075347.D  
 Acq: 14 Feb 2023 17:10

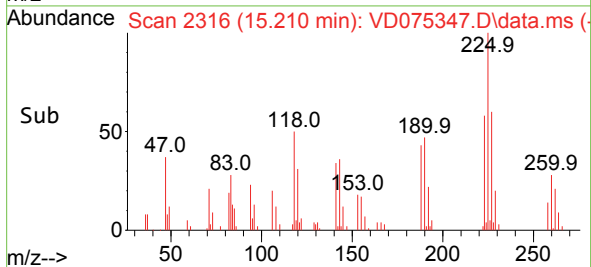
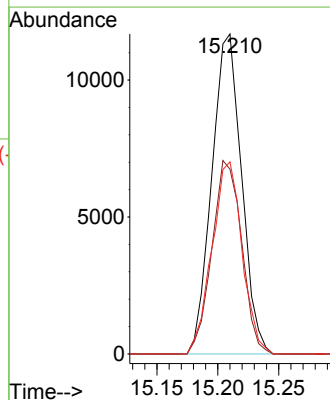
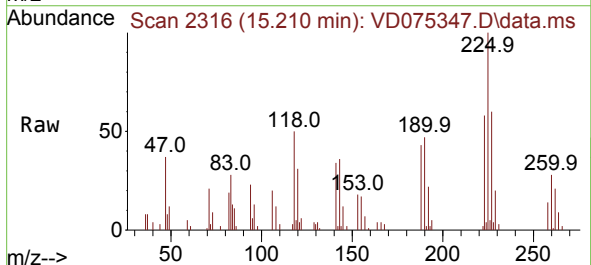
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

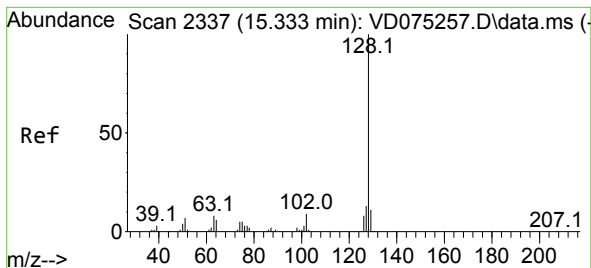
Tgt Ion:180 Resp: 35982  
 Ion Ratio Lower Upper  
 180 100  
 182 91.3 46.2 138.6  
 145 30.3 15.8 47.4



#94  
 Hexachlorobutadiene  
 Concen: 52.279 ug/l  
 RT: 15.210 min Scan# 2316  
 Delta R.T. 0.006 min  
 Lab File: VD075347.D  
 Acq: 14 Feb 2023 17:10

Tgt Ion:225 Resp: 19832  
 Ion Ratio Lower Upper  
 225 100  
 223 60.4 31.8 95.4  
 227 60.8 30.7 92.1





#95

Naphthalene

Concen: 50.949 ug/l

RT: 15.339 min Scan# 21

Delta R.T. 0.006 min

Lab File: VD075347.D

Acq: 14 Feb 2023 17:10

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

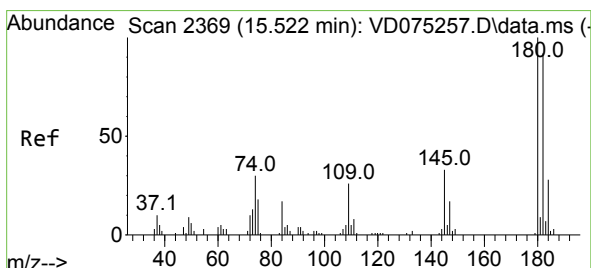
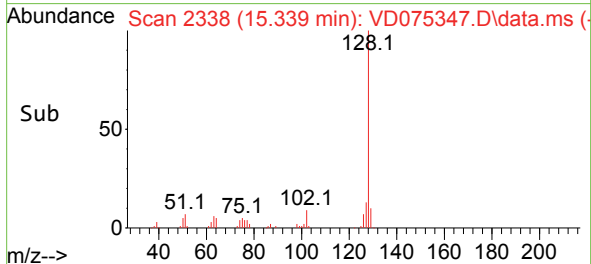
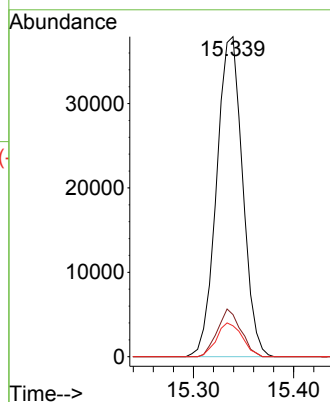
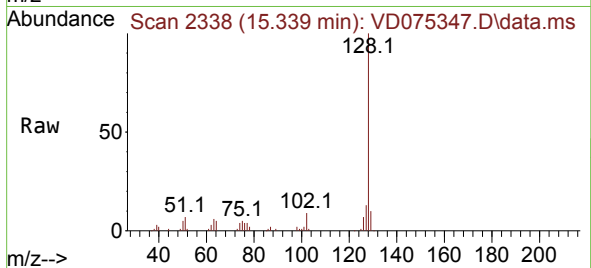
Tgt Ion:128 Resp: 68184

Ion Ratio Lower Upper

128 100

127 13.5 10.6 15.8

129 10.4 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 50.226 ug/l

RT: 15.528 min Scan# 2370

Delta R.T. 0.006 min

Lab File: VD075347.D

Acq: 14 Feb 2023 17:10

Tgt Ion:180 Resp: 31159

Ion Ratio Lower Upper

180 100

182 94.5 47.0 141.0

145 32.9 16.1 48.3

