

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD062023\  
 Data File : VD076503.D  
 Acq On : 20 Jun 2023 20:49  
 Operator : KP/SY  
 Sample : VSTDCCC050  
 Misc : 5.00/5.0ml/MSVOA\_D/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: Jun 21 06:51:28 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D061623S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jun 19 04:51:45 2023  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 7.869  | 168   | 134089   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.775  | 114   | 228921   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.581 | 117   | 215656   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.516 | 152   | 108627   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.228  | 65    | 64801    | 48.235   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 50 - 163 | Recovery | =      | 96.460%  |
| 35) Dibromofluoromethane     | 7.799  | 113   | 71005    | 52.212   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 54 - 147 | Recovery | =      | 104.420% |
| 50) Toluene-d8               | 10.263 | 98    | 254844   | 49.412   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 58 - 134 | Recovery | =      | 98.820%  |
| 62) 4-Bromofluorobenzene     | 12.569 | 95    | 84890    | 50.716   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 30 - 143 | Recovery | =      | 101.440% |
| Target Compounds             |        |       |          |          |        |          |
|                              |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.928  | 85    | 46154    | 45.298   | ug/l   | 95       |
| 3) Chloromethane             | 2.146  | 50    | 96767    | 45.665   | ug/l   | 99       |
| 4) Vinyl Chloride            | 2.276  | 62    | 106469   | 45.041   | ug/l   | 96       |
| 5) Bromomethane              | 2.681  | 94    | 63730    | 41.465   | ug/l   | 100      |
| 6) Chloroethane              | 2.828  | 64    | 75948    | 46.877   | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 3.164  | 101   | 91037    | 46.798   | ug/l   | 96       |
| 8) Diethyl Ether             | 3.593  | 74    | 32619    | 44.555   | ug/l   | 67       |
| 9) 1,1,2-Trichlorotrifluo... | 3.958  | 101   | 60416    | 48.224   | ug/l   | 97       |
| 10) Methyl Iodide            | 4.158  | 142   | 74988    | 50.487   | ug/l   | 92       |
| 11) Tert butyl alcohol       | 5.069  | 59    | 23724    | 204.527  | ug/l # | 73       |
| 12) 1,1-Dichloroethene       | 3.934  | 96    | 57496    | 46.860   | ug/l   | 88       |
| 13) Acrolein                 | 3.793  | 56    | 24626    | 197.105  | ug/l   | 96       |
| 14) Allyl chloride           | 4.564  | 41    | 98373    | 43.841   | ug/l # | 87       |
| 15) Acrylonitrile            | 5.252  | 53    | 86051    | 228.578  | ug/l   | 99       |
| 16) Acetone                  | 4.017  | 43    | 64744    | 202.520  | ug/l # | 86       |
| 17) Carbon Disulfide         | 4.264  | 76    | 151352   | 45.147   | ug/l   | 99       |
| 18) Methyl Acetate           | 4.558  | 43    | 66559    | 45.177   | ug/l # | 83       |
| 19) Methyl tert-butyl Ether  | 5.311  | 73    | 161215   | 48.035   | ug/l   | 93       |
| 20) Methylene Chloride       | 4.799  | 84    | 106913   | 61.441   | ug/l # | 80       |
| 21) trans-1,2-Dichloroethene | 5.311  | 96    | 66297    | 46.749   | ug/l   | 92       |
| 22) Diisopropyl ether        | 6.216  | 45    | 231119   | 47.634   | ug/l # | 91       |
| 23) Vinyl Acetate            | 6.152  | 43    | 560756   | 233.163  | ug/l # | 86       |
| 24) 1,1-Dichloroethane       | 6.111  | 63    | 128876   | 47.566   | ug/l   | 94       |
| 25) 2-Butanone               | 7.081  | 43    | 108929   | 220.297  | ug/l # | 80       |
| 26) 2,2-Dichloropropane      | 7.069  | 77    | 97384    | 41.689   | ug/l   | 95       |
| 27) cis-1,2-Dichloroethene   | 7.069  | 96    | 82522    | 48.081   | ug/l   | 87       |
| 28) Bromochloromethane       | 7.422  | 49    | 37132    | 47.467   | ug/l # | 74       |
| 29) Tetrahydrofuran          | 7.446  | 42    | 71227    | 224.148  | ug/l # | 79       |
| 30) Chloroform               | 7.593  | 83    | 132088   | 49.236   | ug/l   | 98       |
| 31) Cyclohexane              | 7.875  | 56    | 96795    | 46.424   | ug/l   | 86       |
| 32) 1,1,1-Trichloroethane    | 7.787  | 97    | 106011   | 48.884   | ug/l   | 97       |
| 36) 1,1-Dichloropropene      | 8.005  | 75    | 90086    | 47.303   | ug/l   | 98       |
| 37) Ethyl Acetate            | 7.163  | 43    | 51358    | 46.539   | ug/l # | 91       |
| 38) Carbon Tetrachloride     | 7.993  | 117   | 83262    | 48.915   | ug/l   | 95       |
| 39) Methylcyclohexane        | 9.269  | 83    | 107415   | 48.063   | ug/l   | 95       |
| 40) Benzene                  | 8.246  | 78    | 283010   | 48.731   | ug/l   | 99       |

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 Sample : VSTDCCC050  
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 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: Jun 21 06:51:28 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D061623S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jun 19 04:51:45 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.399  | 41   | 29726    | 47.702  | ug/l # | 82       |
| 42) 1,2-Dichloroethane        | 8.322  | 62   | 80200    | 51.107  | ug/l   | 97       |
| 43) Isopropyl Acetate         | 8.358  | 43   | 97006    | 46.431  | ug/l # | 84       |
| 44) Trichloroethene           | 9.022  | 130  | 76053    | 48.545  | ug/l   | 95       |
| 45) 1,2-Dichloropropane       | 9.305  | 63   | 78470    | 49.834  | ug/l   | 97       |
| 46) Dibromomethane            | 9.393  | 93   | 43568    | 51.649  | ug/l   | 93       |
| 47) Bromodichloromethane      | 9.581  | 83   | 100744   | 49.908  | ug/l # | 99       |
| 48) Methyl methacrylate       | 9.381  | 41   | 44059    | 46.011  | ug/l # | 73       |
| 49) 1,4-Dioxane               | 9.387  | 88   | 9938     | 983.303 | ug/l # | 78       |
| 51) 4-Methyl-2-Pentanone      | 10.157 | 43   | 257291   | 240.916 | ug/l # | 84       |
| 52) Toluene                   | 10.328 | 92   | 180686   | 49.579  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.552 | 75   | 99240    | 48.449  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 10.016 | 75   | 120572   | 49.649  | ug/l # | 83       |
| 55) 1,1,2-Trichloroethane     | 10.734 | 97   | 59993    | 50.845  | ug/l   | 95       |
| 56) Ethyl methacrylate        | 10.593 | 69   | 75598    | 49.069  | ug/l # | 73       |
| 57) 1,3-Dichloropropane       | 10.875 | 76   | 100792   | 49.893  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.863  | 63   | 148705   | 227.667 | ug/l   | 93       |
| 59) 2-Hexanone                | 10.922 | 43   | 172668   | 232.429 | ug/l   | 82       |
| 60) Dibromochloromethane      | 11.069 | 129  | 71119    | 51.792  | ug/l   | 94       |
| 61) 1,2-Dibromoethane         | 11.175 | 107  | 56838    | 51.314  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.810 | 164  | 67835    | 52.403  | ug/l   | 94       |
| 65) Chlorobenzene             | 11.604 | 112  | 197749   | 48.266  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.681 | 131  | 73469    | 50.142  | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.681 | 91   | 351170   | 48.373  | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.793 | 106  | 275530   | 97.228  | ug/l   | 91       |
| 69) o-Xylene                  | 12.116 | 106  | 133769   | 49.588  | ug/l   | 92       |
| 70) Styrene                   | 12.134 | 104  | 229028   | 49.149  | ug/l   | 95       |
| 71) Bromoform                 | 12.299 | 173  | 45332    | 51.528  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.416 | 105  | 342018   | 46.765  | ug/l   | 98       |
| 74) N-amyl acetate            | 12.234 | 43   | 94567    | 44.168  | ug/l # | 84       |
| 75) 1,1,2,2-Tetrachloroethane | 12.669 | 83   | 72582    | 48.094  | ug/l   | 96       |
| 76) 1,2,3-Trichloropropane    | 12.722 | 75   | 85782    | 79.568  | ug/l # | 100      |
| 77) Bromobenzene              | 12.698 | 156  | 86550    | 47.968  | ug/l   | 91       |
| 78) n-propylbenzene           | 12.763 | 91   | 421984   | 46.729  | ug/l   | 96       |
| 79) 2-Chlorotoluene           | 12.846 | 91   | 231297   | 46.643  | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 280047   | 46.888  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-b... | 12.469 | 75   | 21665    | 44.034  | ug/l   | 90       |
| 82) 4-Chlorotoluene           | 12.946 | 91   | 241953   | 46.982  | ug/l   | 97       |
| 83) tert-Butylbenzene         | 13.163 | 119  | 251463   | 47.384  | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene    | 13.210 | 105  | 288346   | 47.907  | ug/l   | 97       |
| 85) sec-Butylbenzene          | 13.346 | 105  | 379855   | 48.233  | ug/l   | 95       |
| 86) p-Isopropyltoluene        | 13.457 | 119  | 314706   | 47.823  | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene       | 13.457 | 146  | 168353   | 47.501  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.534 | 146  | 169136   | 47.849  | ug/l   | 98       |
| 89) n-Butylbenzene            | 13.787 | 91   | 293816   | 45.776  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.051 | 117  | 56640    | 46.641  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene       | 13.828 | 146  | 151977   | 49.071  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.445 | 75   | 10131    | 44.599  | ug/l   | 96       |
| 93) 1,2,4-Trichlorobenzene    | 15.098 | 180  | 98373    | 47.660  | ug/l   | 96       |
| 94) Hexachlorobutadiene       | 15.204 | 225  | 49277    | 49.106  | ug/l   | 99       |
| 95) Naphthalene               | 15.328 | 128  | 189000   | 45.791  | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene    | 15.522 | 180  | 85338    | 47.455  | ug/l   | 100      |

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ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

Quant Time: Jun 21 06:51:28 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D061623S.M  
Quant Title : SW846 8260  
QLast Update : Mon Jun 19 04:51:45 2023  
Response via : Initial Calibration

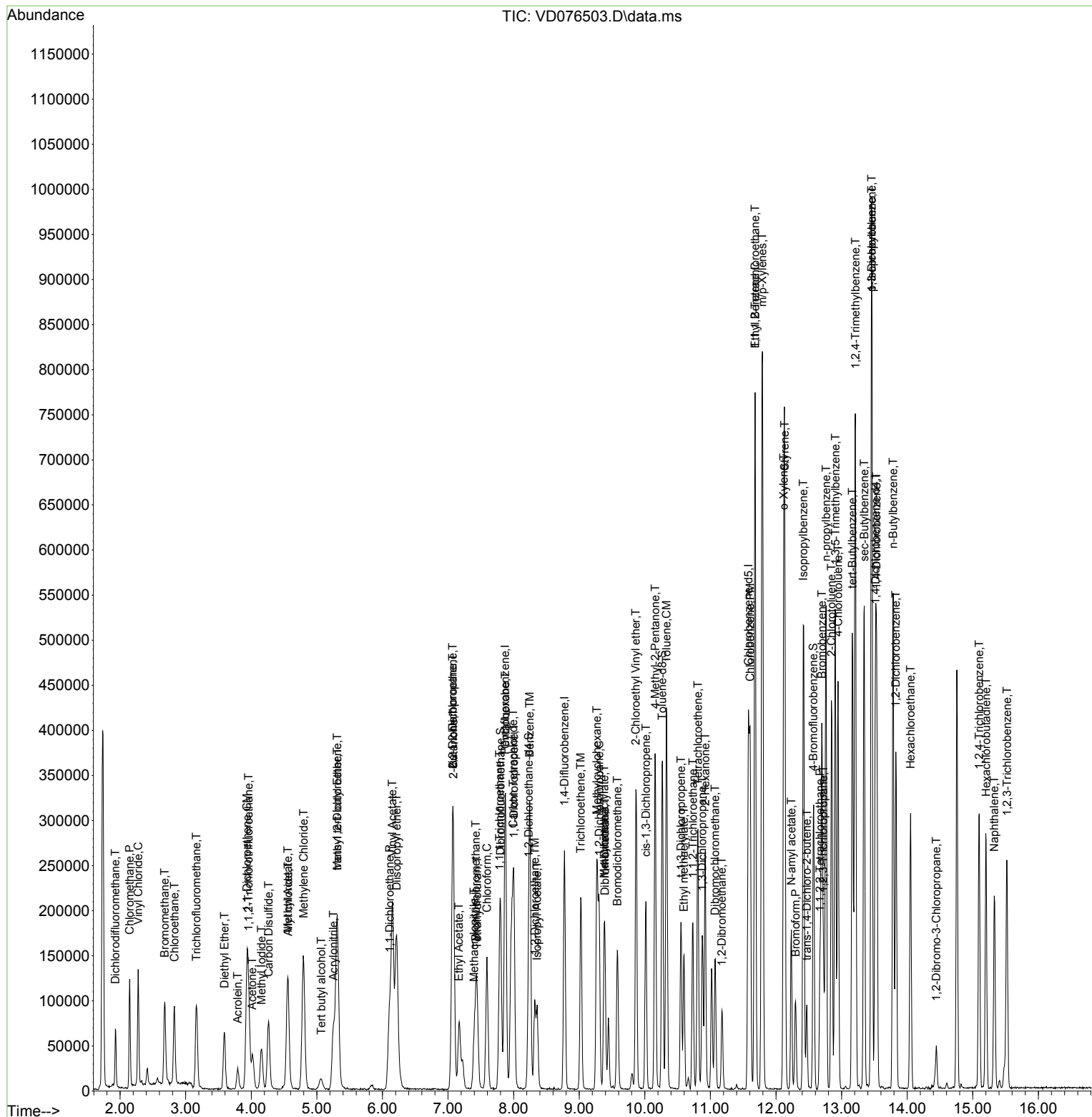
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

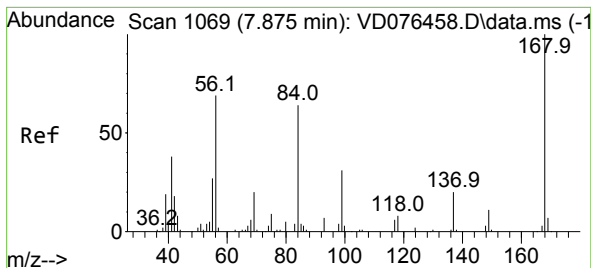
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 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
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 Quant Title : SW846 8260  
 QLast Update : Mon Jun 19 04:51:45 2023  
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.006 min

Lab File: VD076503.D

Acq: 20 Jun 2023 20:49

Instrument :

MSVOA\_D

ClientSampleId :

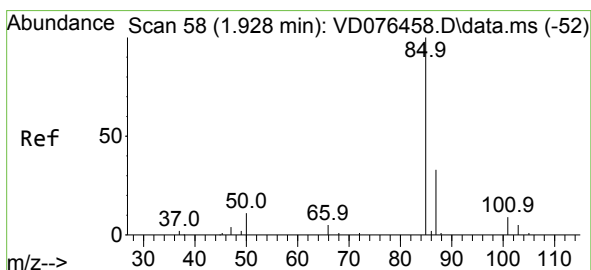
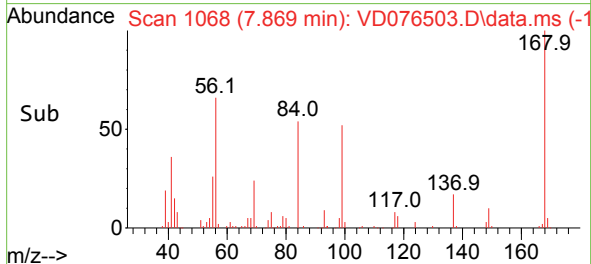
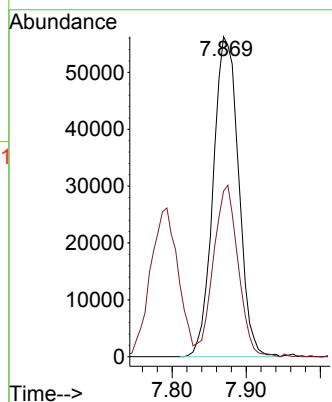
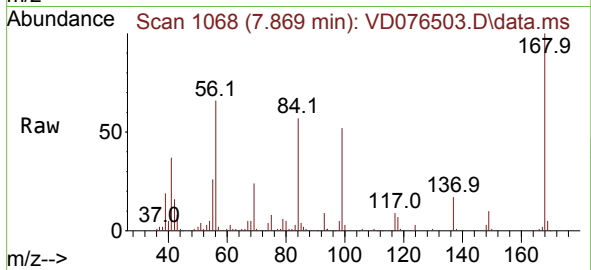
VSTDCCC050EC

Tgt Ion:168 Resp: 134089

Ion Ratio Lower Upper

168 100

99 51.8 36.7 55.1



#2

Dichlorodifluoromethane

Concen: 45.298 ug/l

RT: 1.928 min Scan# 58

Delta R.T. 0.000 min

Lab File: VD076503.D

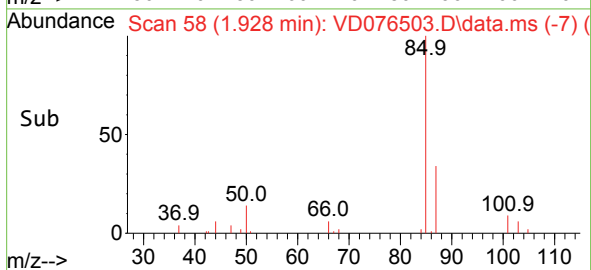
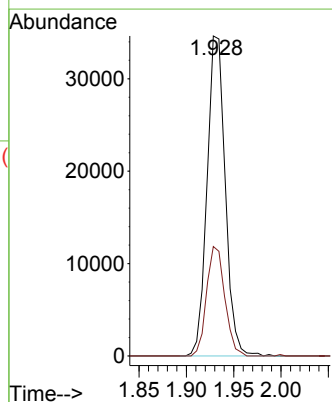
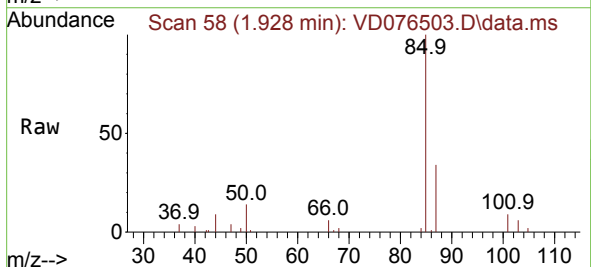
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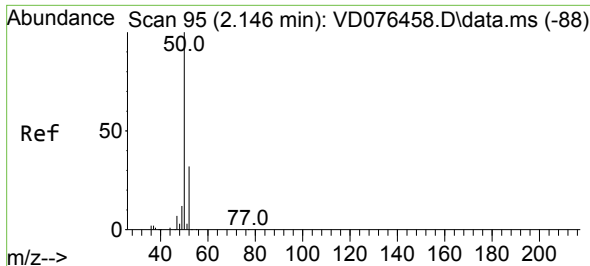
Tgt Ion: 85 Resp: 46154

Ion Ratio Lower Upper

85 100

87 34.2 15.7 47.0

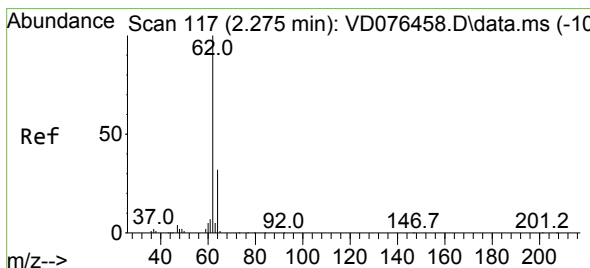
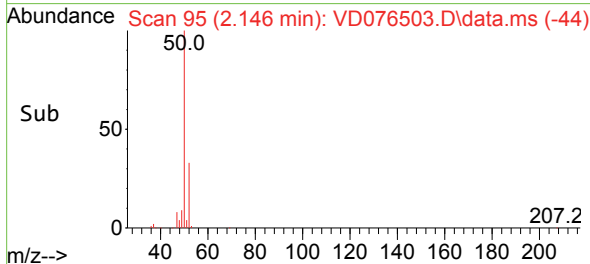
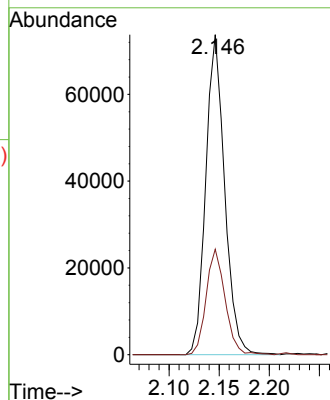
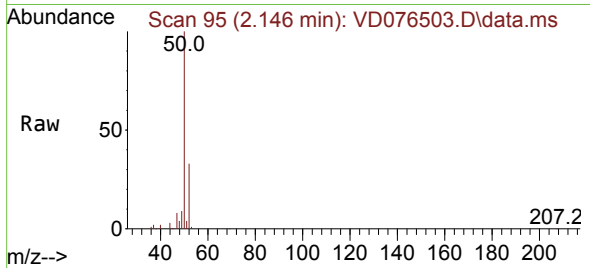




#3  
Chloromethane  
Concen: 45.665 ug/l  
RT: 2.146 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VD076503.D  
Acq: 20 Jun 2023 20:49

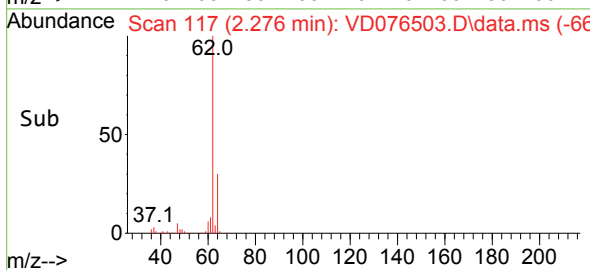
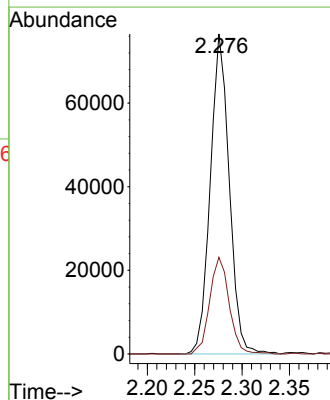
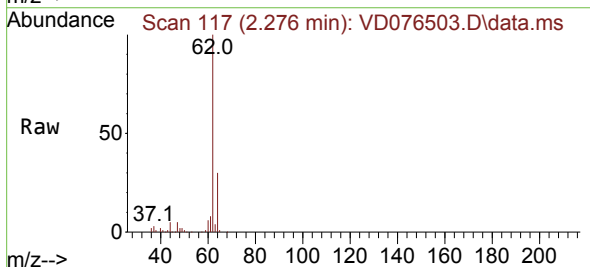
Instrument :  
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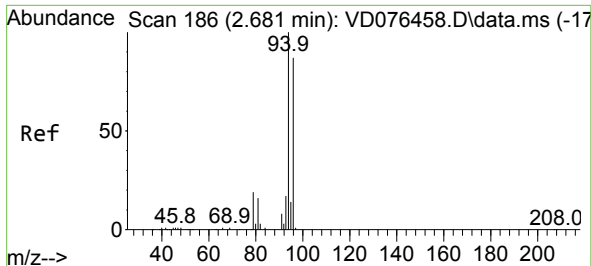
Tgt Ion: 50 Resp: 96767  
Ion Ratio Lower Upper  
50 100  
52 33.0 26.6 40.0



#4  
Vinyl Chloride  
Concen: 45.041 ug/l  
RT: 2.276 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VD076503.D  
Acq: 20 Jun 2023 20:49

Tgt Ion: 62 Resp: 106469  
Ion Ratio Lower Upper  
62 100  
64 30.2 26.0 39.0

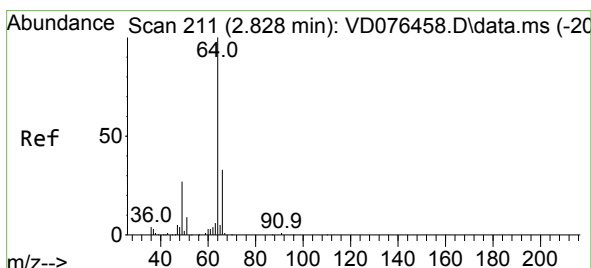
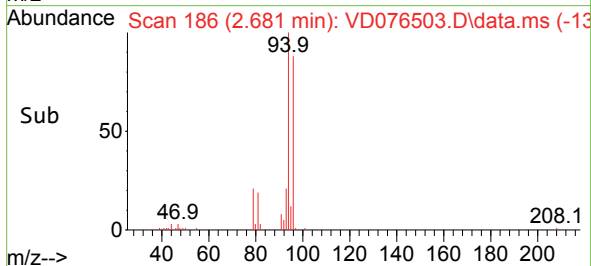
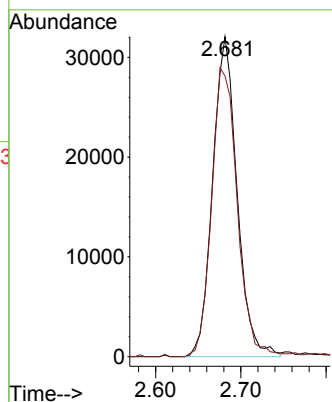
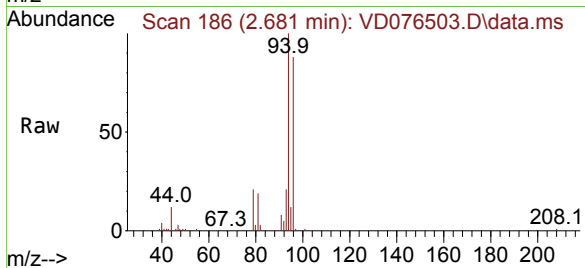




#5  
Bromomethane  
Concen: 41.465 ug/l  
RT: 2.681 min Scan# 186  
Delta R.T. 0.000 min  
Lab File: VD076503.D  
Acq: 20 Jun 2023 20:49

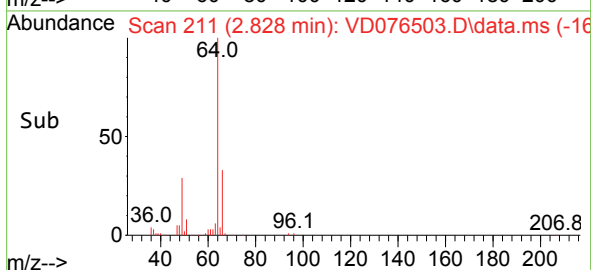
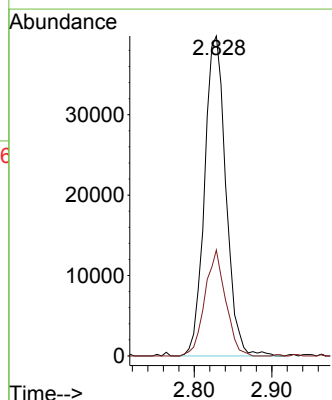
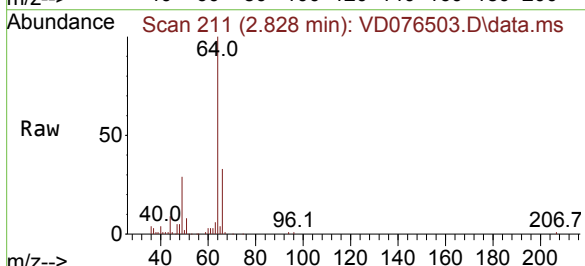
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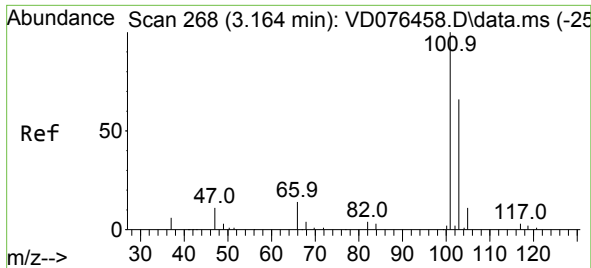
Tgt Ion: 94 Resp: 63730  
Ion Ratio Lower Upper  
94 100  
96 94.9 75.8 113.8



#6  
Chloroethane  
Concen: 46.877 ug/l  
RT: 2.828 min Scan# 211  
Delta R.T. 0.000 min  
Lab File: VD076503.D  
Acq: 20 Jun 2023 20:49

Tgt Ion: 64 Resp: 75948  
Ion Ratio Lower Upper  
64 100  
66 33.1 25.5 38.3

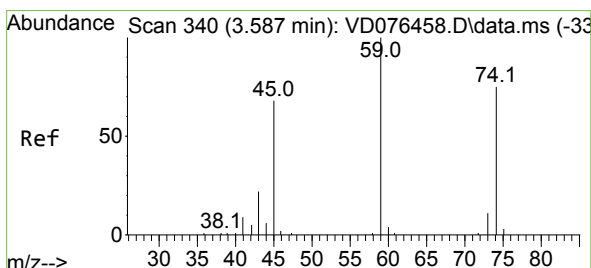
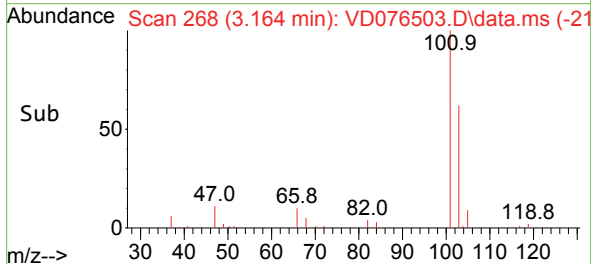
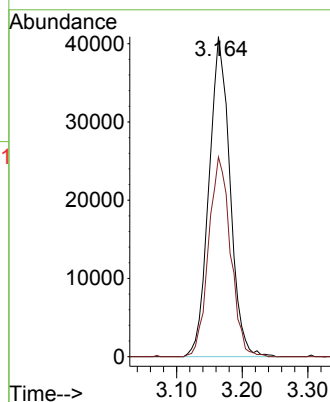
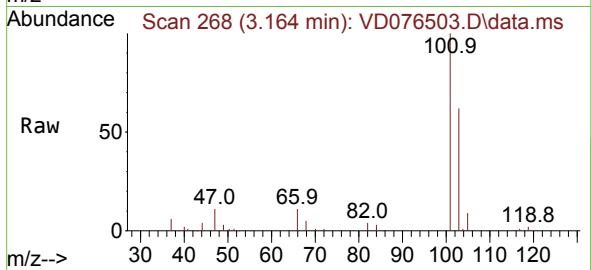




#7  
Trichlorofluoromethane  
Concen: 46.798 ug/l  
RT: 3.164 min Scan# 20  
Delta R.T. 0.000 min  
Lab File: VD076503.D  
Acq: 20 Jun 2023 20:49

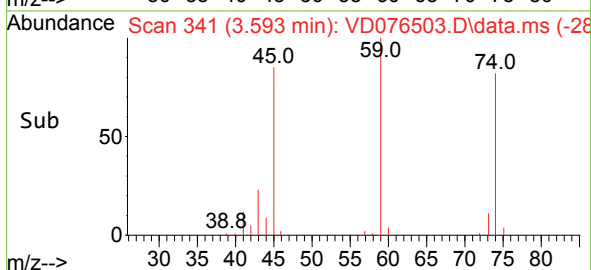
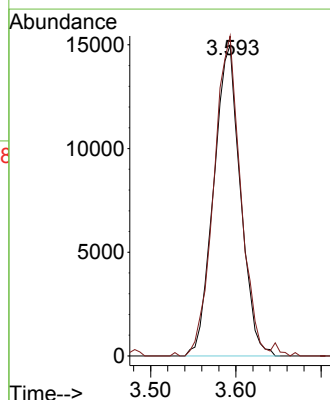
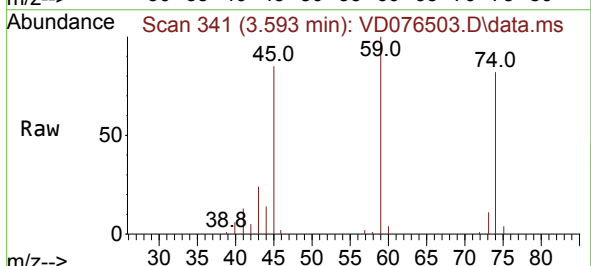
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

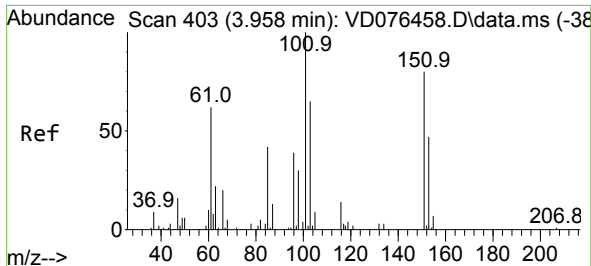
Tgt Ion:101 Resp: 91037  
Ion Ratio Lower Upper  
101 100  
103 62.4 52.3 78.5



#8  
Diethyl Ether  
Concen: 44.555 ug/l  
RT: 3.593 min Scan# 341  
Delta R.T. 0.006 min  
Lab File: VD076503.D  
Acq: 20 Jun 2023 20:49

Tgt Ion: 74 Resp: 32619  
Ion Ratio Lower Upper  
74 100  
45 103.3 37.5 112.7

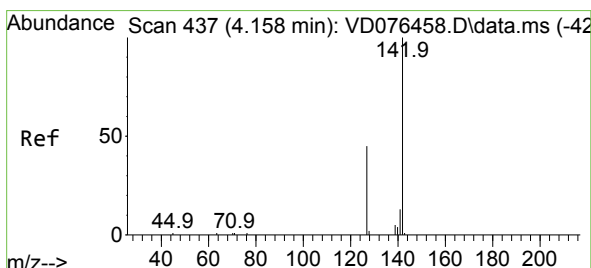
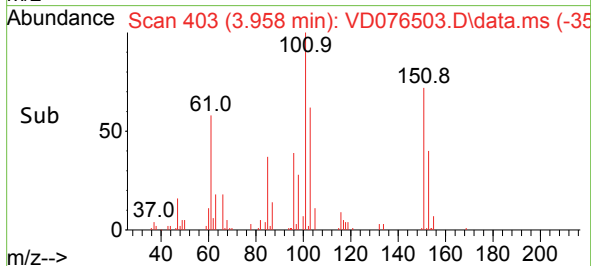
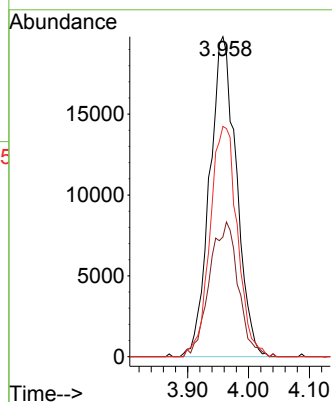
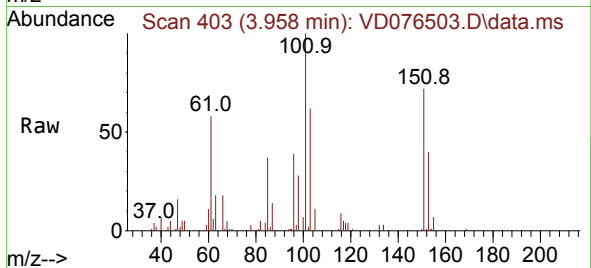




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 48.224 ug/l  
RT: 3.958 min Scan# 403  
Delta R.T. 0.000 min  
Lab File: VD076503.D  
Acq: 20 Jun 2023 20:49

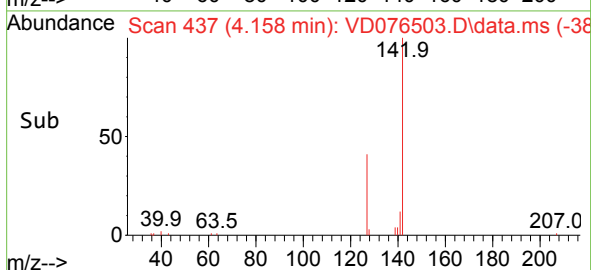
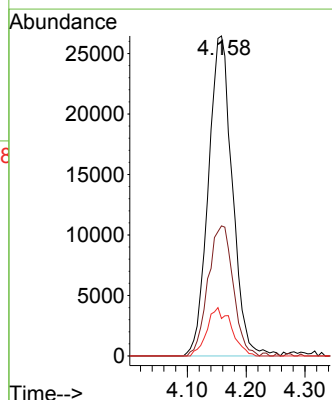
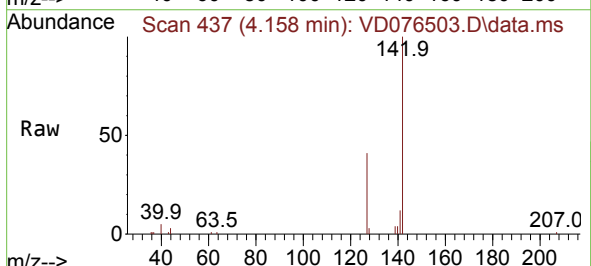
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

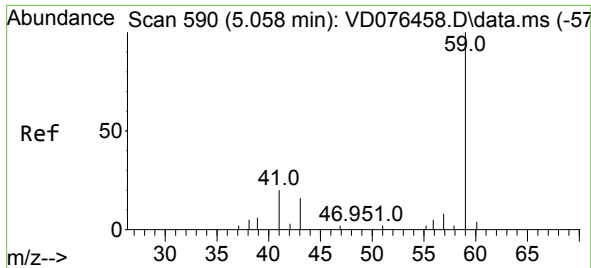
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 101   | Resp: | 60416 |
| Ion      | Ratio | Lower | Upper |
| 101      | 100   |       |       |
| 85       | 45.3  | 33.8  | 50.6  |
| 151      | 73.5  | 59.8  | 89.6  |



#10  
Methyl Iodide  
Concen: 50.487 ug/l  
RT: 4.158 min Scan# 437  
Delta R.T. 0.000 min  
Lab File: VD076503.D  
Acq: 20 Jun 2023 20:49

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 142   | Resp: | 74988 |
| Ion      | Ratio | Lower | Upper |
| 142      | 100   |       |       |
| 127      | 42.5  | 29.4  | 44.0  |
| 141      | 15.4  | 11.1  | 16.7  |

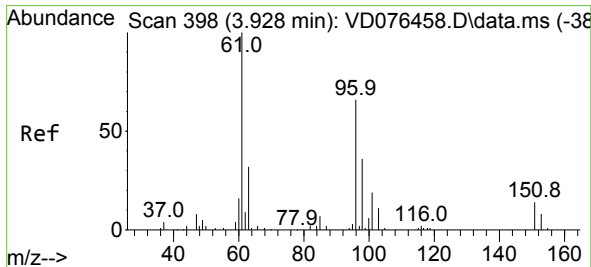
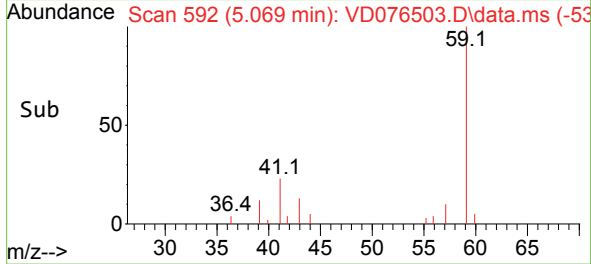
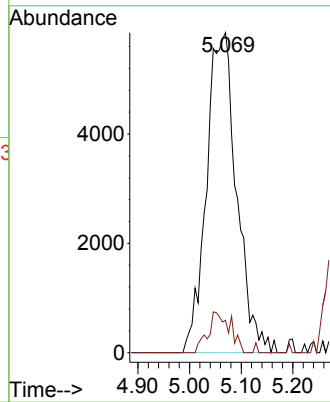
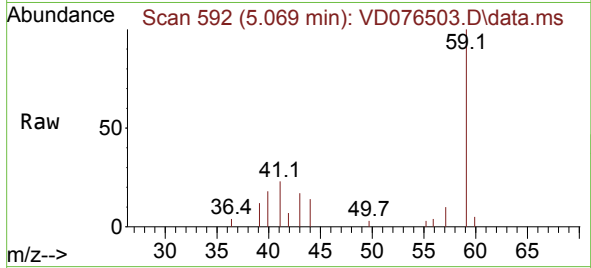




#11  
Tert butyl alcohol  
Concen: 204.527 ug/l  
RT: 5.069 min Scan# 591  
Delta R.T. 0.012 min  
Lab File: VD076503.D  
Acq: 20 Jun 2023 20:49

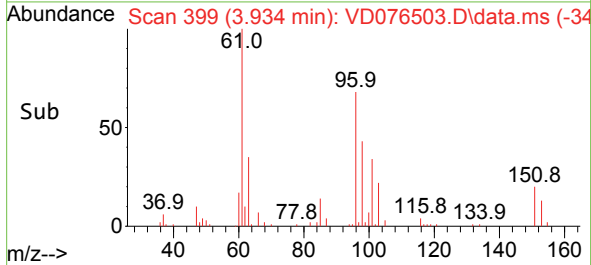
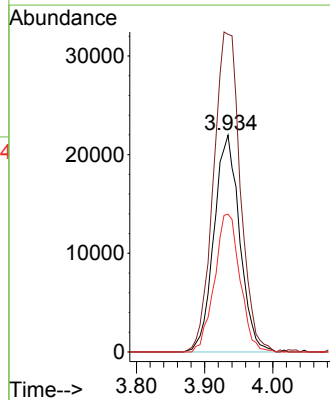
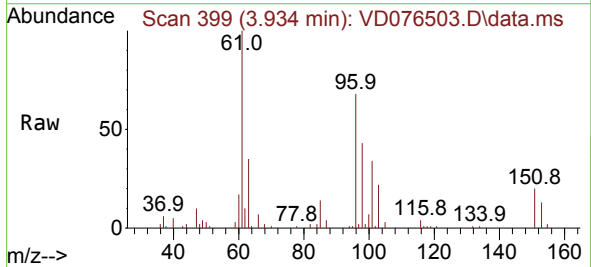
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

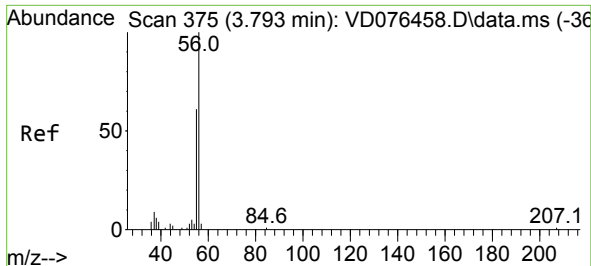
Tgt Ion: 59 Resp: 23724  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.8 11.8#



#12  
1,1-Dichloroethene  
Concen: 46.860 ug/l  
RT: 3.934 min Scan# 399  
Delta R.T. 0.006 min  
Lab File: VD076503.D  
Acq: 20 Jun 2023 20:49

Tgt Ion: 96 Resp: 57496  
Ion Ratio Lower Upper  
96 100  
61 146.5 100.6 150.8  
98 63.6 50.2 75.2

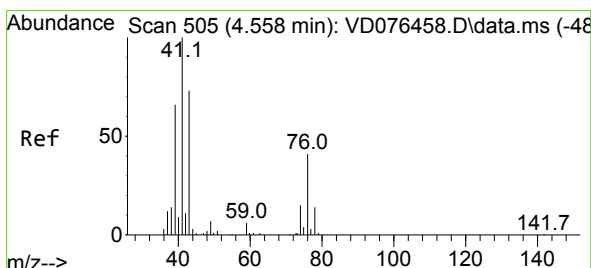
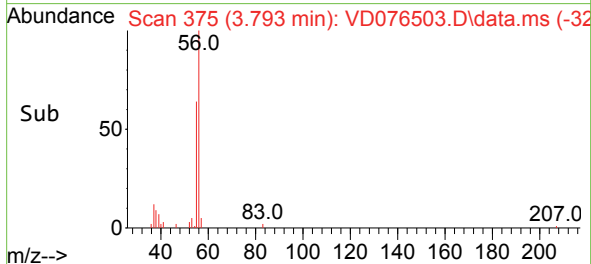
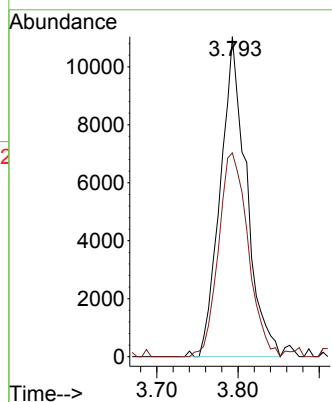
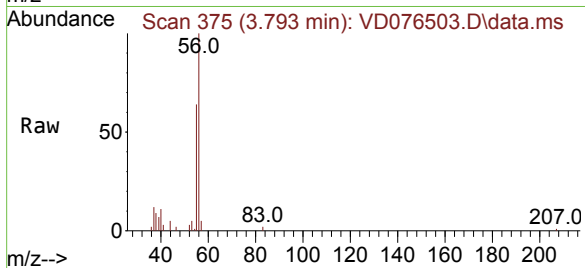




#13  
Acrolein  
Concen: 197.105 ug/l  
RT: 3.793 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VD076503.D  
Acq: 20 Jun 2023 20:49

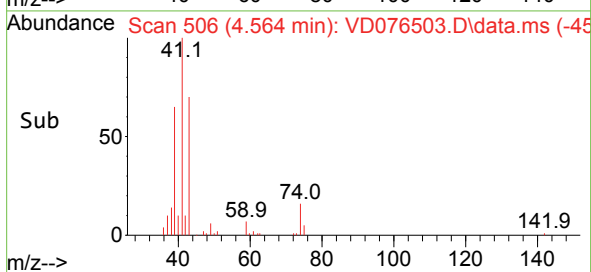
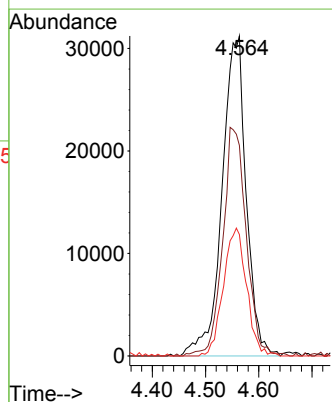
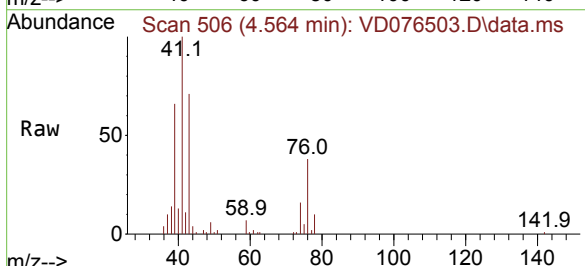
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

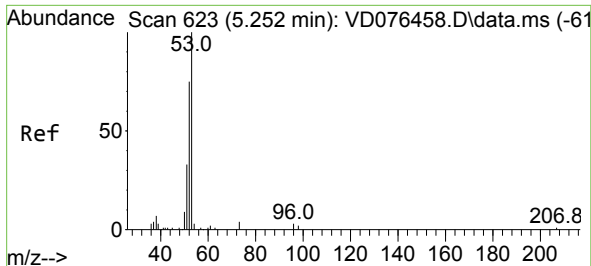
Tgt Ion: 56 Resp: 24626  
Ion Ratio Lower Upper  
56 100  
55 72.2 55.1 82.7



#14  
Allyl chloride  
Concen: 43.841 ug/l  
RT: 4.564 min Scan# 506  
Delta R.T. 0.006 min  
Lab File: VD076503.D  
Acq: 20 Jun 2023 20:49

Tgt Ion: 41 Resp: 98373  
Ion Ratio Lower Upper  
41 100  
39 69.4 53.8 80.6  
76 38.4 45.8 68.8#

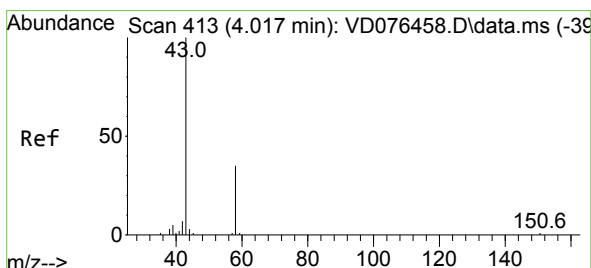
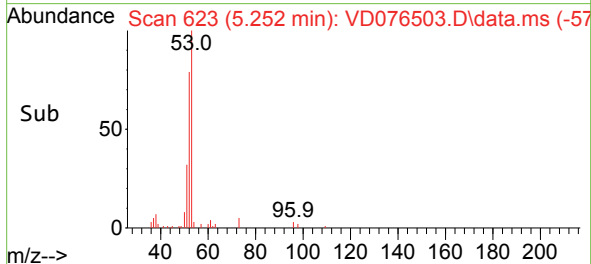
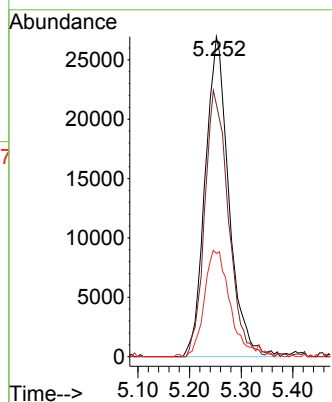
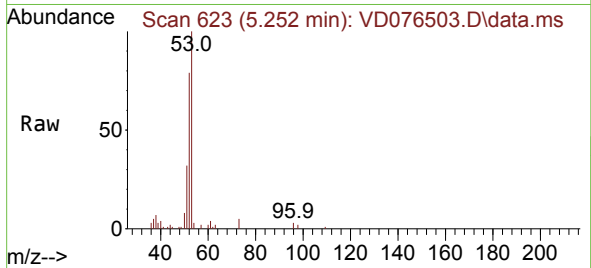




#15  
Acrylonitrile  
Concen: 228.578 ug/l  
RT: 5.252 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VD076503.D  
Acq: 20 Jun 2023 20:49

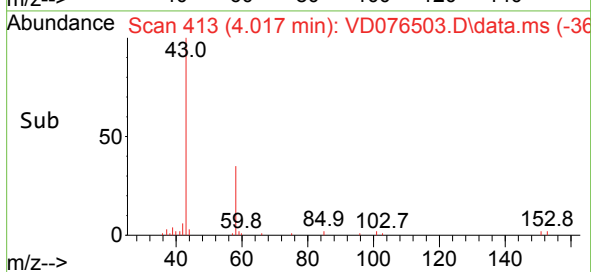
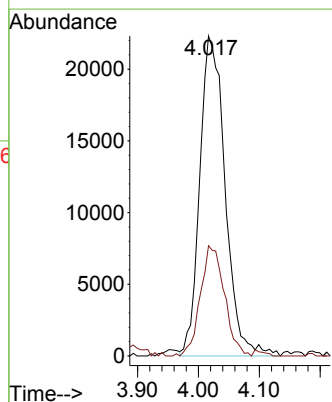
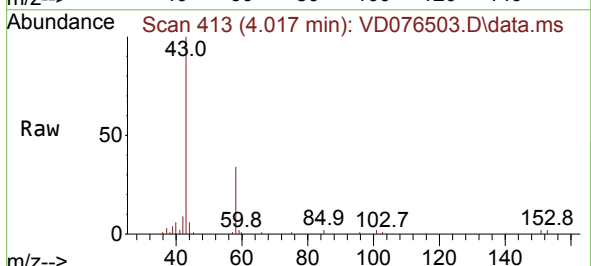
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

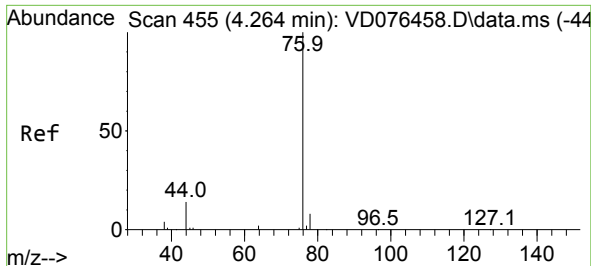
Tgt Ion: 53 Resp: 86051  
Ion Ratio Lower Upper  
53 100  
52 83.0 65.0 97.4  
51 35.4 28.3 42.5



#16  
Acetone  
Concen: 202.520 ug/l  
RT: 4.017 min Scan# 413  
Delta R.T. 0.000 min  
Lab File: VD076503.D  
Acq: 20 Jun 2023 20:49

Tgt Ion: 43 Resp: 64744  
Ion Ratio Lower Upper  
43 100  
58 34.5 34.7 52.1#





#17

Carbon Disulfide

Concen: 45.147 ug/l

RT: 4.264 min Scan# 4

Delta R.T. 0.000 min

Lab File: VD076503.D

Acq: 20 Jun 2023 20:49

Instrument :

MSVOA\_D

ClientSampleId :

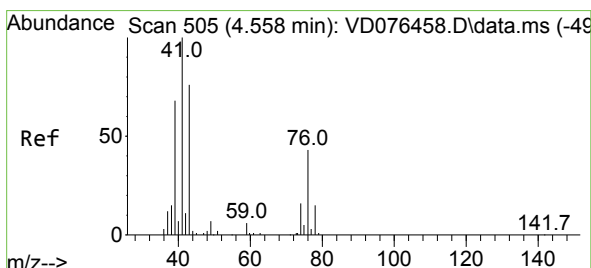
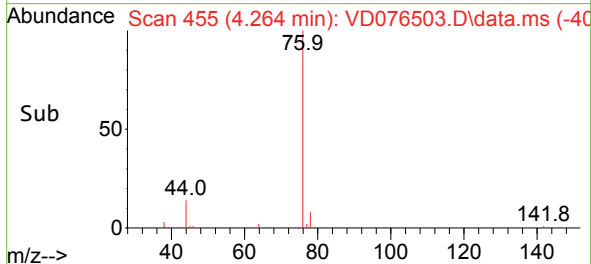
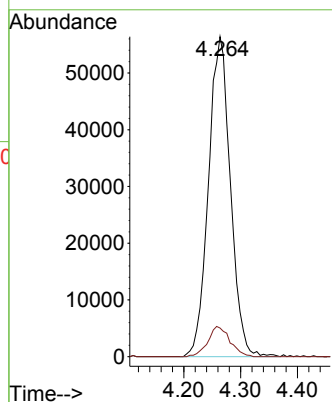
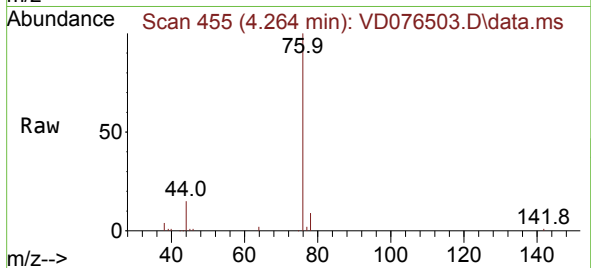
VSTDCCC050EC

Tgt Ion: 76 Resp: 151352

Ion Ratio Lower Upper

76 100

78 9.0 6.8 10.2



#18

Methyl Acetate

Concen: 45.177 ug/l

RT: 4.558 min Scan# 505

Delta R.T. 0.000 min

Lab File: VD076503.D

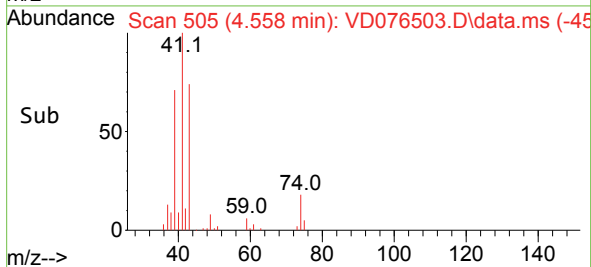
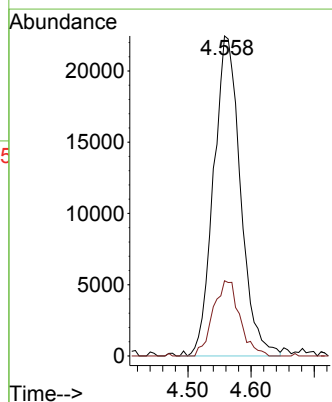
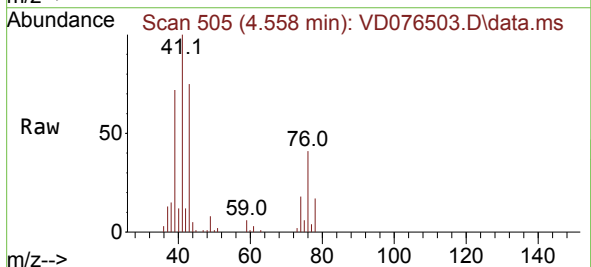
Acq: 20 Jun 2023 20:49

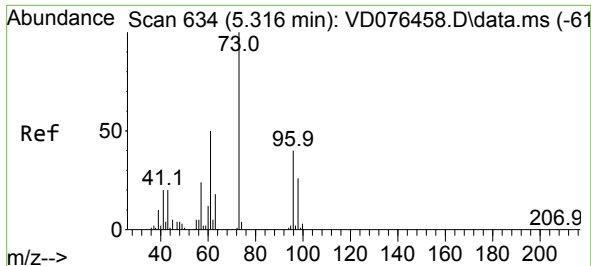
Tgt Ion: 43 Resp: 66559

Ion Ratio Lower Upper

43 100

74 23.2 26.4 39.6#

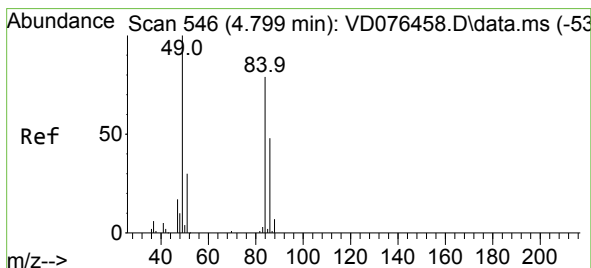
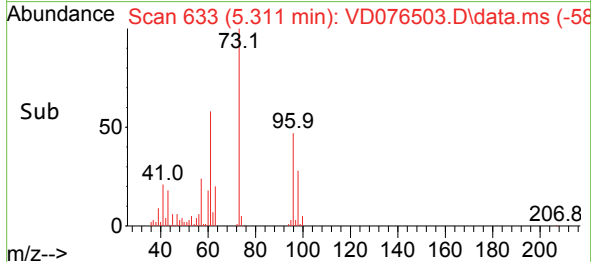
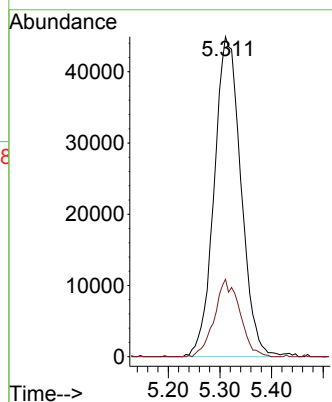
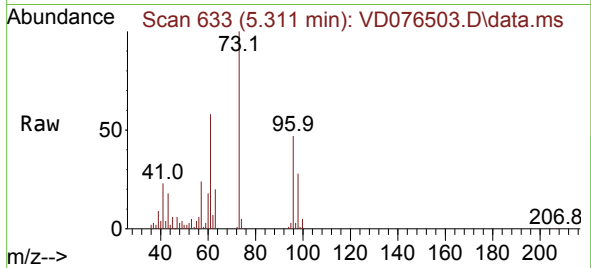




#19  
Methyl tert-butyl Ether  
Concen: 48.035 ug/l  
RT: 5.311 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: VD076503.D  
Acq: 20 Jun 2023 20:49

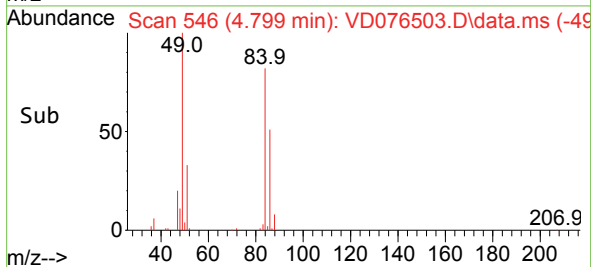
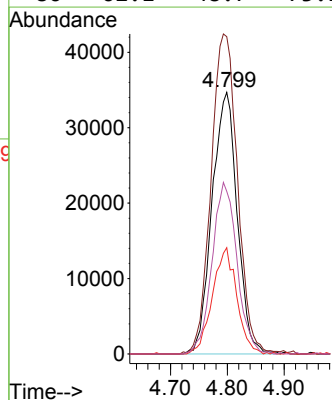
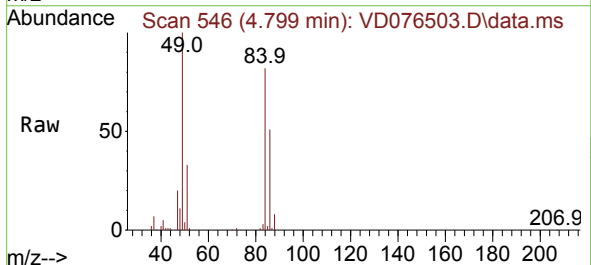
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

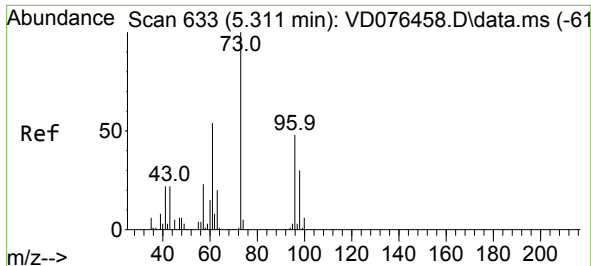
Tgt Ion: 73 Resp: 161215  
Ion Ratio Lower Upper  
73 100  
57 24.2 16.6 25.0



#20  
Methylene Chloride  
Concen: 61.441 ug/l  
RT: 4.799 min Scan# 546  
Delta R.T. -0.000 min  
Lab File: VD076503.D  
Acq: 20 Jun 2023 20:49

Tgt Ion: 84 Resp: 106913  
Ion Ratio Lower Upper  
84 100  
49 121.3 71.4 107.2#  
51 40.6 24.5 36.7#  
86 62.1 48.7 73.1

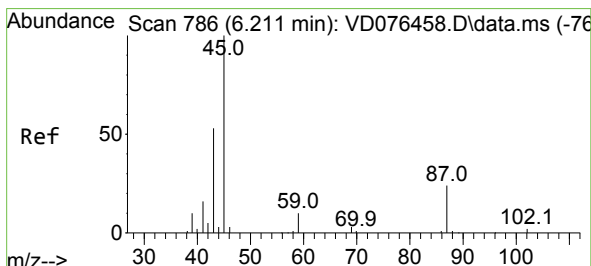
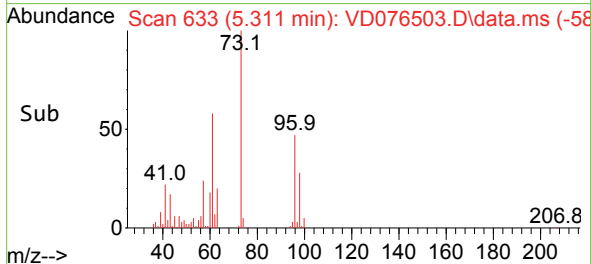
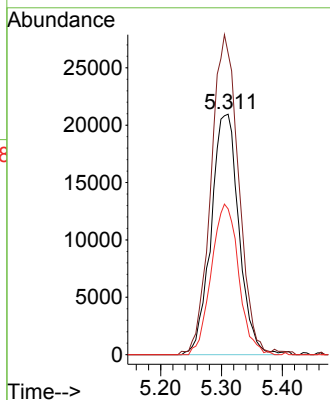
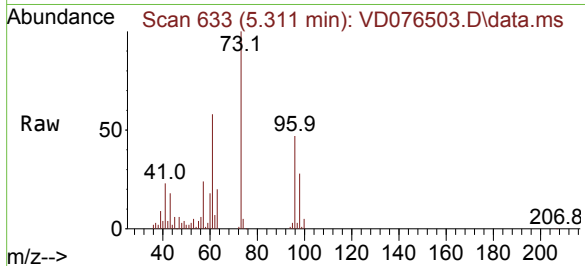




#21  
trans-1,2-Dichloroethene  
Concen: 46.749 ug/l  
RT: 5.311 min Scan# 611  
Delta R.T. 0.000 min  
Lab File: VD076503.D  
Acq: 20 Jun 2023 20:49

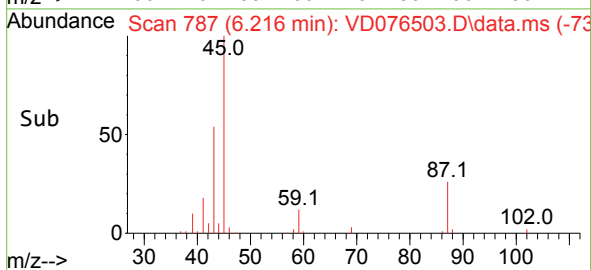
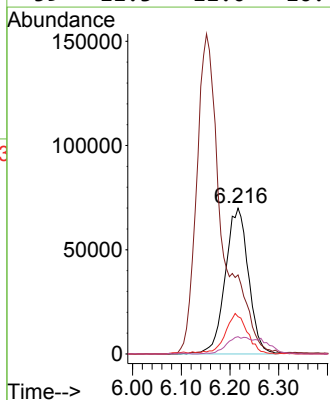
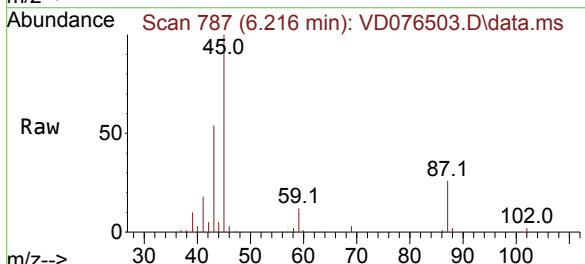
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

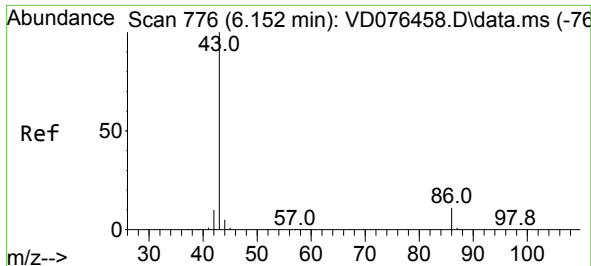
Tgt Ion: 96 Resp: 66297  
Ion Ratio Lower Upper  
96 100  
61 125.3 89.3 133.9  
98 60.6 48.6 73.0



#22  
Diisopropyl ether  
Concen: 47.634 ug/l  
RT: 6.216 min Scan# 787  
Delta R.T. 0.006 min  
Lab File: VD076503.D  
Acq: 20 Jun 2023 20:49

Tgt Ion: 45 Resp: 231119  
Ion Ratio Lower Upper  
45 100  
43 53.3 40.0 60.0  
87 25.4 28.2 42.4#  
59 11.3 11.0 16.4

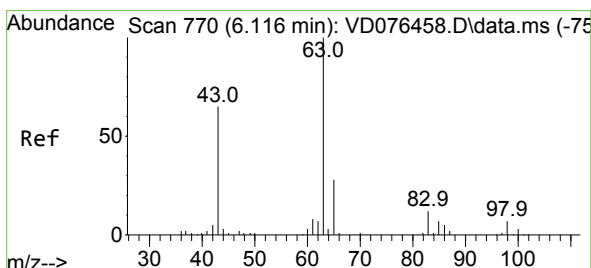
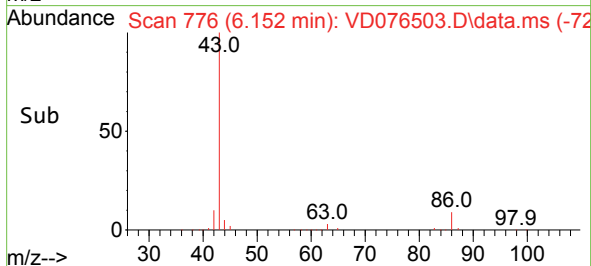
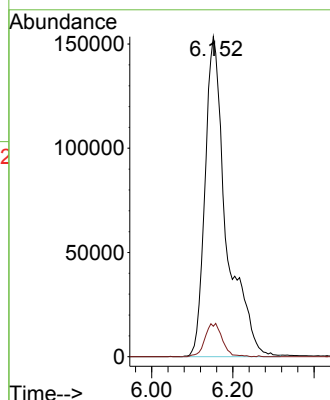
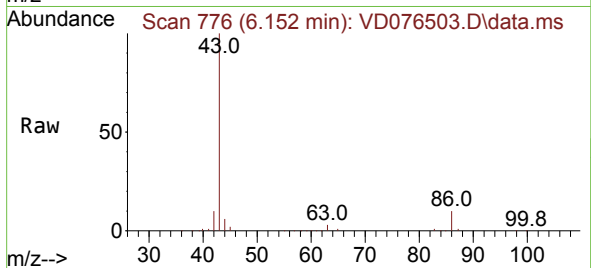




#23  
 Vinyl Acetate  
 Concen: 233.163 ug/l  
 RT: 6.152 min Scan# 776  
 Delta R.T. 0.000 min  
 Lab File: VD076503.D  
 Acq: 20 Jun 2023 20:49

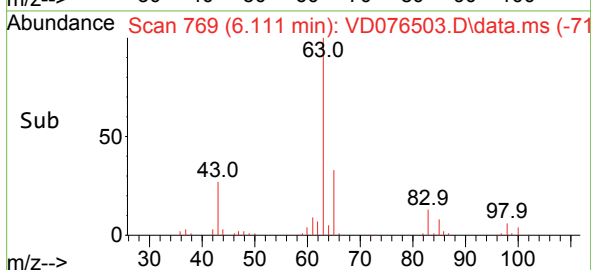
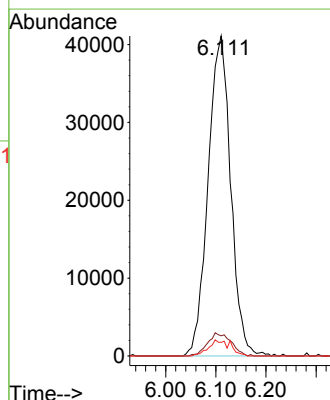
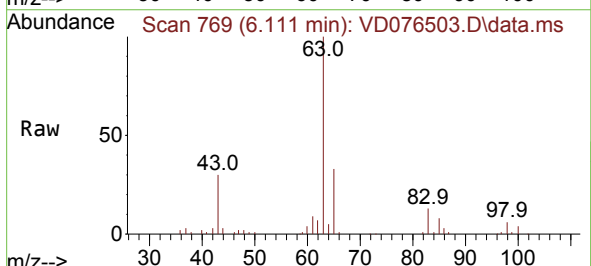
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

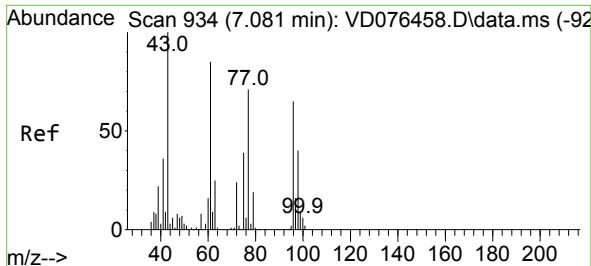
Tgt Ion: 43 Resp: 560756  
 Ion Ratio Lower Upper  
 43 100  
 86 9.5 12.5 18.7#



#24  
 1,1-Dichloroethane  
 Concen: 47.566 ug/l  
 RT: 6.111 min Scan# 769  
 Delta R.T. -0.005 min  
 Lab File: VD076503.D  
 Acq: 20 Jun 2023 20:49

Tgt Ion: 63 Resp: 128876  
 Ion Ratio Lower Upper  
 63 100  
 98 6.3 4.5 13.7  
 100 4.3 2.5 7.5

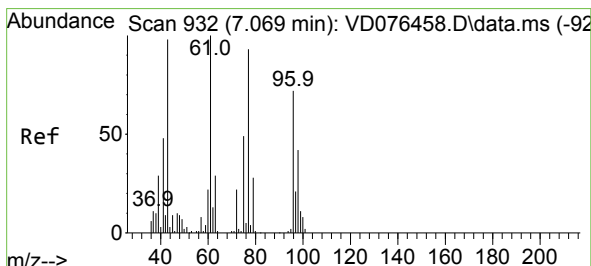
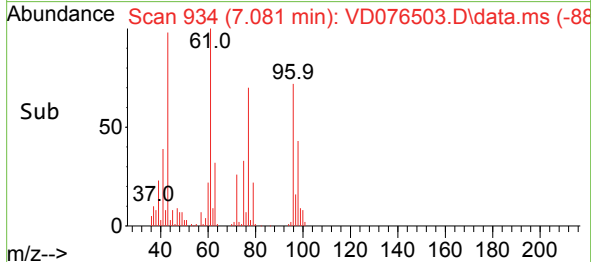
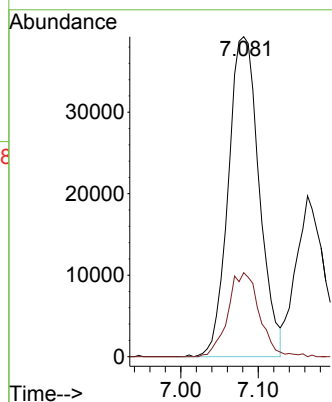
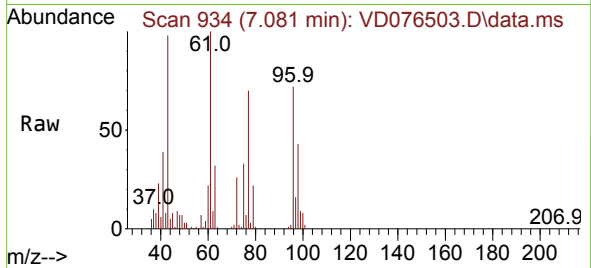




#25  
2-Butanone  
Concen: 220.297 ug/l  
RT: 7.081 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VD076503.D  
Acq: 20 Jun 2023 20:49

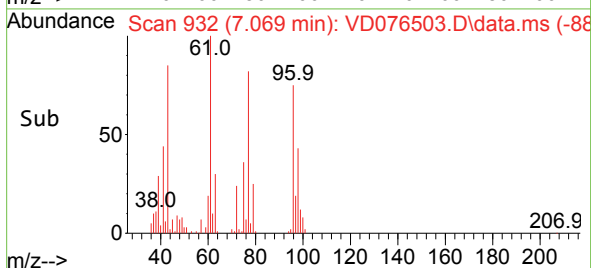
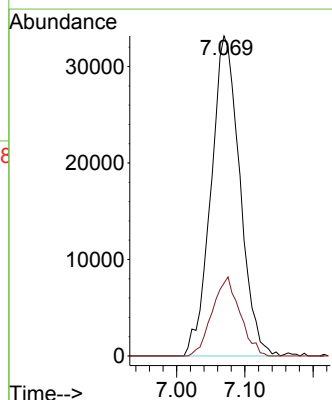
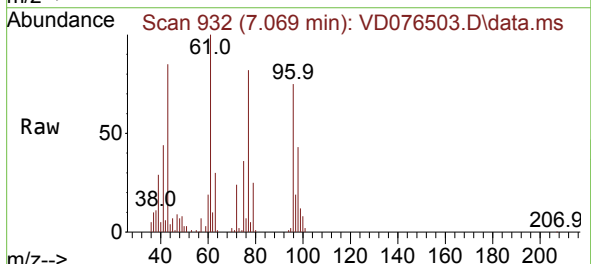
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

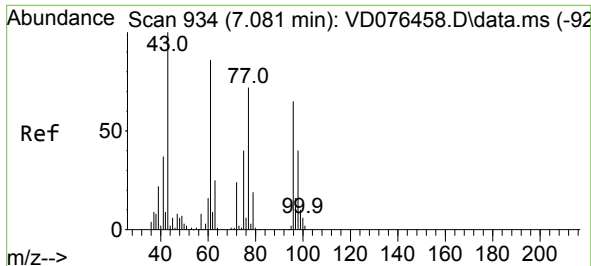
Tgt Ion: 43 Resp: 108929  
Ion Ratio Lower Upper  
43 100  
72 26.2 30.7 46.1#



#26  
2,2-Dichloropropane  
Concen: 41.689 ug/l  
RT: 7.069 min Scan# 932  
Delta R.T. 0.000 min  
Lab File: VD076503.D  
Acq: 20 Jun 2023 20:49

Tgt Ion: 77 Resp: 97384  
Ion Ratio Lower Upper  
77 100  
97 23.7 13.2 39.6

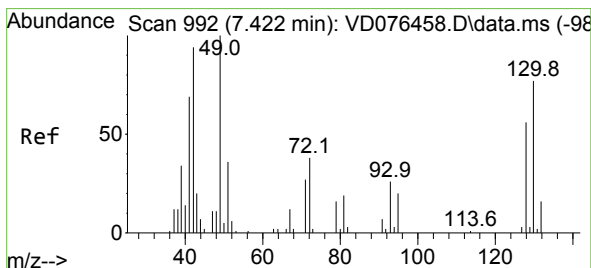
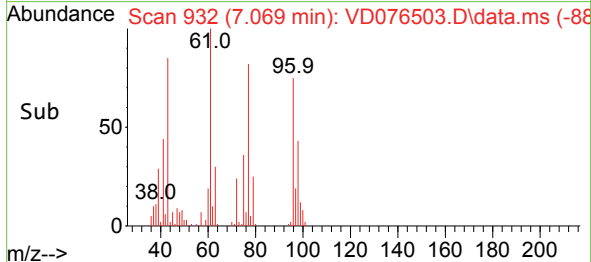
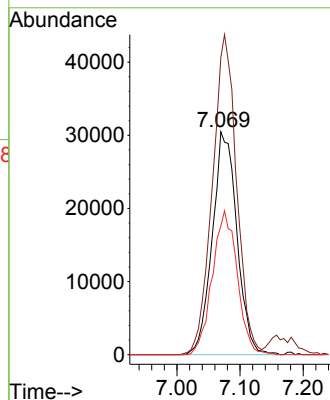
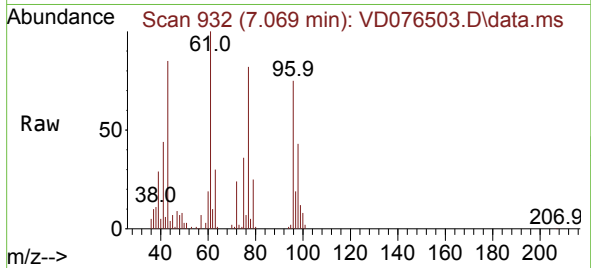




#27  
 cis-1,2-Dichloroethene  
 Concen: 48.081 ug/l  
 RT: 7.069 min Scan# 91  
 Delta R.T. -0.012 min  
 Lab File: VD076503.D  
 Acq: 20 Jun 2023 20:49

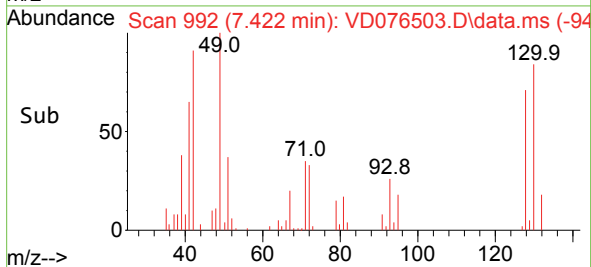
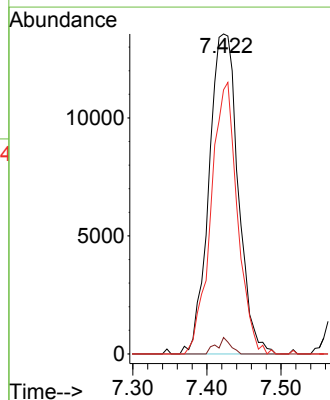
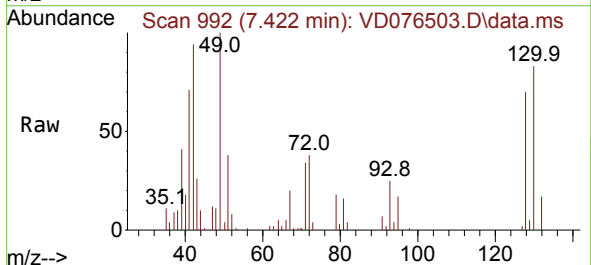
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

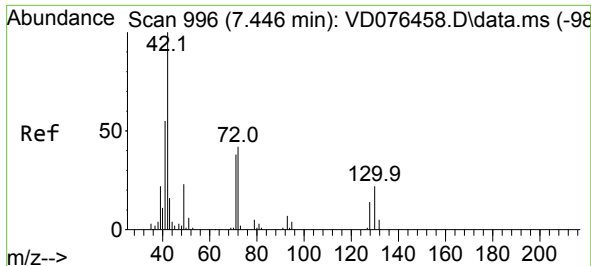
Tgt Ion: 96 Resp: 82522  
 Ion Ratio Lower Upper  
 96 100  
 61 141.1 0.0 239.2  
 98 65.3 0.0 128.6



#28  
 Bromochloromethane  
 Concen: 47.467 ug/l  
 RT: 7.422 min Scan# 992  
 Delta R.T. 0.000 min  
 Lab File: VD076503.D  
 Acq: 20 Jun 2023 20:49

Tgt Ion: 49 Resp: 37132  
 Ion Ratio Lower Upper  
 49 100  
 129 2.4 0.0 6.0  
 130 77.1 83.2 124.8#

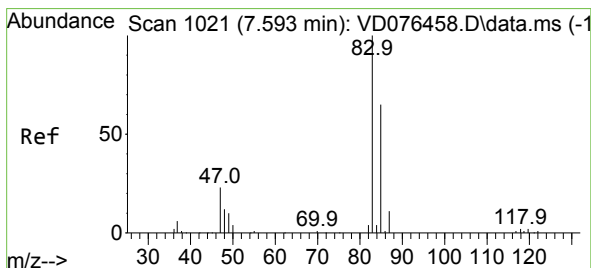
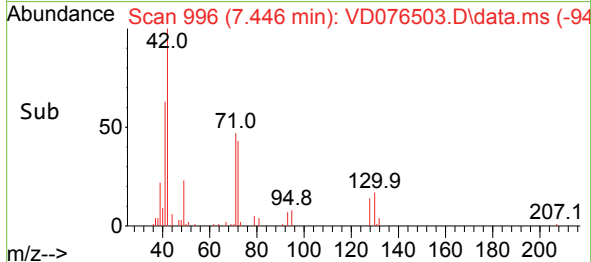
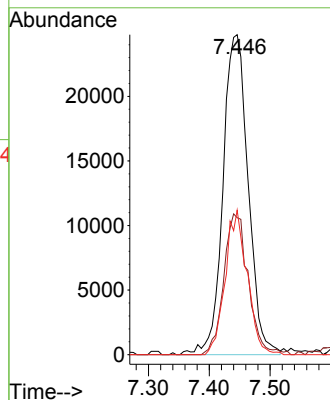
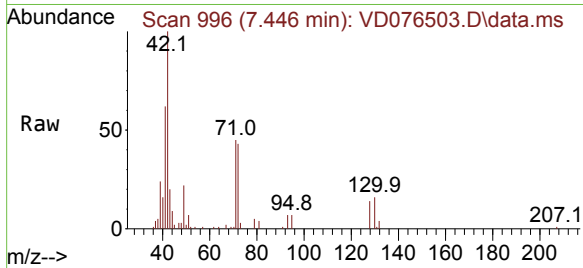




#29  
Tetrahydrofuran  
Concen: 224.148 ug/l  
RT: 7.446 min Scan# 996  
Delta R.T. -0.000 min  
Lab File: VD076503.D  
Acq: 20 Jun 2023 20:49

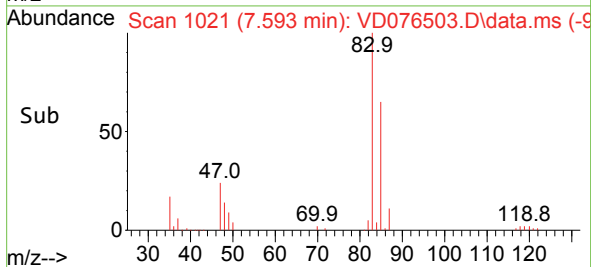
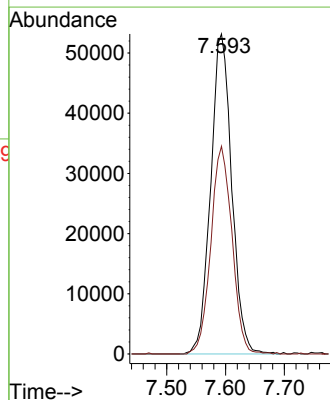
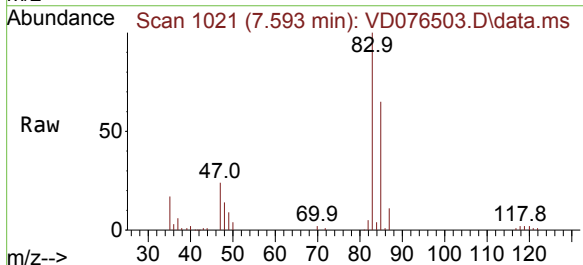
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

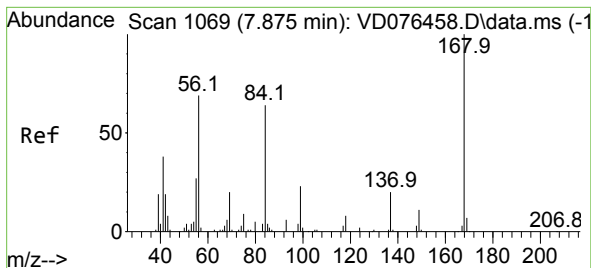
Tgt Ion: 42 Resp: 71227  
Ion Ratio Lower Upper  
42 100  
72 42.9 46.5 69.7#  
71 39.4 44.5 66.7#



#30  
Chloroform  
Concen: 49.236 ug/l  
RT: 7.593 min Scan# 1021  
Delta R.T. -0.000 min  
Lab File: VD076503.D  
Acq: 20 Jun 2023 20:49

Tgt Ion: 83 Resp: 132088  
Ion Ratio Lower Upper  
83 100  
85 64.9 53.4 80.2





#31

Cyclohexane

Concen: 46.424 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD076503.D

Acq: 20 Jun 2023 20:49

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

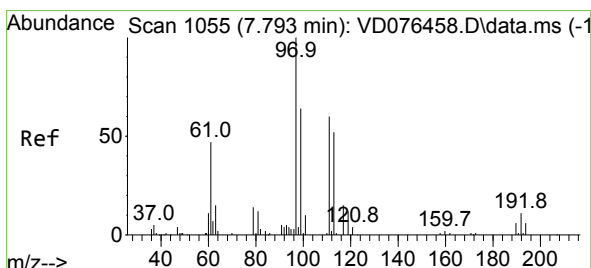
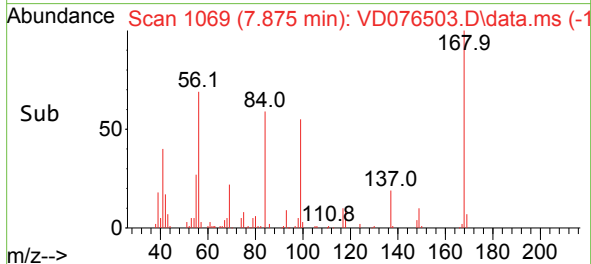
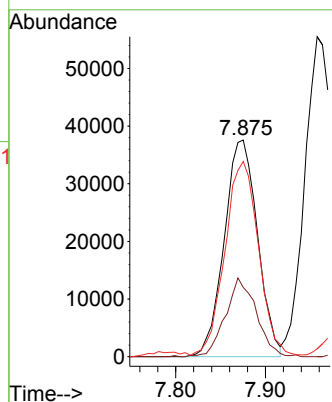
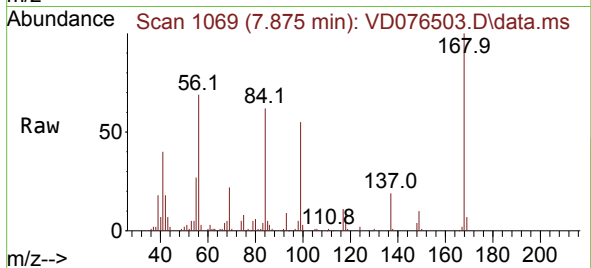
Tgt Ion: 56 Resp: 96795

Ion Ratio Lower Upper

56 100

69 32.0 28.6 43.0

84 88.9 84.8 127.2



#32

1,1,1-Trichloroethane

Concen: 48.884 ug/l

RT: 7.787 min Scan# 1054

Delta R.T. -0.006 min

Lab File: VD076503.D

Acq: 20 Jun 2023 20:49

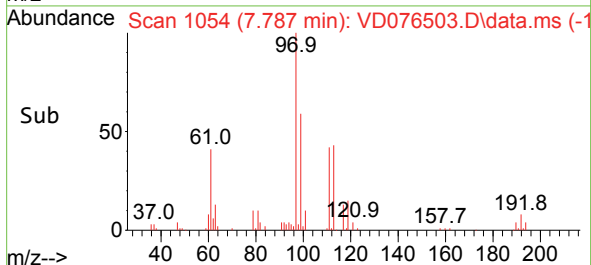
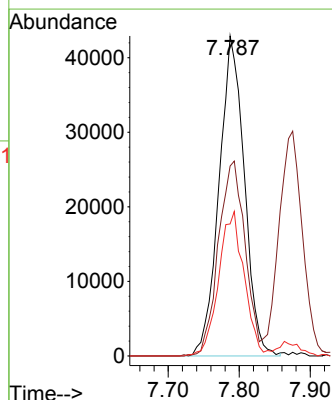
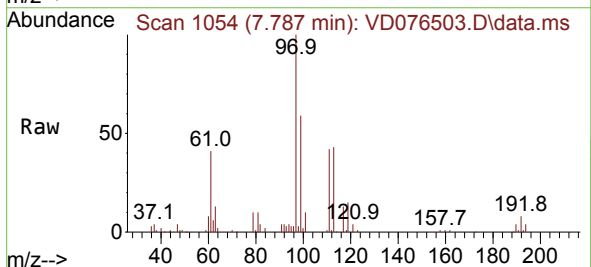
Tgt Ion: 97 Resp: 106011

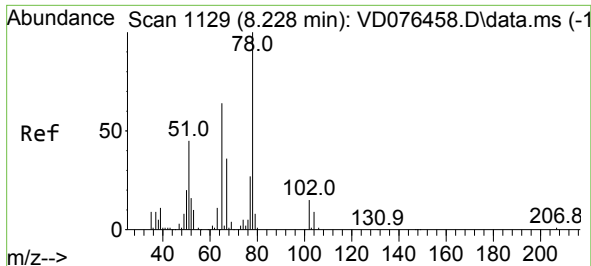
Ion Ratio Lower Upper

97 100

99 64.1 52.0 78.0

61 45.8 33.8 50.8





#33

1,2-Dichloroethane-d4

Concen: 48.235 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD076503.D

Acq: 20 Jun 2023 20:49

Instrument :

MSVOA\_D

ClientSampleId :

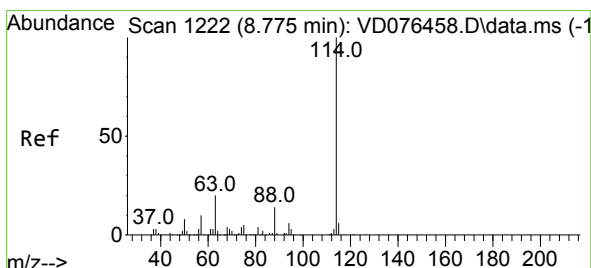
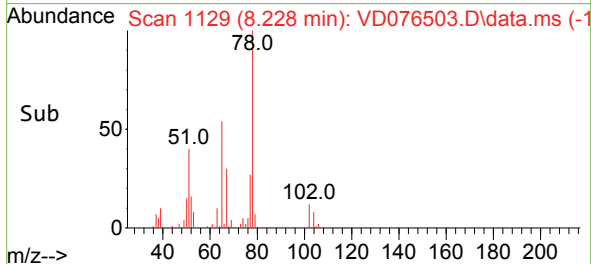
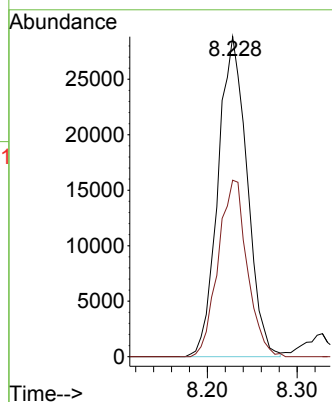
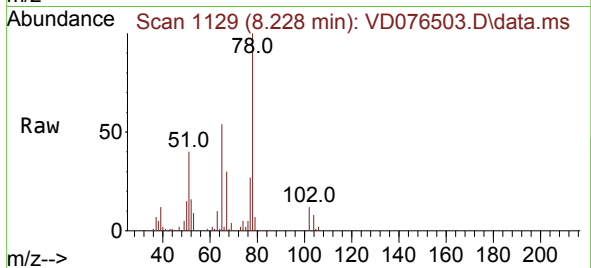
VSTDCCC050EC

Tgt Ion: 65 Resp: 64801

Ion Ratio Lower Upper

65 100

67 55.1 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD076503.D

Acq: 20 Jun 2023 20:49

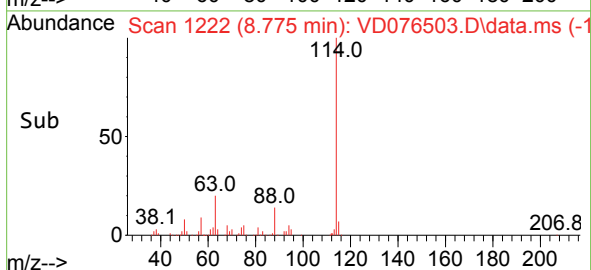
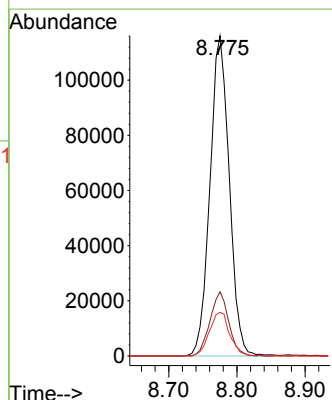
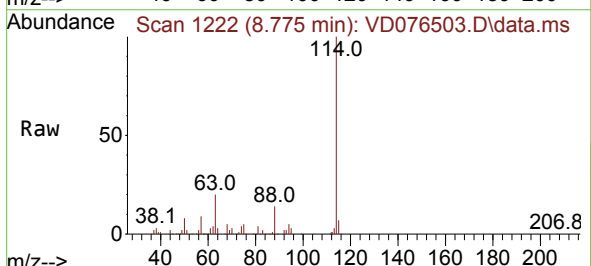
Tgt Ion: 114 Resp: 228921

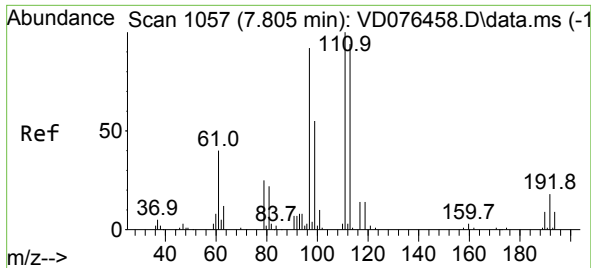
Ion Ratio Lower Upper

114 100

63 20.1 0.0 33.4

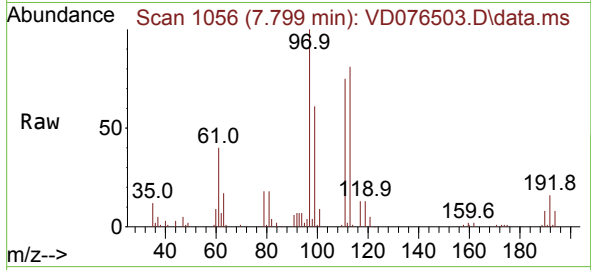
88 13.7 0.0 26.2



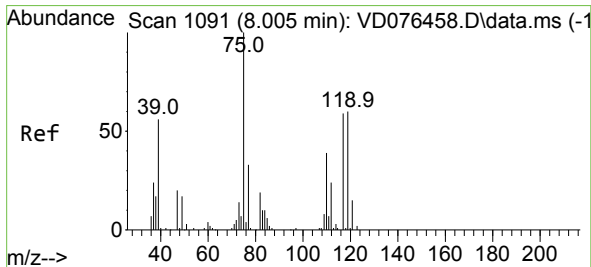
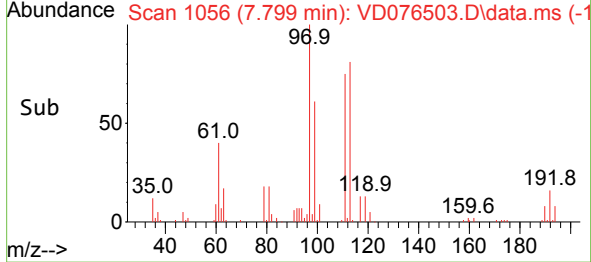
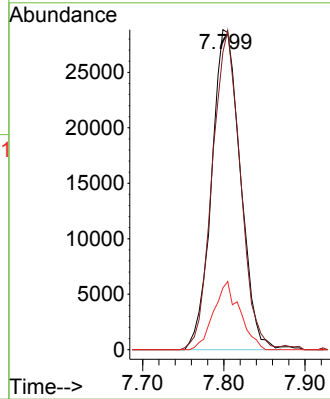


#35  
 Dibromofluoromethane  
 Concen: 52.212 ug/l  
 RT: 7.799 min Scan# 1056  
 Delta R.T. -0.006 min  
 Lab File: VD076503.D  
 Acq: 20 Jun 2023 20:49

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

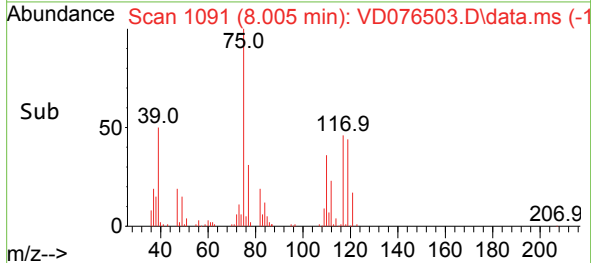
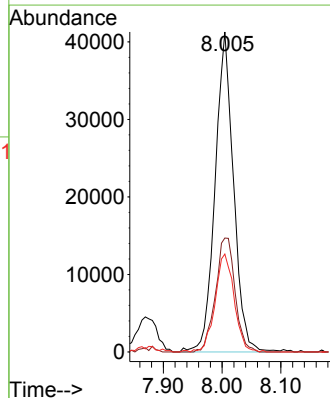
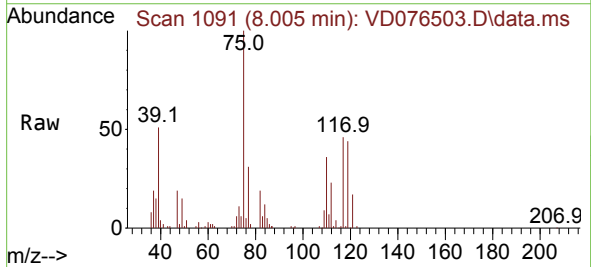


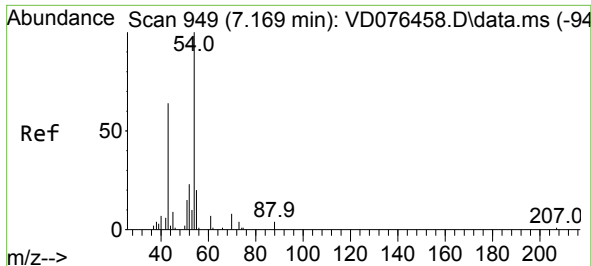
Tgt Ion:113 Resp: 71005  
 Ion Ratio Lower Upper  
 113 100  
 111 97.0 84.7 127.1  
 192 19.5 16.8 25.2



#36  
 1,1-Dichloropropene  
 Concen: 47.303 ug/l  
 RT: 8.005 min Scan# 1091  
 Delta R.T. 0.000 min  
 Lab File: VD076503.D  
 Acq: 20 Jun 2023 20:49

Tgt Ion: 75 Resp: 90086  
 Ion Ratio Lower Upper  
 75 100  
 110 37.8 19.9 59.6  
 77 31.6 24.7 37.1

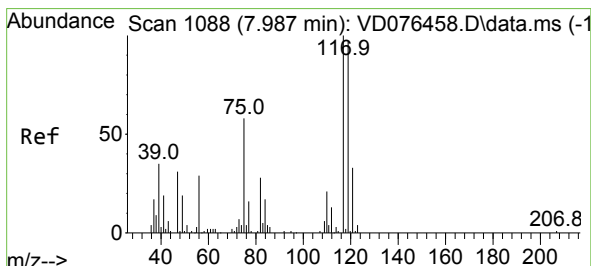
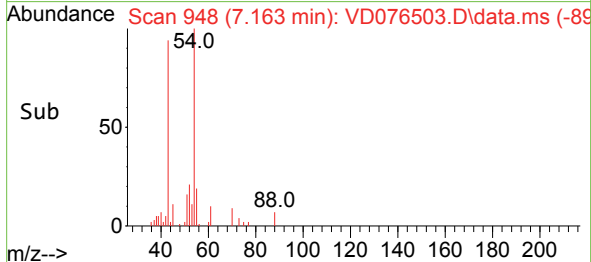
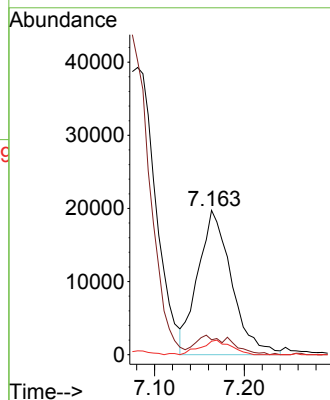
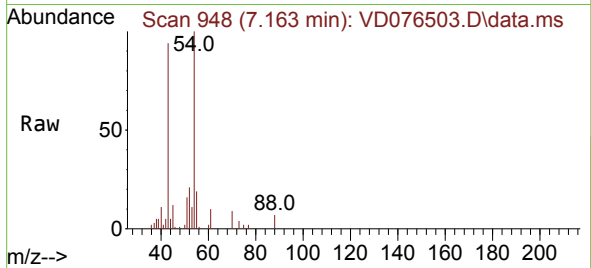




#37  
Ethyl Acetate  
Concen: 46.539 ug/l  
RT: 7.163 min Scan# 949  
Delta R.T. -0.006 min  
Lab File: VD076503.D  
Acq: 20 Jun 2023 20:49

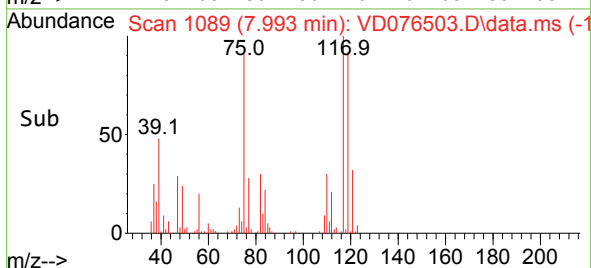
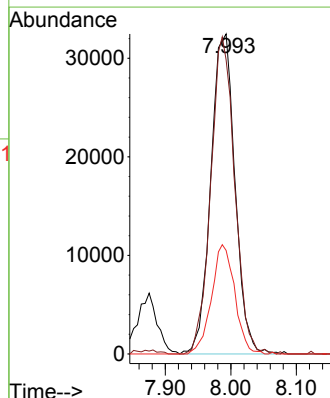
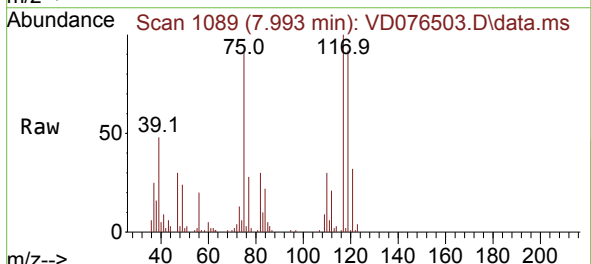
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

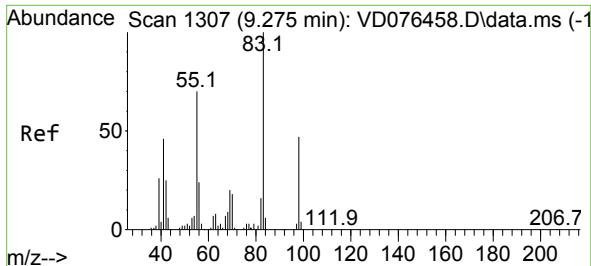
Tgt Ion: 43 Resp: 51358  
Ion Ratio Lower Upper  
43 100  
61 14.3 14.9 22.3#  
70 9.2 10.0 15.0#



#38  
Carbon Tetrachloride  
Concen: 48.915 ug/l  
RT: 7.993 min Scan# 1089  
Delta R.T. 0.006 min  
Lab File: VD076503.D  
Acq: 20 Jun 2023 20:49

Tgt Ion: 117 Resp: 83262  
Ion Ratio Lower Upper  
117 100  
119 91.9 78.0 117.0  
121 32.4 24.2 36.2

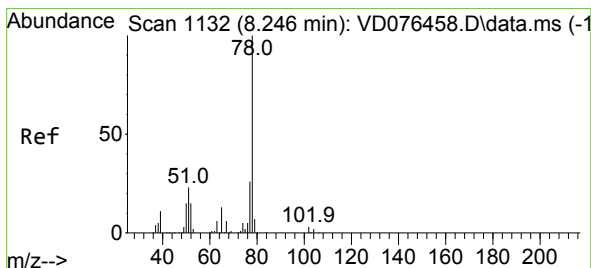
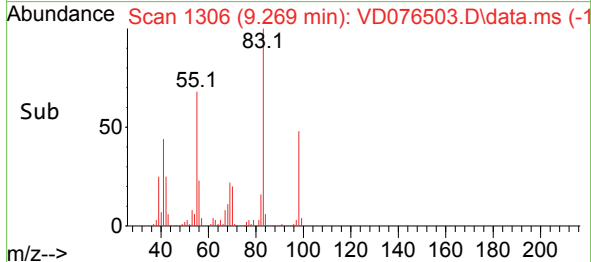
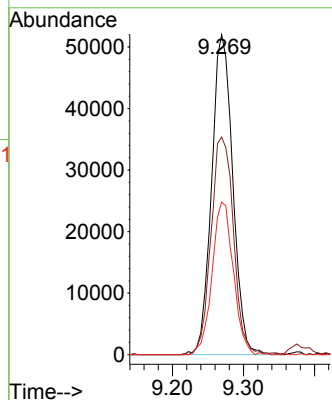
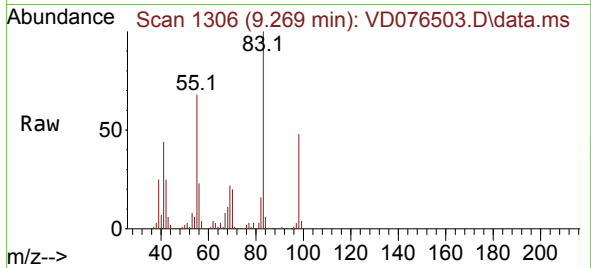




#39  
Methylcyclohexane  
Concen: 48.063 ug/l  
RT: 9.269 min Scan# 11306  
Delta R.T. -0.006 min  
Lab File: VD076503.D  
Acq: 20 Jun 2023 20:49

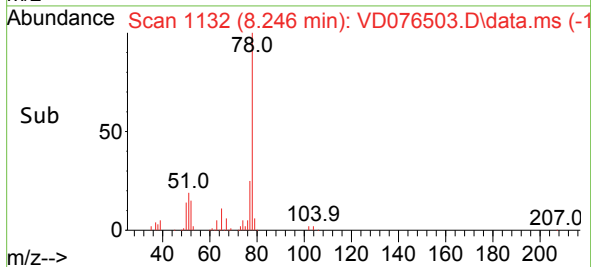
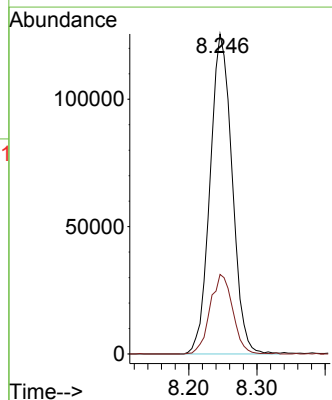
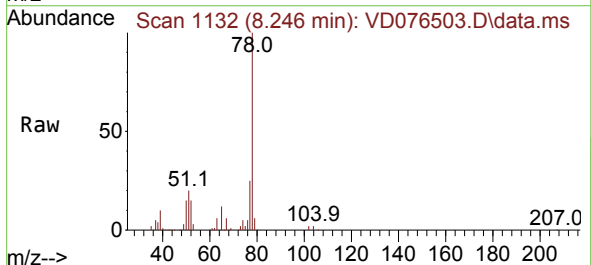
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

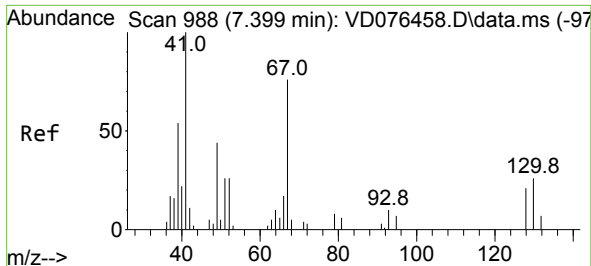
Tgt Ion: 83 Resp: 107415  
Ion Ratio Lower Upper  
83 100  
55 68.1 49.4 74.0  
98 47.7 38.4 57.6



#40  
Benzene  
Concen: 48.731 ug/l  
RT: 8.246 min Scan# 1132  
Delta R.T. 0.000 min  
Lab File: VD076503.D  
Acq: 20 Jun 2023 20:49

Tgt Ion: 78 Resp: 283010  
Ion Ratio Lower Upper  
78 100  
77 24.8 19.4 29.0

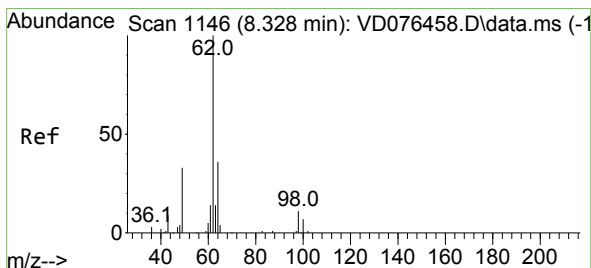
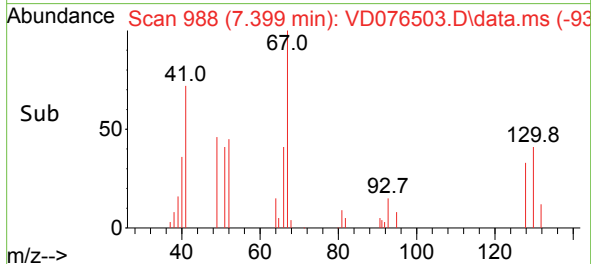
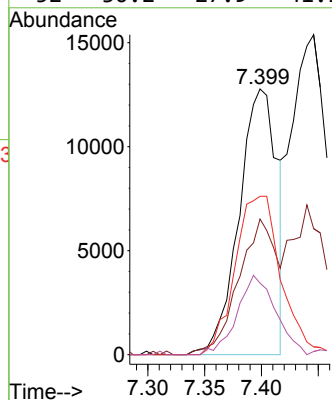
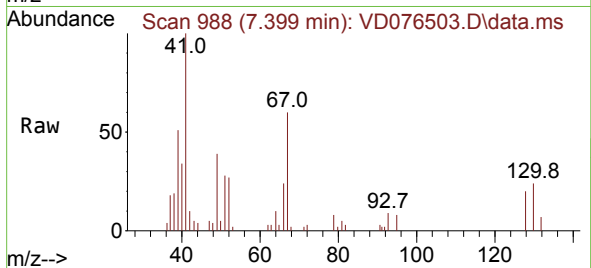




#41  
Methacrylonitrile  
Concen: 47.702 ug/l  
RT: 7.399 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VD076503.D  
Acq: 20 Jun 2023 20:49

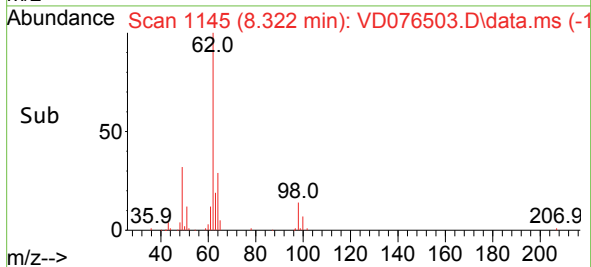
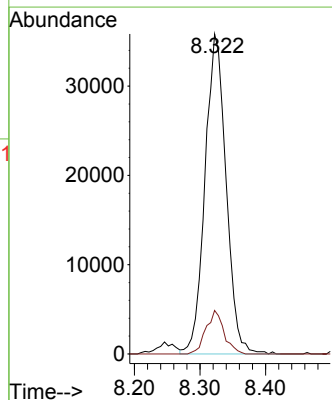
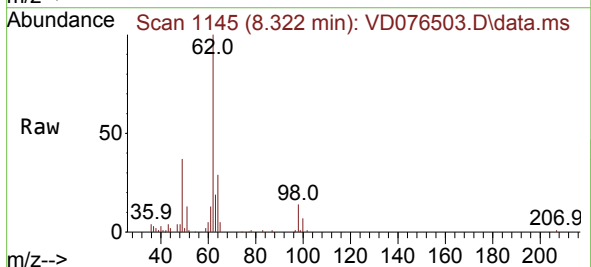
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

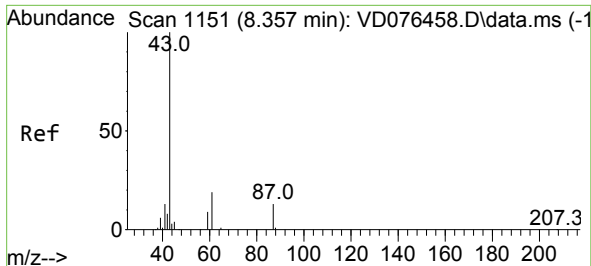
|             |             |
|-------------|-------------|
| Tgt Ion: 41 | Resp: 29726 |
| Ion Ratio   | Lower Upper |
| 41 100      |             |
| 39 51.0     | 34.0 51.0#  |
| 67 72.3     | 77.0 115.4# |
| 52 30.2     | 27.9 41.9   |



#42  
1,2-Dichloroethane  
Concen: 51.107 ug/l  
RT: 8.322 min Scan# 1145  
Delta R.T. -0.006 min  
Lab File: VD076503.D  
Acq: 20 Jun 2023 20:49

|             |             |
|-------------|-------------|
| Tgt Ion: 62 | Resp: 80200 |
| Ion Ratio   | Lower Upper |
| 62 100      |             |
| 98 11.6     | 0.0 25.4    |

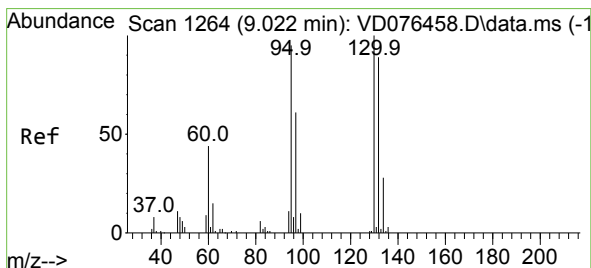
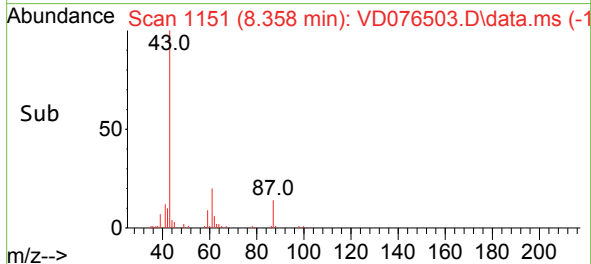
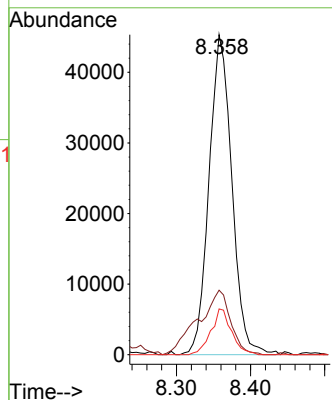
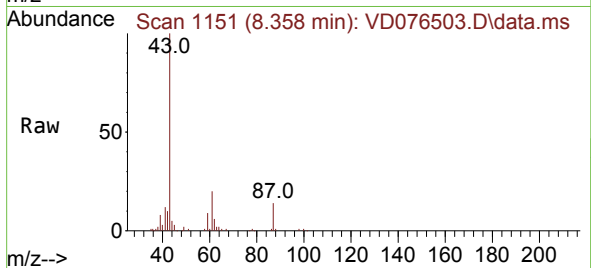




#43  
Isopropyl Acetate  
Concen: 46.431 ug/l  
RT: 8.358 min Scan# 1151  
Delta R.T. 0.000 min  
Lab File: VD076503.D  
Acq: 20 Jun 2023 20:49

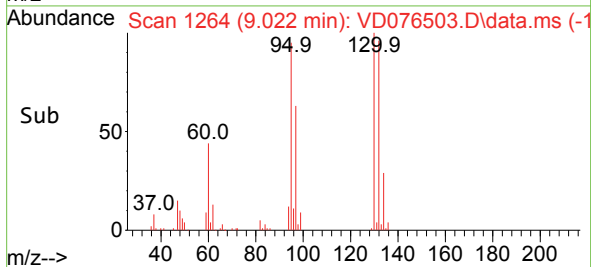
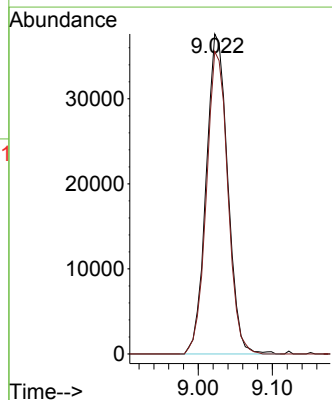
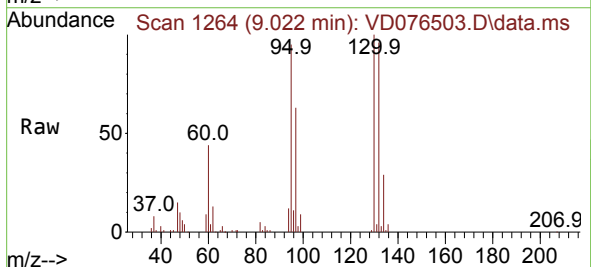
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

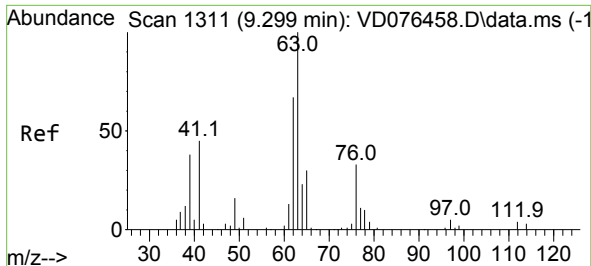
Tgt Ion: 43 Resp: 97006  
Ion Ratio Lower Upper  
43 100  
61 28.7 31.4 47.0#  
87 12.9 14.9 22.3#



#44  
Trichloroethene  
Concen: 48.545 ug/l  
RT: 9.022 min Scan# 1264  
Delta R.T. 0.000 min  
Lab File: VD076503.D  
Acq: 20 Jun 2023 20:49

Tgt Ion:130 Resp: 76053  
Ion Ratio Lower Upper  
130 100  
95 94.5 0.0 179.2





#45

1,2-Dichloropropane

Concen: 49.834 ug/l

RT: 9.305 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD076503.D

Acq: 20 Jun 2023 20:49

Instrument :

MSVOA\_D

ClientSampleId :

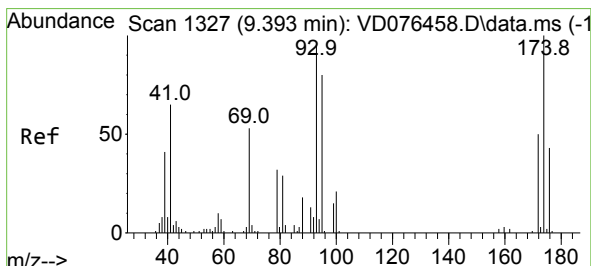
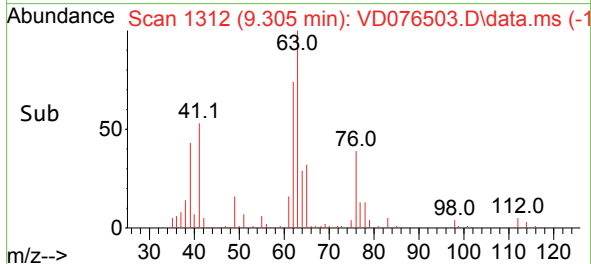
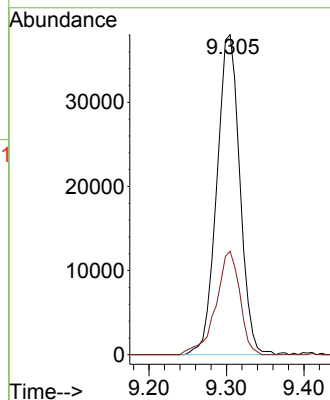
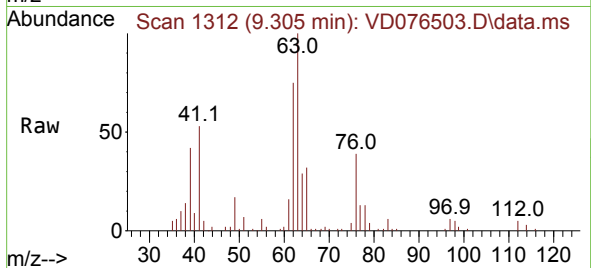
VSTDCCC050EC

Tgt Ion: 63 Resp: 78470

Ion Ratio Lower Upper

63 100

65 32.3 24.5 36.7



#46

Dibromomethane

Concen: 51.649 ug/l

RT: 9.393 min Scan# 1327

Delta R.T. 0.000 min

Lab File: VD076503.D

Acq: 20 Jun 2023 20:49

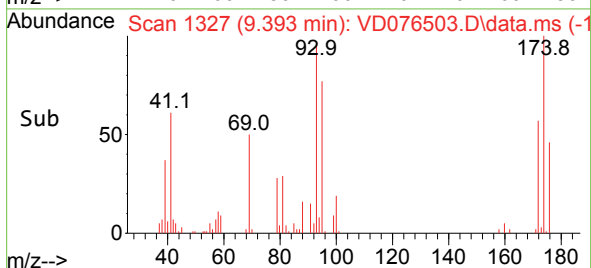
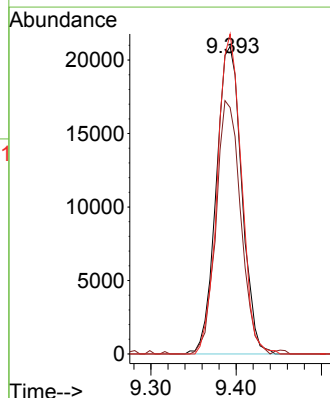
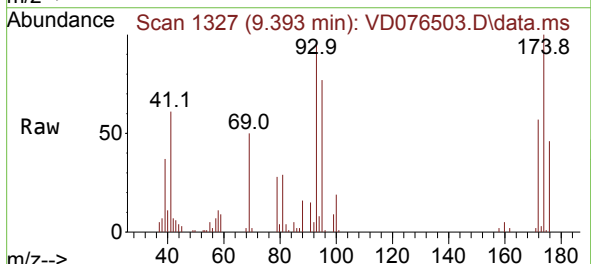
Tgt Ion: 93 Resp: 43568

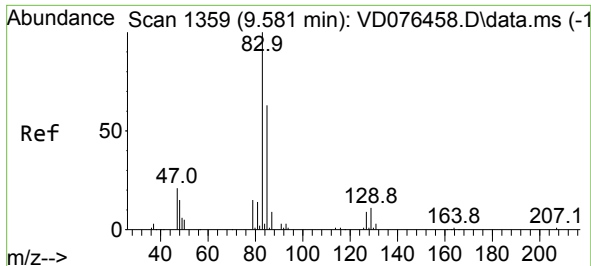
Ion Ratio Lower Upper

93 100

95 79.7 67.7 101.5

174 97.7 85.4 128.2

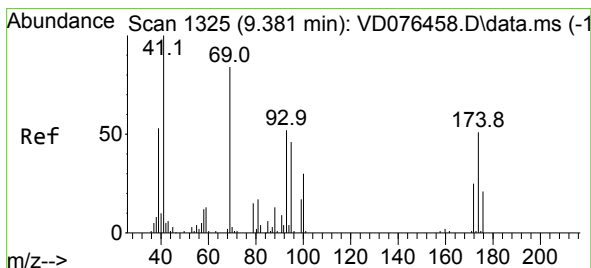
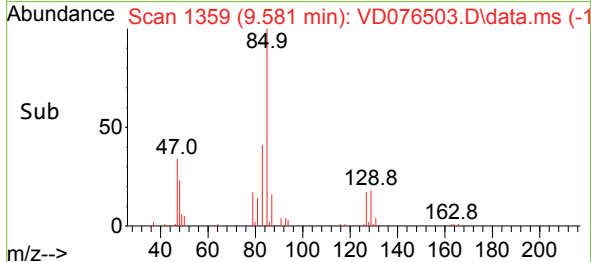
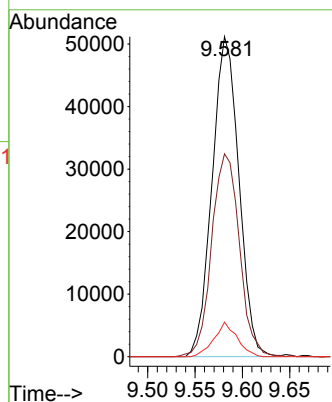
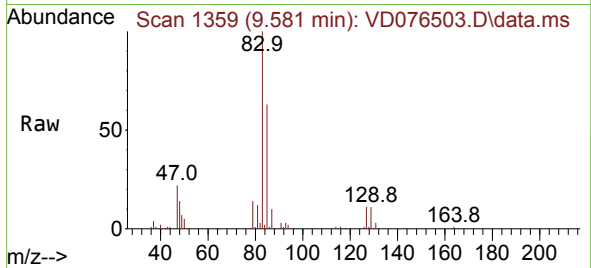




#47  
Bromodichloromethane  
Concen: 49.908 ug/l  
RT: 9.581 min Scan# 1359  
Delta R.T. 0.000 min  
Lab File: VD076503.D  
Acq: 20 Jun 2023 20:49

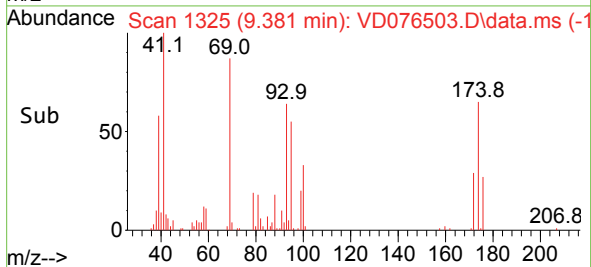
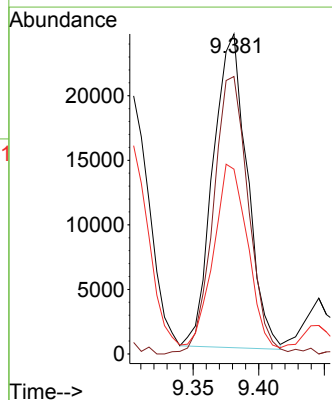
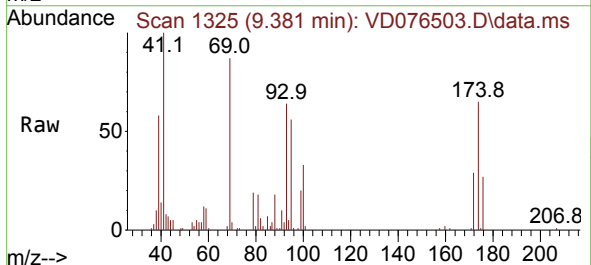
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

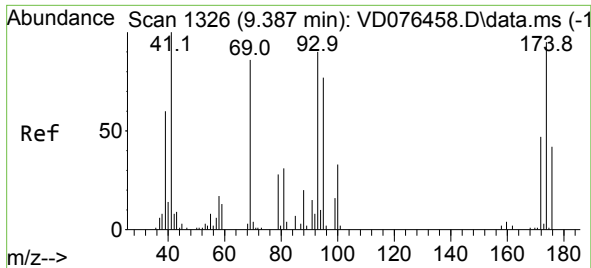
Tgt Ion: 83 Resp: 100744  
Ion Ratio Lower Upper  
83 100  
85 63.1 50.2 75.4  
127 10.8 6.3 9.5#



#48  
Methyl methacrylate  
Concen: 46.011 ug/l  
RT: 9.381 min Scan# 1325  
Delta R.T. 0.000 min  
Lab File: VD076503.D  
Acq: 20 Jun 2023 20:49

Tgt Ion: 41 Resp: 44059  
Ion Ratio Lower Upper  
41 100  
69 90.4 102.2 153.2#  
39 61.6 41.4 62.2





#49

1,4-Dioxane

Concen: 983.303 ug/l

RT: 9.387 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD076503.D

Acq: 20 Jun 2023 20:49

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

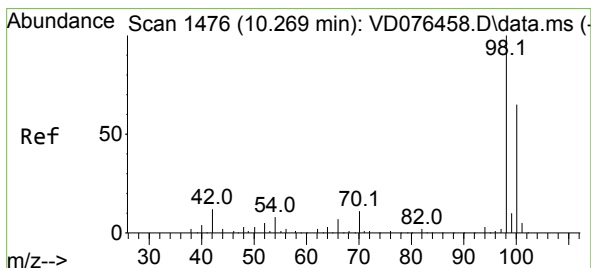
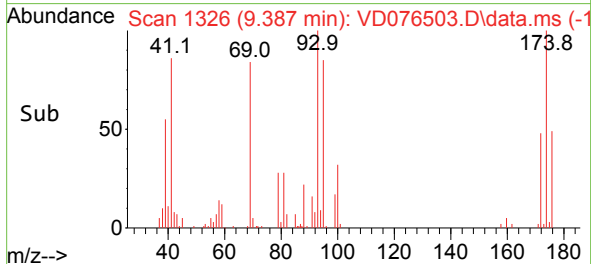
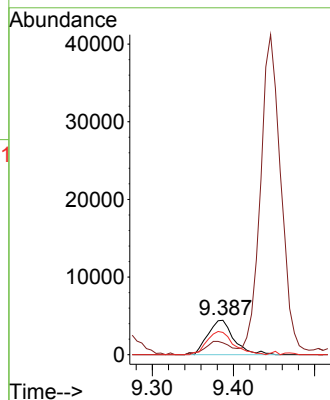
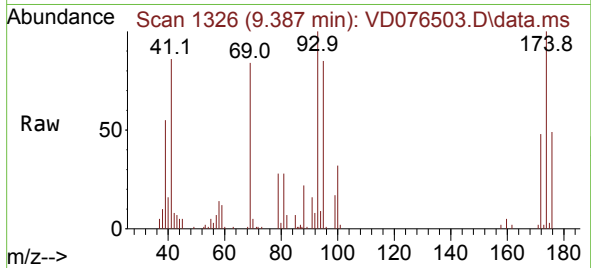
Tgt Ion: 88 Resp: 9938

Ion Ratio Lower Upper

88 100

43 38.0 19.0 28.6#

58 67.7 43.5 65.3#



#50

Toluene-d8

Concen: 49.412 ug/l

RT: 10.263 min Scan# 1475

Delta R.T. -0.006 min

Lab File: VD076503.D

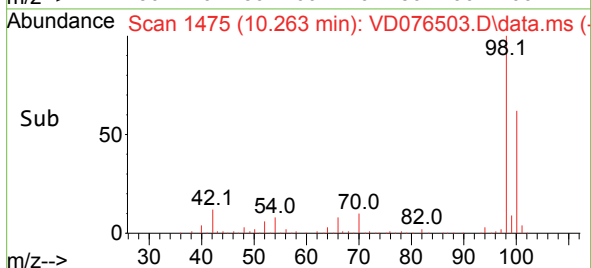
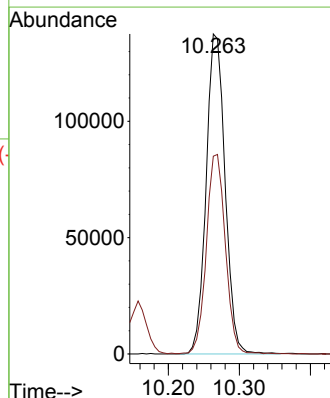
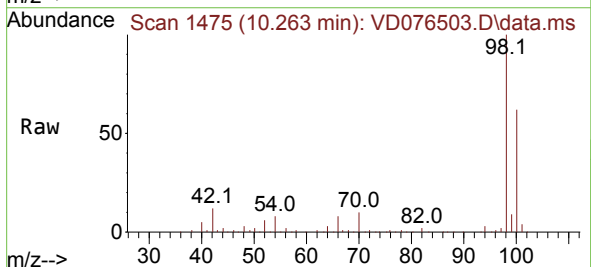
Acq: 20 Jun 2023 20:49

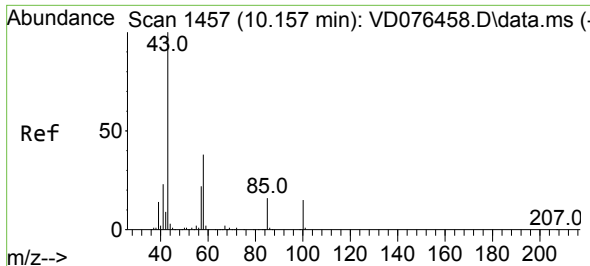
Tgt Ion: 98 Resp: 254844

Ion Ratio Lower Upper

98 100

100 62.8 50.3 75.5

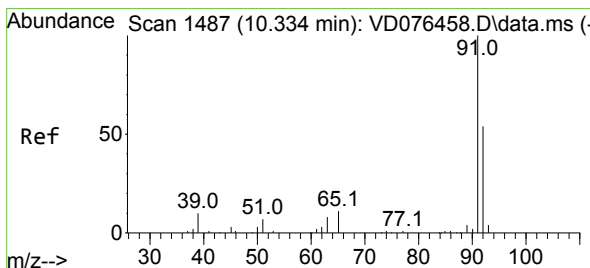
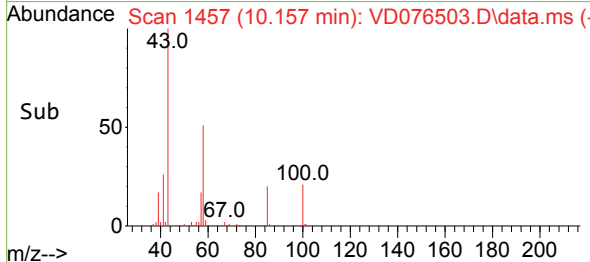
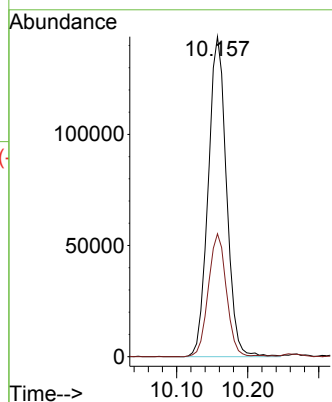
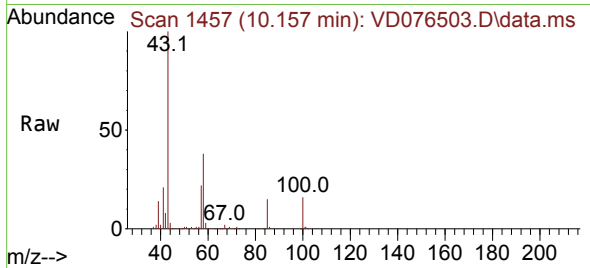




#51  
4-Methyl-2-Pentanone  
Concen: 240.916 ug/l  
RT: 10.157 min Scan# 1457  
Delta R.T. 0.000 min  
Lab File: VD076503.D  
Acq: 20 Jun 2023 20:49

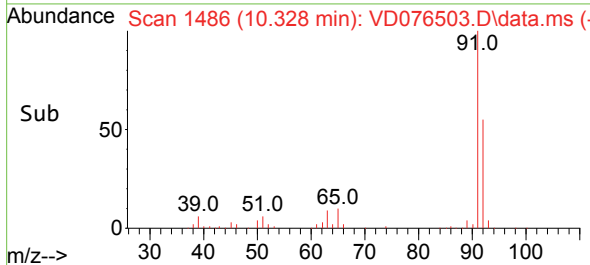
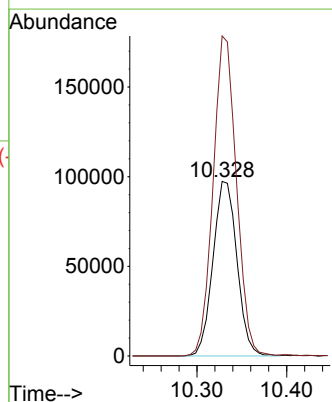
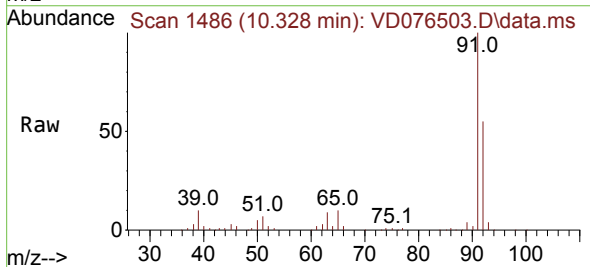
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

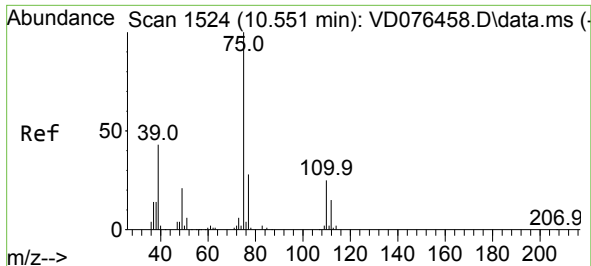
Tgt Ion: 43 Resp: 257291  
Ion Ratio Lower Upper  
43 100  
58 38.0 38.9 58.3#



#52  
Toluene  
Concen: 49.579 ug/l  
RT: 10.328 min Scan# 1486  
Delta R.T. -0.006 min  
Lab File: VD076503.D  
Acq: 20 Jun 2023 20:49

Tgt Ion: 92 Resp: 180686  
Ion Ratio Lower Upper  
92 100  
91 178.3 143.0 214.4

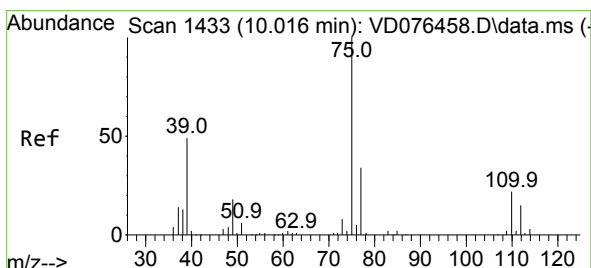
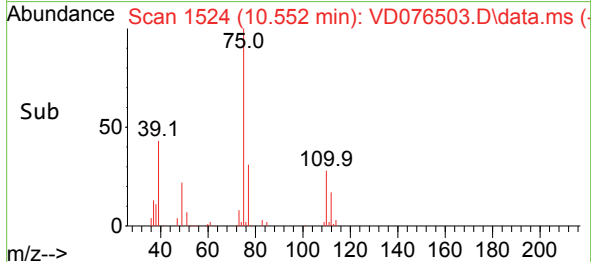
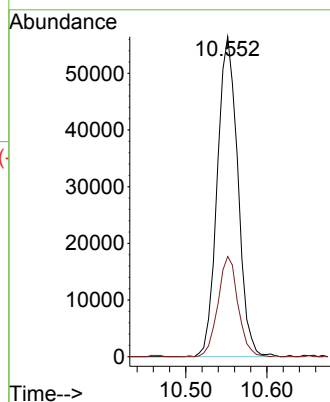
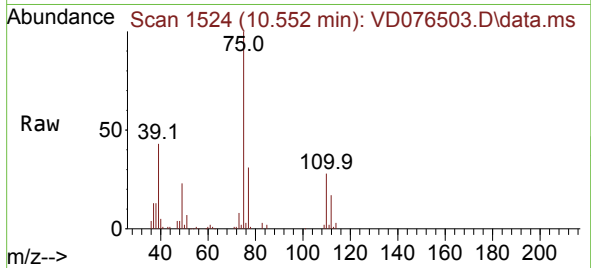




#53  
 t-1,3-Dichloropropene  
 Concen: 48.449 ug/l  
 RT: 10.552 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: VD076503.D  
 Acq: 20 Jun 2023 20:49

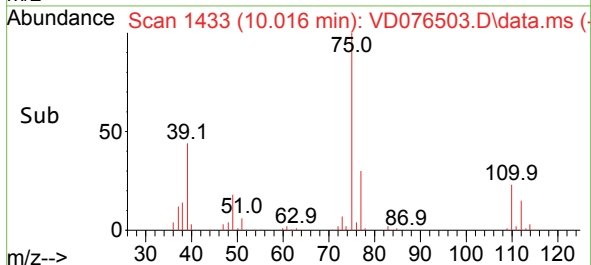
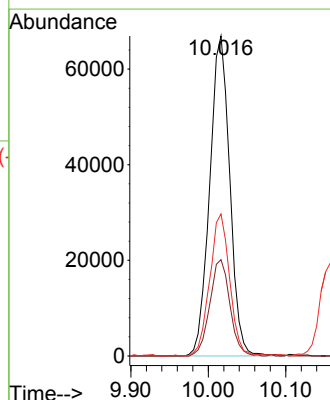
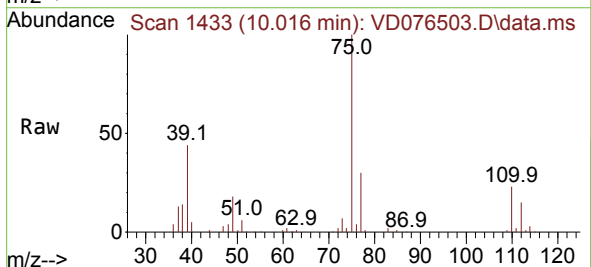
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

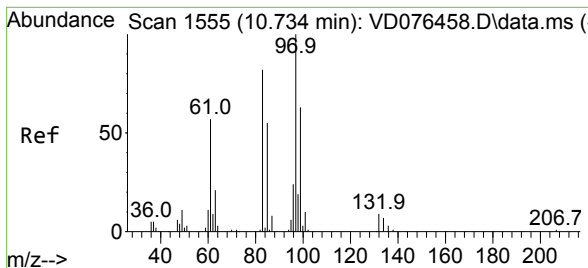
Tgt Ion: 75 Resp: 99240  
 Ion Ratio Lower Upper  
 75 100  
 77 31.3 25.3 37.9



#54  
 cis-1,3-Dichloropropene  
 Concen: 49.649 ug/l  
 RT: 10.016 min Scan# 1433  
 Delta R.T. 0.000 min  
 Lab File: VD076503.D  
 Acq: 20 Jun 2023 20:49

Tgt Ion: 75 Resp: 120572  
 Ion Ratio Lower Upper  
 75 100  
 77 30.1 25.5 38.3  
 39 44.4 22.1 33.1#

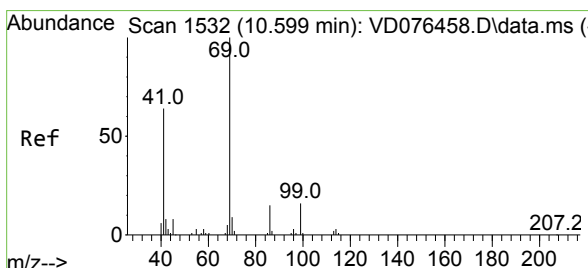
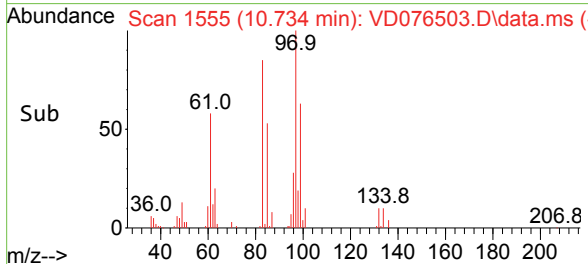
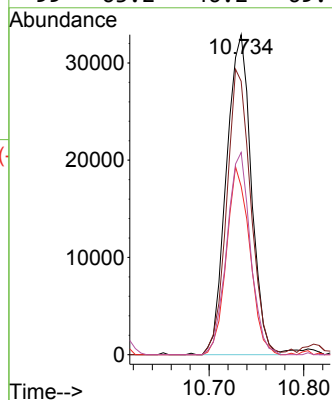
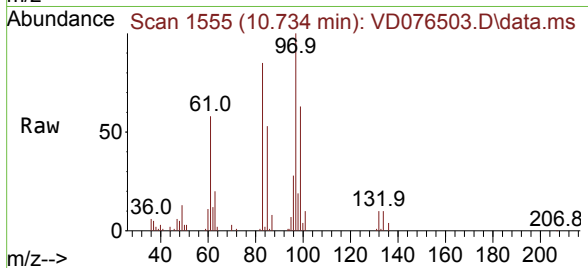




#55  
1,1,2-Trichloroethane  
Concen: 50.845 ug/l  
RT: 10.734 min Scan# 1555  
Delta R.T. 0.000 min  
Lab File: VD076503.D  
Acq: 20 Jun 2023 20:49

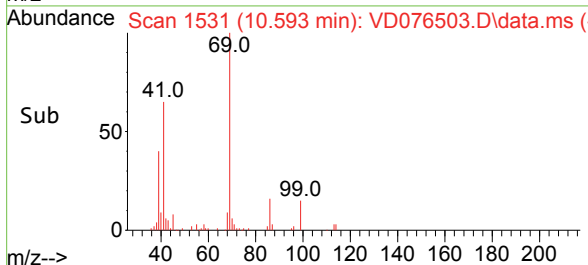
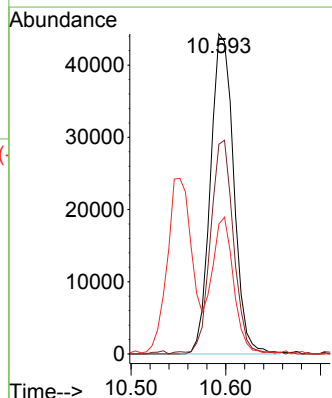
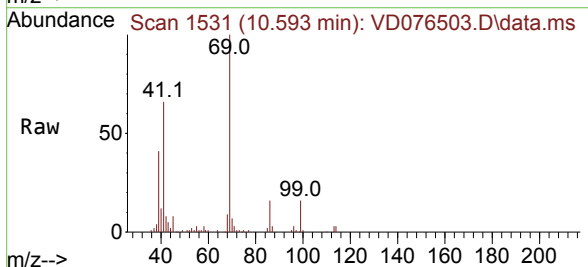
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

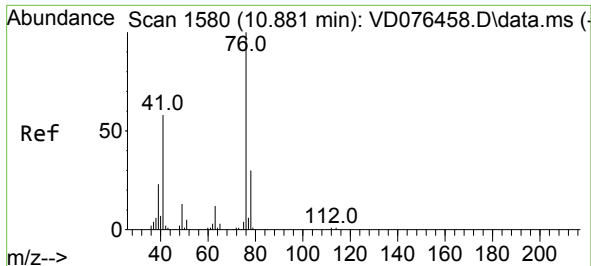
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 59993 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 85.4  | 65.8  | 98.6  |
| 85       | 52.6  | 45.7  | 68.5  |
| 99       | 63.2  | 46.2  | 69.4  |



#56  
Ethyl methacrylate  
Concen: 49.069 ug/l  
RT: 10.593 min Scan# 1531  
Delta R.T. -0.006 min  
Lab File: VD076503.D  
Acq: 20 Jun 2023 20:49

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 75598 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 66.5  | 39.1  | 58.7# |
| 39       | 39.4  | 20.0  | 30.0# |





#57

1,3-Dichloropropane

Concen: 49.893 ug/l

RT: 10.875 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD076503.D

Acq: 20 Jun 2023 20:49

Instrument :

MSVOA\_D

ClientSampleId :

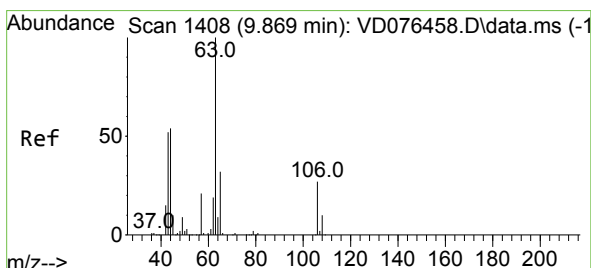
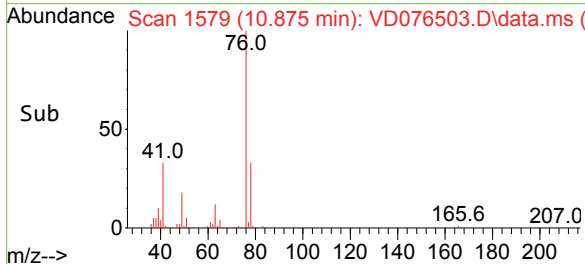
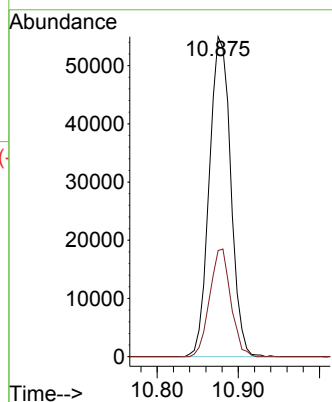
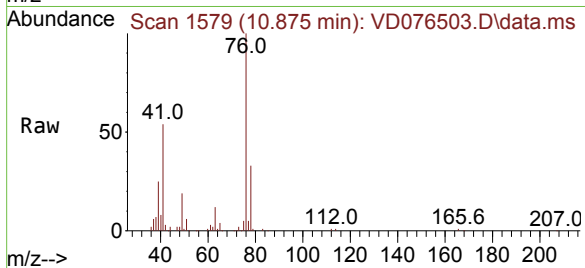
VSTDCCC050EC

Tgt Ion: 76 Resp: 100792

Ion Ratio Lower Upper

76 100

78 33.1 26.4 39.6



#58

2-Chloroethyl Vinyl ether

Concen: 227.667 ug/l

RT: 9.863 min Scan# 1407

Delta R.T. -0.006 min

Lab File: VD076503.D

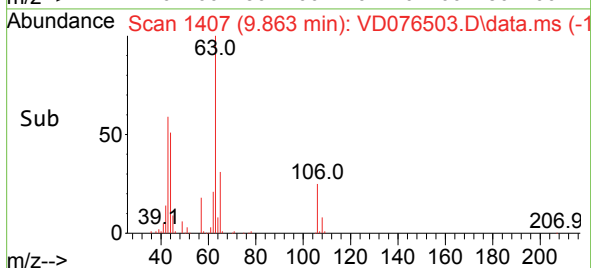
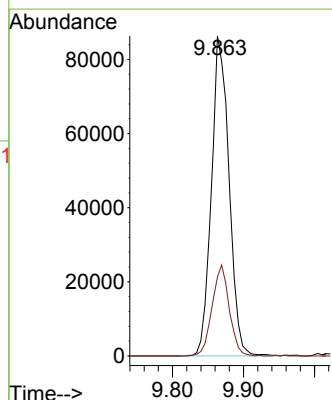
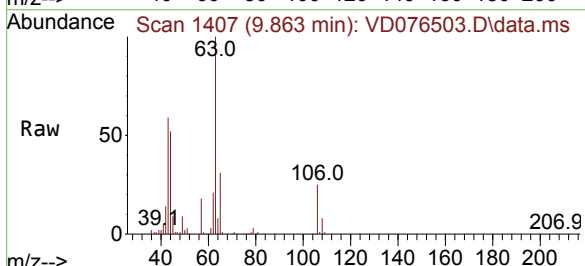
Acq: 20 Jun 2023 20:49

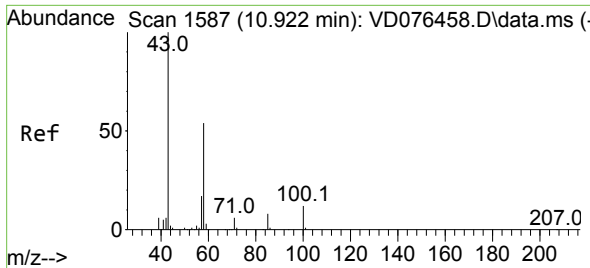
Tgt Ion: 63 Resp: 148705

Ion Ratio Lower Upper

63 100

106 27.6 25.3 37.9

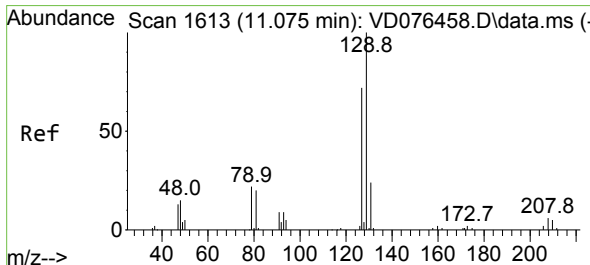
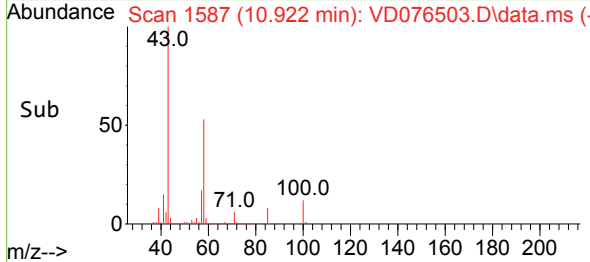
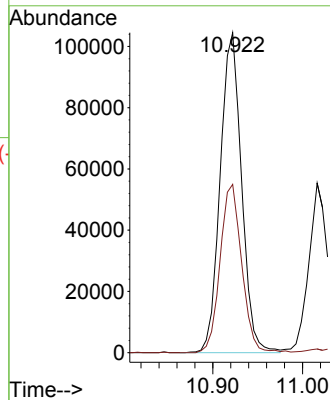
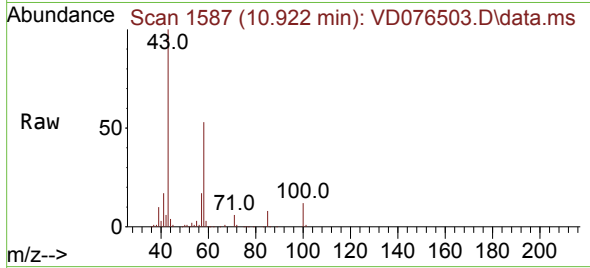




#59  
2-Hexanone  
Concen: 232.429 ug/l  
RT: 10.922 min Scan# 1587  
Delta R.T. 0.000 min  
Lab File: VD076503.D  
Acq: 20 Jun 2023 20:49

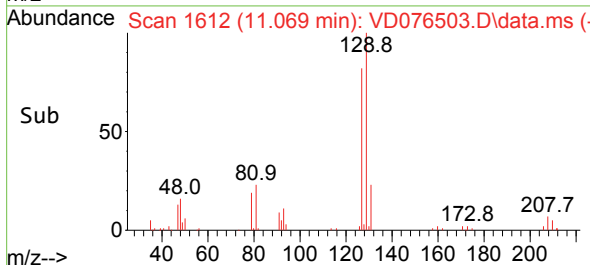
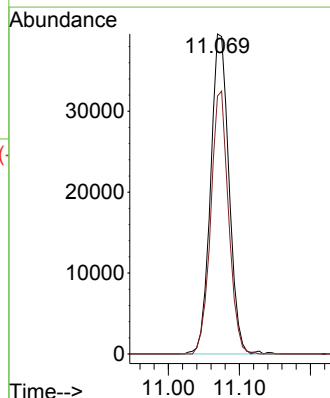
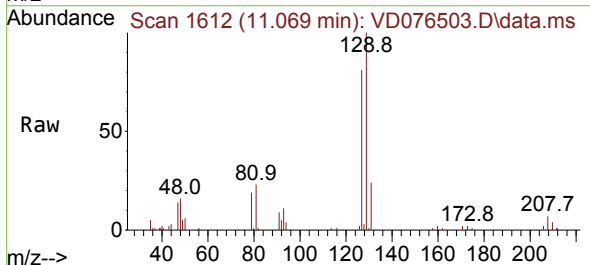
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

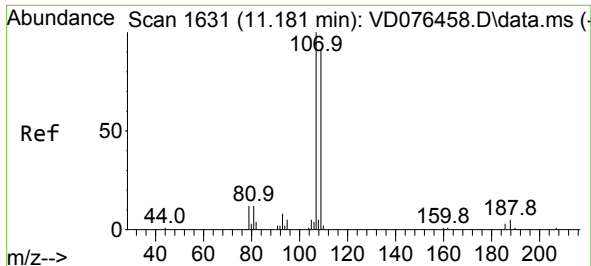
Tgt Ion: 43 Resp: 172668  
Ion Ratio Lower Upper  
43 100  
58 53.2 34.1 102.2



#60  
Dibromochloromethane  
Concen: 51.792 ug/l  
RT: 11.069 min Scan# 1612  
Delta R.T. -0.006 min  
Lab File: VD076503.D  
Acq: 20 Jun 2023 20:49

Tgt Ion: 129 Resp: 71119  
Ion Ratio Lower Upper  
129 100  
127 79.2 37.1 111.5

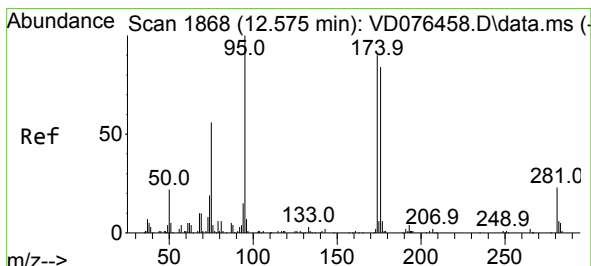
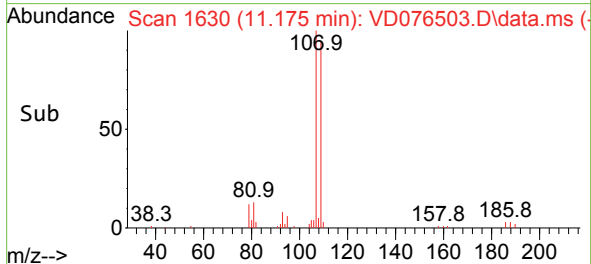
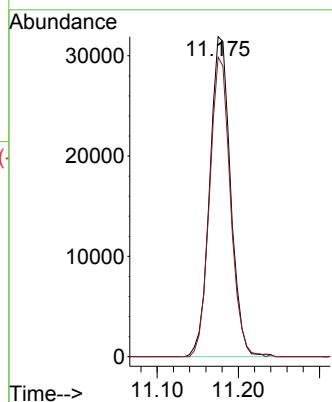
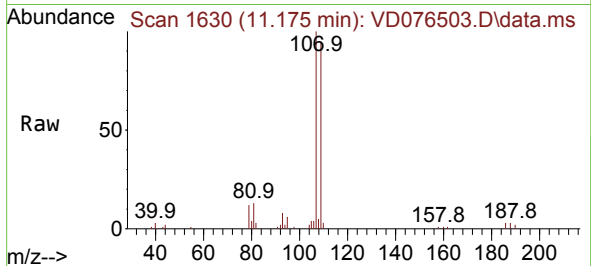




#61  
1,2-Dibromoethane  
Concen: 51.314 ug/l  
RT: 11.175 min Scan# 1630  
Delta R.T. -0.006 min  
Lab File: VD076503.D  
Acq: 20 Jun 2023 20:49

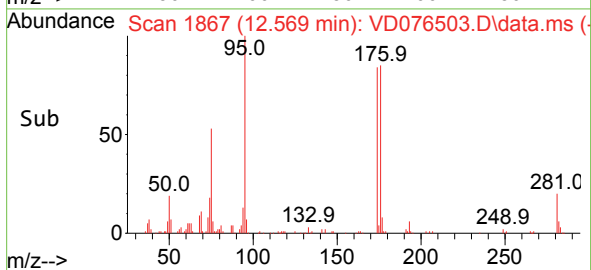
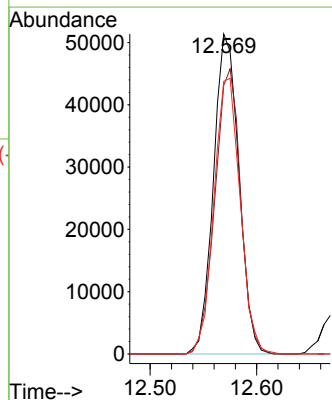
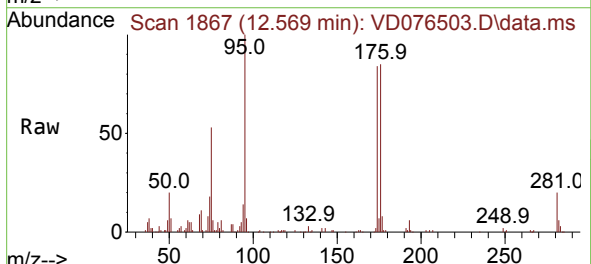
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

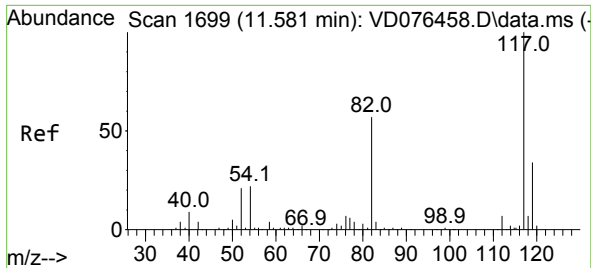
Tgt Ion:107 Resp: 56838  
Ion Ratio Lower Upper  
107 100  
109 93.2 75.6 113.4



#62  
4-Bromofluorobenzene  
Concen: 50.716 ug/l  
RT: 12.569 min Scan# 1867  
Delta R.T. -0.006 min  
Lab File: VD076503.D  
Acq: 20 Jun 2023 20:49

Tgt Ion: 95 Resp: 84890  
Ion Ratio Lower Upper  
95 100  
174 90.2 0.0 201.8  
176 88.9 0.0 191.8

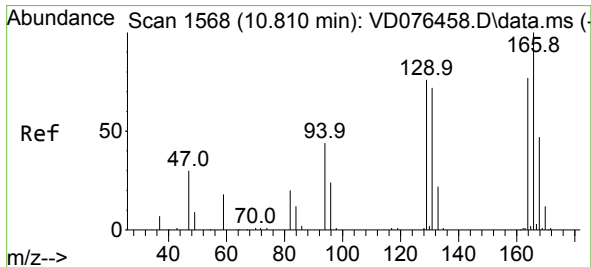
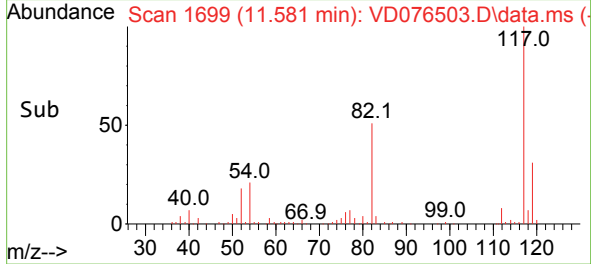
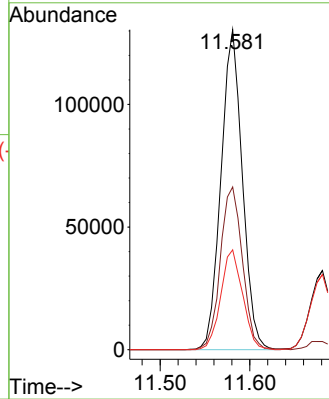
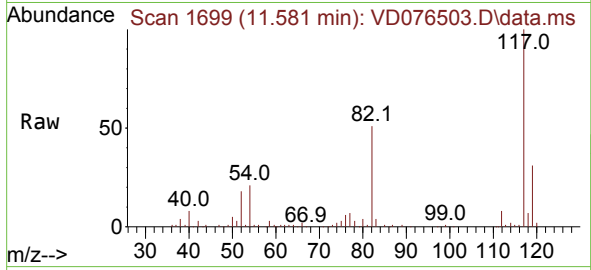




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VD076503.D  
Acq: 20 Jun 2023 20:49

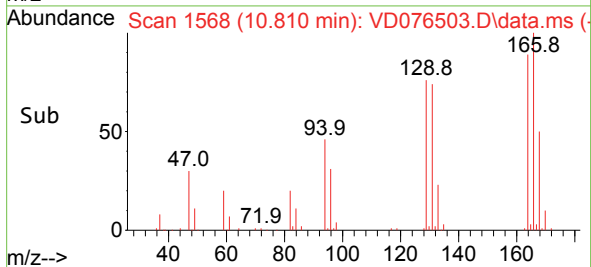
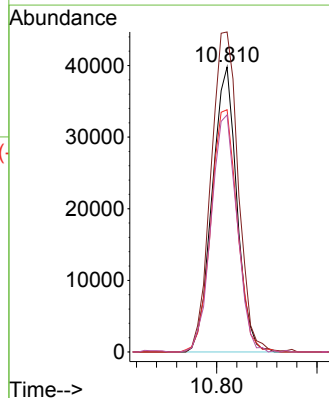
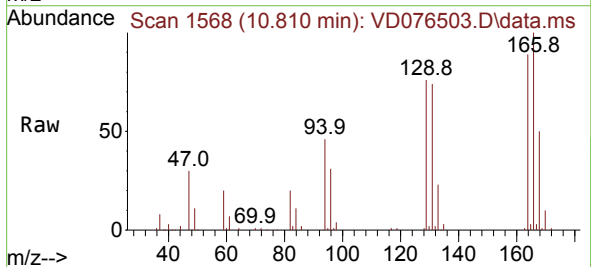
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

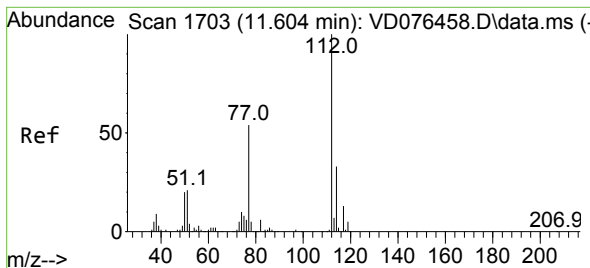
Tgt Ion:117 Resp: 215656  
Ion Ratio Lower Upper  
117 100  
82 50.9 38.3 57.5  
119 31.2 25.0 37.4



#64  
Tetrachloroethene  
Concen: 52.403 ug/l  
RT: 10.810 min Scan# 1568  
Delta R.T. 0.000 min  
Lab File: VD076503.D  
Acq: 20 Jun 2023 20:49

Tgt Ion:164 Resp: 67835  
Ion Ratio Lower Upper  
164 100  
166 112.3 99.2 148.8  
129 85.0 68.4 102.6  
131 83.2 63.8 95.8

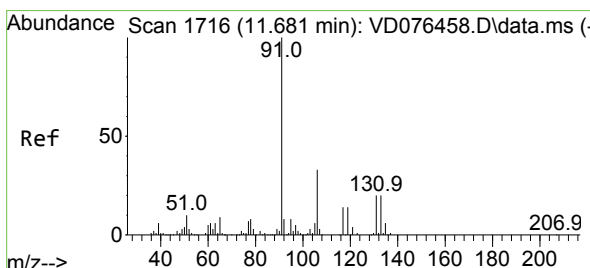
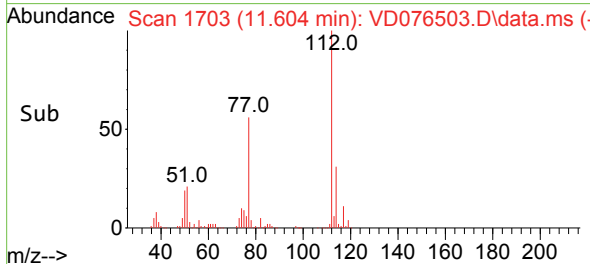
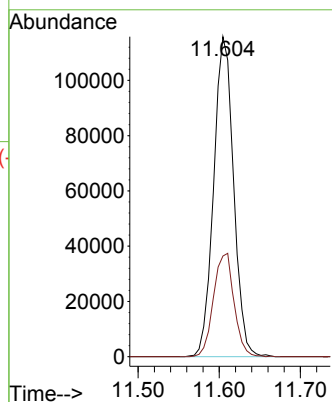
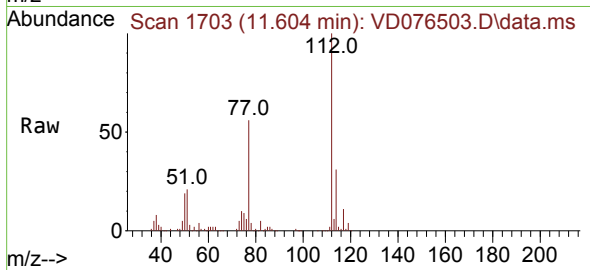




#65  
Chlorobenzene  
Concen: 48.266 ug/l  
RT: 11.604 min Scan# 1703  
Delta R.T. 0.000 min  
Lab File: VD076503.D  
Acq: 20 Jun 2023 20:49

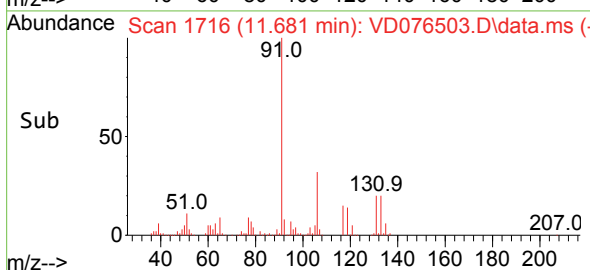
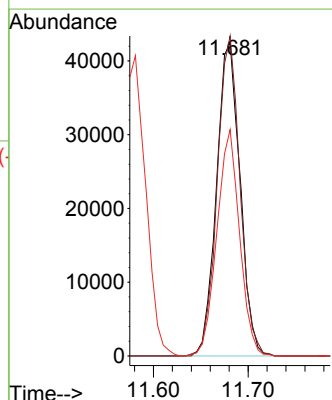
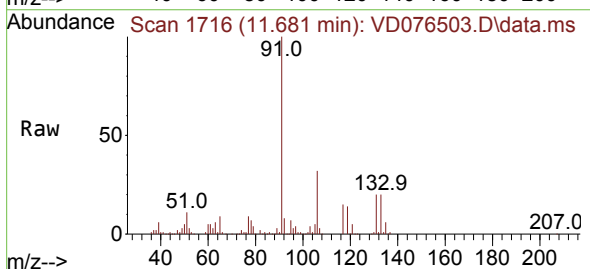
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

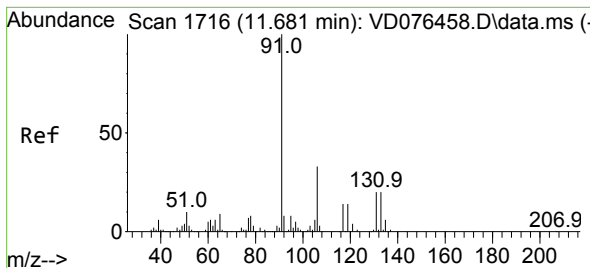
Tgt Ion:112 Resp: 197749  
Ion Ratio Lower Upper  
112 100  
114 31.5 25.1 37.7



#66  
1,1,1,2-Tetrachloroethane  
Concen: 50.142 ug/l  
RT: 11.681 min Scan# 1716  
Delta R.T. 0.000 min  
Lab File: VD076503.D  
Acq: 20 Jun 2023 20:49

Tgt Ion:131 Resp: 73469  
Ion Ratio Lower Upper  
131 100  
133 98.2 48.5 145.5  
119 69.7 35.6 106.9

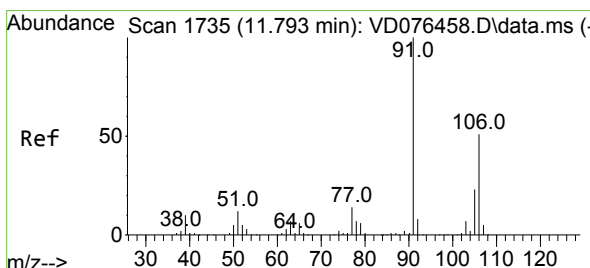
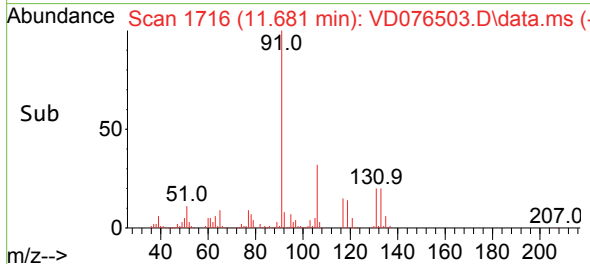
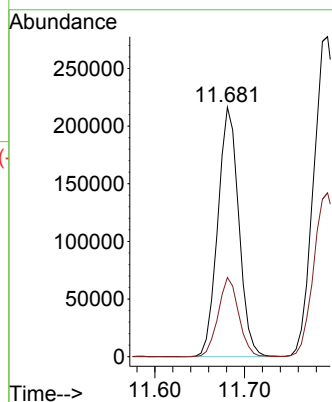
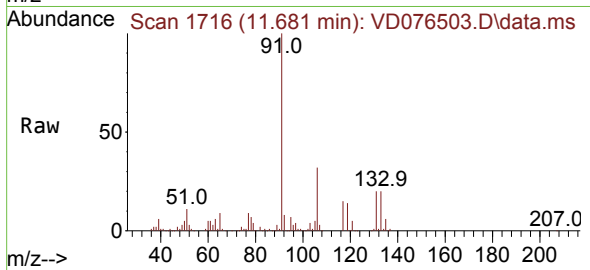




#67  
Ethyl Benzene  
Concen: 48.373 ug/l  
RT: 11.681 min Scan# 1716  
Delta R.T. 0.000 min  
Lab File: VD076503.D  
Acq: 20 Jun 2023 20:49

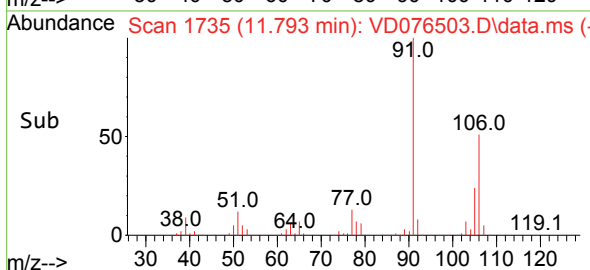
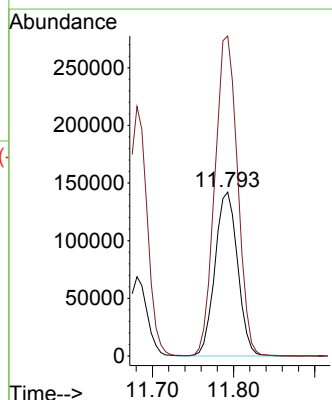
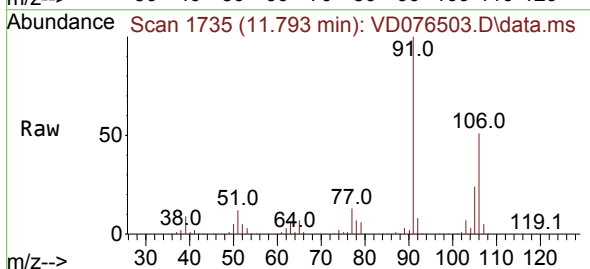
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

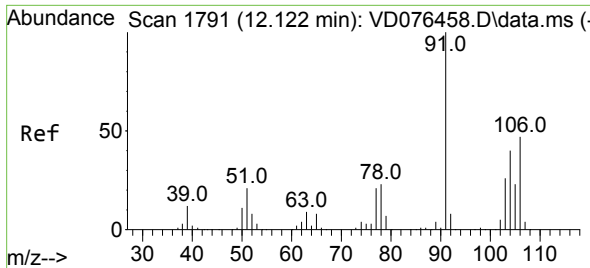
Tgt Ion: 91 Resp: 351170  
Ion Ratio Lower Upper  
91 100  
106 31.8 26.5 39.7



#68  
m/p-Xylenes  
Concen: 97.228 ug/l  
RT: 11.793 min Scan# 1735  
Delta R.T. 0.000 min  
Lab File: VD076503.D  
Acq: 20 Jun 2023 20:49

Tgt Ion: 106 Resp: 275530  
Ion Ratio Lower Upper  
106 100  
91 196.2 147.0 220.6

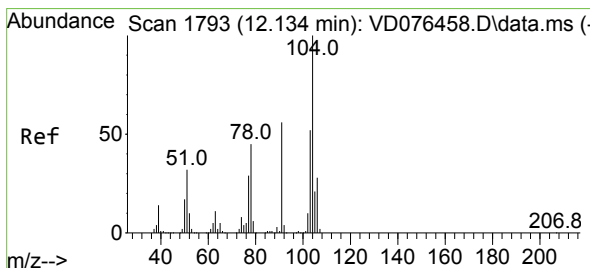
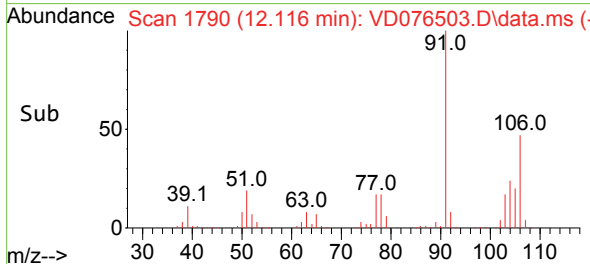
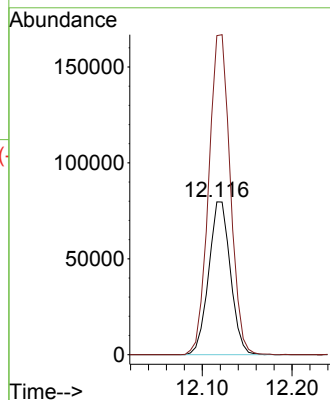
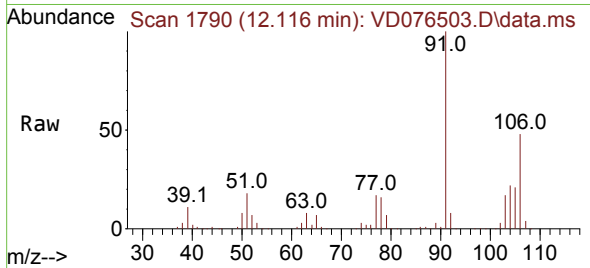




#69  
o-Xylene  
Concen: 49.588 ug/l  
RT: 12.116 min Scan# 1791  
Delta R.T. -0.006 min  
Lab File: VD076503.D  
Acq: 20 Jun 2023 20:49

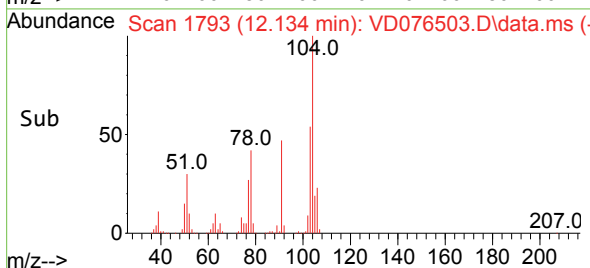
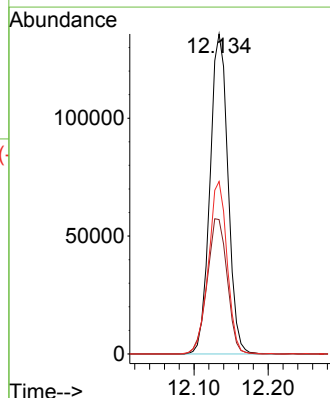
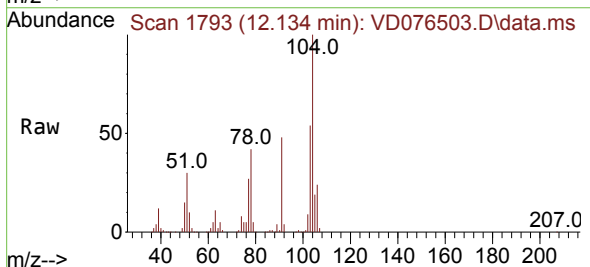
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

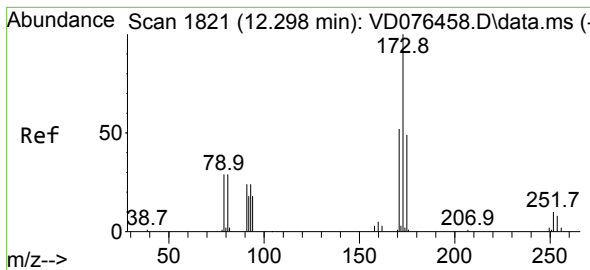
Tgt Ion:106 Resp: 133769  
Ion Ratio Lower Upper  
106 100  
91 207.9 97.9 293.6



#70  
Styrene  
Concen: 49.149 ug/l  
RT: 12.134 min Scan# 1793  
Delta R.T. 0.000 min  
Lab File: VD076503.D  
Acq: 20 Jun 2023 20:49

Tgt Ion:104 Resp: 229028  
Ion Ratio Lower Upper  
104 100  
78 47.0 33.2 49.8  
103 55.9 43.6 65.4





#71

Bromoform

Concen: 51.528 ug/l

RT: 12.299 min Scan# 1821

Delta R.T. 0.000 min

Lab File: VD076503.D

Acq: 20 Jun 2023 20:49

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

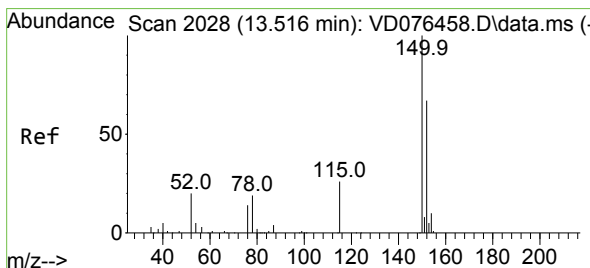
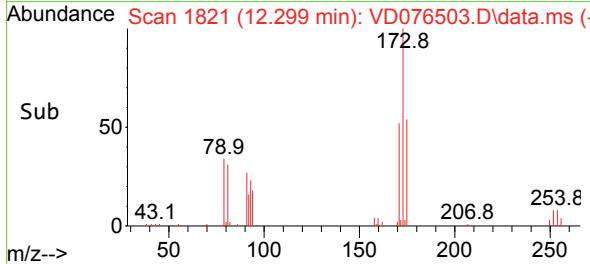
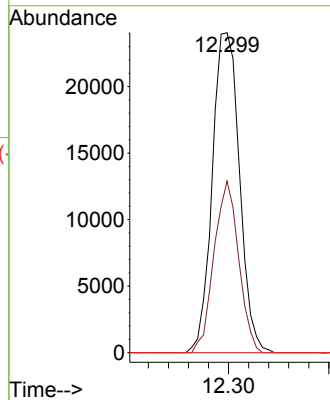
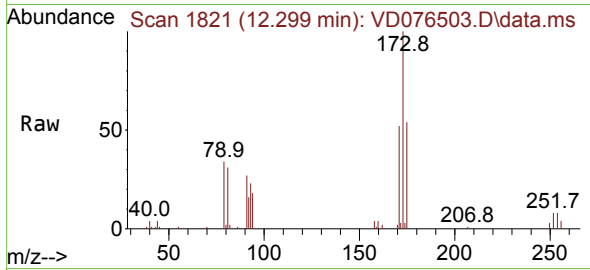
Tgt Ion:173 Resp: 45332

Ion Ratio Lower Upper

173 100

175 48.5 24.6 73.8

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. 0.000 min

Lab File: VD076503.D

Acq: 20 Jun 2023 20:49

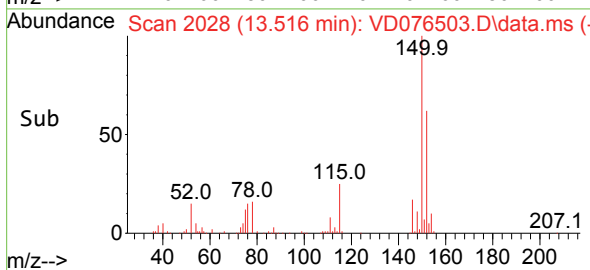
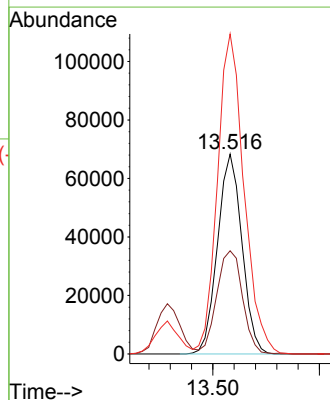
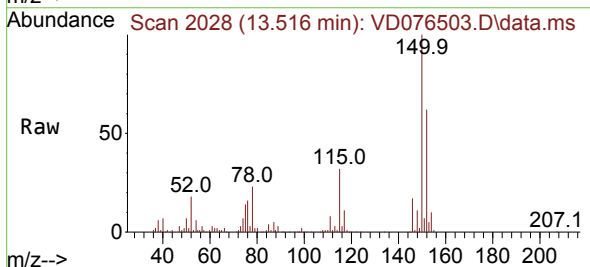
Tgt Ion:152 Resp: 108627

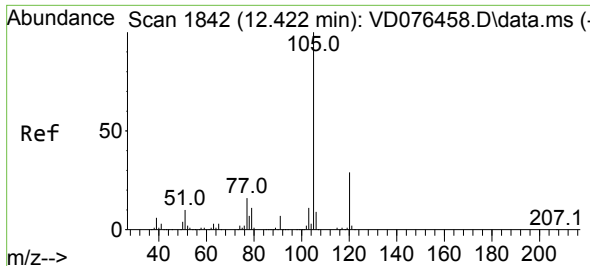
Ion Ratio Lower Upper

152 100

115 54.5 27.1 81.3

150 174.2 0.0 353.6

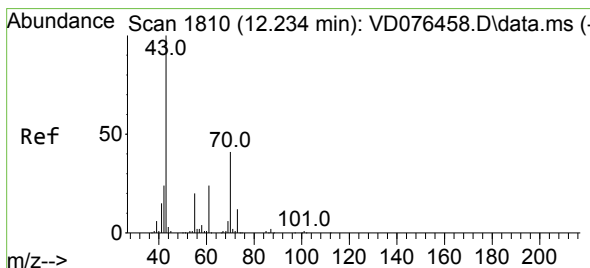
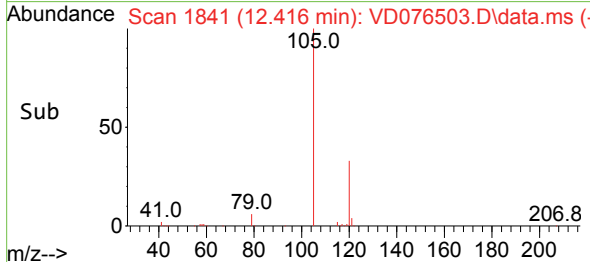
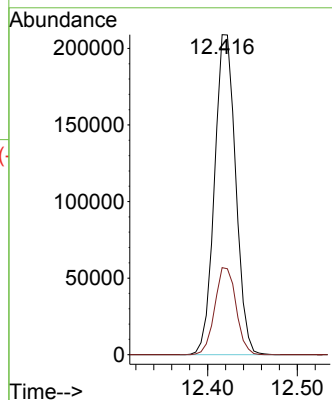
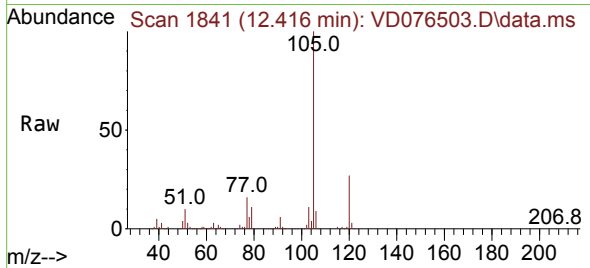




#73  
Isopropylbenzene  
Concen: 46.765 ug/l  
RT: 12.416 min Scan# 1841  
Delta R.T. -0.006 min  
Lab File: VD076503.D  
Acq: 20 Jun 2023 20:49

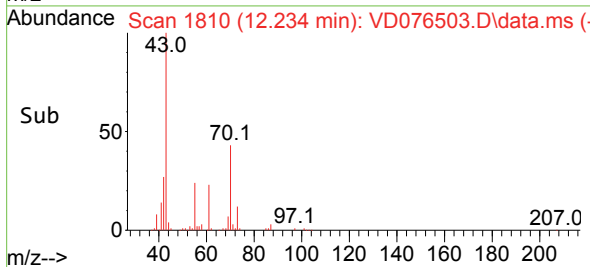
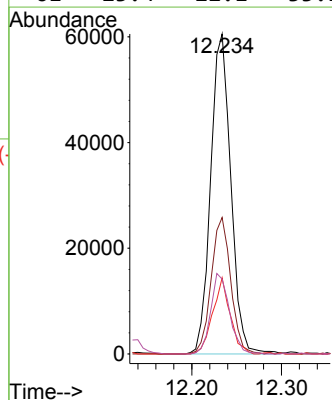
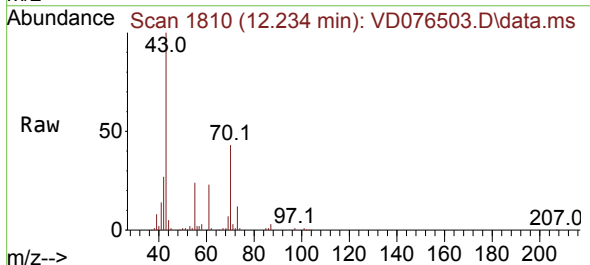
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

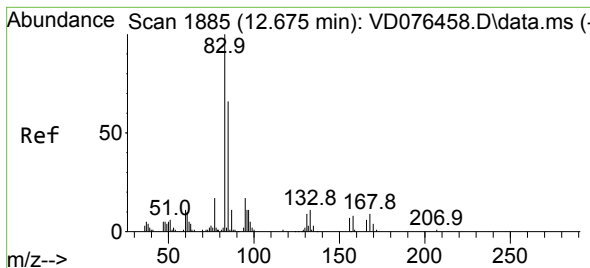
Tgt Ion:105 Resp: 342018  
Ion Ratio Lower Upper  
105 100  
120 27.4 14.3 42.9



#74  
N-ethyl acetate  
Concen: 44.168 ug/l  
RT: 12.234 min Scan# 1810  
Delta R.T. 0.000 min  
Lab File: VD076503.D  
Acq: 20 Jun 2023 20:49

Tgt Ion: 43 Resp: 94567  
Ion Ratio Lower Upper  
43 100  
70 41.4 45.0 67.4#  
55 20.7 23.8 35.6#  
61 23.4 22.1 33.1





#75

1,1,2,2-Tetrachloroethane

Concen: 48.094 ug/l

RT: 12.669 min Scan# 1884

Delta R.T. -0.006 min

Lab File: VD076503.D

Acq: 20 Jun 2023 20:49

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

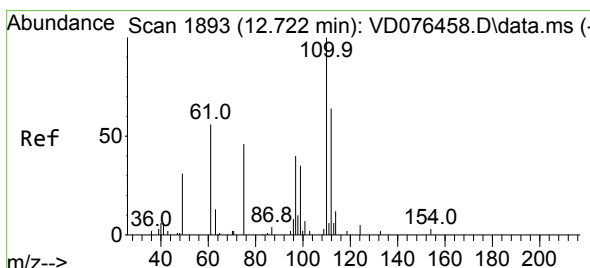
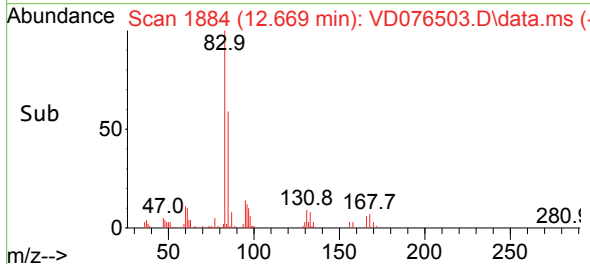
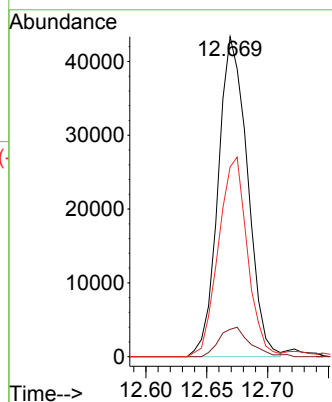
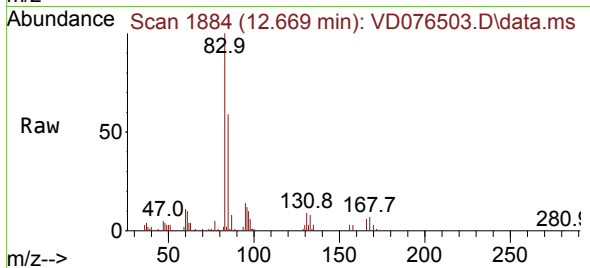
Tgt Ion: 83 Resp: 72582

Ion Ratio Lower Upper

83 100

131 9.7 5.1 15.3

85 61.6 32.6 97.8



#76

1,2,3-Trichloropropane

Concen: 79.568 ug/l

RT: 12.722 min Scan# 1893

Delta R.T. 0.000 min

Lab File: VD076503.D

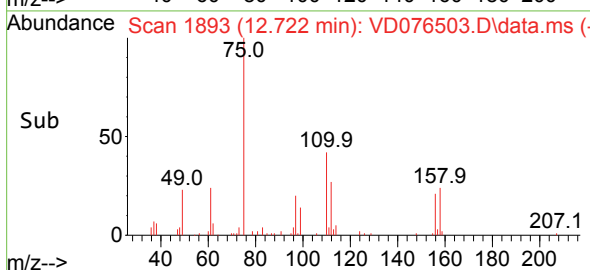
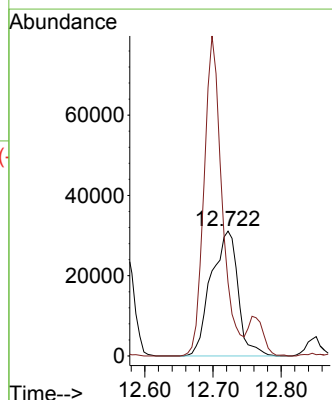
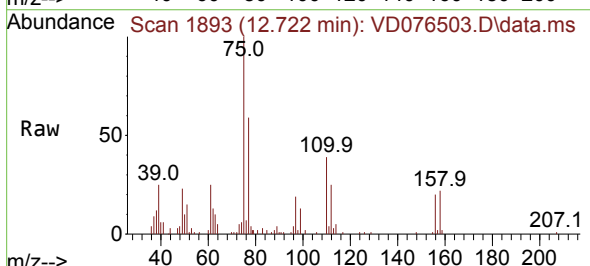
Acq: 20 Jun 2023 20:49

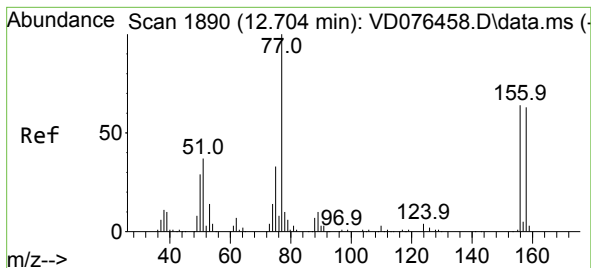
Tgt Ion: 75 Resp: 85782

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 47.968 ug/l

RT: 12.698 min Scan# 1889

Delta R.T. -0.006 min

Lab File: VD076503.D

Acq: 20 Jun 2023 20:49

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

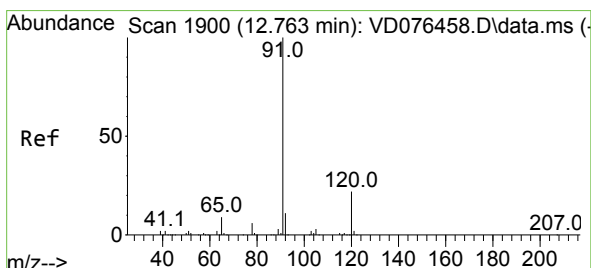
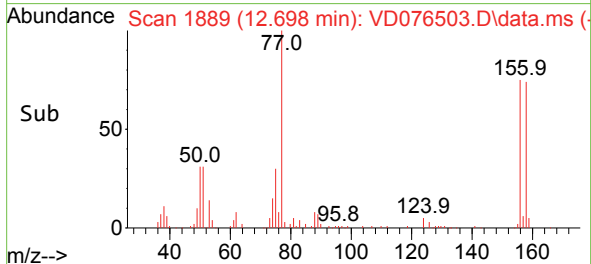
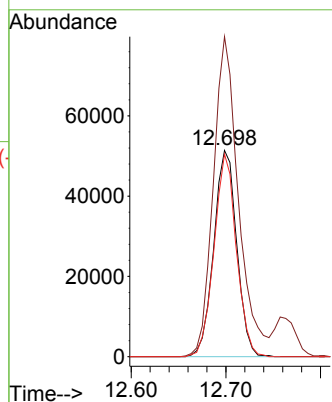
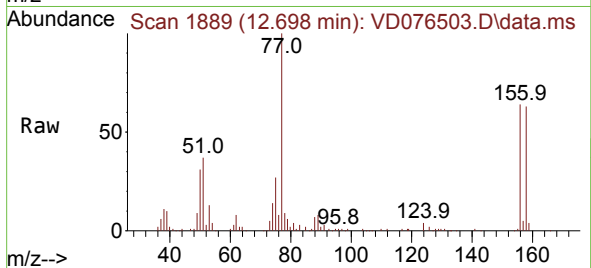
Tgt Ion:156 Resp: 86550

Ion Ratio Lower Upper

156 100

77 170.4 76.8 230.4

158 95.8 48.6 145.9



#78

n-propylbenzene

Concen: 46.729 ug/l

RT: 12.763 min Scan# 1900

Delta R.T. 0.000 min

Lab File: VD076503.D

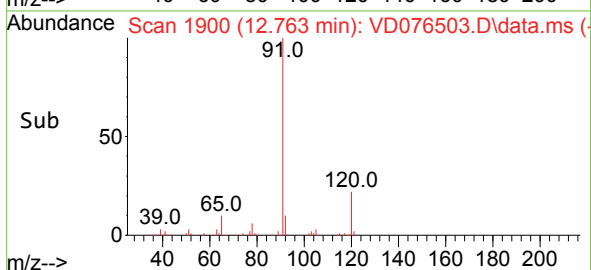
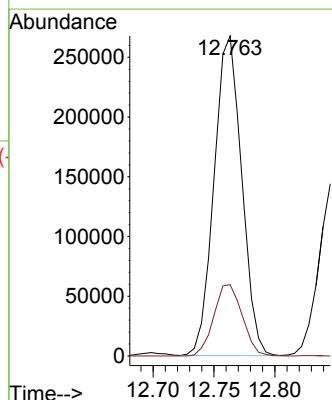
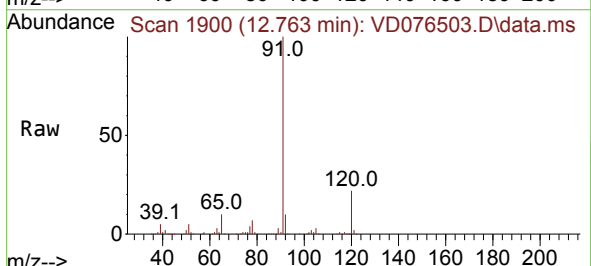
Acq: 20 Jun 2023 20:49

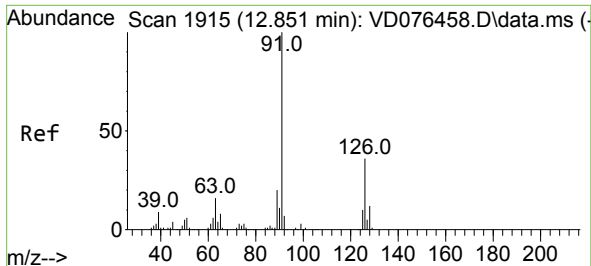
Tgt Ion: 91 Resp: 421984

Ion Ratio Lower Upper

91 100

120 23.0 12.4 37.2

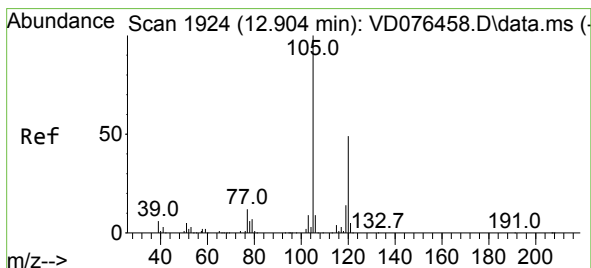
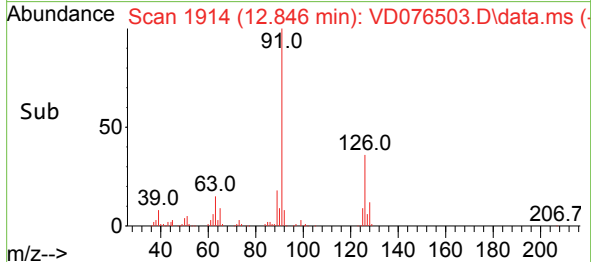
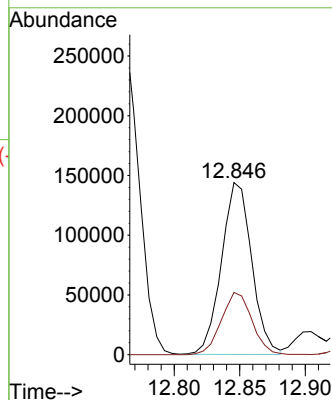
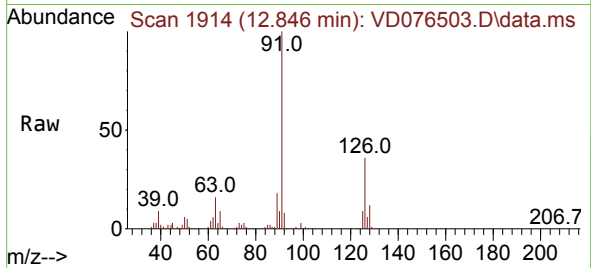




#79  
2-Chlorotoluene  
Concen: 46.643 ug/l  
RT: 12.846 min Scan# 1914  
Delta R.T. -0.006 min  
Lab File: VD076503.D  
Acq: 20 Jun 2023 20:49

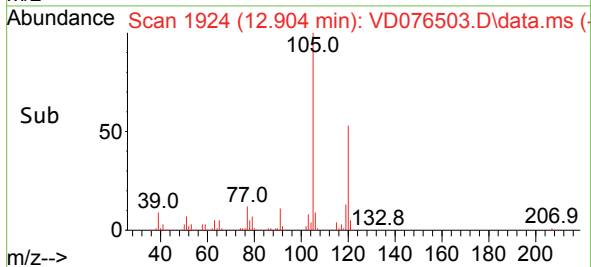
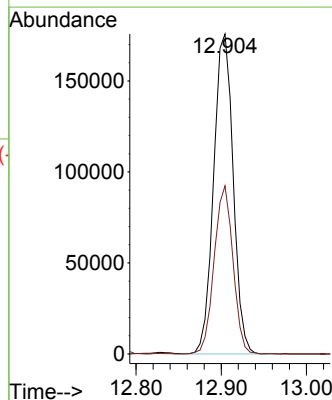
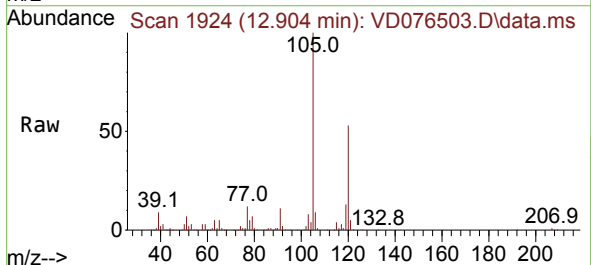
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

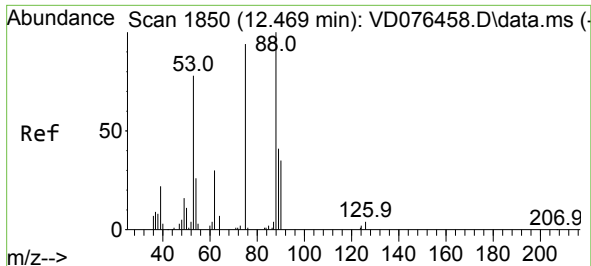
Tgt Ion: 91 Resp: 231297  
Ion Ratio Lower Upper  
91 100  
126 36.7 19.4 58.1



#80  
1,3,5-Trimethylbenzene  
Concen: 46.888 ug/l  
RT: 12.904 min Scan# 1924  
Delta R.T. 0.000 min  
Lab File: VD076503.D  
Acq: 20 Jun 2023 20:49

Tgt Ion:105 Resp: 280047  
Ion Ratio Lower Upper  
105 100  
120 50.6 26.4 79.2

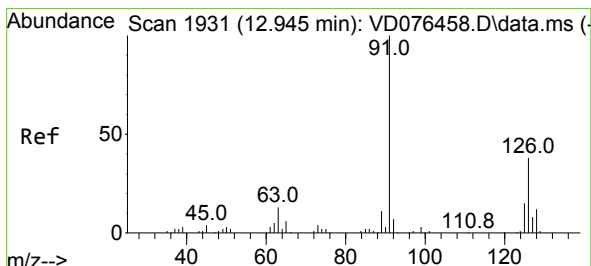
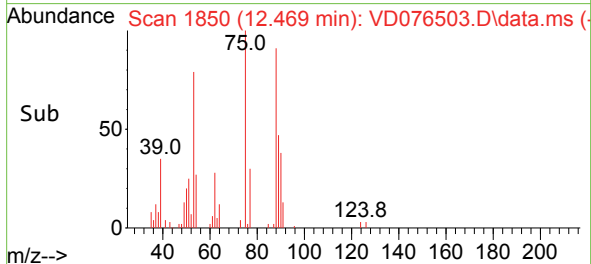
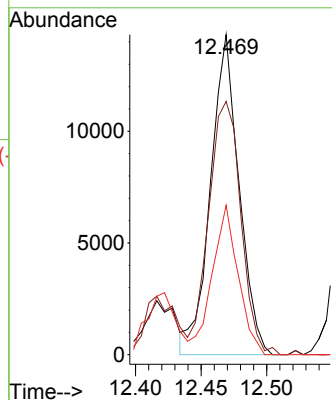
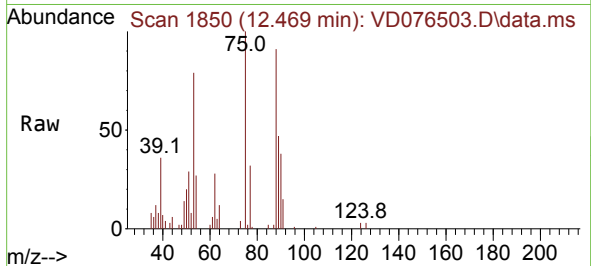




#81  
trans-1,4-Dichloro-2-butene  
Concen: 44.034 ug/l  
RT: 12.469 min Scan# 1850  
Delta R.T. 0.000 min  
Lab File: VD076503.D  
Acq: 20 Jun 2023 20:49

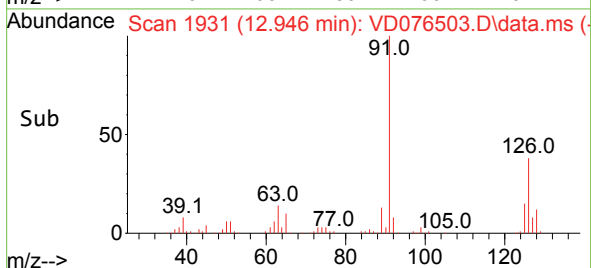
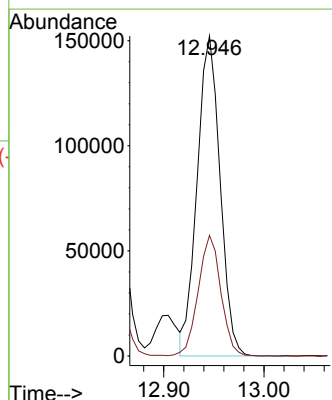
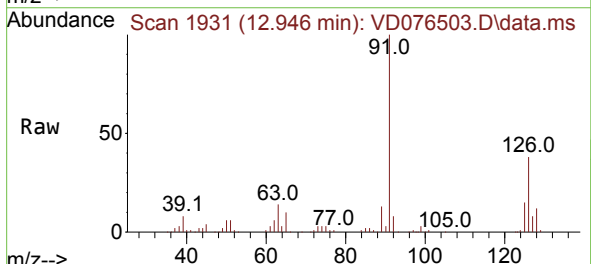
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

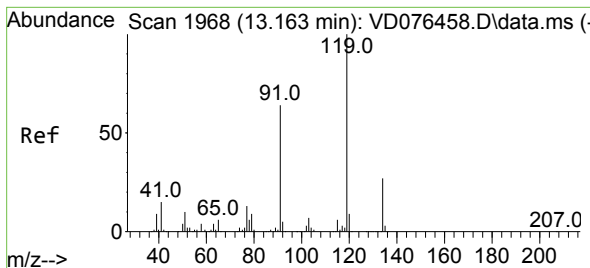
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 21665 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 88.8  | 63.0  | 94.4  |
| 89       | 42.8  | 37.9  | 56.9  |



#82  
4-Chlorotoluene  
Concen: 46.982 ug/l  
RT: 12.946 min Scan# 1931  
Delta R.T. 0.000 min  
Lab File: VD076503.D  
Acq: 20 Jun 2023 20:49

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 241953 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 126      | 37.2  | 19.4  | 58.4   |





#83

tert-Butylbenzene

Concen: 47.384 ug/l

RT: 13.163 min Scan# 1968

Delta R.T. 0.000 min

Lab File: VD076503.D

Acq: 20 Jun 2023 20:49

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

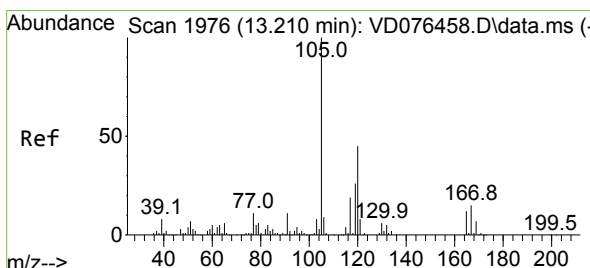
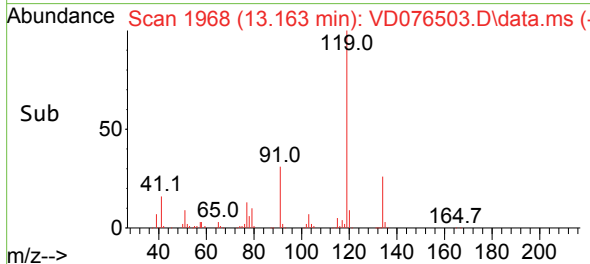
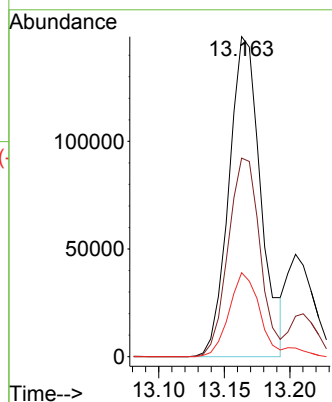
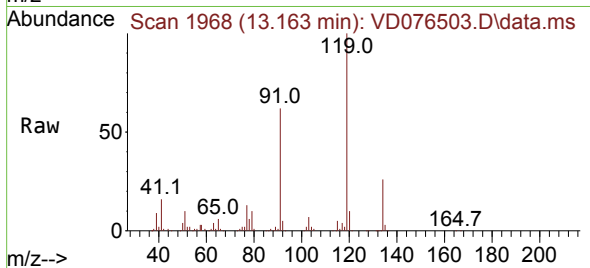
Tgt Ion:119 Resp: 251463

Ion Ratio Lower Upper

119 100

91 62.2 29.3 87.8

134 26.7 14.1 42.3



#84

1,2,4-Trimethylbenzene

Concen: 47.907 ug/l

RT: 13.210 min Scan# 1976

Delta R.T. 0.000 min

Lab File: VD076503.D

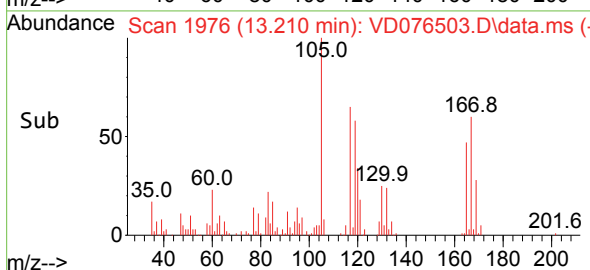
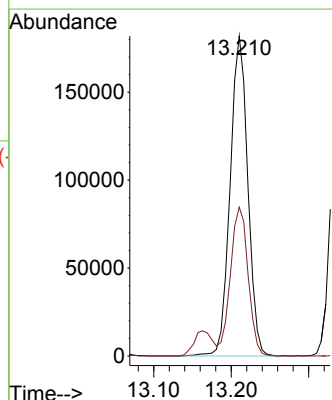
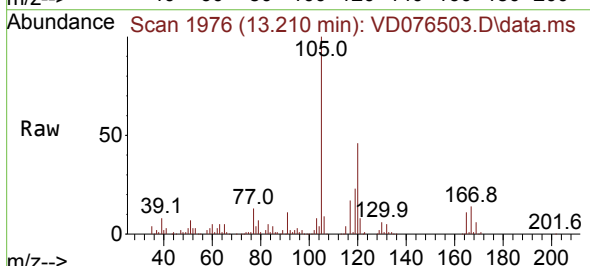
Acq: 20 Jun 2023 20:49

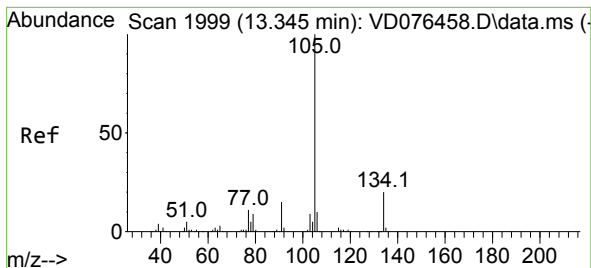
Tgt Ion:105 Resp: 288346

Ion Ratio Lower Upper

105 100

120 46.7 24.3 72.9





#85

sec-Butylbenzene

Concen: 48.233 ug/l

RT: 13.346 min Scan# 1999

Delta R.T. 0.000 min

Lab File: VD076503.D

Acq: 20 Jun 2023 20:49

Instrument :

MSVOA\_D

ClientSampleId :

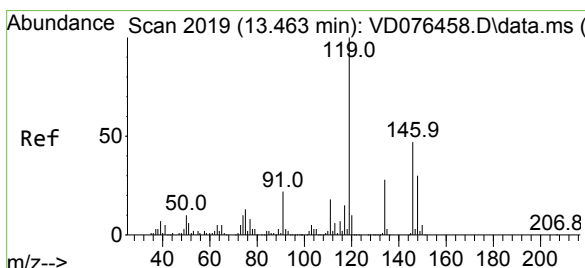
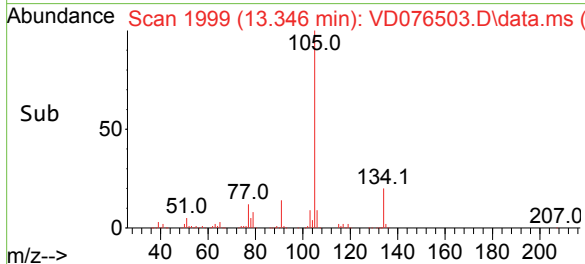
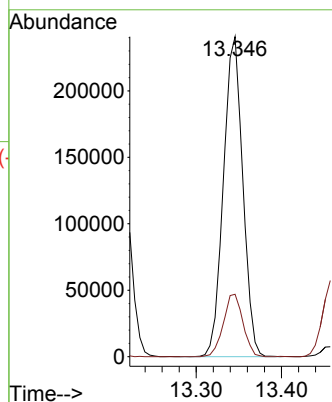
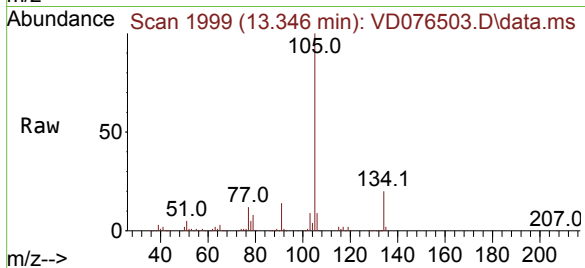
VSTDCCC050EC

Tgt Ion:105 Resp: 379855

Ion Ratio Lower Upper

105 100

134 19.7 10.9 32.9



#86

p-Isopropyltoluene

Concen: 47.823 ug/l

RT: 13.457 min Scan# 2018

Delta R.T. -0.006 min

Lab File: VD076503.D

Acq: 20 Jun 2023 20:49

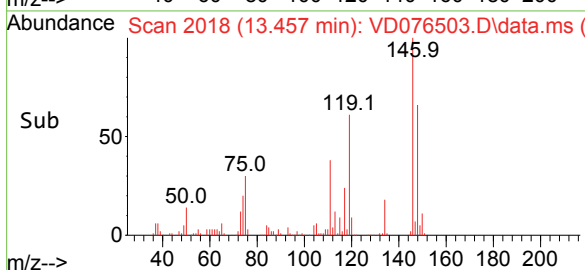
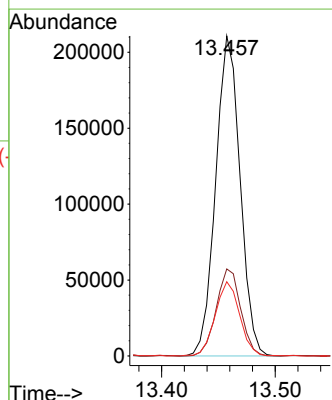
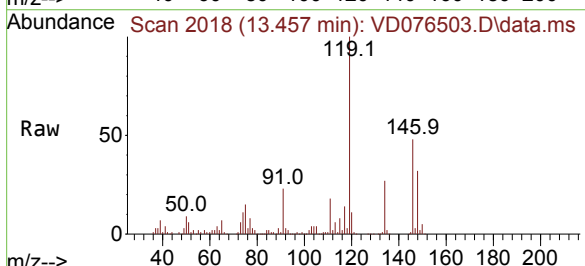
Tgt Ion:119 Resp: 314706

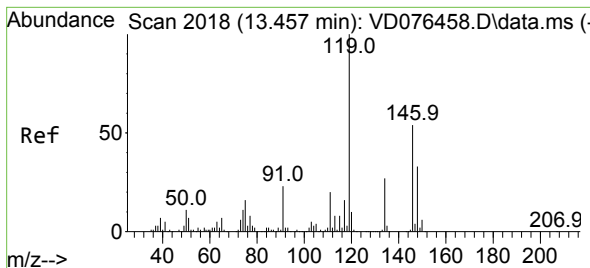
Ion Ratio Lower Upper

119 100

134 27.2 14.2 42.6

91 23.3 10.5 31.5





#87

1,3-Dichlorobenzene

Concen: 47.501 ug/l

RT: 13.457 min Scan# 2018

Delta R.T. 0.000 min

Lab File: VD076503.D

Acq: 20 Jun 2023 20:49

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

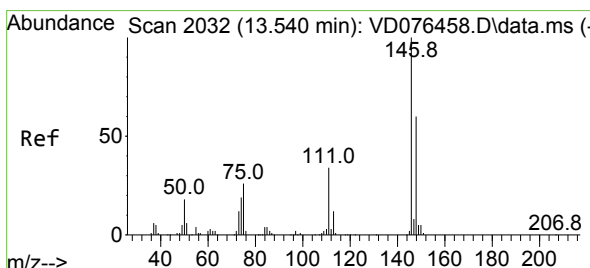
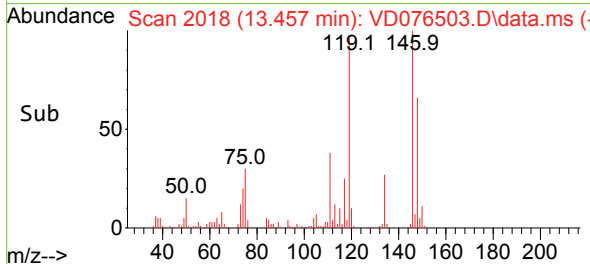
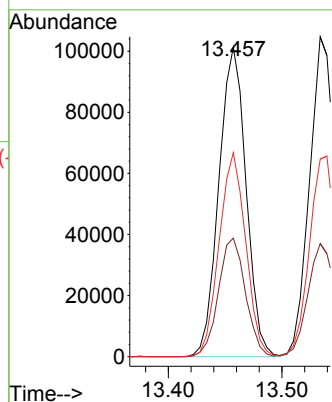
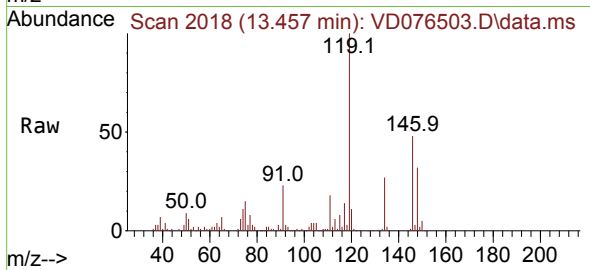
Tgt Ion:146 Resp: 168353

Ion Ratio Lower Upper

146 100

111 38.1 17.9 53.8

148 64.5 32.3 96.8



#88

1,4-Dichlorobenzene

Concen: 47.849 ug/l

RT: 13.534 min Scan# 2031

Delta R.T. -0.006 min

Lab File: VD076503.D

Acq: 20 Jun 2023 20:49

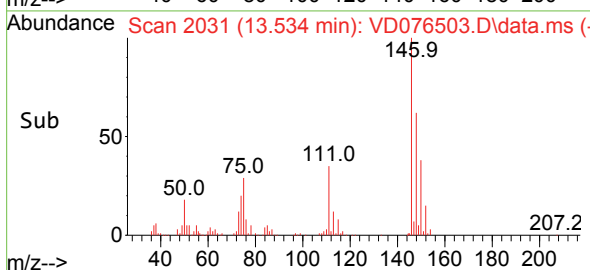
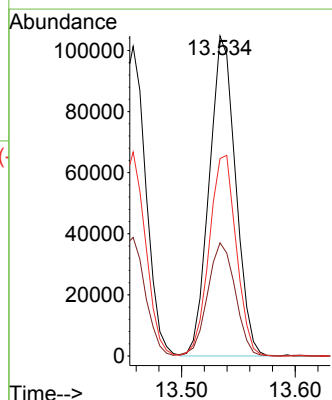
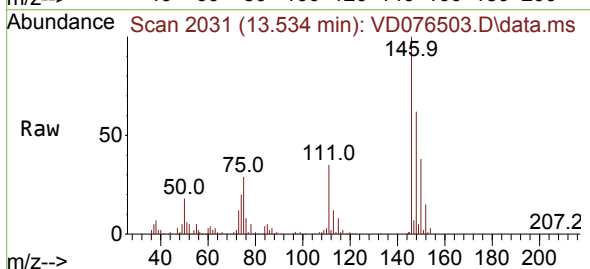
Tgt Ion:146 Resp: 169136

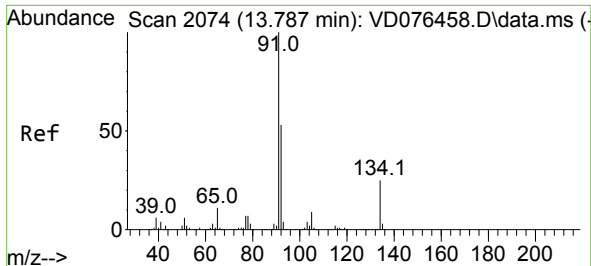
Ion Ratio Lower Upper

146 100

111 37.0 17.4 52.3

148 64.3 31.7 95.1

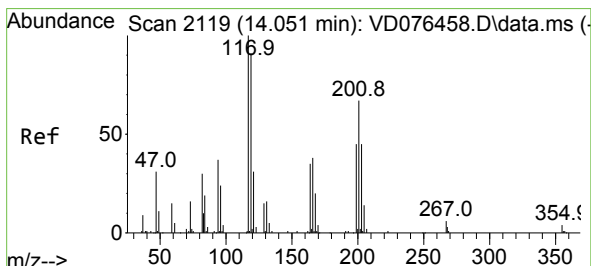
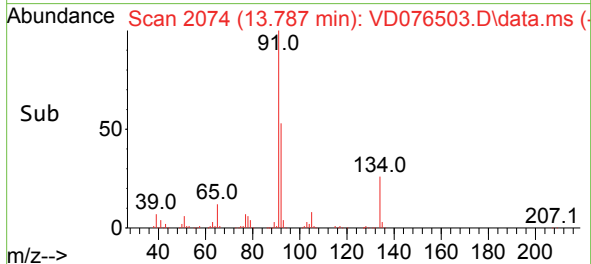
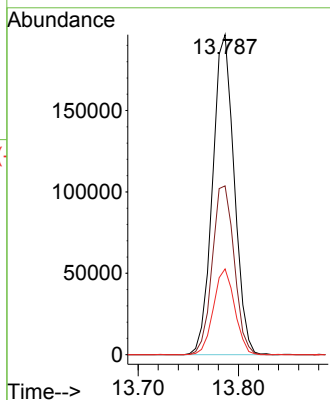
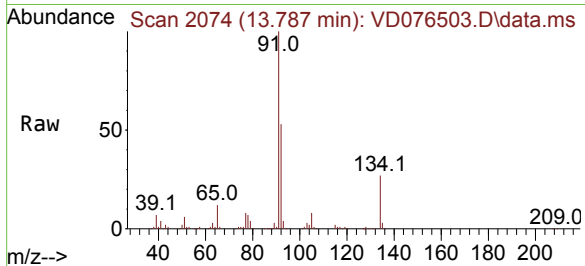




#89  
n-Butylbenzene  
Concen: 45.776 ug/l  
RT: 13.787 min Scan# 2074  
Delta R.T. 0.000 min  
Lab File: VD076503.D  
Acq: 20 Jun 2023 20:49

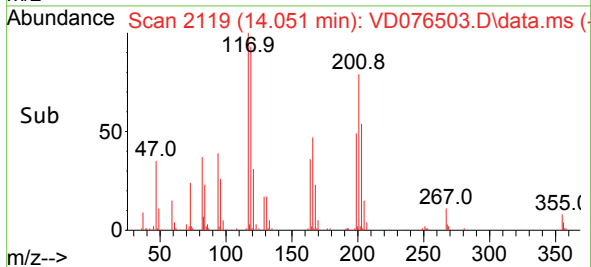
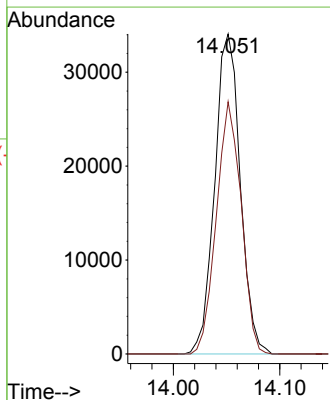
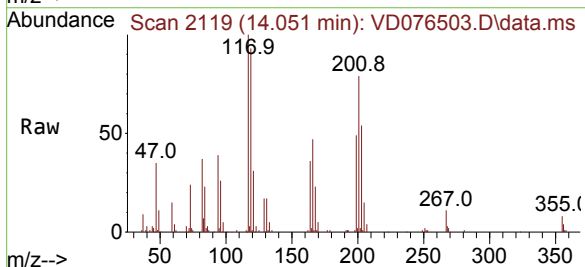
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

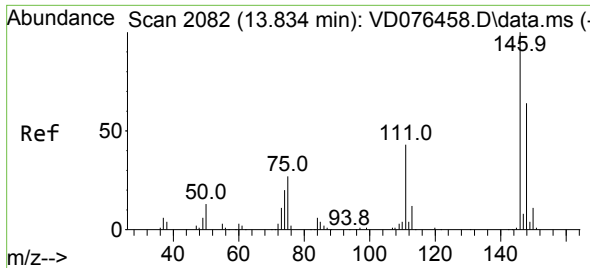
Tgt Ion: 91 Resp: 293816  
Ion Ratio Lower Upper  
91 100  
92 53.8 26.5 79.5  
134 26.4 13.8 41.3



#90  
Hexachloroethane  
Concen: 46.641 ug/l  
RT: 14.051 min Scan# 2119  
Delta R.T. 0.000 min  
Lab File: VD076503.D  
Acq: 20 Jun 2023 20:49

Tgt Ion: 117 Resp: 56640  
Ion Ratio Lower Upper  
117 100  
201 76.7 38.5 115.5

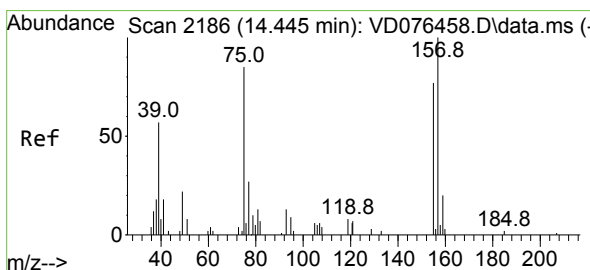
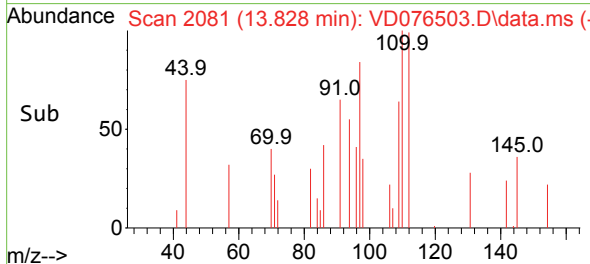
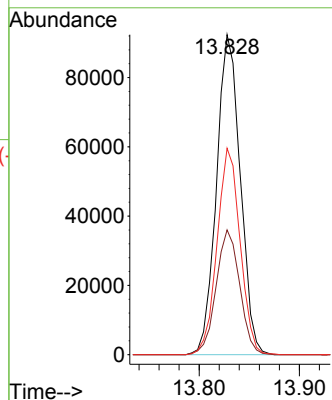
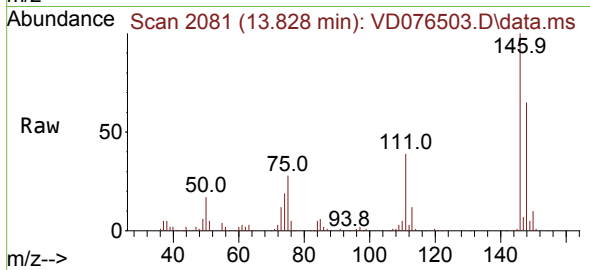




#91  
1,2-Dichlorobenzene  
Concen: 49.071 ug/l  
RT: 13.828 min Scan# 2081  
Delta R.T. -0.006 min  
Lab File: VD076503.D  
Acq: 20 Jun 2023 20:49

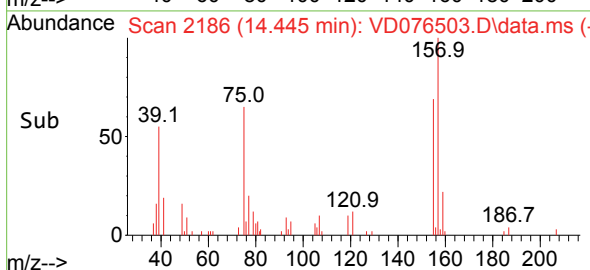
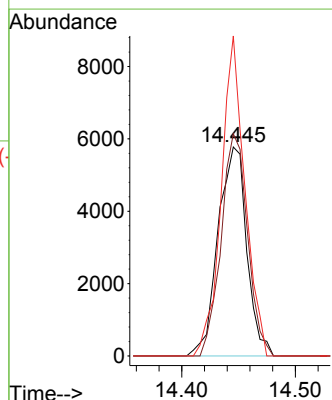
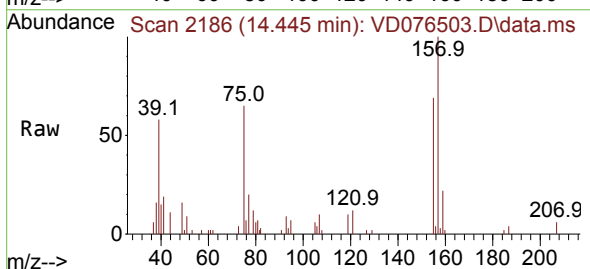
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

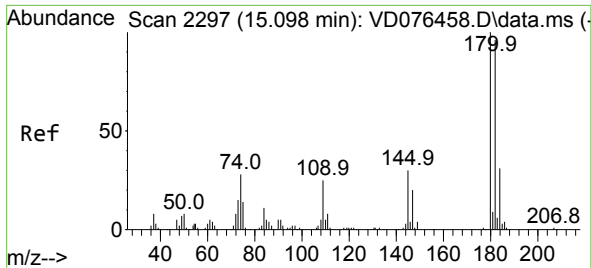
Tgt Ion:146 Resp: 151977  
Ion Ratio Lower Upper  
146 100  
111 38.7 18.3 54.8  
148 62.5 31.6 94.7



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 44.599 ug/l  
RT: 14.445 min Scan# 2186  
Delta R.T. 0.000 min  
Lab File: VD076503.D  
Acq: 20 Jun 2023 20:49

Tgt Ion: 75 Resp: 10131  
Ion Ratio Lower Upper  
75 100  
155 98.0 47.9 143.8  
157 126.1 59.9 179.7

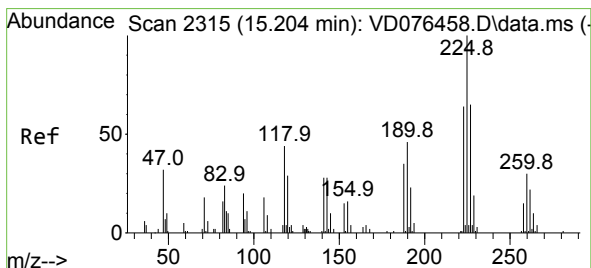
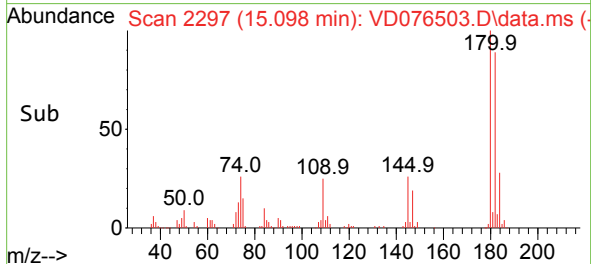
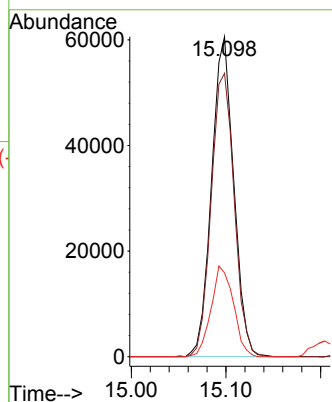
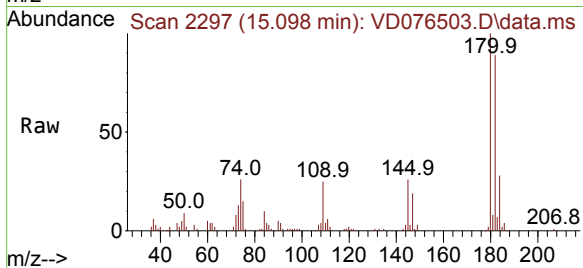




#93  
1,2,4-Trichlorobenzene  
Concen: 47.660 ug/l  
RT: 15.098 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VD076503.D  
Acq: 20 Jun 2023 20:49

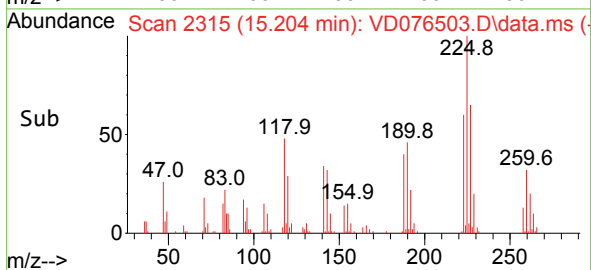
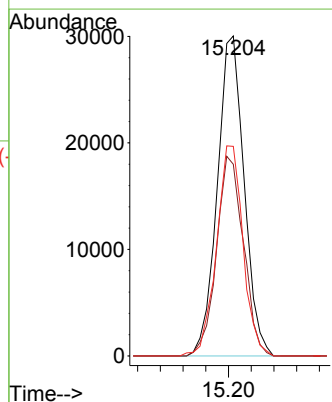
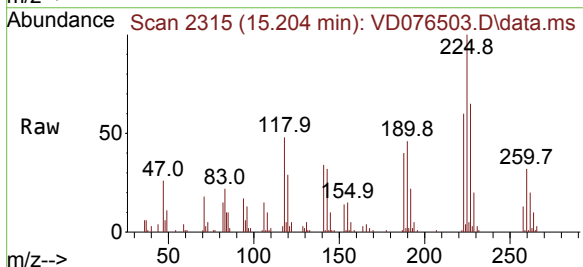
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

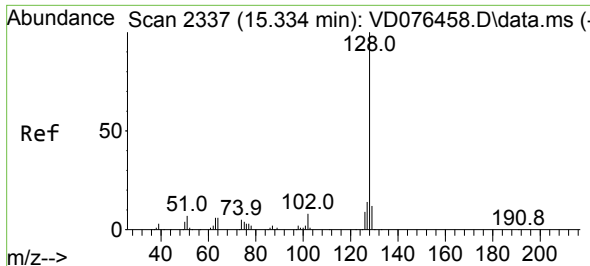
Tgt Ion:180 Resp: 98373  
Ion Ratio Lower Upper  
180 100  
182 92.0 48.5 145.6  
145 28.6 14.2 42.6



#94  
Hexachlorobutadiene  
Concen: 49.106 ug/l  
RT: 15.204 min Scan# 2315  
Delta R.T. 0.000 min  
Lab File: VD076503.D  
Acq: 20 Jun 2023 20:49

Tgt Ion:225 Resp: 49277  
Ion Ratio Lower Upper  
225 100  
223 62.5 31.6 94.8  
227 64.8 31.7 95.1

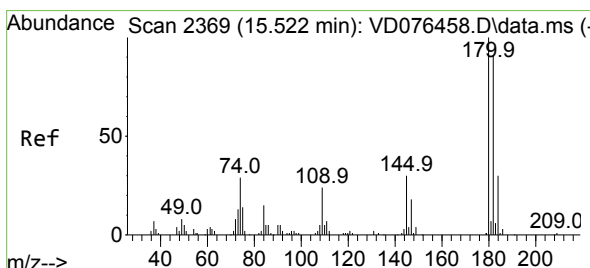
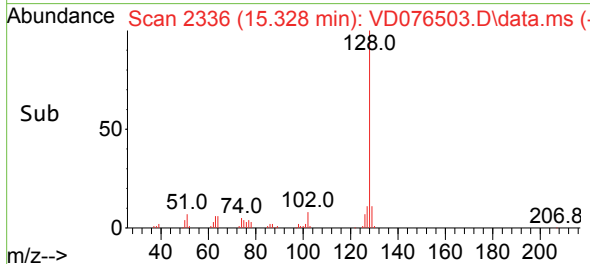
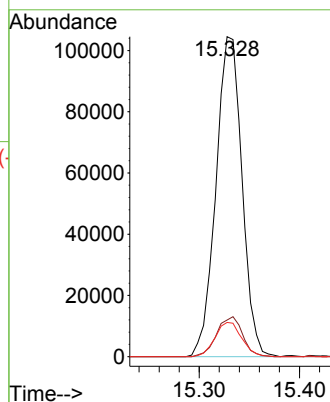
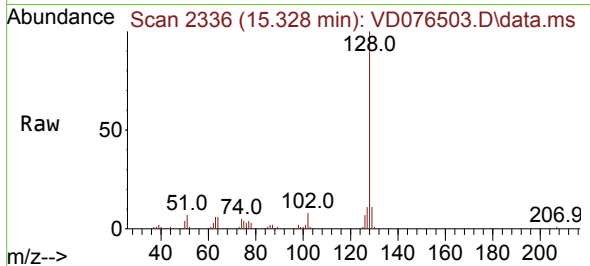




#95  
Naphthalene  
Concen: 45.791 ug/l  
RT: 15.328 min Scan# 2336  
Delta R.T. -0.006 min  
Lab File: VD076503.D  
Acq: 20 Jun 2023 20:49

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion:128 Resp: 189000  
Ion Ratio Lower Upper  
128 100  
127 11.5 10.5 15.7  
129 10.7 8.7 13.1



#96  
1,2,3-Trichlorobenzene  
Concen: 47.455 ug/l  
RT: 15.522 min Scan# 2369  
Delta R.T. 0.000 min  
Lab File: VD076503.D  
Acq: 20 Jun 2023 20:49

Tgt Ion:180 Resp: 85338  
Ion Ratio Lower Upper  
180 100  
182 94.9 47.3 141.9  
145 30.3 15.1 45.3

