

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD011923\  
 Data File : VD075144.D  
 Acq On : 19 Jan 2023 16:59  
 Operator : KP/SY  
 Sample : VSTDCCC050  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: Jan 20 00:38:43 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D011823S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jan 19 01:32:27 2023  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|------------------------------|--------|-------|----------|----------|------------|----------|
| -----                        |        |       |          |          |            |          |
| Internal Standards           |        |       |          |          |            |          |
| 1) Pentafluorobenzene        | 7.881  | 168   | 79516    | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.781  | 114   | 145098   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5         | 11.587 | 117   | 129019   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.522 | 152   | 58530    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds  |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4    | 8.234  | 65    | 43222    | 53.268   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 50 - 163 | Recovery | = 106.540% |          |
| 35) Dibromofluoromethane     | 7.811  | 113   | 45523    | 51.921   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 54 - 147 | Recovery | = 103.840% |          |
| 50) Toluene-d8               | 10.269 | 98    | 179768   | 52.073   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 49 - 140 | Recovery | = 104.140% |          |
| 62) 4-Bromofluorobenzene     | 12.575 | 95    | 55374    | 50.541   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 25 - 144 | Recovery | = 101.080% |          |
| Target Compounds             |        |       |          |          |            | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.934  | 85    | 28557    | 45.838   | ug/l       | 99       |
| 3) Chloromethane             | 2.146  | 50    | 46744    | 45.508   | ug/l       | 99       |
| 4) Vinyl Chloride            | 2.281  | 62    | 48276    | 43.801   | ug/l       | 97       |
| 5) Bromomethane              | 2.693  | 94    | 33517    | 44.715   | ug/l       | 100      |
| 6) Chloroethane              | 2.840  | 64    | 35249    | 46.124   | ug/l       | 96       |
| 7) Trichlorofluoromethane    | 3.175  | 101   | 66976    | 47.807   | ug/l       | 96       |
| 8) Diethyl Ether             | 3.593  | 74    | 23997    | 53.162   | ug/l       | 98       |
| 9) 1,1,2-Trichlorotrifluo... | 3.970  | 101   | 41741    | 48.264   | ug/l       | 95       |
| 10) Methyl Iodide            | 4.170  | 142   | 58504    | 50.252   | ug/l       | 100      |
| 11) Tert butyl alcohol       | 5.052  | 59    | 12386    | 218.812  | ug/l #     | 93       |
| 12) 1,1-Dichloroethene       | 3.946  | 96    | 45363    | 49.823   | ug/l       | 96       |
| 13) Acrolein                 | 3.799  | 56    | 10762    | 228.058  | ug/l       | 96       |
| 14) Allyl chloride           | 4.564  | 41    | 75867    | 51.344   | ug/l       | 97       |
| 15) Acrylonitrile            | 5.258  | 53    | 52720    | 276.210  | ug/l       | 100      |
| 16) Acetone                  | 4.017  | 43    | 56469    | 263.870  | ug/l       | 99       |
| 17) Carbon Disulfide         | 4.275  | 76    | 150979   | 51.126   | ug/l       | 99       |
| 18) Methyl Acetate           | 4.564  | 43    | 32636    | 56.105   | ug/l       | 98       |
| 19) Methyl tert-butyl Ether  | 5.322  | 73    | 104234   | 54.804   | ug/l       | 97       |
| 20) Methylene Chloride       | 4.805  | 84    | 58332    | 52.762   | ug/l       | 99       |
| 21) trans-1,2-Dichloroethene | 5.317  | 96    | 52422    | 51.720   | ug/l       | 99       |
| 22) Diisopropyl ether        | 6.216  | 45    | 152244   | 55.357   | ug/l       | 95       |
| 23) Vinyl Acetate            | 6.158  | 43    | 246844   | 203.647  | ug/l       | 97       |
| 24) 1,1-Dichloroethane       | 6.116  | 63    | 93547    | 54.126   | ug/l       | 99       |
| 25) 2-Butanone               | 7.081  | 43    | 69896    | 270.237  | ug/l #     | 89       |
| 26) 2,2-Dichloropropane      | 7.081  | 77    | 75509    | 49.010   | ug/l       | 99       |
| 27) cis-1,2-Dichloroethene   | 7.081  | 96    | 59346    | 53.714   | ug/l       | 99       |
| 28) Bromochloromethane       | 7.434  | 49    | 24830    | 52.619   | ug/l       | 93       |
| 29) Tetrahydrofuran          | 7.446  | 42    | 40102    | 271.837  | ug/l       | 97       |
| 30) Chloroform               | 7.599  | 83    | 93649    | 54.337   | ug/l       | 91       |
| 31) Cyclohexane              | 7.881  | 56    | 77524    | 47.639   | ug/l       | 95       |
| 32) 1,1,1-Trichloroethane    | 7.799  | 97    | 74991    | 50.504   | ug/l       | 99       |
| 36) 1,1-Dichloropropene      | 8.011  | 75    | 68875    | 48.892   | ug/l       | 99       |
| 37) Ethyl Acetate            | 7.169  | 43    | 28662    | 50.502   | ug/l       | 98       |
| 38) Carbon Tetrachloride     | 7.993  | 117   | 54808    | 46.209   | ug/l       | 95       |
| 39) Methylcyclohexane        | 9.275  | 83    | 82434    | 47.484   | ug/l       | 99       |
| 40) Benzene                  | 8.252  | 78    | 210648   | 52.434   | ug/l       | 98       |

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 Quant Title : SW846 8260  
 QLast Update : Thu Jan 19 01:32:27 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.405  | 41   | 18268    | 53.493  | ug/l # | 87       |
| 42) 1,2-Dichloroethane        | 8.328  | 62   | 54735    | 51.868  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.363  | 43   | 55893    | 50.608  | ug/l   | 99       |
| 44) Trichloroethene           | 9.028  | 130  | 54784    | 48.494  | ug/l   | 97       |
| 45) 1,2-Dichloropropane       | 9.310  | 63   | 52387    | 52.937  | ug/l   | 99       |
| 46) Dibromomethane            | 9.399  | 93   | 26794    | 51.339  | ug/l   | 97       |
| 47) Bromodichloromethane      | 9.587  | 83   | 69033    | 53.316  | ug/l   | 96       |
| 48) Methyl methacrylate       | 9.381  | 41   | 27214    | 50.389  | ug/l   | 96       |
| 49) 1,4-Dioxane               | 9.381  | 88   | 4882     | 979.842 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone      | 10.163 | 43   | 138022   | 260.240 | ug/l   | 99       |
| 52) Toluene                   | 10.334 | 92   | 130339   | 51.340  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.557 | 75   | 62965    | 51.401  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 10.022 | 75   | 78635    | 52.543  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 10.734 | 97   | 35801    | 51.834  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 10.599 | 69   | 43724    | 52.641  | ug/l   | 100      |
| 57) 1,3-Dichloropropane       | 10.887 | 76   | 64035    | 53.954  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.869  | 63   | 70629    | 248.501 | ug/l   | 100      |
| 59) 2-Hexanone                | 10.922 | 43   | 99892    | 260.486 | ug/l   | 99       |
| 60) Dibromochloromethane      | 11.075 | 129  | 41975    | 50.421  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.181 | 107  | 33454    | 50.695  | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.810 | 164  | 43378    | 47.082  | ug/l   | 96       |
| 65) Chlorobenzene             | 11.610 | 112  | 133476   | 50.487  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 11.681 | 131  | 45541    | 51.213  | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.687 | 91   | 241214   | 50.688  | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.799 | 106  | 183976   | 100.077 | ug/l   | 100      |
| 69) o-Xylene                  | 12.122 | 106  | 89459    | 51.878  | ug/l   | 99       |
| 70) Styrene                   | 12.140 | 104  | 147588   | 51.485  | ug/l   | 99       |
| 71) Bromoform                 | 12.304 | 173  | 23209    | 50.545  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.422 | 105  | 224813   | 48.627  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.234 | 43   | 48369    | 47.760  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 12.675 | 83   | 37988    | 51.571  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.728 | 75   | 47512    | 95.847  | ug/l # | 100      |
| 77) Bromobenzene              | 12.704 | 156  | 51966    | 49.210  | ug/l   | 97       |
| 78) n-propylbenzene           | 12.769 | 91   | 276647   | 48.695  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 12.851 | 91   | 155071   | 49.629  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 186976   | 49.363  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.475 | 75   | 10538    | 49.311  | ug/l   | 98       |
| 82) 4-Chlorotoluene           | 12.951 | 91   | 158651   | 49.385  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.169 | 119  | 157017   | 47.909  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.216 | 105  | 184160   | 49.507  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.346 | 105  | 237025   | 47.608  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.463 | 119  | 195697   | 48.011  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.463 | 146  | 101796   | 49.730  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene       | 13.540 | 146  | 99737    | 49.522  | ug/l   | 98       |
| 89) n-Butylbenzene            | 13.793 | 91   | 189781   | 47.780  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.057 | 117  | 33797    | 46.954  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 13.834 | 146  | 88338    | 50.442  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.451 | 75   | 5892     | 52.314  | ug/l   | 95       |
| 93) 1,2,4-Trichlorobenzene    | 15.104 | 180  | 54019    | 46.973  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 15.204 | 225  | 24889    | 44.161  | ug/l   | 99       |
| 95) Naphthalene               | 15.334 | 128  | 108298   | 47.305  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.528 | 180  | 46753    | 47.646  | ug/l   | 98       |

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ALS Vial : 14 Sample Multiplier: 1

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QLast Update : Thu Jan 19 01:32:27 2023  
Response via : Initial Calibration

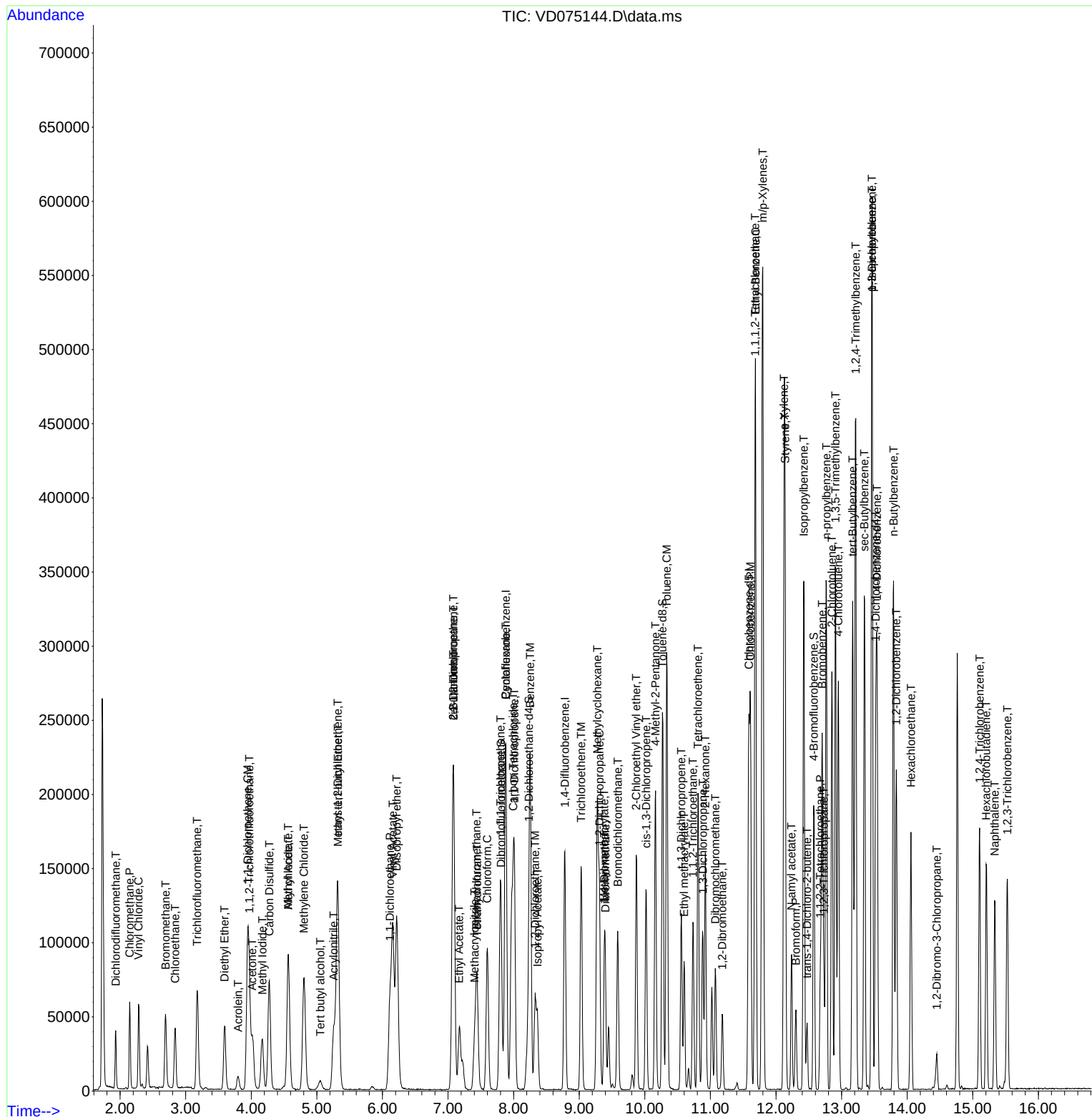
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

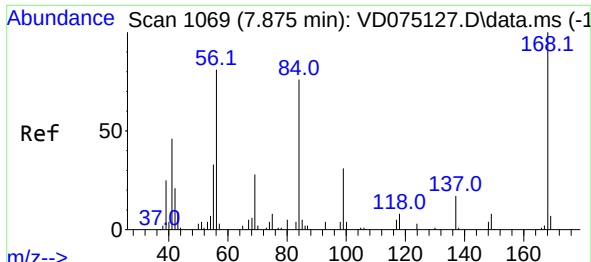
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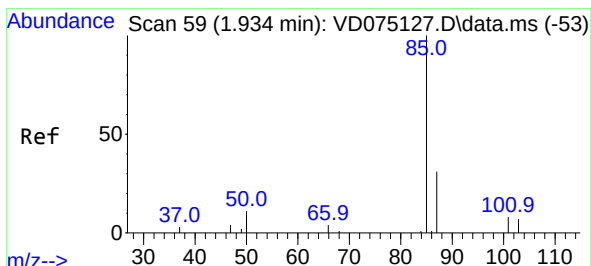
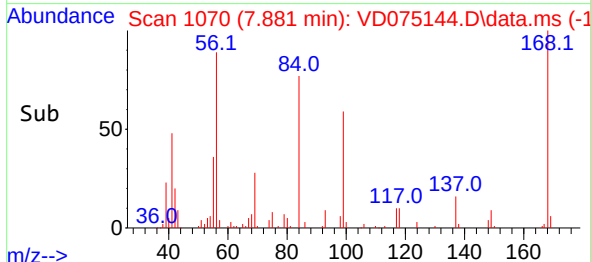
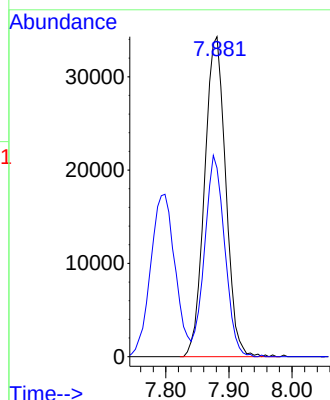
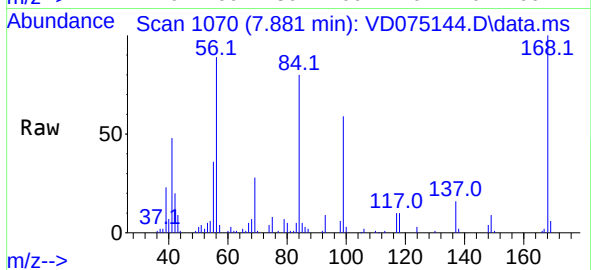




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.881 min Scan# 10  
Delta R.T. 0.006 min  
Lab File: VD075144.D  
Acq: 19 Jan 2023 16:59

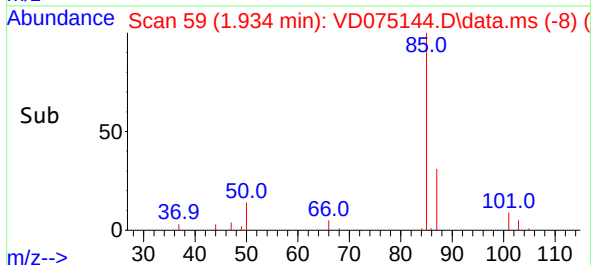
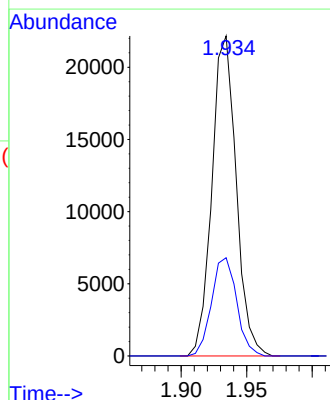
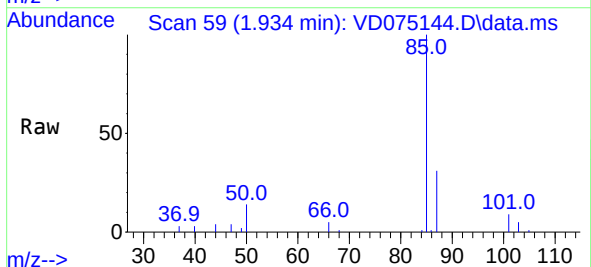
Instrument :  
MSVOA\_D  
ClientSampleId :  
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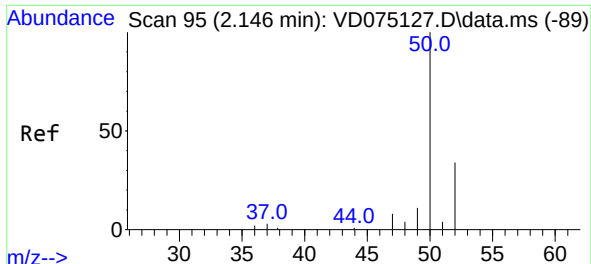
Tgt Ion:168 Resp: 79516  
Ion Ratio Lower Upper  
168 100  
99 59.0 45.2 67.8



#2  
Dichlorodifluoromethane  
Concen: 45.838 ug/l  
RT: 1.934 min Scan# 59  
Delta R.T. 0.000 min  
Lab File: VD075144.D  
Acq: 19 Jan 2023 16:59

Tgt Ion: 85 Resp: 28557  
Ion Ratio Lower Upper  
85 100  
87 30.7 15.7 47.0

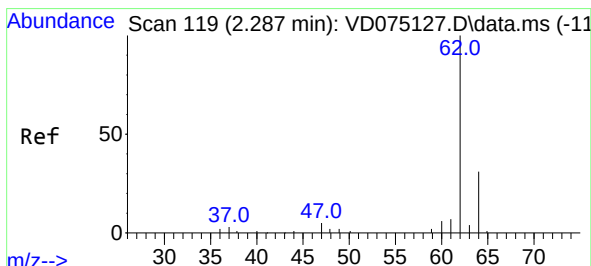
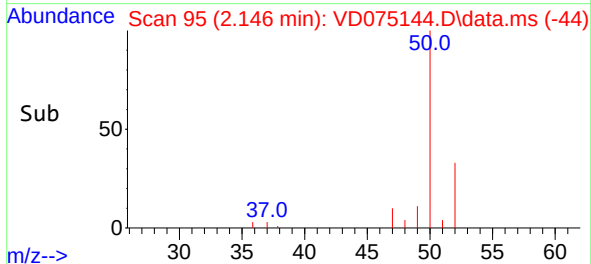
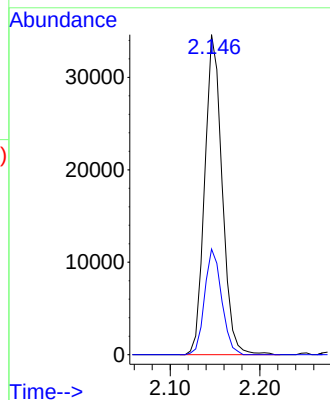
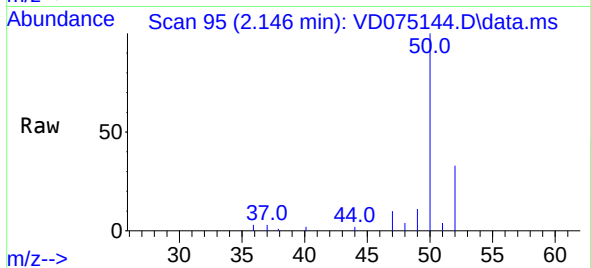




#3  
Chloromethane  
Concen: 45.508 ug/l  
RT: 2.146 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VD075144.D  
Acq: 19 Jan 2023 16:59

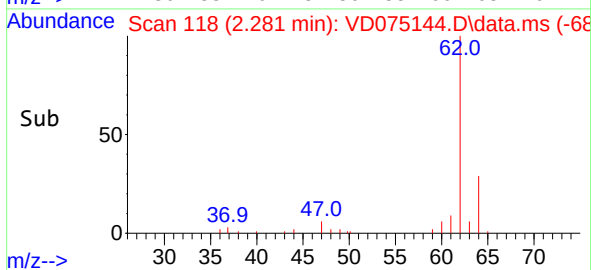
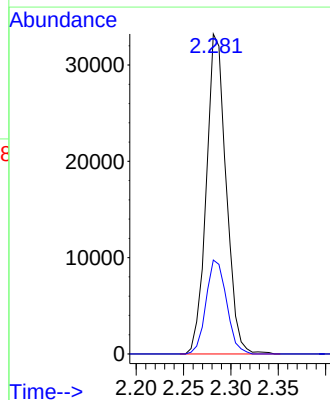
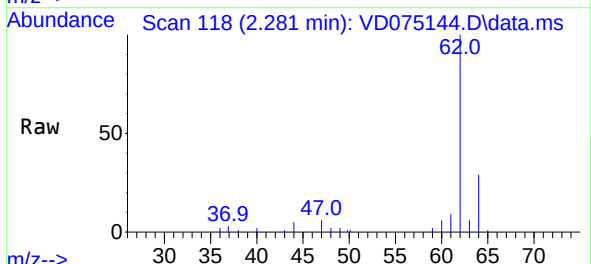
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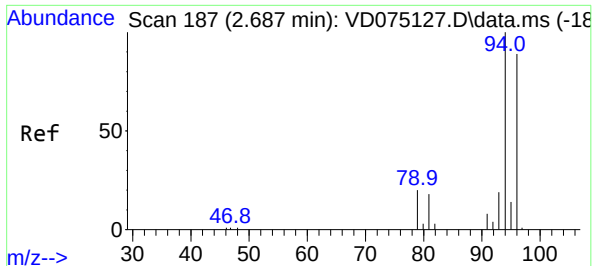
Tgt Ion: 50 Resp: 46744  
Ion Ratio Lower Upper  
50 100  
52 33.0 27.0 40.6



#4  
Vinyl Chloride  
Concen: 43.801 ug/l  
RT: 2.281 min Scan# 118  
Delta R.T. -0.006 min  
Lab File: VD075144.D  
Acq: 19 Jan 2023 16:59

Tgt Ion: 62 Resp: 48276  
Ion Ratio Lower Upper  
62 100  
64 29.3 24.8 37.2

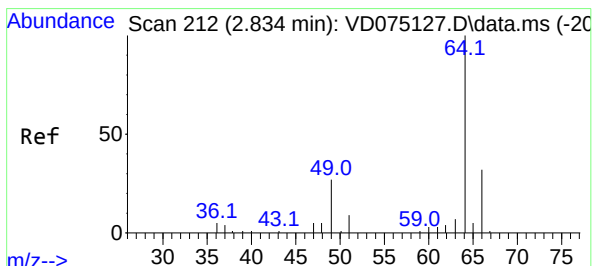
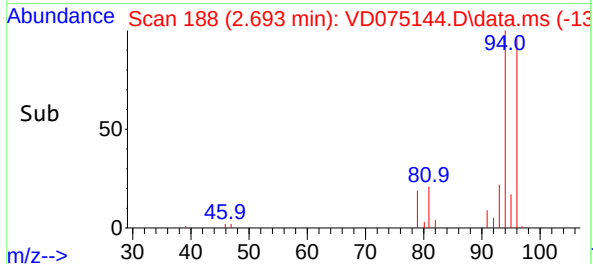
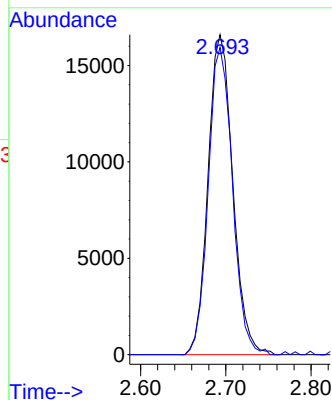
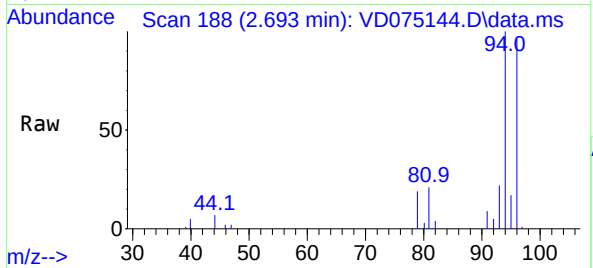




#5  
Bromomethane  
Concen: 44.715 ug/l  
RT: 2.693 min Scan# 187  
Delta R.T. 0.006 min  
Lab File: VD075144.D  
Acq: 19 Jan 2023 16:59

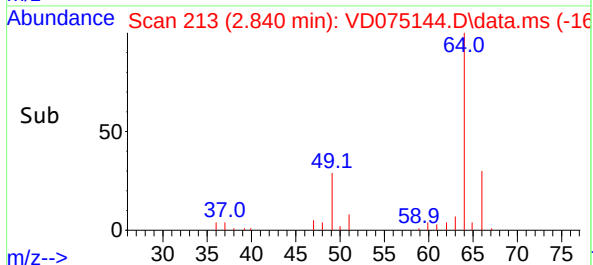
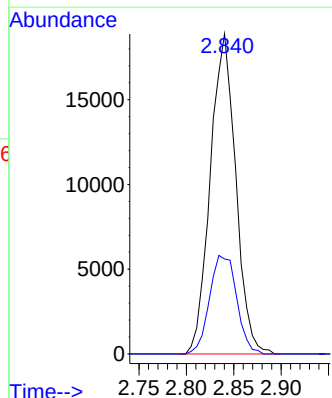
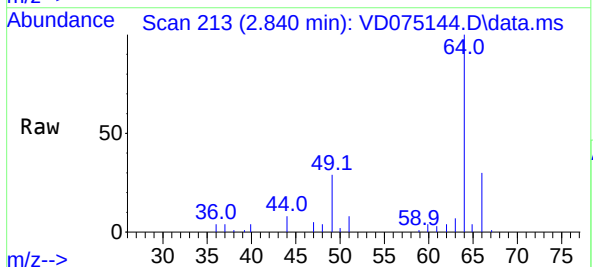
Instrument :  
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VSTDCCC050EC

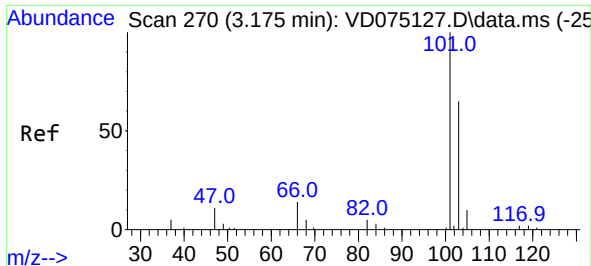
Tgt Ion: 94 Resp: 33517  
Ion Ratio Lower Upper  
94 100  
96 93.7 74.8 112.2



#6  
Chloroethane  
Concen: 46.124 ug/l  
RT: 2.840 min Scan# 213  
Delta R.T. 0.006 min  
Lab File: VD075144.D  
Acq: 19 Jan 2023 16:59

Tgt Ion: 64 Resp: 35249  
Ion Ratio Lower Upper  
64 100  
66 29.7 25.4 38.2

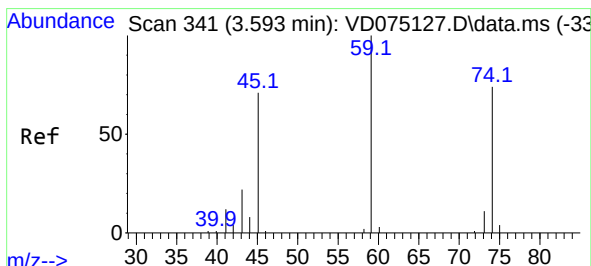
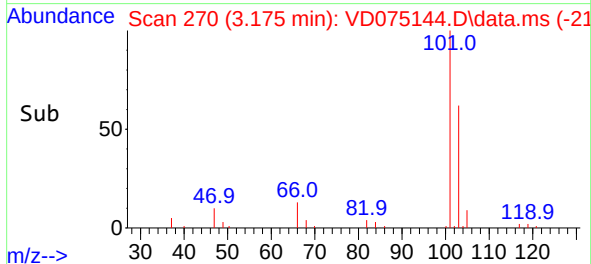
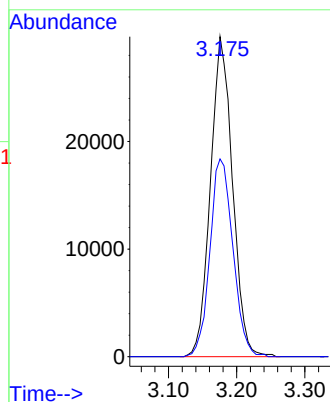
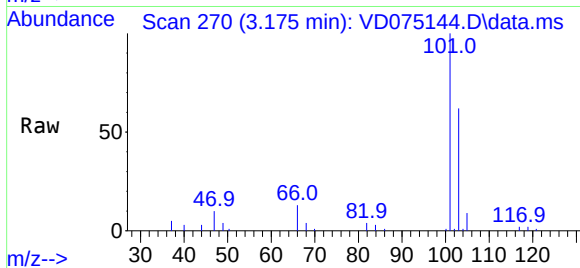




#7  
Trichlorofluoromethane  
Concen: 47.807 ug/l  
RT: 3.175 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VD075144.D  
Acq: 19 Jan 2023 16:59

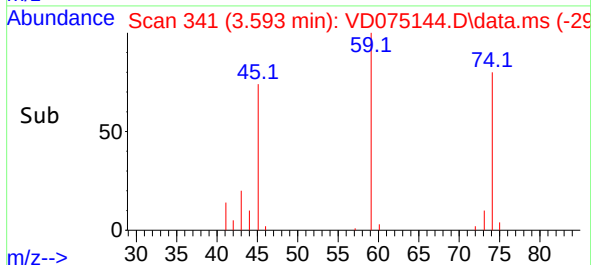
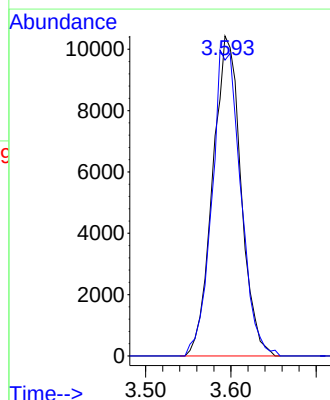
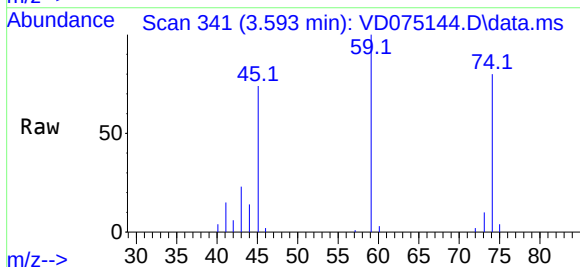
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion:101 Resp: 66976  
Ion Ratio Lower Upper  
101 100  
103 61.8 52.2 78.4

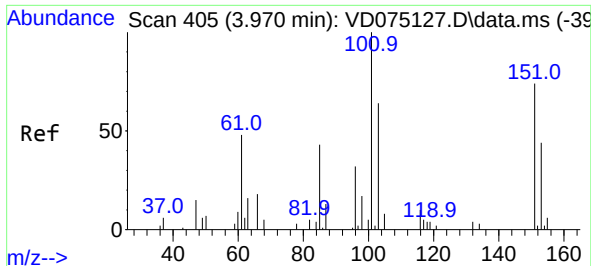


#8  
Diethyl Ether  
Concen: 53.162 ug/l  
RT: 3.593 min Scan# 341  
Delta R.T. -0.000 min  
Lab File: VD075144.D  
Acq: 19 Jan 2023 16:59

Tgt Ion: 74 Resp: 23997  
Ion Ratio Lower Upper  
74 100  
45 97.6 49.8 149.3



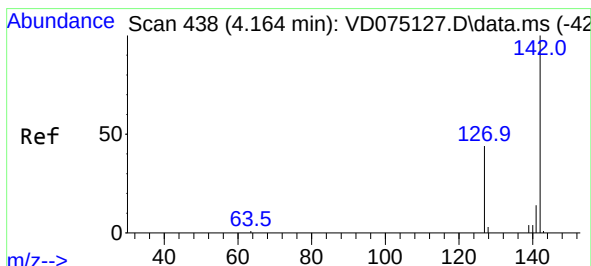
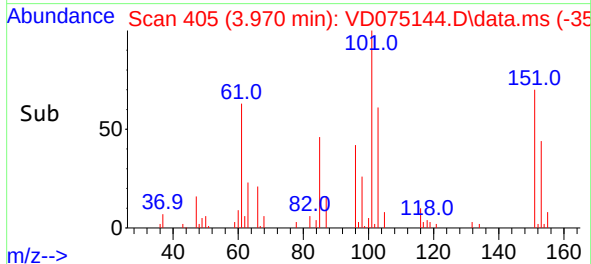
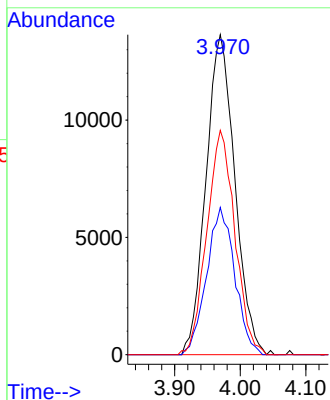
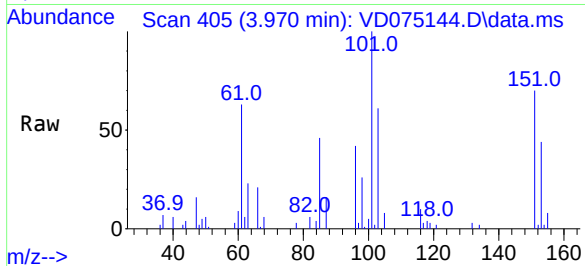




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 48.264 ug/l  
RT: 3.970 min Scan# 405  
Delta R.T. -0.000 min  
Lab File: VD075144.D  
Acq: 19 Jan 2023 16:59

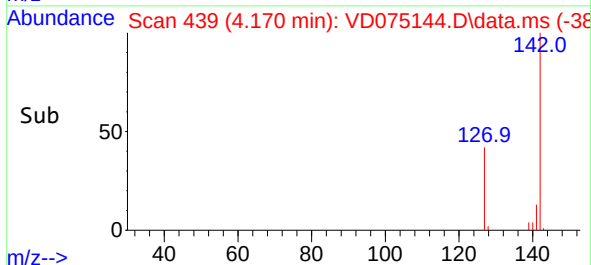
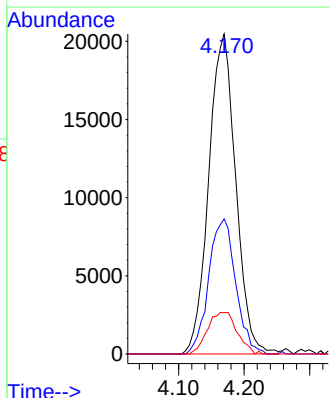
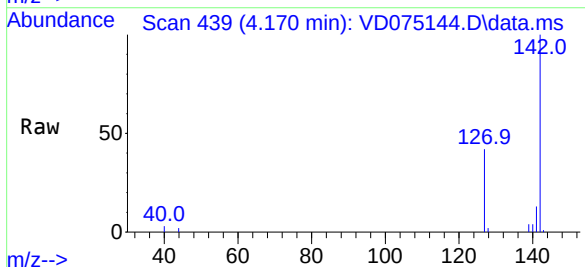
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

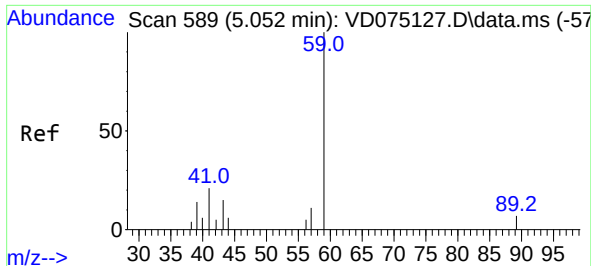
Tgt Ion:101 Resp: 41741  
Ion Ratio Lower Upper  
101 100  
85 45.0 36.9 55.3  
151 68.2 58.9 88.3



#10  
Methyl Iodide  
Concen: 50.252 ug/l  
RT: 4.170 min Scan# 439  
Delta R.T. 0.006 min  
Lab File: VD075144.D  
Acq: 19 Jan 2023 16:59

Tgt Ion:142 Resp: 58504  
Ion Ratio Lower Upper  
142 100  
127 42.2 33.6 50.4  
141 14.3 11.1 16.7





#11

Tert butyl alcohol

Concen: 218.812 ug/l

RT: 5.052 min Scan# 51

Delta R.T. -0.000 min

Lab File: VD075144.D

Acq: 19 Jan 2023 16:59

Instrument :

MSVOA\_D

ClientSampleId :

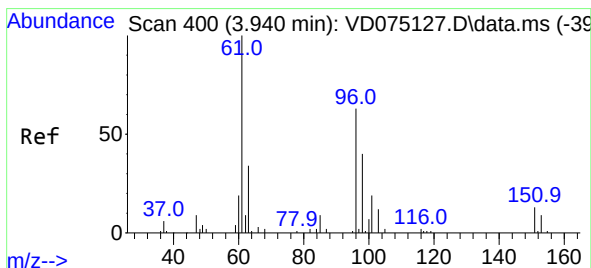
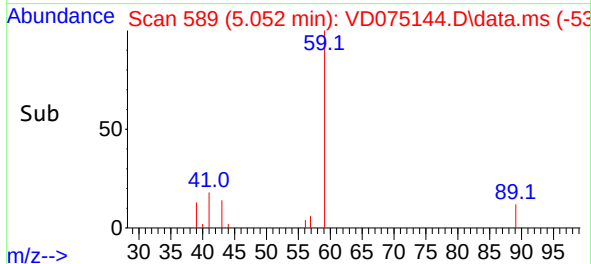
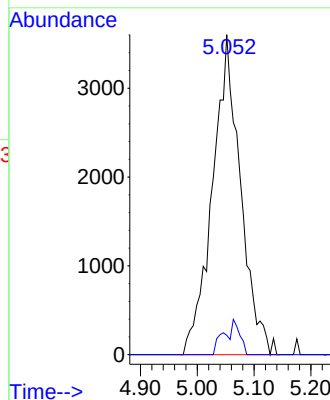
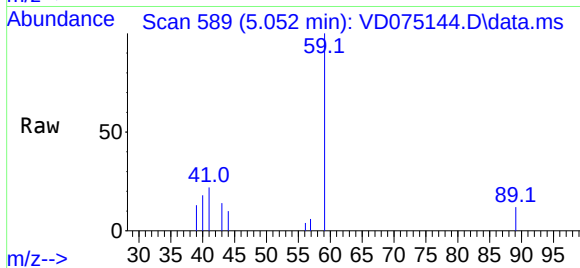
VSTDCCC050EC

Tgt Ion: 59 Resp: 12386

Ion Ratio Lower Upper

59 100

57 6.1 2.9 4.3#



#12

1,1-Dichloroethene

Concen: 49.823 ug/l

RT: 3.946 min Scan# 401

Delta R.T. 0.006 min

Lab File: VD075144.D

Acq: 19 Jan 2023 16:59

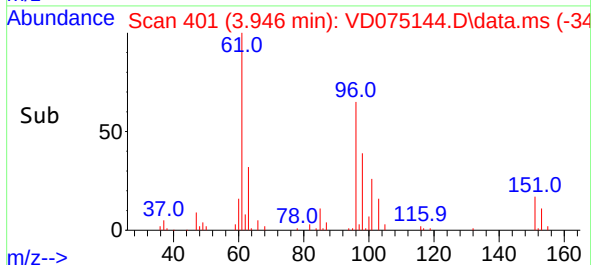
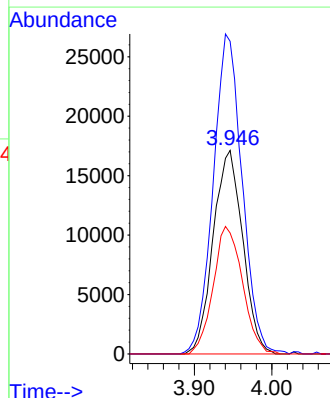
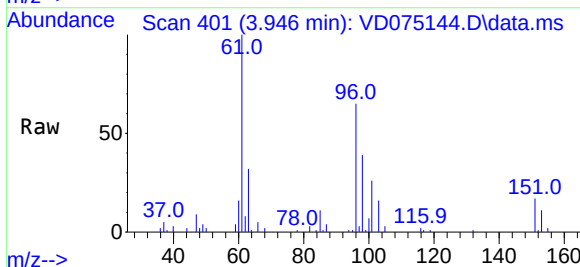
Tgt Ion: 96 Resp: 45363

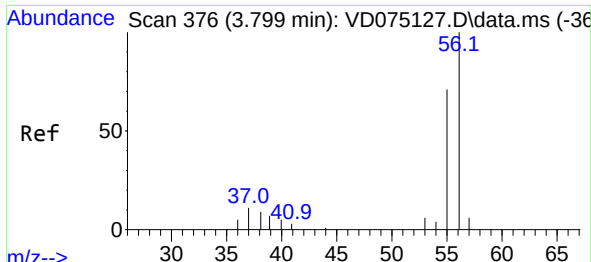
Ion Ratio Lower Upper

96 100

61 153.6 126.8 190.2

98 59.4 50.4 75.6





#13

Acrolein

Concen: 228.058 ug/l

RT: 3.799 min Scan# 31

Delta R.T. -0.000 min

Lab File: VD075144.D

Acq: 19 Jan 2023 16:59

Instrument :

MSVOA\_D

ClientSampleId :

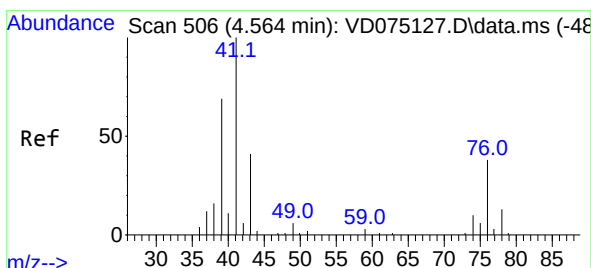
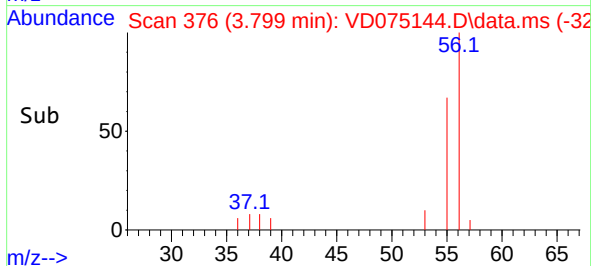
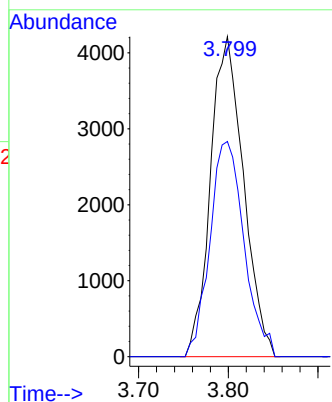
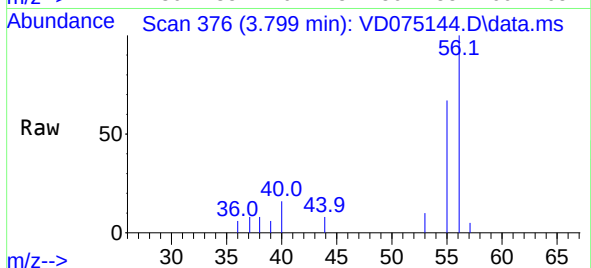
VSTDCCC050EC

Tgt Ion: 56 Resp: 10762

Ion Ratio Lower Upper

56 100

55 69.5 53.0 79.6



#14

Allyl chloride

Concen: 51.344 ug/l

RT: 4.564 min Scan# 506

Delta R.T. -0.000 min

Lab File: VD075144.D

Acq: 19 Jan 2023 16:59

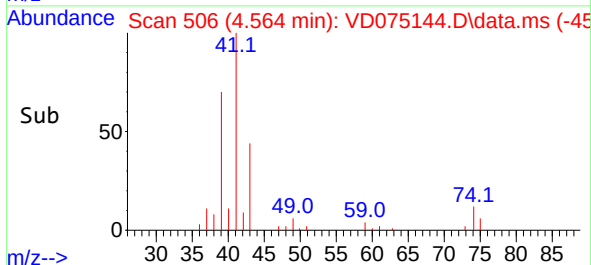
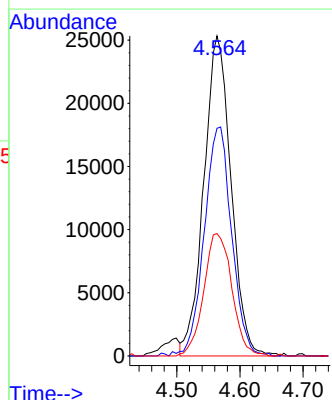
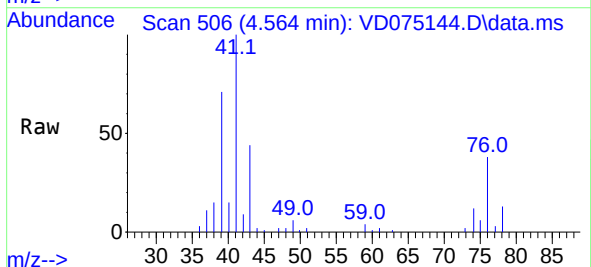
Tgt Ion: 41 Resp: 75867

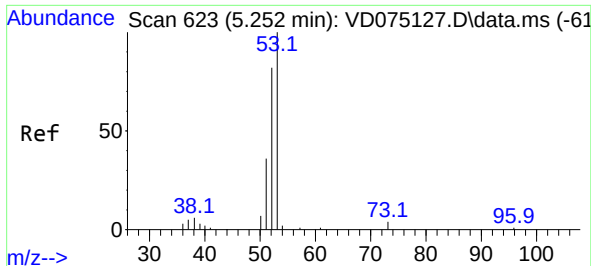
Ion Ratio Lower Upper

41 100

39 72.0 55.4 83.0

76 39.5 30.2 45.2

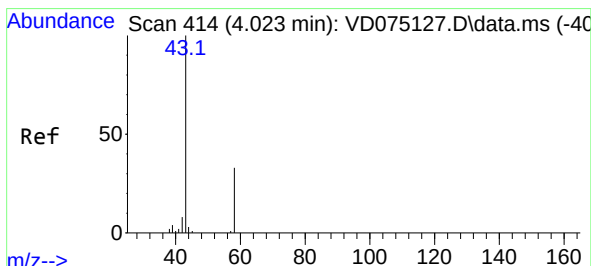
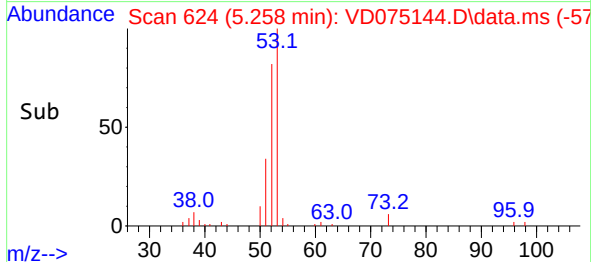
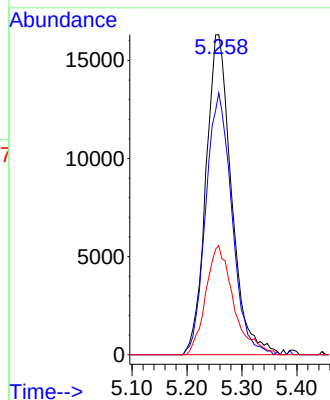
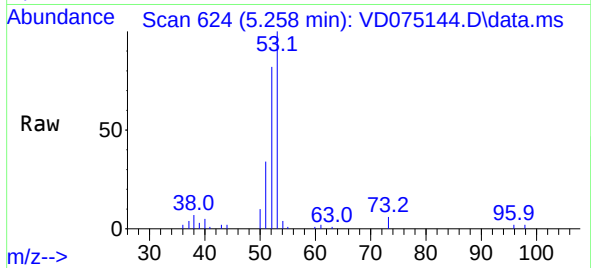




#15  
Acrylonitrile  
Concen: 276.210 ug/l  
RT: 5.258 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VD075144.D  
Acq: 19 Jan 2023 16:59

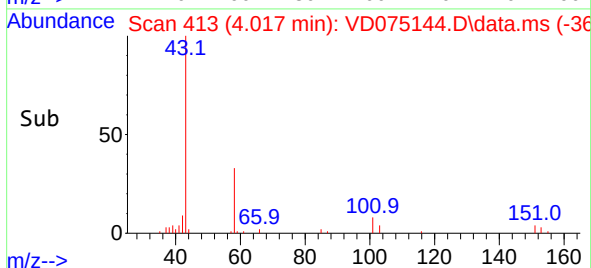
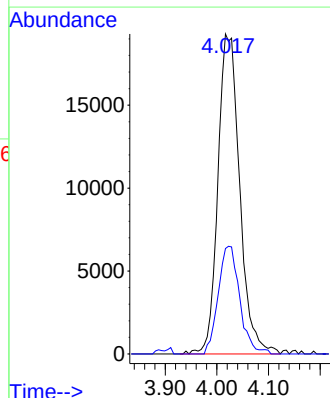
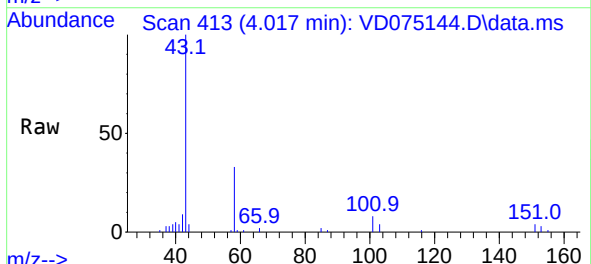
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

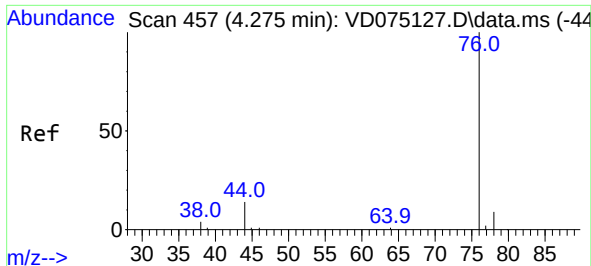
Tgt Ion: 53 Resp: 52720  
Ion Ratio Lower Upper  
53 100  
52 83.6 67.0 100.6  
51 37.2 30.1 45.1



#16  
Acetone  
Concen: 263.870 ug/l  
RT: 4.017 min Scan# 413  
Delta R.T. -0.006 min  
Lab File: VD075144.D  
Acq: 19 Jan 2023 16:59

Tgt Ion: 43 Resp: 56469  
Ion Ratio Lower Upper  
43 100  
58 32.9 26.0 39.0

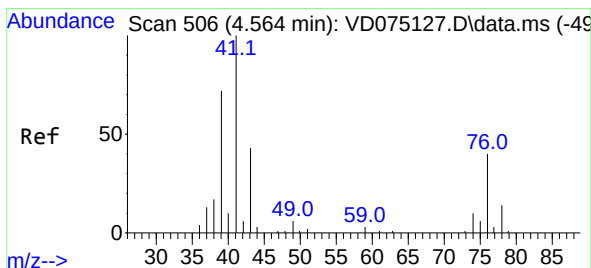
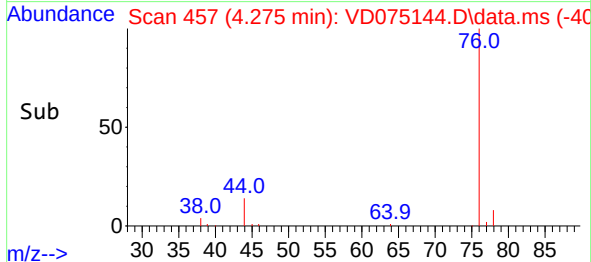
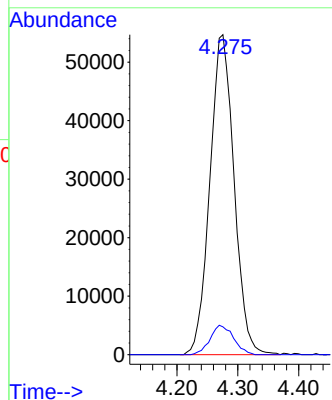
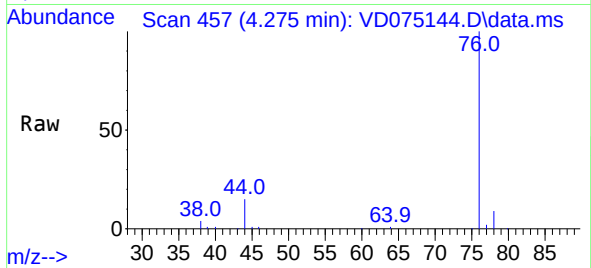




#17  
Carbon Disulfide  
Concen: 51.126 ug/l  
RT: 4.275 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: VD075144.D  
Acq: 19 Jan 2023 16:59

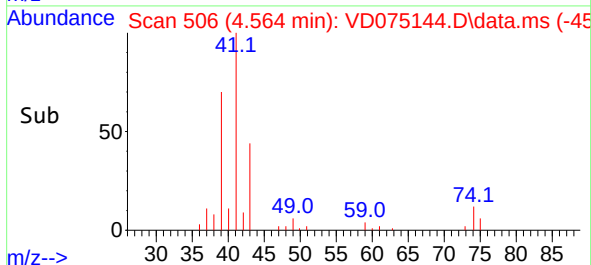
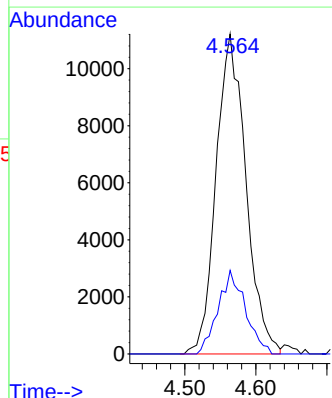
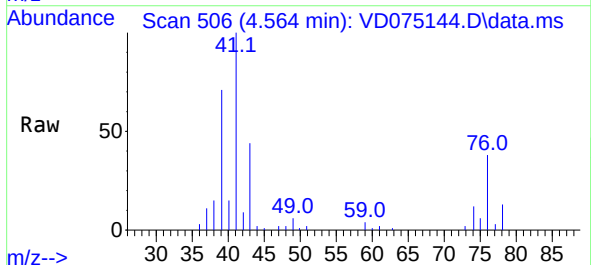
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

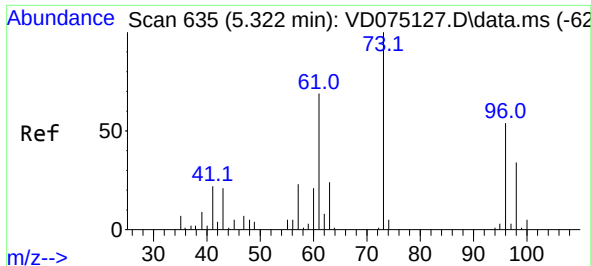
Tgt Ion: 76 Resp: 150979  
Ion Ratio Lower Upper  
76 100  
78 8.7 7.4 11.0



#18  
Methyl Acetate  
Concen: 56.105 ug/l  
RT: 4.564 min Scan# 506  
Delta R.T. -0.000 min  
Lab File: VD075144.D  
Acq: 19 Jan 2023 16:59

Tgt Ion: 43 Resp: 32636  
Ion Ratio Lower Upper  
43 100  
74 23.9 18.5 27.7

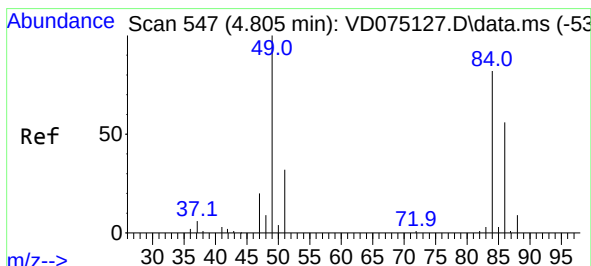
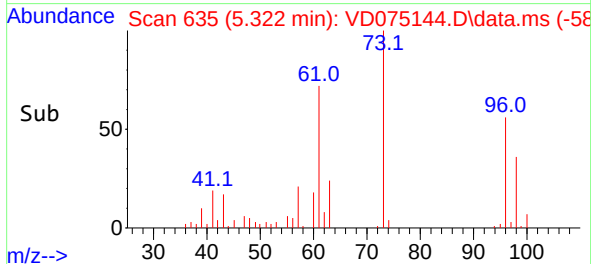
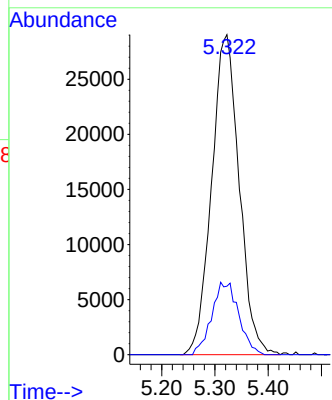
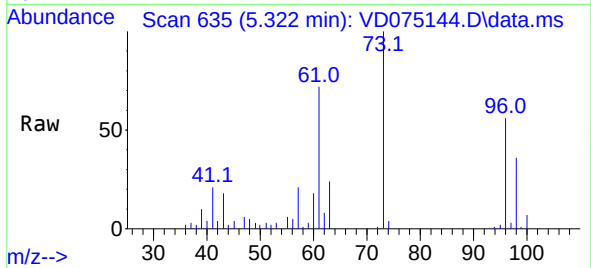




#19  
Methyl tert-butyl Ether  
Concen: 54.804 ug/l  
RT: 5.322 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: VD075144.D  
Acq: 19 Jan 2023 16:59

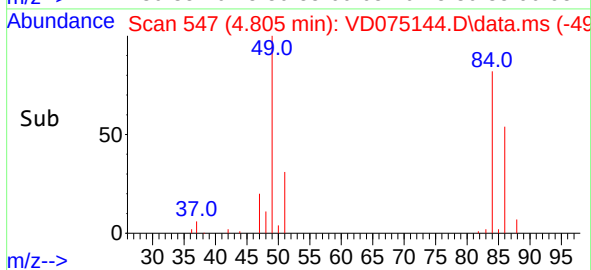
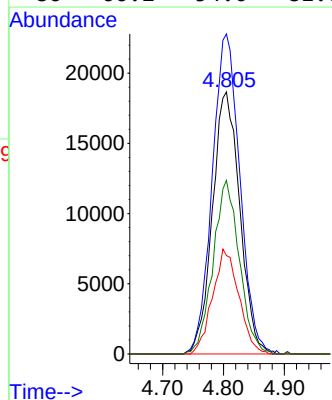
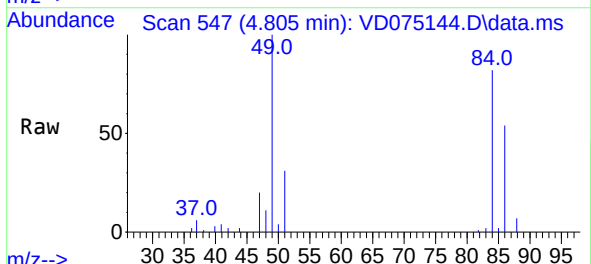
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

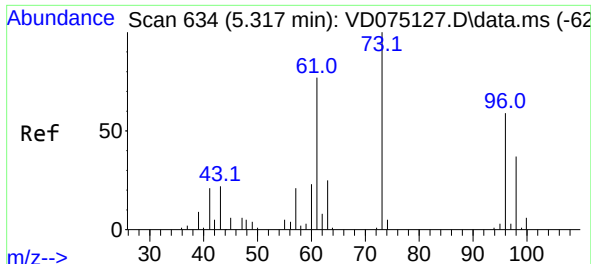
Tgt Ion: 73 Resp: 104234  
Ion Ratio Lower Upper  
73 100  
57 21.4 18.5 27.7



#20  
Methylene Chloride  
Concen: 52.762 ug/l  
RT: 4.805 min Scan# 547  
Delta R.T. -0.000 min  
Lab File: VD075144.D  
Acq: 19 Jan 2023 16:59

Tgt Ion: 84 Resp: 58332  
Ion Ratio Lower Upper  
84 100  
49 122.1 97.0 145.6  
51 37.6 30.9 46.3  
86 66.2 54.0 81.0

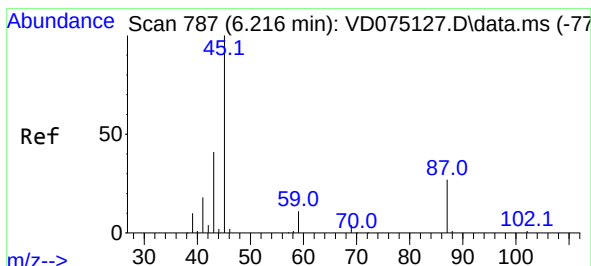
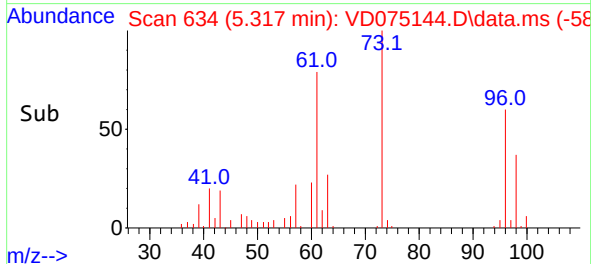
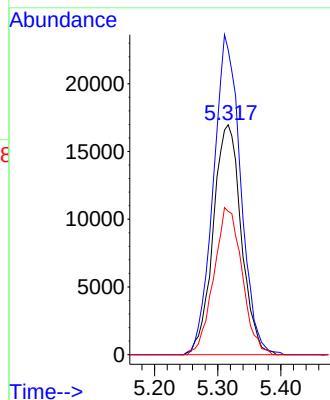
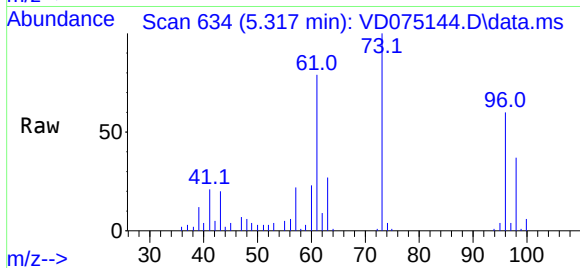




#21  
trans-1,2-Dichloroethene  
Concen: 51.720 ug/l  
RT: 5.317 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: VD075144.D  
Acq: 19 Jan 2023 16:59

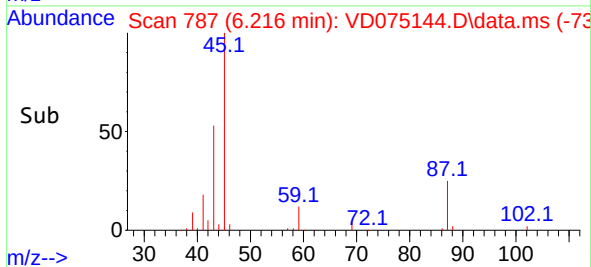
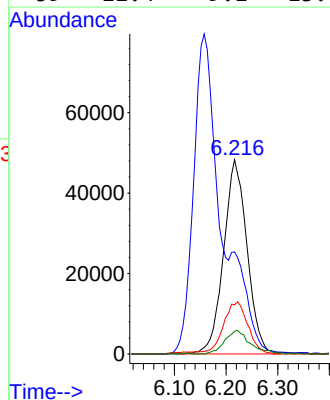
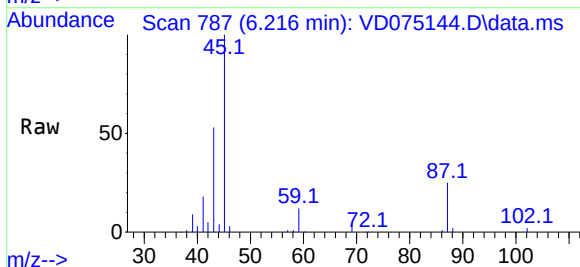
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

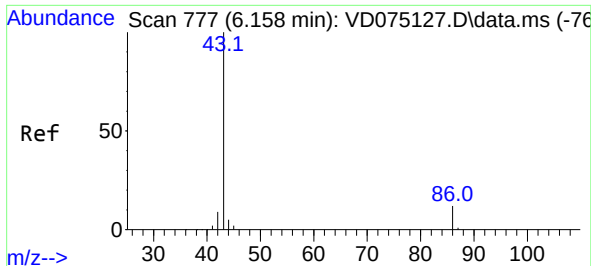
Tgt Ion: 96 Resp: 52422  
Ion Ratio Lower Upper  
96 100  
61 132.6 105.7 158.5  
98 62.3 50.4 75.6



#22  
Diisopropyl ether  
Concen: 55.357 ug/l  
RT: 6.216 min Scan# 787  
Delta R.T. -0.000 min  
Lab File: VD075144.D  
Acq: 19 Jan 2023 16:59

Tgt Ion: 45 Resp: 152244  
Ion Ratio Lower Upper  
45 100  
43 51.6 45.3 67.9  
87 25.4 22.1 33.1  
59 11.4 9.1 13.7

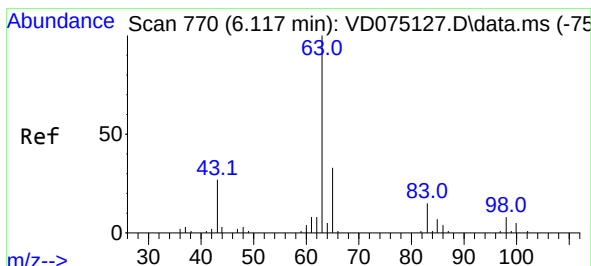
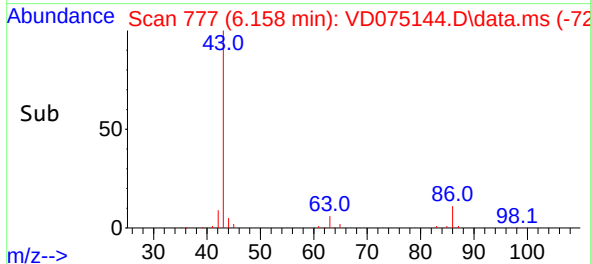
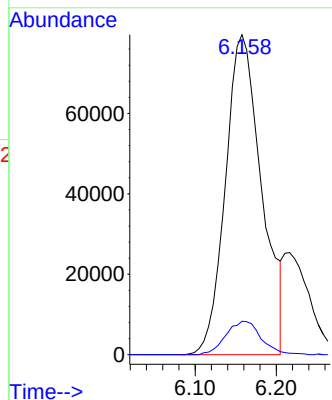
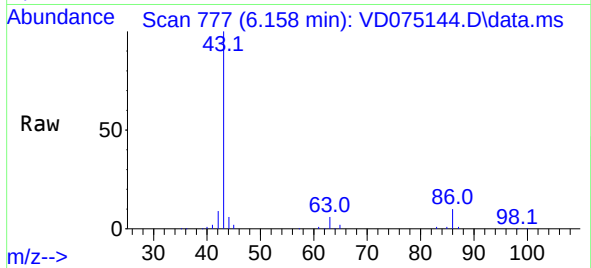




#23  
 Vinyl Acetate  
 Concen: 203.647 ug/l  
 RT: 6.158 min Scan# 71  
 Delta R.T. -0.000 min  
 Lab File: VD075144.D  
 Acq: 19 Jan 2023 16:59

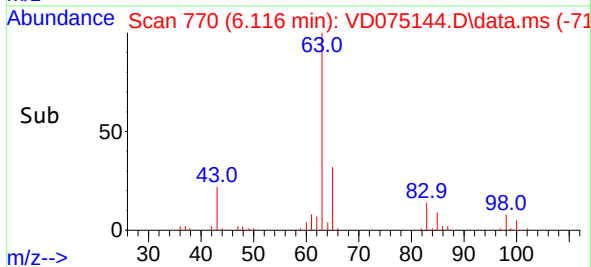
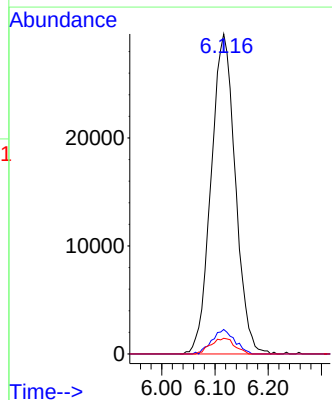
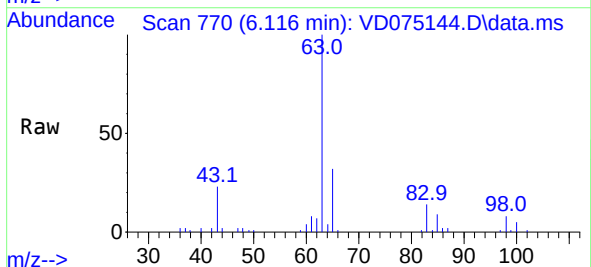
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

Tgt Ion: 43 Resp: 246844  
 Ion Ratio Lower Upper  
 43 100  
 86 10.5 9.3 13.9

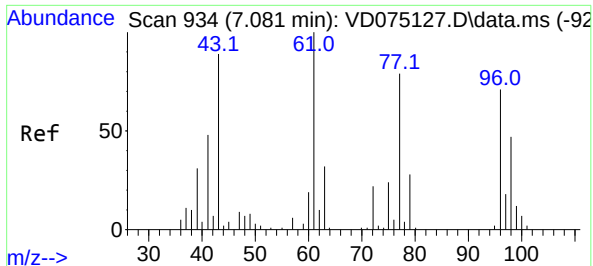


#24  
 1,1-Dichloroethane  
 Concen: 54.126 ug/l  
 RT: 6.116 min Scan# 770  
 Delta R.T. -0.000 min  
 Lab File: VD075144.D  
 Acq: 19 Jan 2023 16:59

Tgt Ion: 63 Resp: 93547  
 Ion Ratio Lower Upper  
 63 100  
 98 7.7 4.0 12.2  
 100 4.9 2.5 7.4







#25

2-Butanone

Concen: 270.237 ug/l

RT: 7.081 min Scan# 91

Delta R.T. -0.000 min

Lab File: VD075144.D

Acq: 19 Jan 2023 16:59

Instrument :

MSVOA\_D

ClientSampleId :

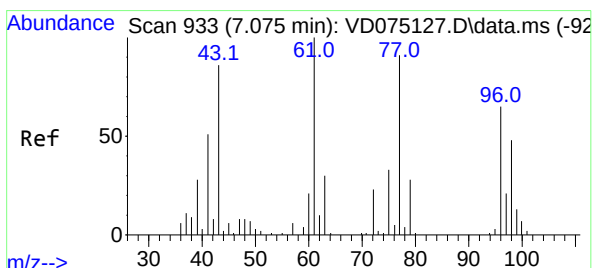
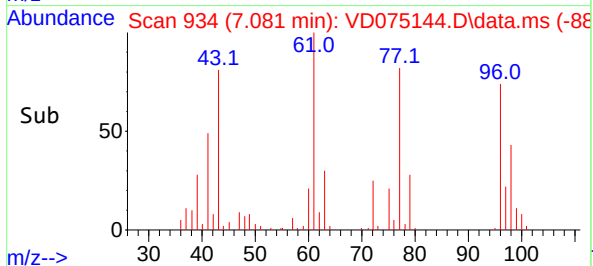
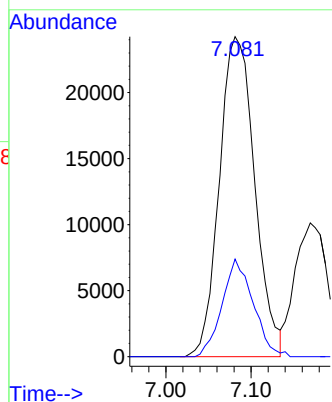
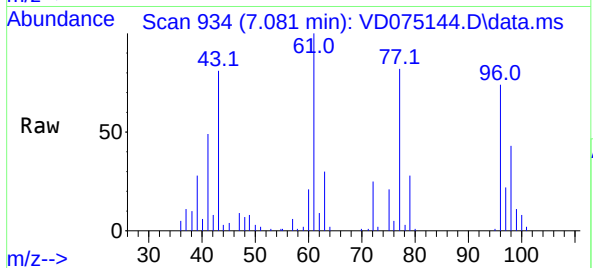
VSTDCCC050EC

Tgt Ion: 43 Resp: 69896

Ion Ratio Lower Upper

43 100

72 30.5 19.8 29.8#



#26

2,2-Dichloropropane

Concen: 49.010 ug/l

RT: 7.081 min Scan# 934

Delta R.T. 0.006 min

Lab File: VD075144.D

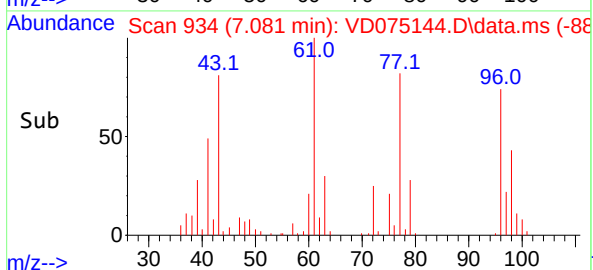
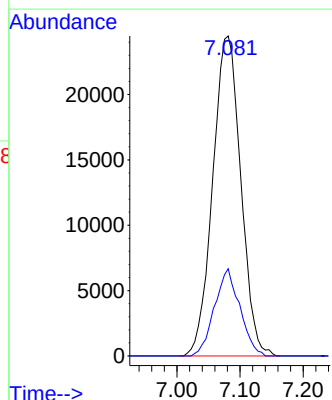
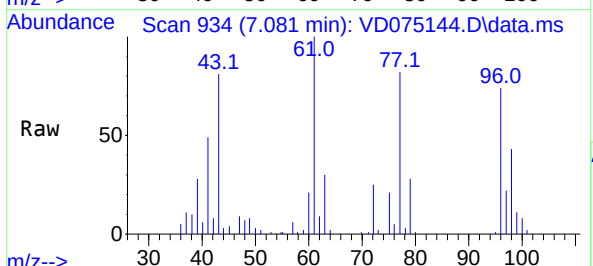
Acq: 19 Jan 2023 16:59

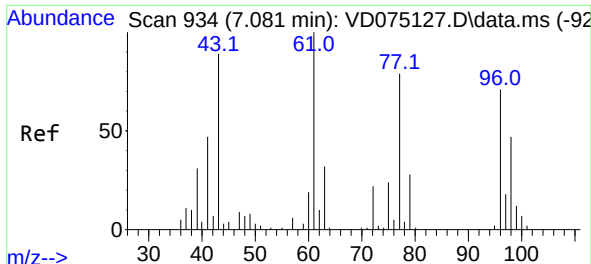
Tgt Ion: 77 Resp: 75509

Ion Ratio Lower Upper

77 100

97 24.7 12.0 36.0



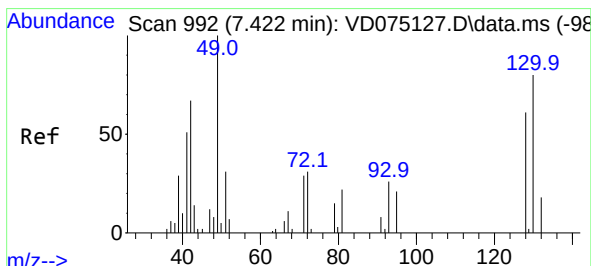
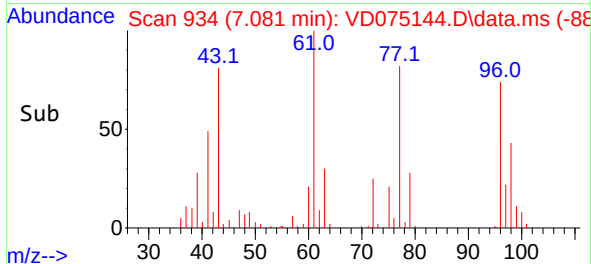
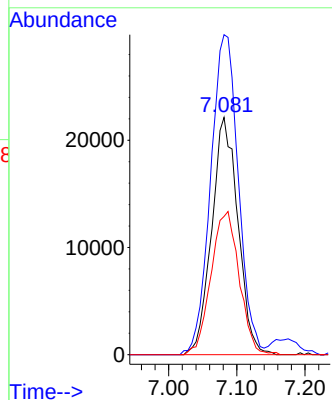
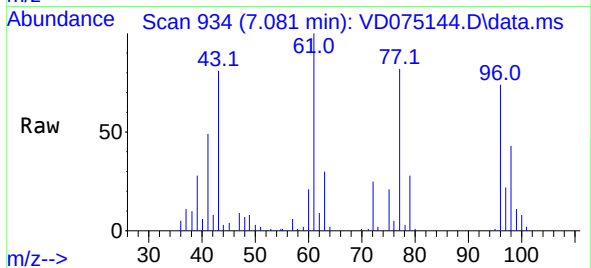


#27  
 cis-1,2-Dichloroethene  
 Concen: 53.714 ug/l  
 RT: 7.081 min Scan# 91  
 Delta R.T. -0.000 min  
 Lab File: VD075144.D  
 Acq: 19 Jan 2023 16:59

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

Tgt Ion: 96 Resp: 59346  

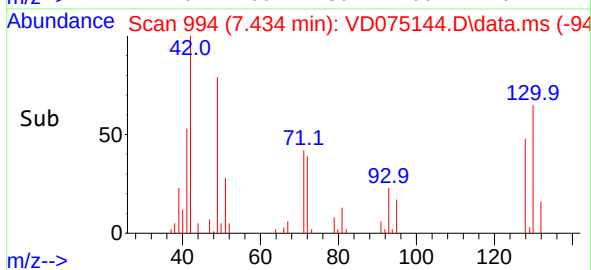
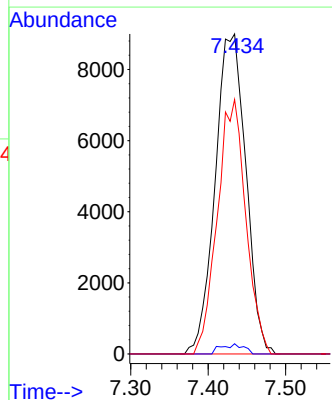
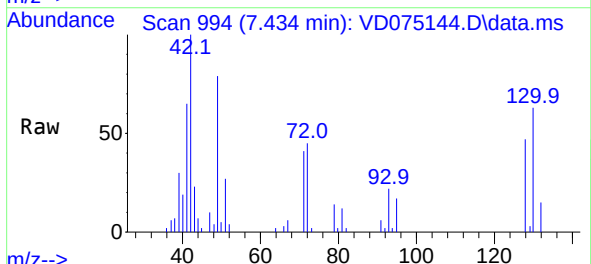
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 142.5 | 0.0   | 287.4 |
| 98  | 64.9  | 0.0   | 129.8 |

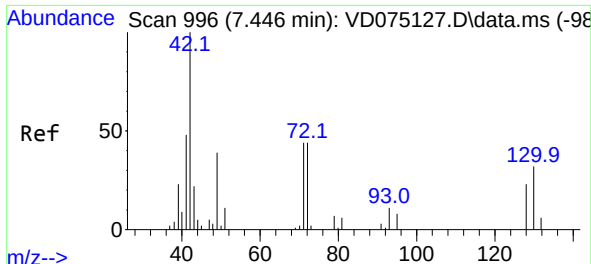


#28  
 Bromochloromethane  
 Concen: 52.619 ug/l  
 RT: 7.434 min Scan# 994  
 Delta R.T. 0.012 min  
 Lab File: VD075144.D  
 Acq: 19 Jan 2023 16:59

Tgt Ion: 49 Resp: 24830  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 49  | 100   |       |       |
| 129 | 2.3   | 0.0   | 2.6   |
| 130 | 73.6  | 63.6  | 95.4  |

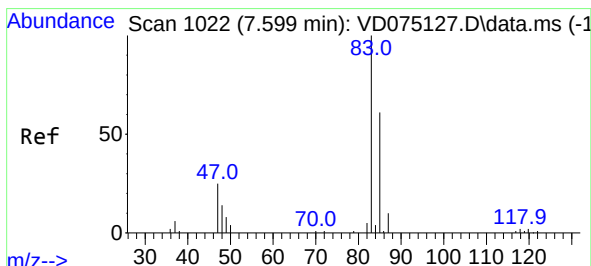
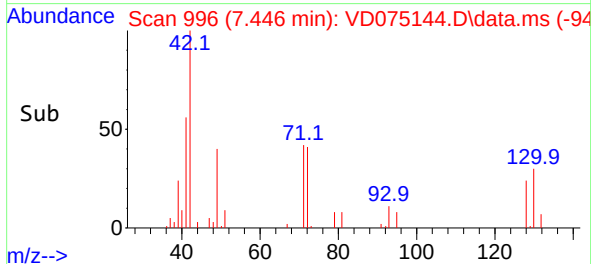
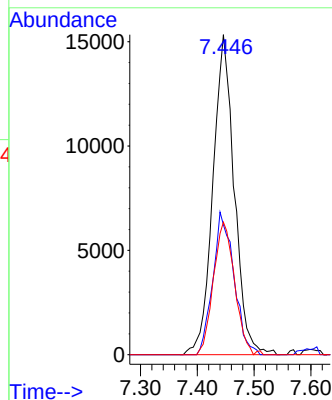
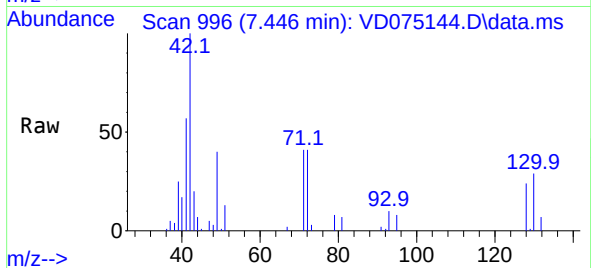




#29  
Tetrahydrofuran  
Concen: 271.837 ug/l  
RT: 7.446 min Scan# 996  
Delta R.T. -0.000 min  
Lab File: VD075144.D  
Acq: 19 Jan 2023 16:59

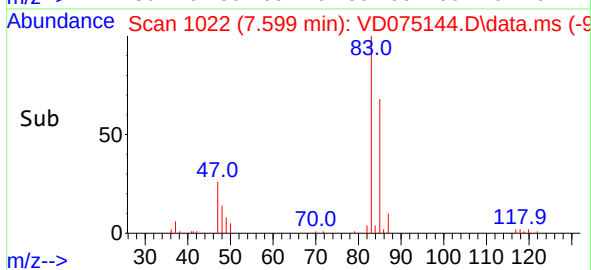
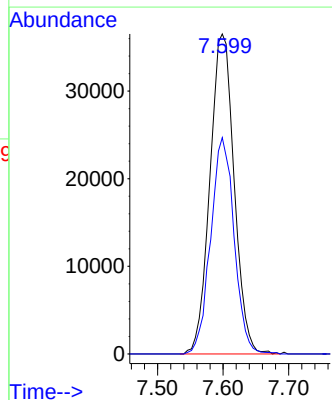
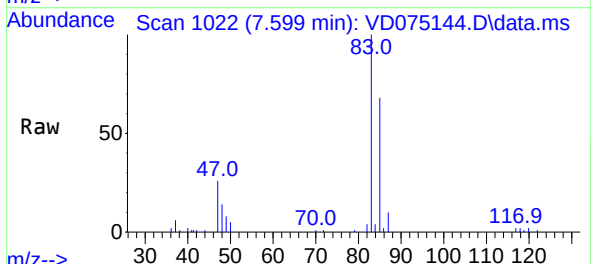
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

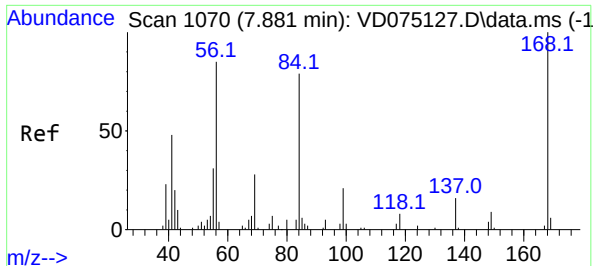
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 40102 |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 43.9  | 33.8  | 50.8  |
| 71       | 41.1  | 31.6  | 47.4  |



#30  
Chloroform  
Concen: 54.337 ug/l  
RT: 7.599 min Scan# 1022  
Delta R.T. -0.000 min  
Lab File: VD075144.D  
Acq: 19 Jan 2023 16:59

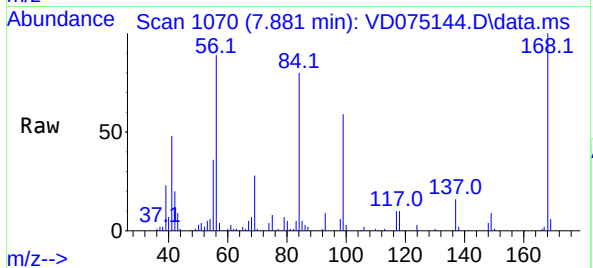
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 93649 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 67.6  | 48.5  | 72.7  |



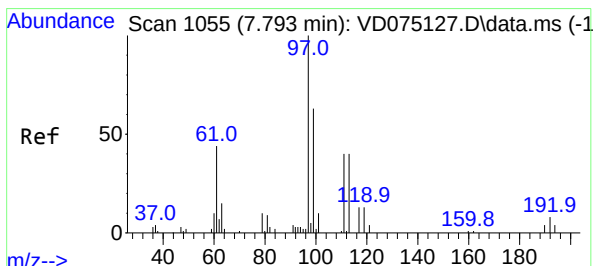
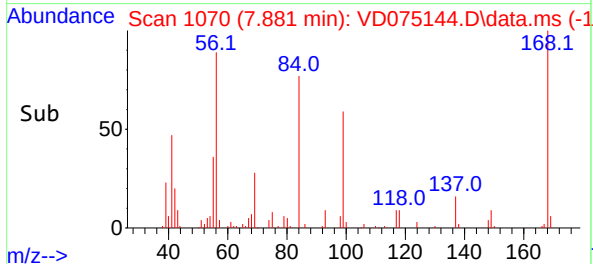
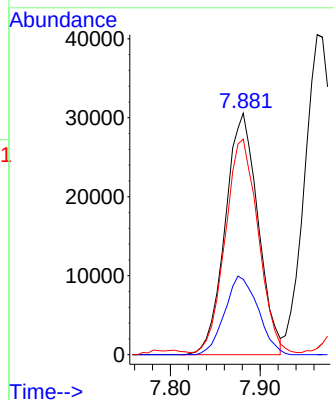


#31  
Cyclohexane  
Concen: 47.639 ug/l  
RT: 7.881 min Scan# 1070  
Delta R.T. -0.000 min  
Lab File: VD075144.D  
Acq: 19 Jan 2023 16:59

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

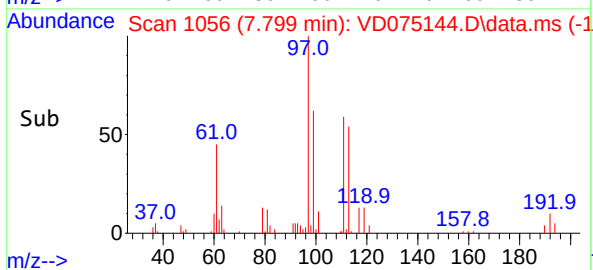
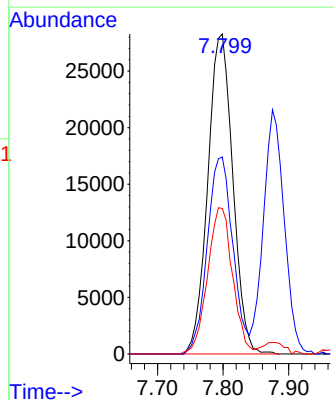
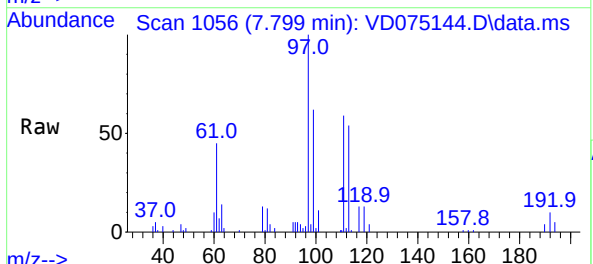


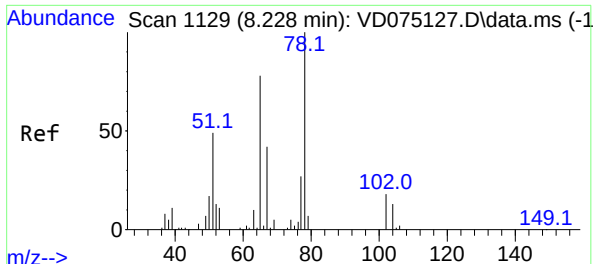
Tgt Ion: 56 Resp: 77524  
Ion Ratio Lower Upper  
56 100  
69 31.2 26.6 40.0  
84 87.9 74.1 111.1



#32  
1,1,1-Trichloroethane  
Concen: 50.504 ug/l  
RT: 7.799 min Scan# 1056  
Delta R.T. 0.006 min  
Lab File: VD075144.D  
Acq: 19 Jan 2023 16:59

Tgt Ion: 97 Resp: 74991  
Ion Ratio Lower Upper  
97 100  
99 63.0 51.7 77.5  
61 45.7 36.3 54.5

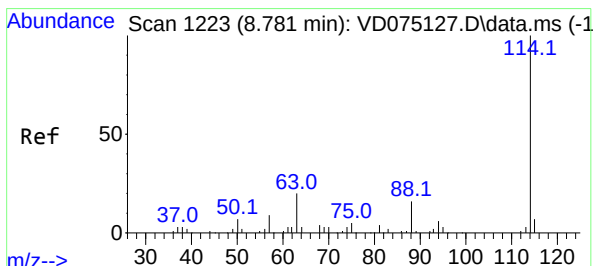
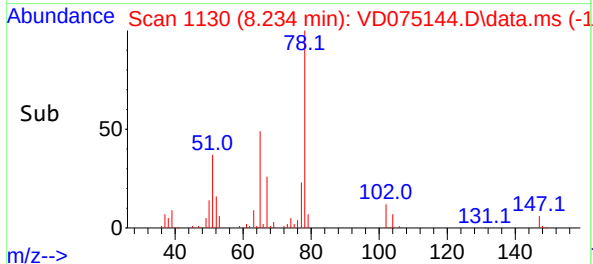
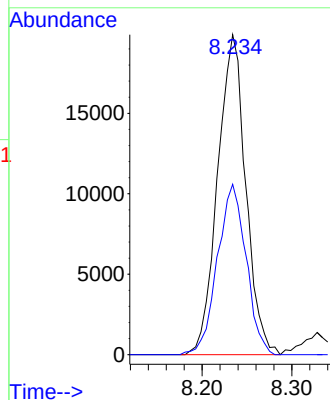
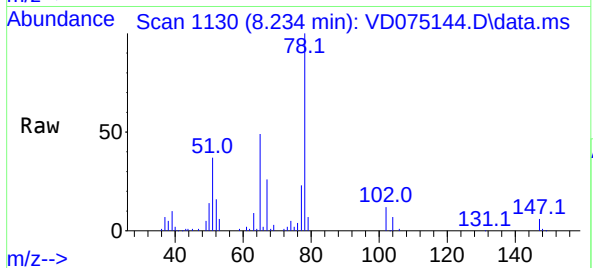




#33  
1,2-Dichloroethane-d4  
Concen: 53.268 ug/l  
RT: 8.234 min Scan# 1129  
Delta R.T. 0.006 min  
Lab File: VD075144.D  
Acq: 19 Jan 2023 16:59

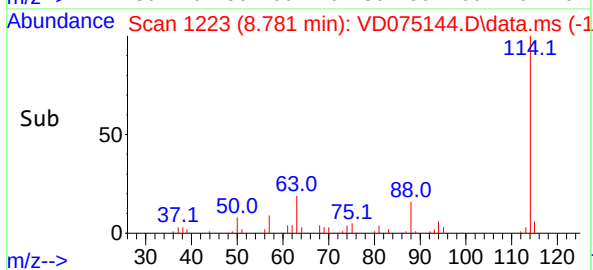
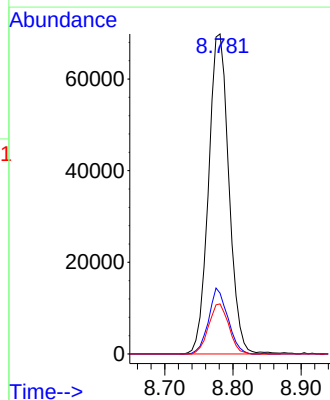
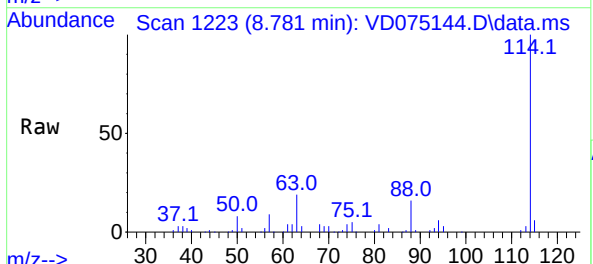
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

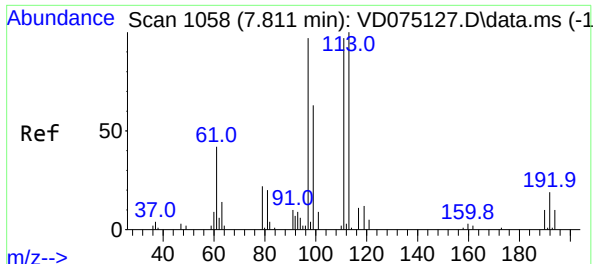
Tgt Ion: 65 Resp: 43222  
Ion Ratio Lower Upper  
65 100  
67 54.4 0.0 105.2



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.781 min Scan# 1223  
Delta R.T. -0.000 min  
Lab File: VD075144.D  
Acq: 19 Jan 2023 16:59

Tgt Ion: 114 Resp: 145098  
Ion Ratio Lower Upper  
114 100  
63 19.0 0.0 40.2  
88 15.6 0.0 32.2

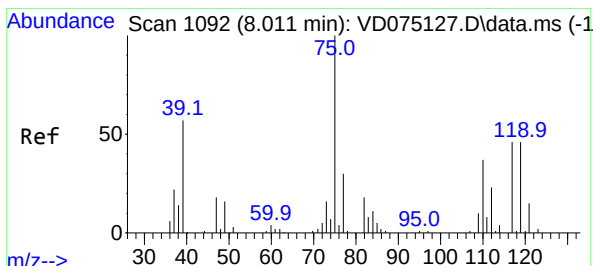
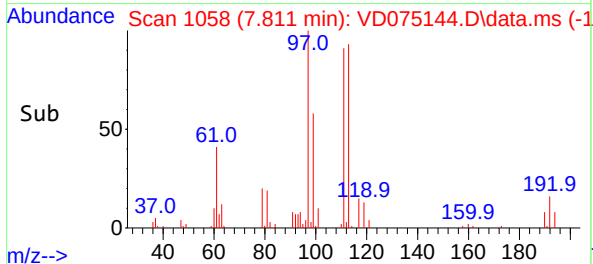
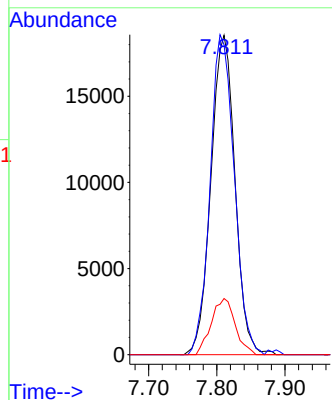
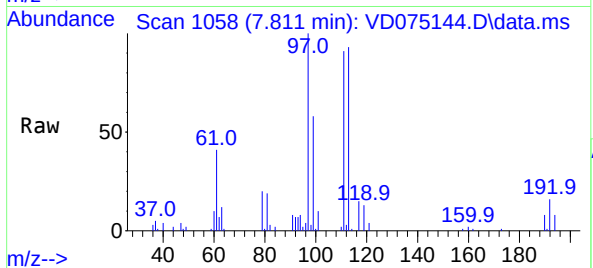




#35  
Dibromofluoromethane  
Concen: 51.921 ug/l  
RT: 7.811 min Scan# 1058  
Delta R.T. -0.000 min  
Lab File: VD075144.D  
Acq: 19 Jan 2023 16:59

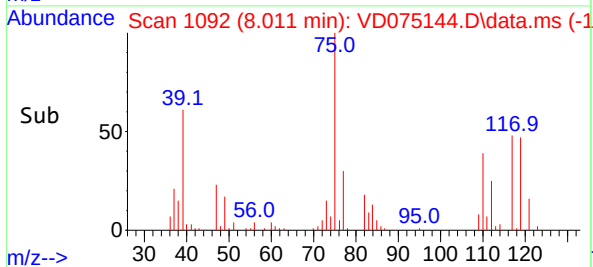
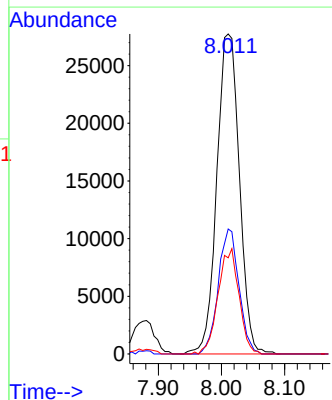
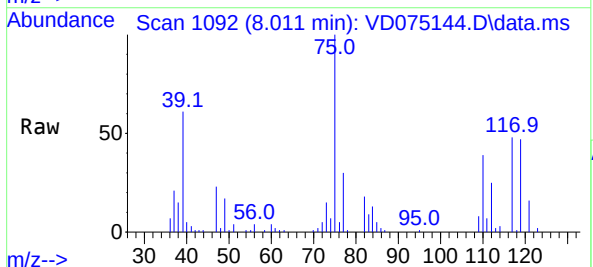
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

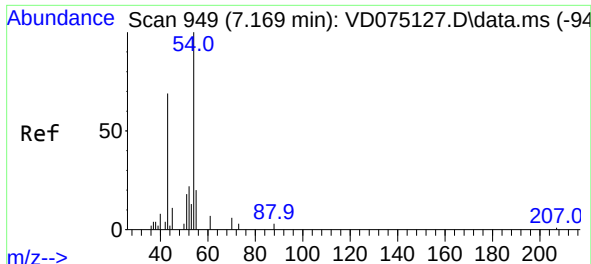
Tgt Ion:113 Resp: 45523  
Ion Ratio Lower Upper  
113 100  
111 100.6 80.1 120.1  
192 17.5 15.4 23.0



#36  
1,1-Dichloropropene  
Concen: 48.892 ug/l  
RT: 8.011 min Scan# 1092  
Delta R.T. -0.000 min  
Lab File: VD075144.D  
Acq: 19 Jan 2023 16:59

Tgt Ion: 75 Resp: 68875  
Ion Ratio Lower Upper  
75 100  
110 35.7 18.1 54.4  
77 30.5 25.1 37.7



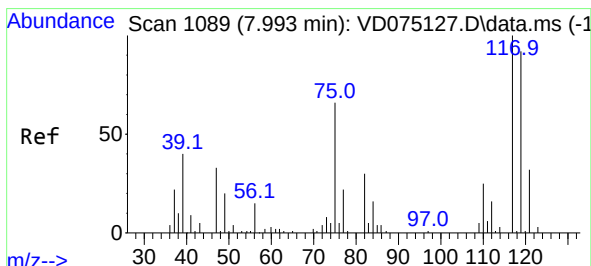
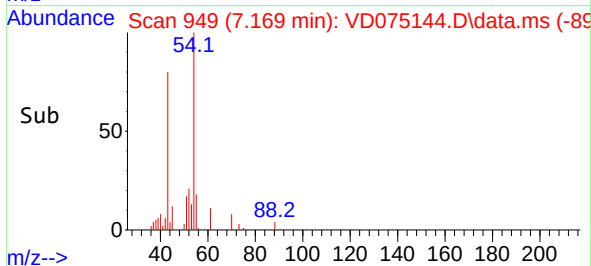
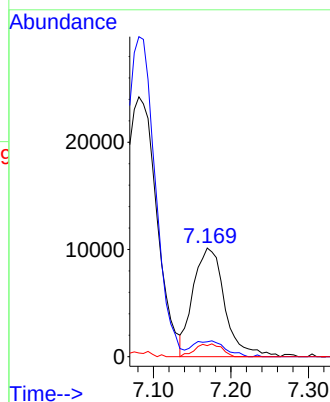
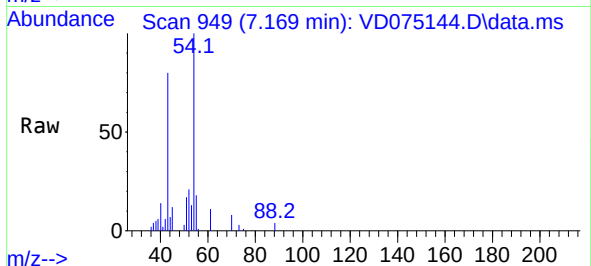


#37  
Ethyl Acetate  
Concen: 50.502 ug/l  
RT: 7.169 min Scan# 949  
Delta R.T. -0.000 min  
Lab File: VD075144.D  
Acq: 19 Jan 2023 16:59

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 43 Resp: 28662

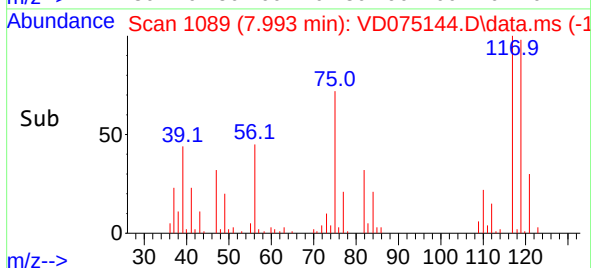
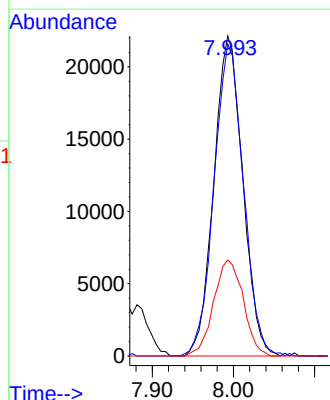
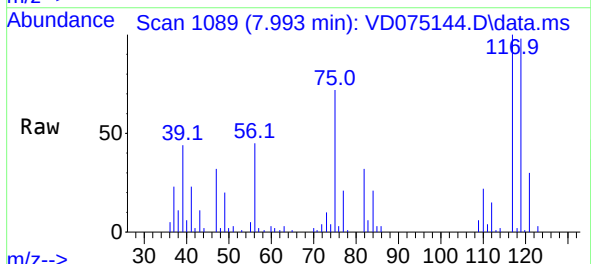
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 61  | 14.8  | 11.7  | 17.5  |
| 70  | 9.8   | 8.8   | 13.2  |

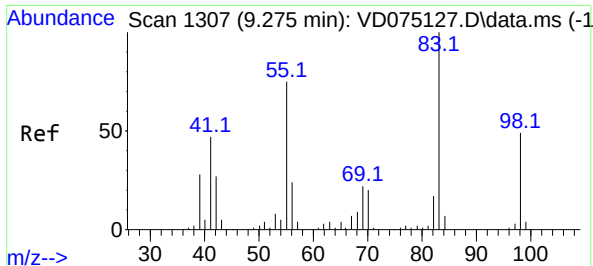


#38  
Carbon Tetrachloride  
Concen: 46.209 ug/l  
RT: 7.993 min Scan# 1089  
Delta R.T. -0.000 min  
Lab File: VD075144.D  
Acq: 19 Jan 2023 16:59

Tgt Ion: 117 Resp: 54808

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 119 | 97.5  | 73.6  | 110.4 |
| 121 | 30.0  | 25.4  | 38.0  |





#39

Methylcyclohexane

Concen: 47.484 ug/l

RT: 9.275 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VD075144.D

Acq: 19 Jan 2023 16:59

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

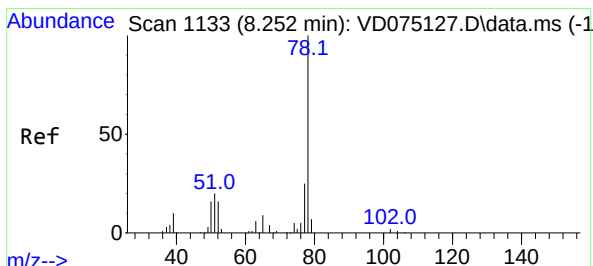
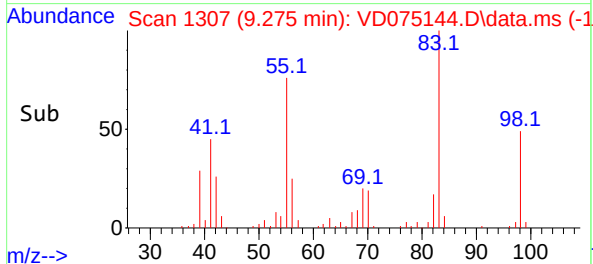
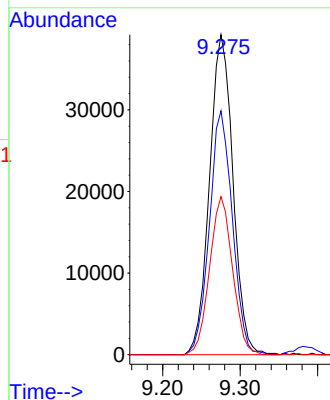
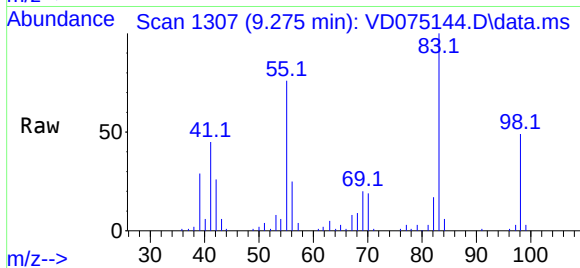
Tgt Ion: 83 Resp: 82434

Ion Ratio Lower Upper

83 100

55 76.2 60.0 90.0

98 49.4 39.0 58.4



#40

Benzene

Concen: 52.434 ug/l

RT: 8.252 min Scan# 1133

Delta R.T. -0.000 min

Lab File: VD075144.D

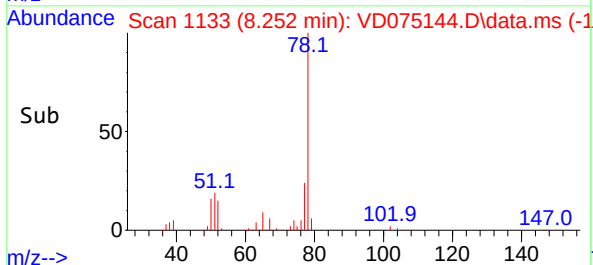
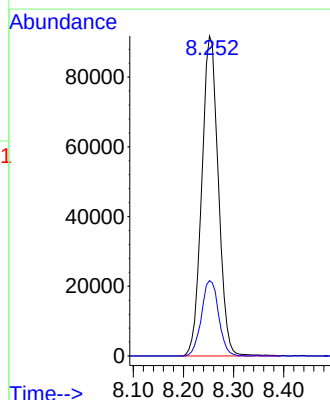
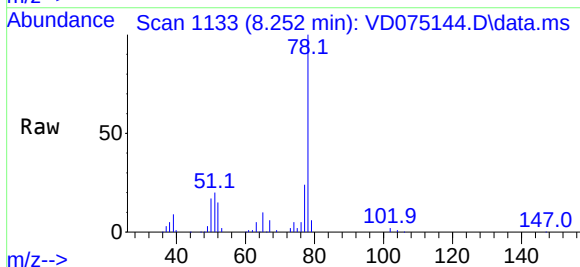
Acq: 19 Jan 2023 16:59

Tgt Ion: 78 Resp: 210648

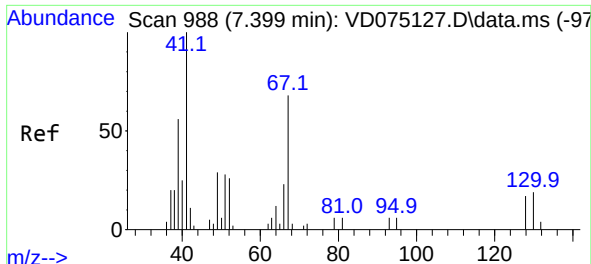
Ion Ratio Lower Upper

78 100

77 23.5 19.8 29.6





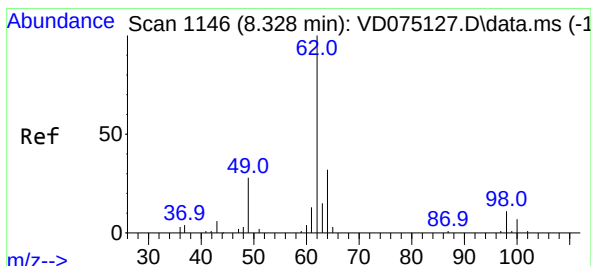
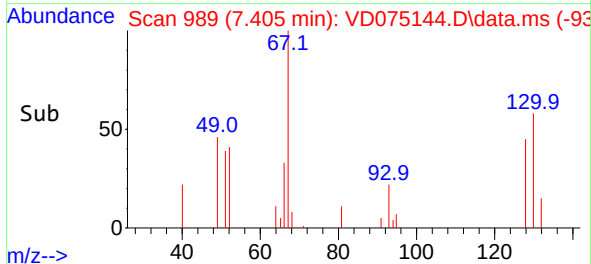
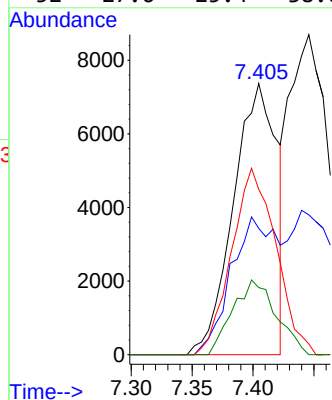
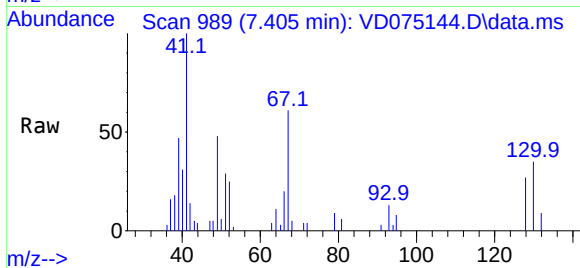


#41  
Methacrylonitrile  
Concen: 53.493 ug/l  
RT: 7.405 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VD075144.D  
Acq: 19 Jan 2023 16:59

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 41 Resp: 18268

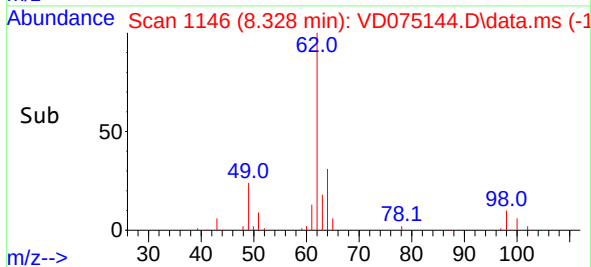
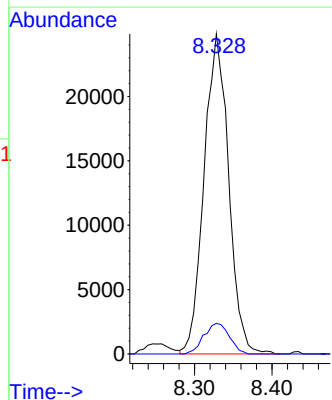
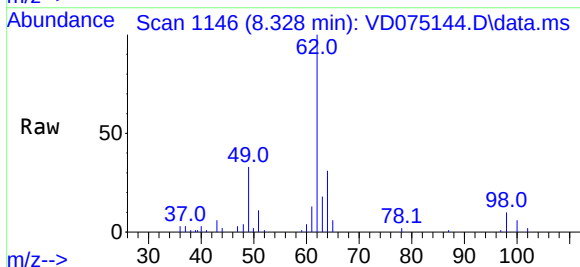
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 39  | 53.3  | 57.8  | 86.6# |
| 67  | 70.4  | 60.5  | 90.7  |
| 52  | 27.6  | 25.4  | 38.0  |

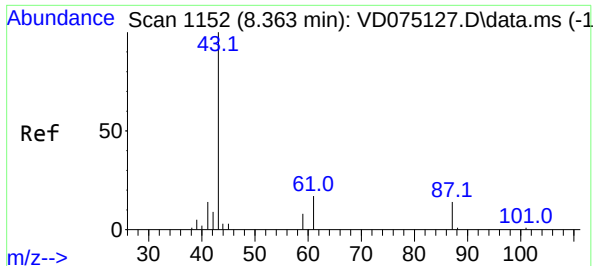


#42  
1,2-Dichloroethane  
Concen: 51.868 ug/l  
RT: 8.328 min Scan# 1146  
Delta R.T. -0.000 min  
Lab File: VD075144.D  
Acq: 19 Jan 2023 16:59

Tgt Ion: 62 Resp: 54735

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 62  | 100   |       |       |
| 98  | 9.9   | 0.0   | 19.2  |





#43

Isopropyl Acetate

Concen: 50.608 ug/l

RT: 8.363 min Scan# 1152

Delta R.T. -0.000 min

Lab File: VD075144.D

Acq: 19 Jan 2023 16:59

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

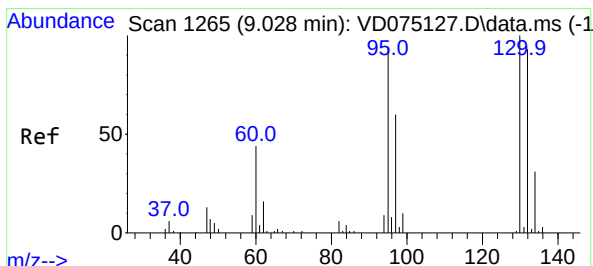
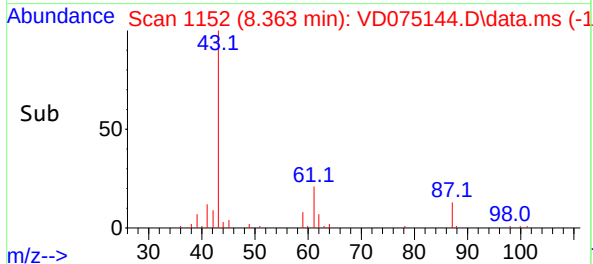
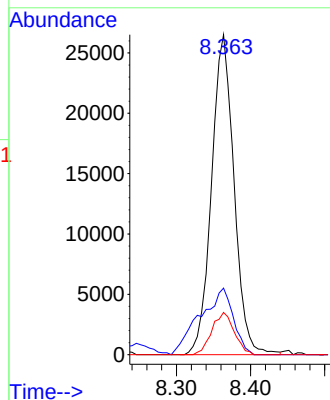
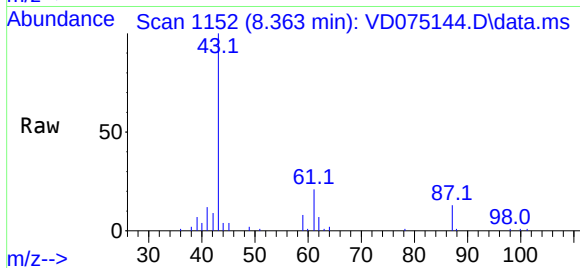
Tgt Ion: 43 Resp: 55893

Ion Ratio Lower Upper

43 100

61 30.8 25.0 37.6

87 13.2 10.6 16.0



#44

Trichloroethene

Concen: 48.494 ug/l

RT: 9.028 min Scan# 1265

Delta R.T. -0.000 min

Lab File: VD075144.D

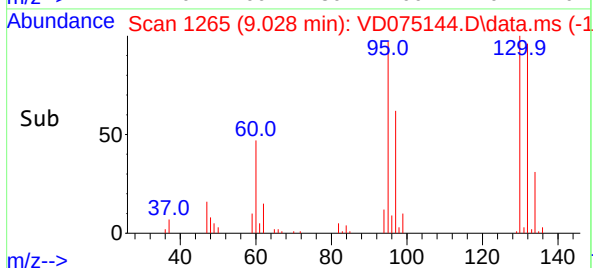
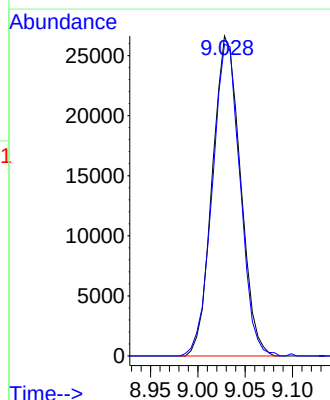
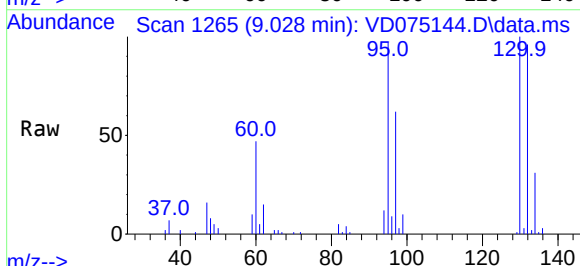
Acq: 19 Jan 2023 16:59

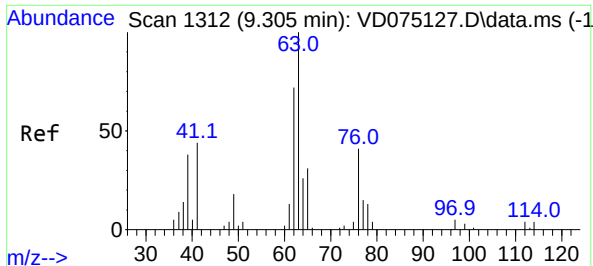
Tgt Ion:130 Resp: 54784

Ion Ratio Lower Upper

130 100

95 97.4 0.0 188.6





#45

1,2-Dichloropropane

Concen: 52.937 ug/l

RT: 9.310 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD075144.D

Acq: 19 Jan 2023 16:59

Instrument :

MSVOA\_D

ClientSampleId :

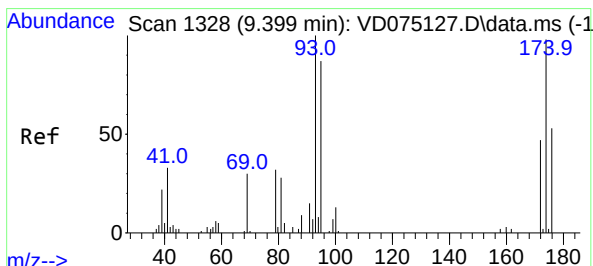
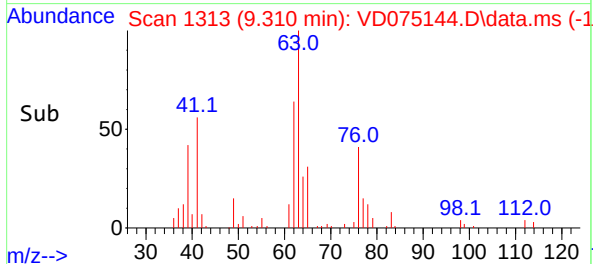
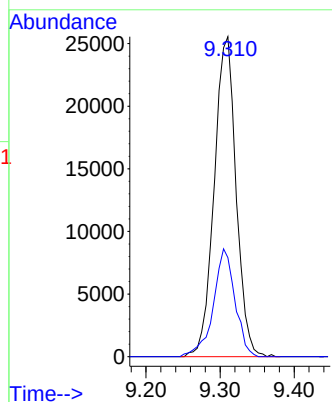
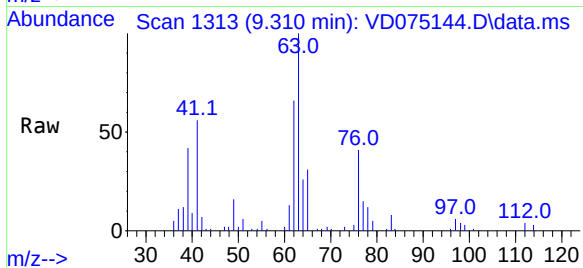
VSTDCCC050EC

Tgt Ion: 63 Resp: 52387

Ion Ratio Lower Upper

63 100

65 31.0 25.1 37.7



#46

Dibromomethane

Concen: 51.339 ug/l

RT: 9.399 min Scan# 1328

Delta R.T. -0.000 min

Lab File: VD075144.D

Acq: 19 Jan 2023 16:59

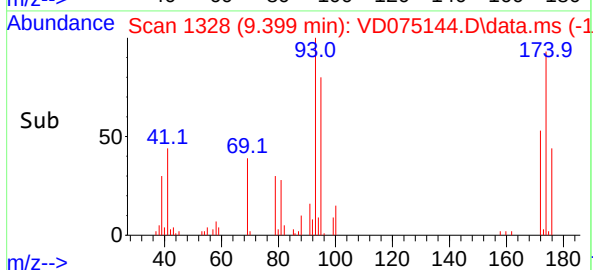
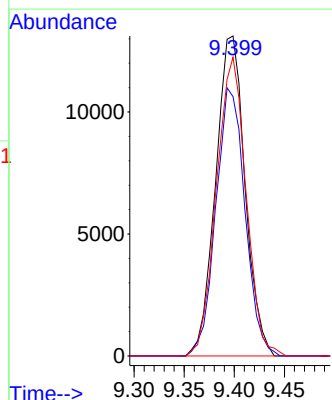
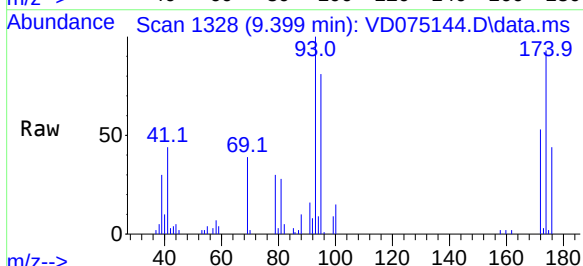
Tgt Ion: 93 Resp: 26794

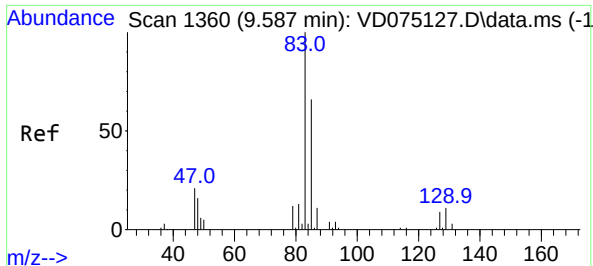
Ion Ratio Lower Upper

93 100

95 82.9 68.3 102.5

174 93.7 77.4 116.0

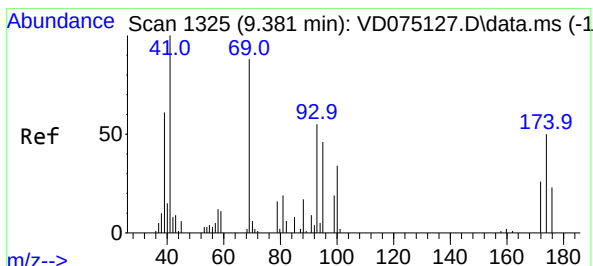
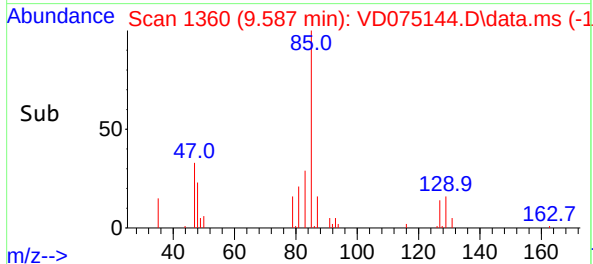
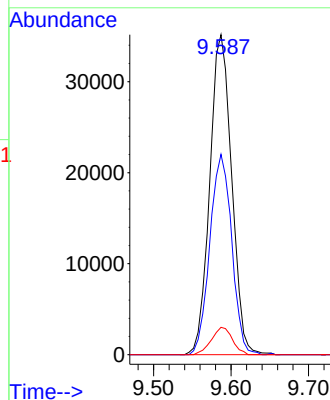
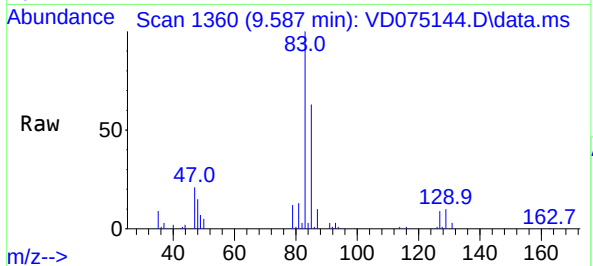




#47  
Bromodichloromethane  
Concen: 53.316 ug/l  
RT: 9.587 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD075144.D  
Acq: 19 Jan 2023 16:59

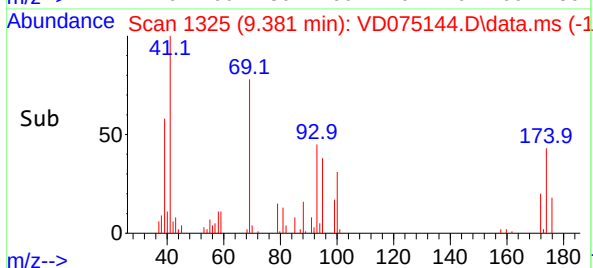
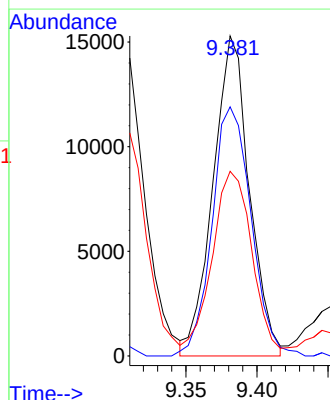
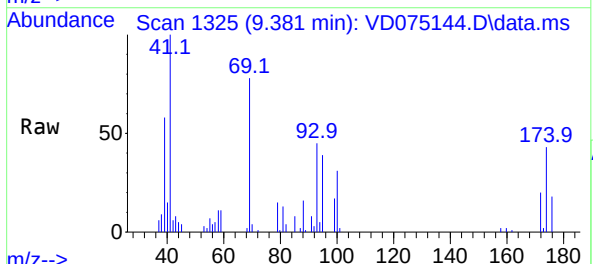
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

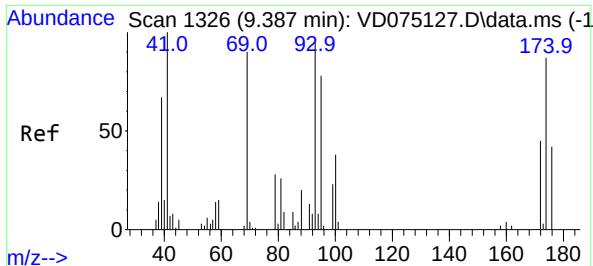
|             |             |
|-------------|-------------|
| Tgt Ion: 83 | Resp: 69033 |
| Ion Ratio   | Lower Upper |
| 83 100      |             |
| 85 62.6     | 53.0 79.4   |
| 127 8.6     | 7.0 10.4    |



#48  
Methyl methacrylate  
Concen: 50.389 ug/l  
RT: 9.381 min Scan# 1325  
Delta R.T. -0.000 min  
Lab File: VD075144.D  
Acq: 19 Jan 2023 16:59

|             |             |
|-------------|-------------|
| Tgt Ion: 41 | Resp: 27214 |
| Ion Ratio   | Lower Upper |
| 41 100      |             |
| 69 83.7     | 67.8 101.6  |
| 39 64.0     | 46.0 69.0   |





#49

1,4-Dioxane

Concen: 979.842 ug/l

RT: 9.381 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD075144.D

Acq: 19 Jan 2023 16:59

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

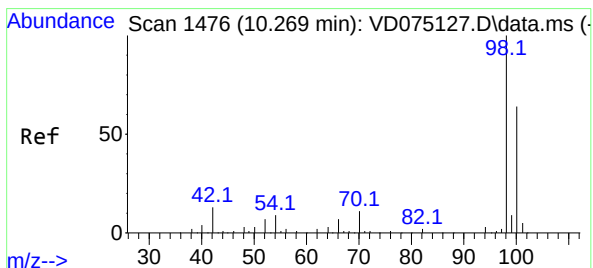
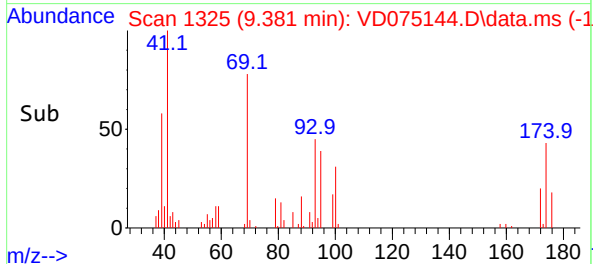
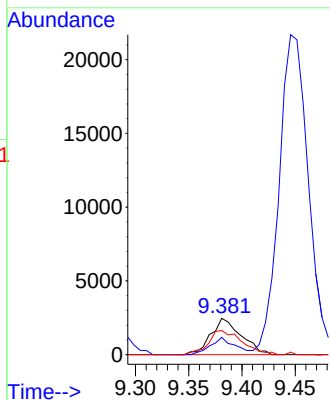
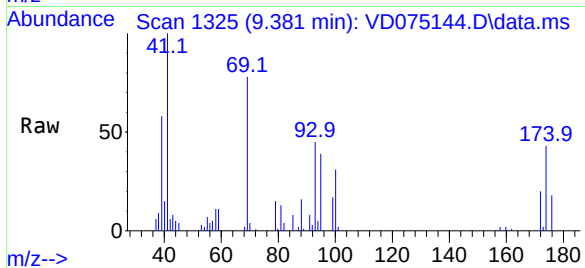
Tgt Ion: 88 Resp: 4882

Ion Ratio Lower Upper

88 100

43 39.6 35.6 53.4

58 73.5 57.4 86.2



#50

Toluene-d8

Concen: 52.073 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VD075144.D

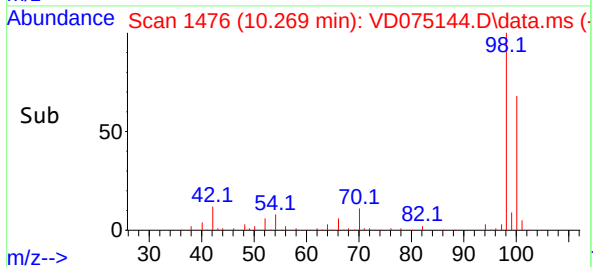
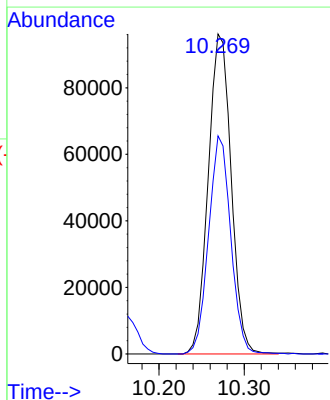
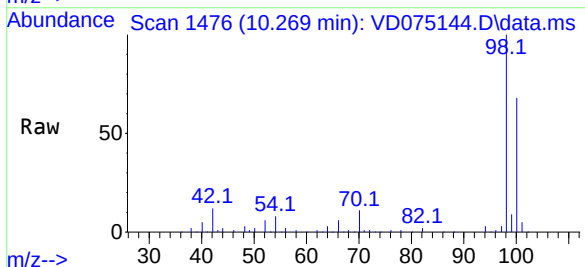
Acq: 19 Jan 2023 16:59

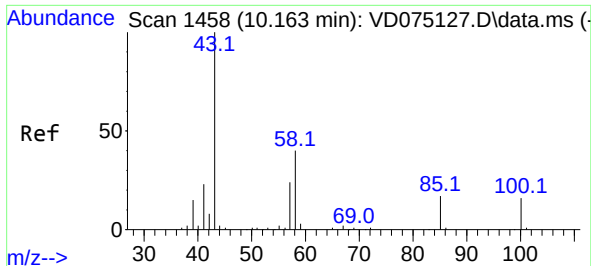
Tgt Ion: 98 Resp: 179768

Ion Ratio Lower Upper

98 100

100 65.8 52.7 79.1

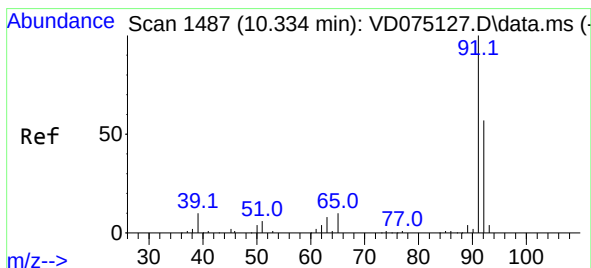
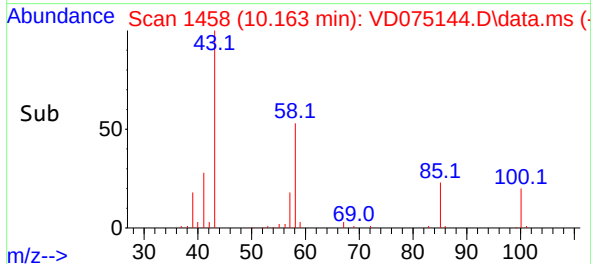
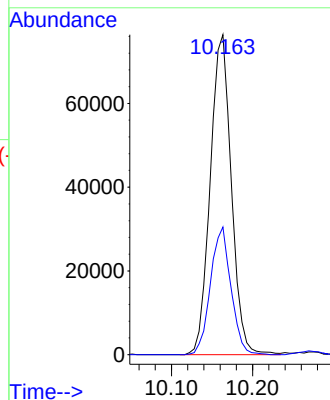
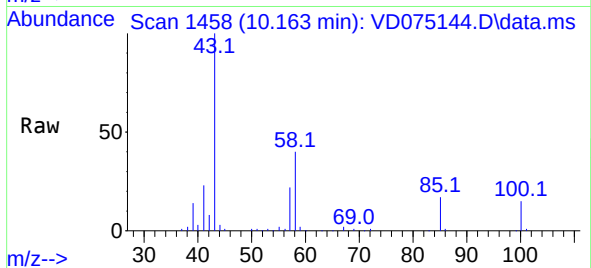




#51  
4-Methyl-2-Pentanone  
Concen: 260.240 ug/l  
RT: 10.163 min Scan# 1458  
Delta R.T. -0.000 min  
Lab File: VD075144.D  
Acq: 19 Jan 2023 16:59

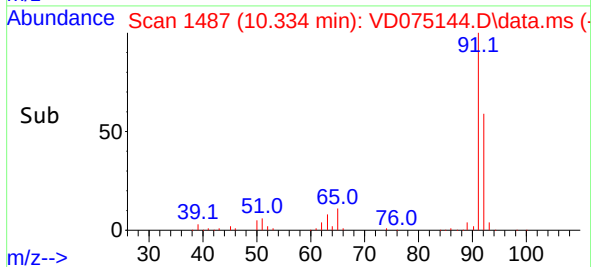
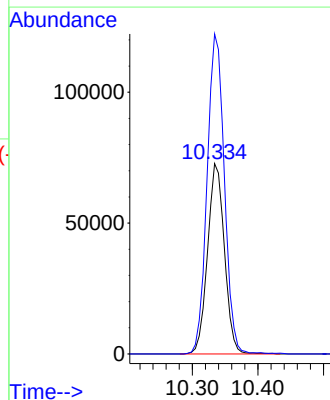
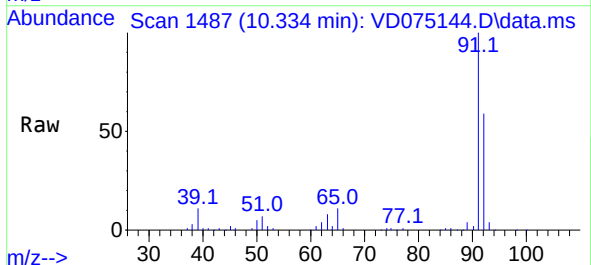
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

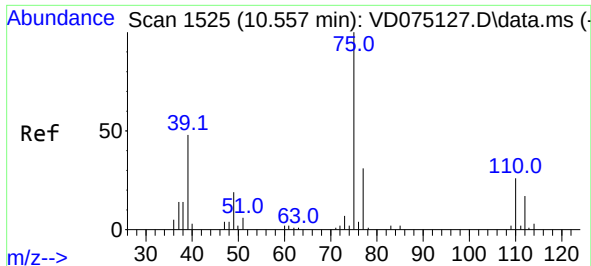
Tgt Ion: 43 Resp: 138022  
Ion Ratio Lower Upper  
43 100  
58 38.7 31.4 47.0



#52  
Toluene  
Concen: 51.340 ug/l  
RT: 10.334 min Scan# 1487  
Delta R.T. -0.000 min  
Lab File: VD075144.D  
Acq: 19 Jan 2023 16:59

Tgt Ion: 92 Resp: 130339  
Ion Ratio Lower Upper  
92 100  
91 171.8 137.0 205.4

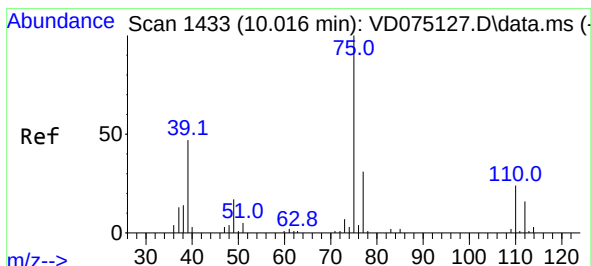
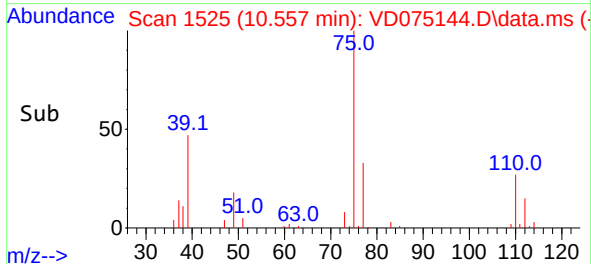
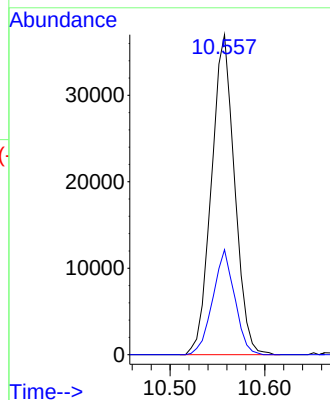
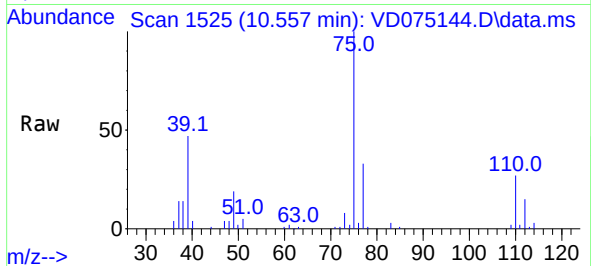




#53  
t-1,3-Dichloropropene  
Concen: 51.401 ug/l  
RT: 10.557 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD075144.D  
Acq: 19 Jan 2023 16:59

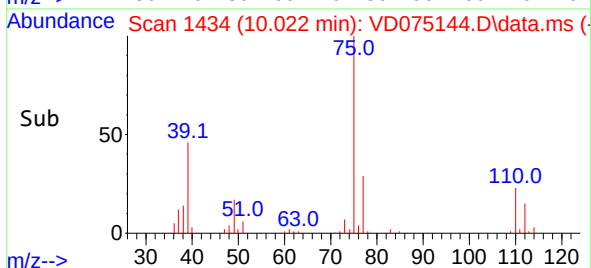
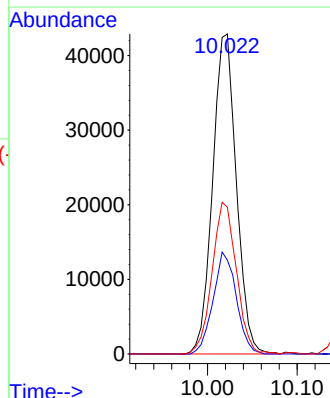
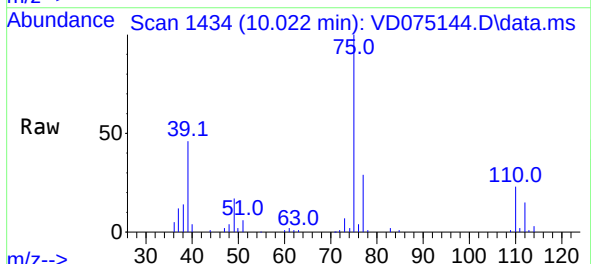
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

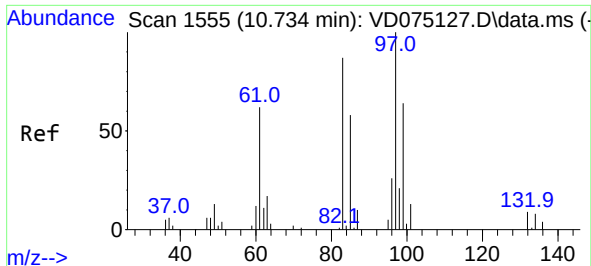
Tgt Ion: 75 Resp: 62965  
Ion Ratio Lower Upper  
75 100  
77 32.8 25.0 37.6



#54  
cis-1,3-Dichloropropene  
Concen: 52.543 ug/l  
RT: 10.022 min Scan# 1434  
Delta R.T. 0.006 min  
Lab File: VD075144.D  
Acq: 19 Jan 2023 16:59

Tgt Ion: 75 Resp: 78635  
Ion Ratio Lower Upper  
75 100  
77 29.3 25.1 37.7  
39 45.8 37.9 56.9



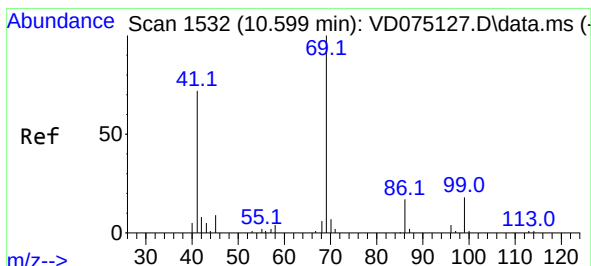
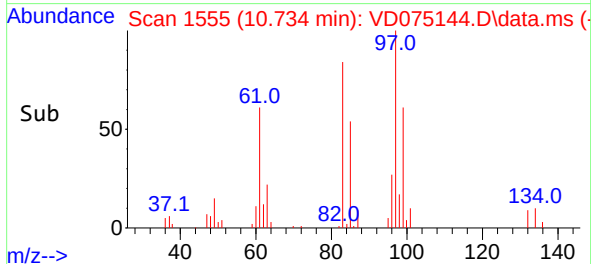
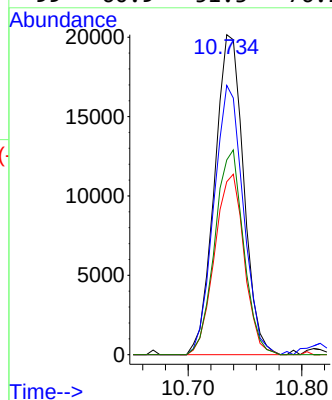
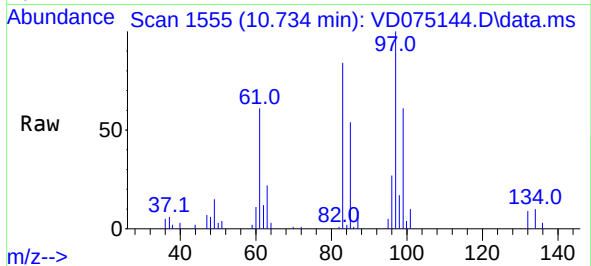


#55  
1,1,2-Trichloroethane  
Concen: 51.834 ug/l  
RT: 10.734 min Scan# 1555  
Delta R.T. -0.000 min  
Lab File: VD075144.D  
Acq: 19 Jan 2023 16:59

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 97 Resp: 35801

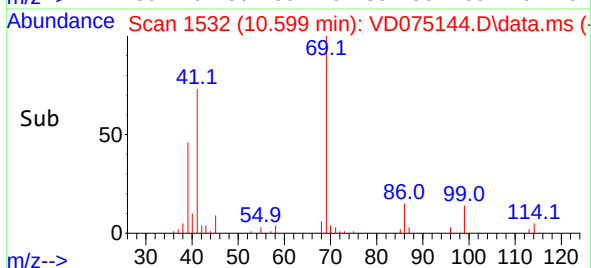
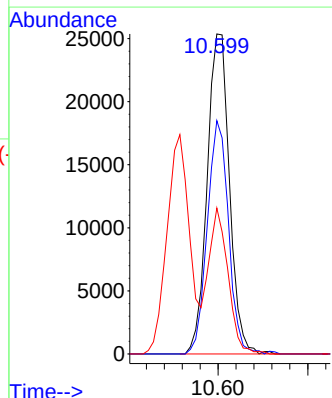
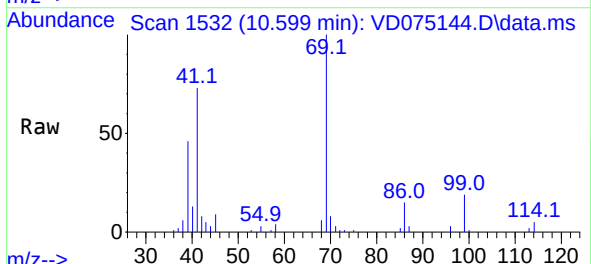
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 84.2  | 69.4  | 104.0 |
| 85  | 54.1  | 46.0  | 69.0  |
| 99  | 60.9  | 51.3  | 76.9  |



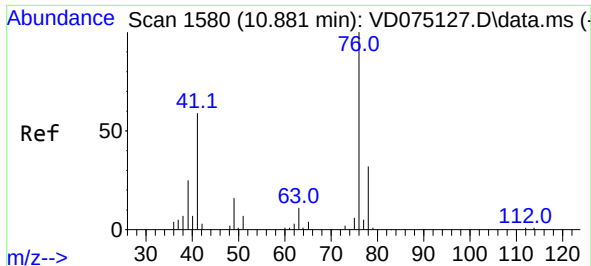
#56  
Ethyl methacrylate  
Concen: 52.641 ug/l  
RT: 10.599 min Scan# 1532  
Delta R.T. -0.000 min  
Lab File: VD075144.D  
Acq: 19 Jan 2023 16:59

Tgt Ion: 69 Resp: 43724

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 69.4  | 55.7  | 83.5  |
| 39  | 39.7  | 31.4  | 47.0  |







#57

1,3-Dichloropropane

Concen: 53.954 ug/l

RT: 10.887 min Scan# 1580

Delta R.T. 0.006 min

Lab File: VD075144.D

Acq: 19 Jan 2023 16:59

Instrument :

MSVOA\_D

ClientSampleId :

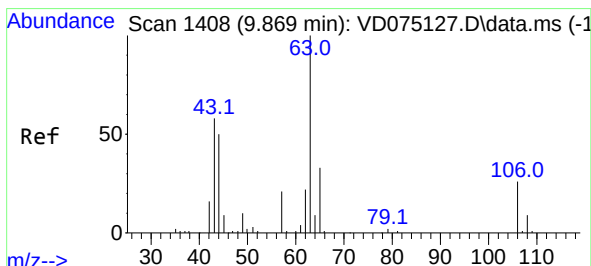
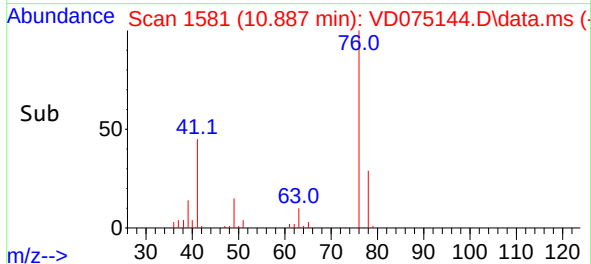
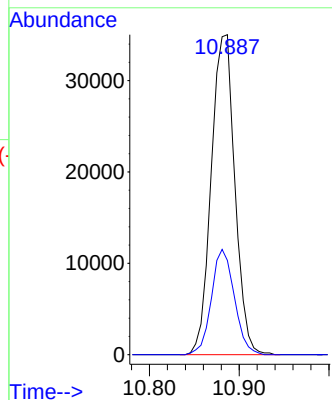
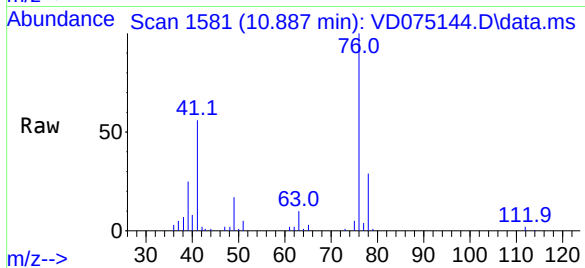
VSTDCCC050EC

Tgt Ion: 76 Resp: 64035

Ion Ratio Lower Upper

76 100

78 31.9 26.2 39.2



#58

2-Chloroethyl Vinyl ether

Concen: 248.501 ug/l

RT: 9.869 min Scan# 1408

Delta R.T. -0.000 min

Lab File: VD075144.D

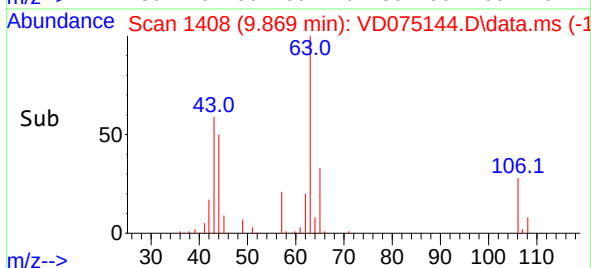
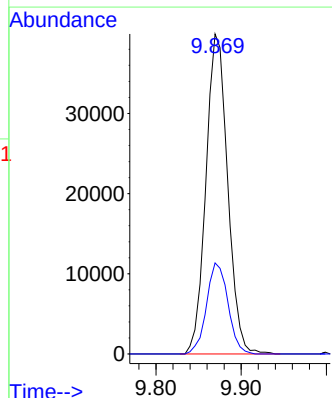
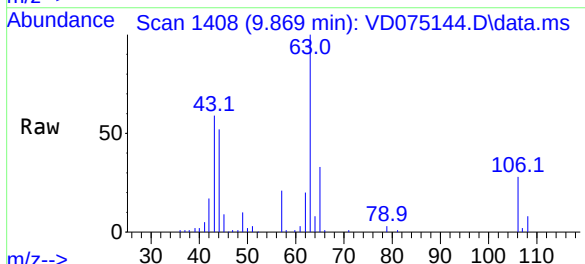
Acq: 19 Jan 2023 16:59

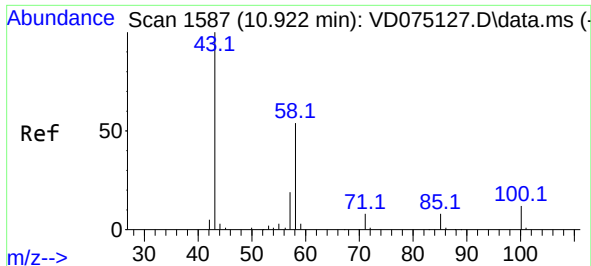
Tgt Ion: 63 Resp: 70629

Ion Ratio Lower Upper

63 100

106 28.1 22.6 33.8

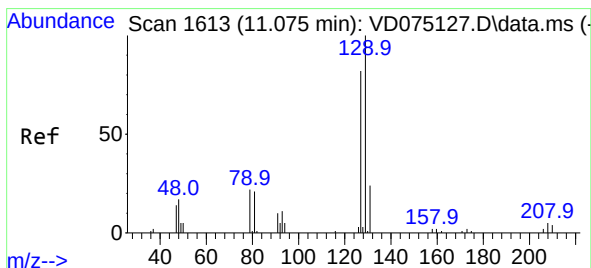
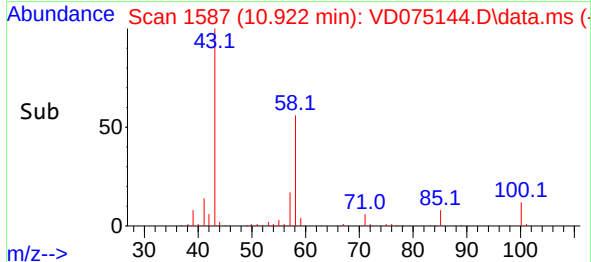
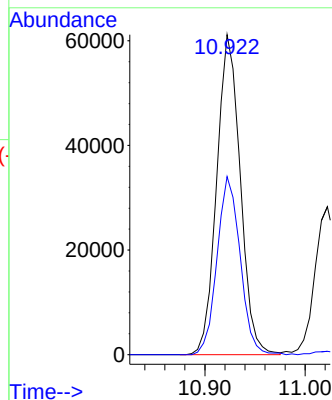
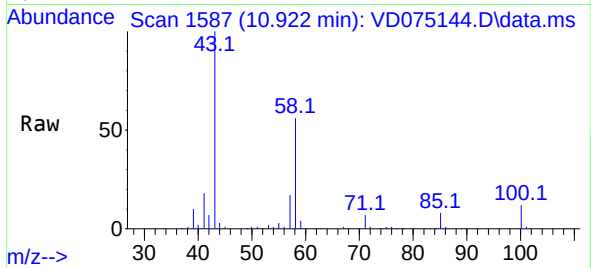




#59  
2-Hexanone  
Concen: 260.486 ug/l  
RT: 10.922 min Scan# 1587  
Delta R.T. -0.000 min  
Lab File: VD075144.D  
Acq: 19 Jan 2023 16:59

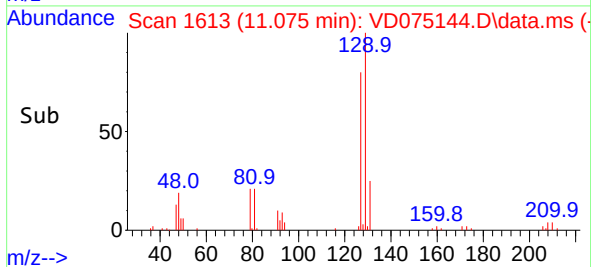
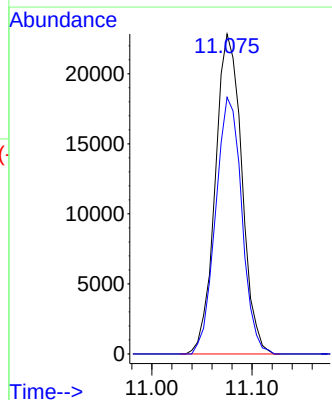
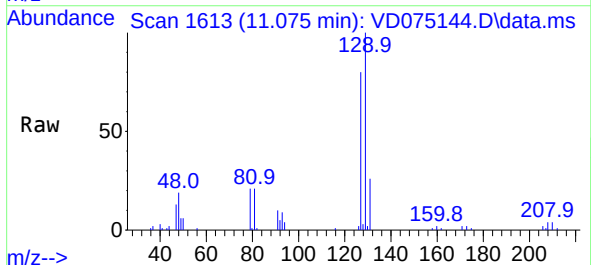
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

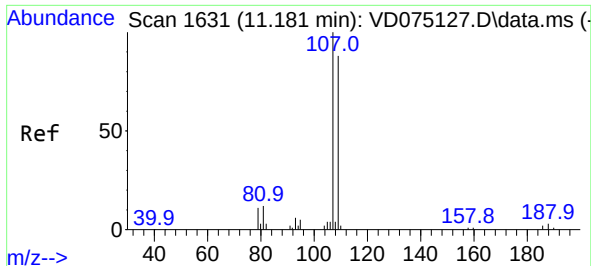
Tgt Ion: 43 Resp: 99892  
Ion Ratio Lower Upper  
43 100  
58 54.5 26.8 80.4



#60  
Dibromochloromethane  
Concen: 50.421 ug/l  
RT: 11.075 min Scan# 1613  
Delta R.T. -0.000 min  
Lab File: VD075144.D  
Acq: 19 Jan 2023 16:59

Tgt Ion: 129 Resp: 41975  
Ion Ratio Lower Upper  
129 100  
127 79.3 38.9 116.6

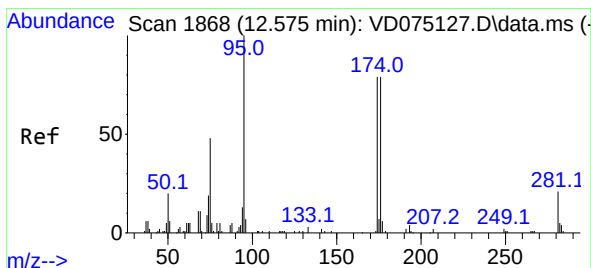
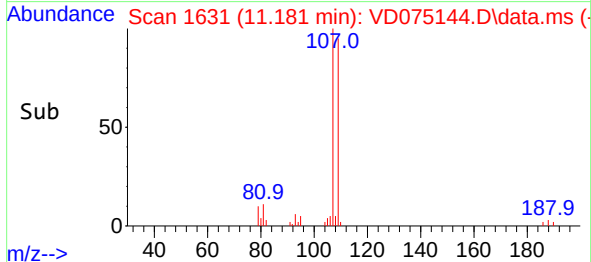
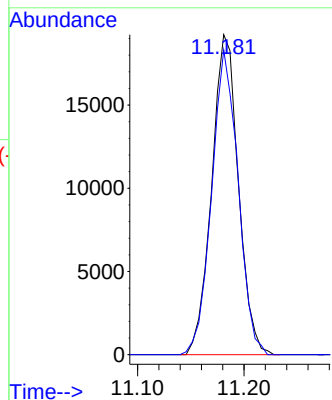
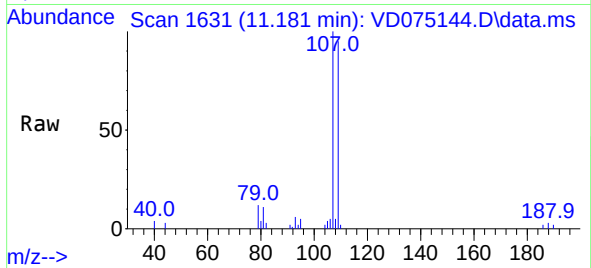




#61  
1,2-Dibromoethane  
Concen: 50.695 ug/l  
RT: 11.181 min Scan# 1631  
Delta R.T. -0.000 min  
Lab File: VD075144.D  
Acq: 19 Jan 2023 16:59

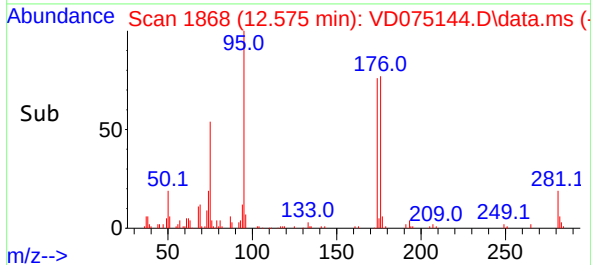
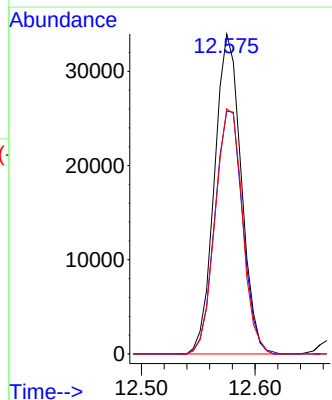
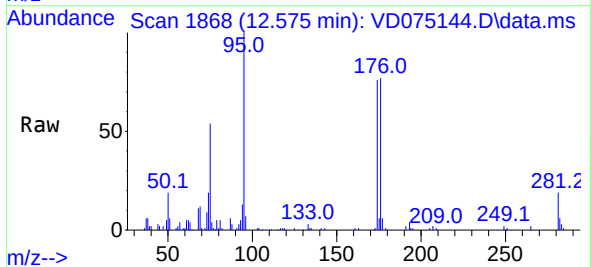
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

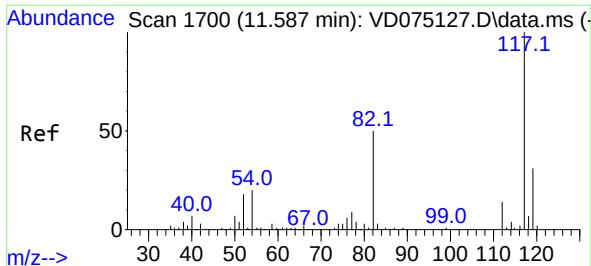
Tgt Ion:107 Resp: 33454  
Ion Ratio Lower Upper  
107 100  
109 94.4 75.2 112.8



#62  
4-Bromofluorobenzene  
Concen: 50.541 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. -0.000 min  
Lab File: VD075144.D  
Acq: 19 Jan 2023 16:59

Tgt Ion: 95 Resp: 55374  
Ion Ratio Lower Upper  
95 100  
174 79.5 0.0 161.2  
176 78.4 0.0 160.2

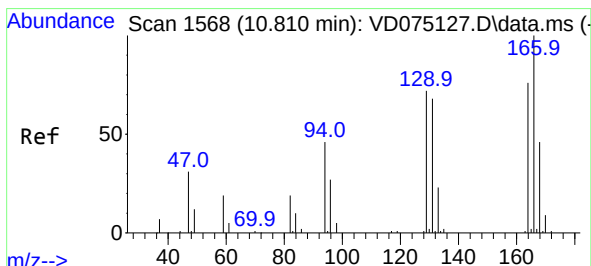
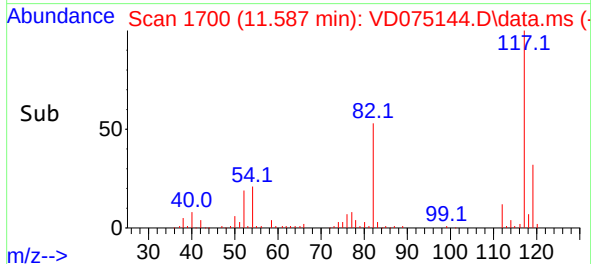
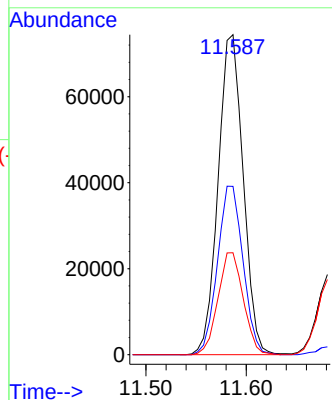
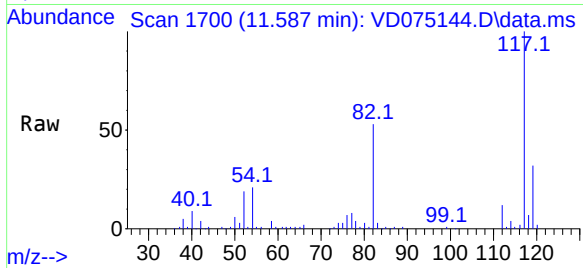




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.587 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD075144.D  
Acq: 19 Jan 2023 16:59

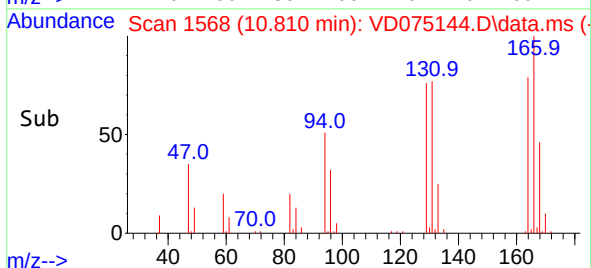
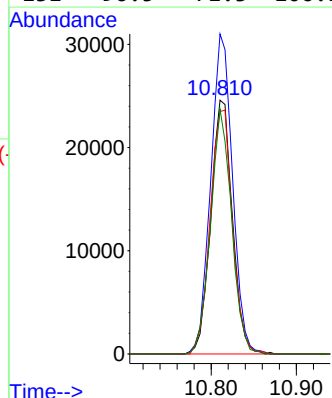
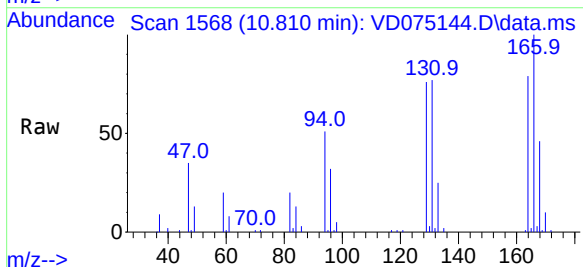
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

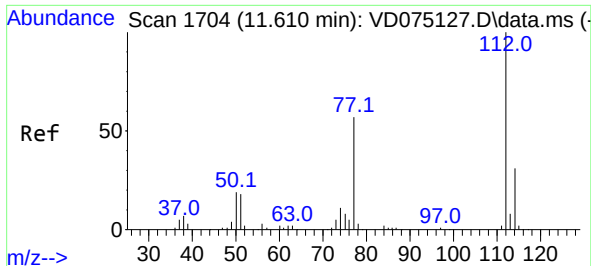
Tgt Ion:117 Resp: 129019  
Ion Ratio Lower Upper  
117 100  
82 52.6 39.6 59.4  
119 31.9 24.6 37.0



#64  
Tetrachloroethene  
Concen: 47.082 ug/l  
RT: 10.810 min Scan# 1568  
Delta R.T. -0.000 min  
Lab File: VD075144.D  
Acq: 19 Jan 2023 16:59

Tgt Ion:164 Resp: 43378  
Ion Ratio Lower Upper  
164 100  
166 126.1 105.3 157.9  
129 95.5 76.2 114.4  
131 96.5 71.3 106.9

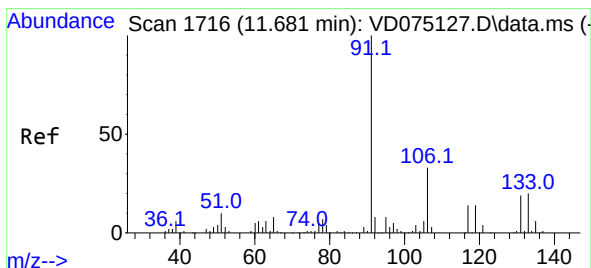
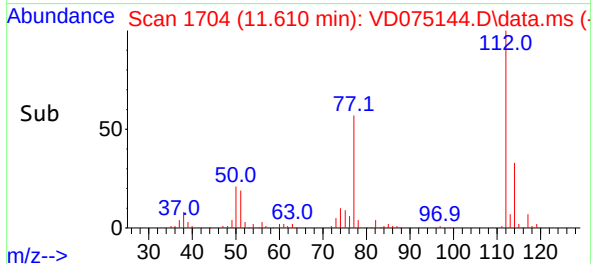
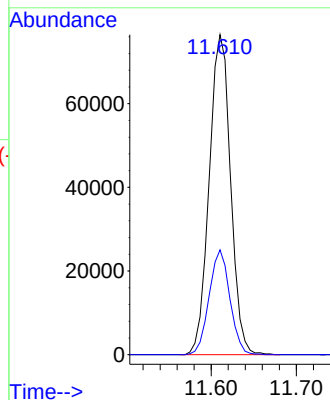
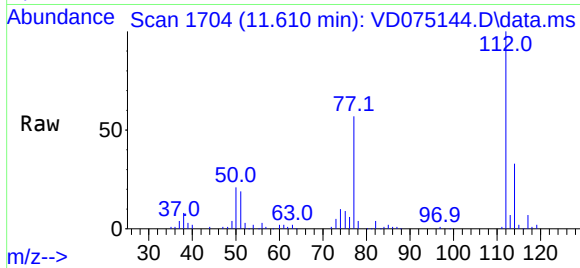




#65  
Chlorobenzene  
Concen: 50.487 ug/l  
RT: 11.610 min Scan# 1704  
Delta R.T. -0.000 min  
Lab File: VD075144.D  
Acq: 19 Jan 2023 16:59

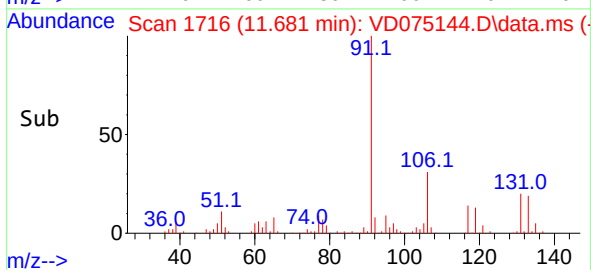
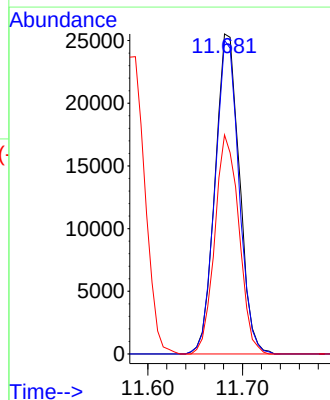
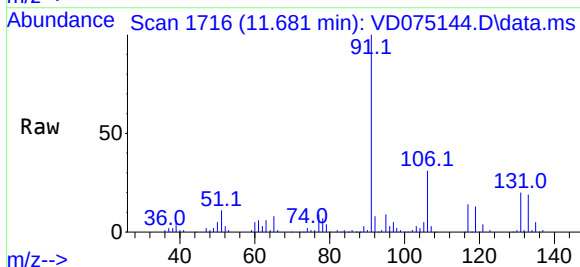
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

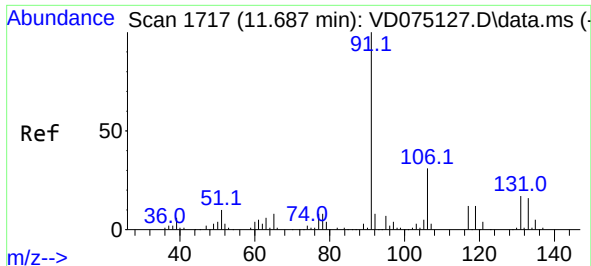
Tgt Ion:112 Resp: 133476  
Ion Ratio Lower Upper  
112 100  
114 32.8 24.7 37.1



#66  
1,1,1,2-Tetrachloroethane  
Concen: 51.213 ug/l  
RT: 11.681 min Scan# 1716  
Delta R.T. -0.000 min  
Lab File: VD075144.D  
Acq: 19 Jan 2023 16:59

Tgt Ion:131 Resp: 45541  
Ion Ratio Lower Upper  
131 100  
133 96.5 49.0 147.2  
119 68.0 34.8 104.5

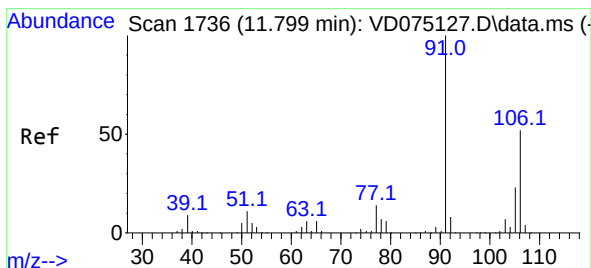
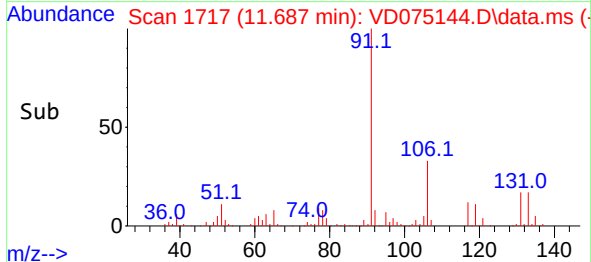
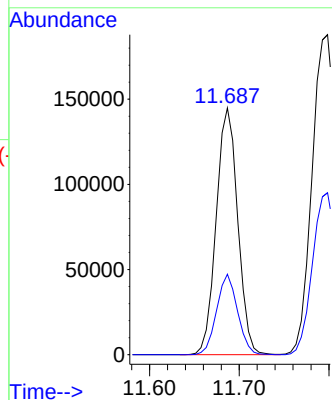
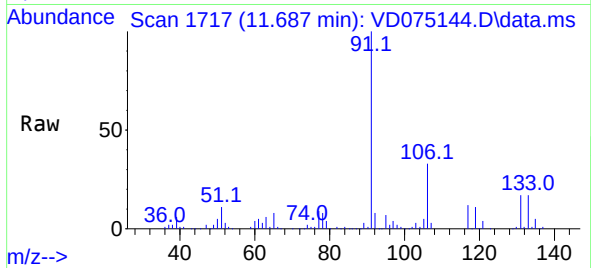




#67  
Ethyl Benzene  
Concen: 50.688 ug/l  
RT: 11.687 min Scan# 1717  
Delta R.T. -0.000 min  
Lab File: VD075144.D  
Acq: 19 Jan 2023 16:59

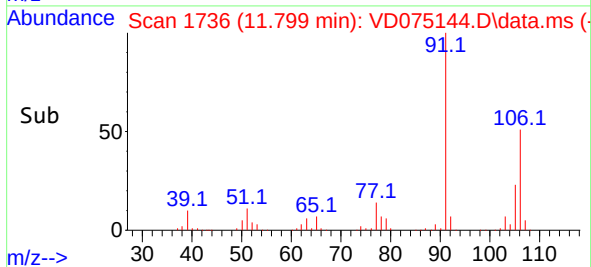
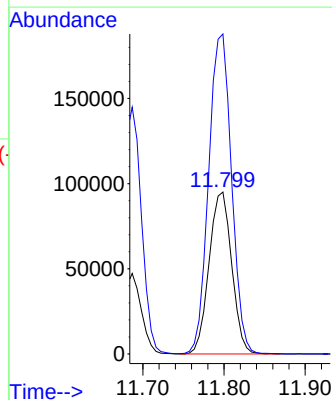
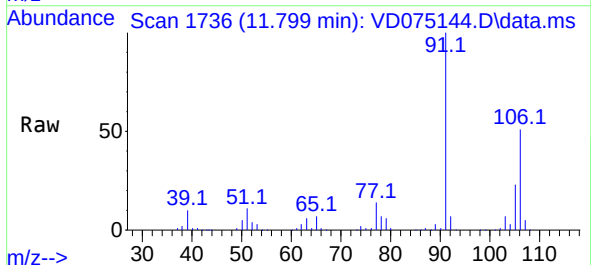
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

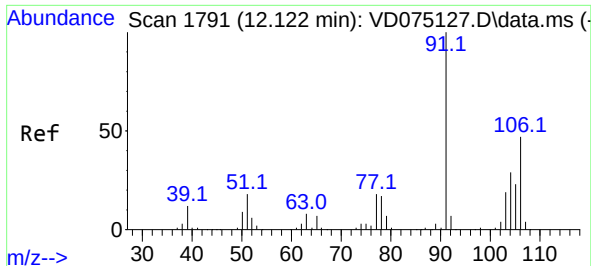
Tgt Ion: 91 Resp: 241214  
Ion Ratio Lower Upper  
91 100  
106 32.6 25.0 37.6



#68  
m/p-Xylenes  
Concen: 100.077 ug/l  
RT: 11.799 min Scan# 1736  
Delta R.T. -0.000 min  
Lab File: VD075144.D  
Acq: 19 Jan 2023 16:59

Tgt Ion:106 Resp: 183976  
Ion Ratio Lower Upper  
106 100  
91 200.1 160.3 240.5

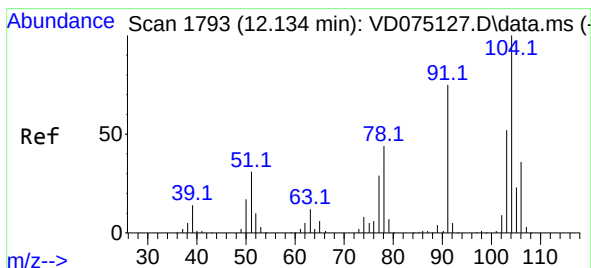
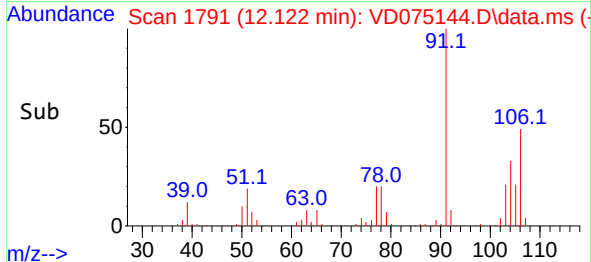
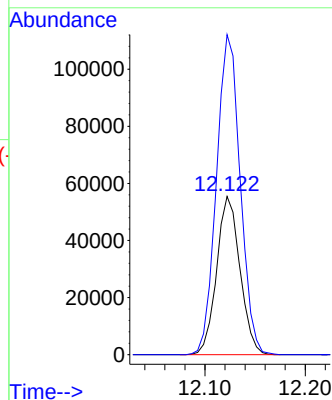
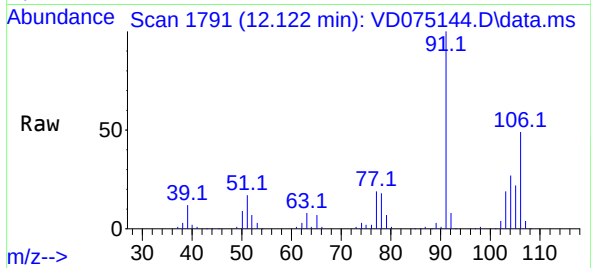




#69  
o-Xylene  
Concen: 51.878 ug/l  
RT: 12.122 min Scan# 1791  
Delta R.T. -0.000 min  
Lab File: VD075144.D  
Acq: 19 Jan 2023 16:59

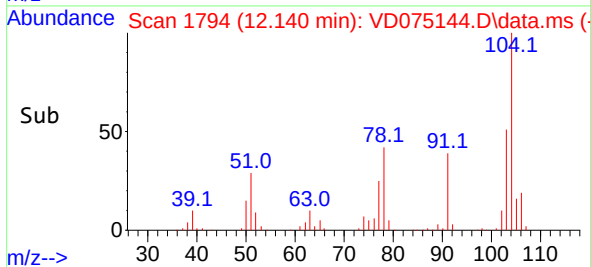
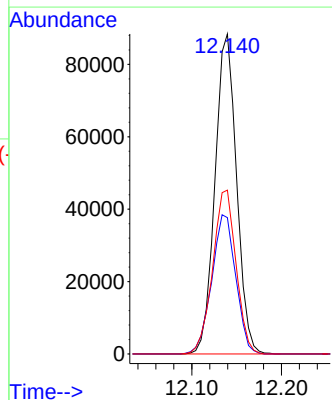
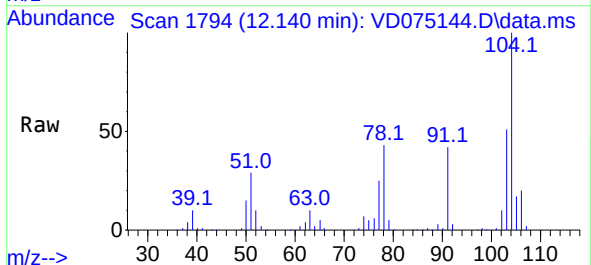
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

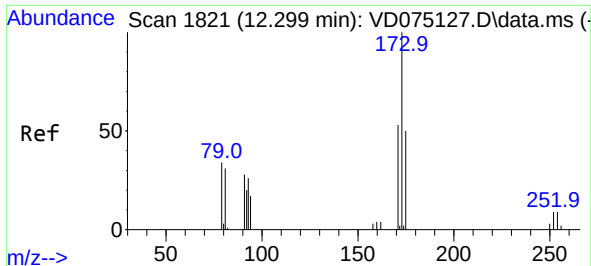
Tgt Ion:106 Resp: 89459  
Ion Ratio Lower Upper  
106 100  
91 206.0 103.6 310.9



#70  
Styrene  
Concen: 51.485 ug/l  
RT: 12.140 min Scan# 1794  
Delta R.T. 0.006 min  
Lab File: VD075144.D  
Acq: 19 Jan 2023 16:59

Tgt Ion:104 Resp: 147588  
Ion Ratio Lower Upper  
104 100  
78 48.4 38.9 58.3  
103 55.4 43.6 65.4

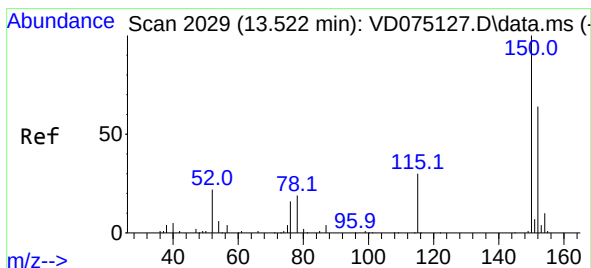
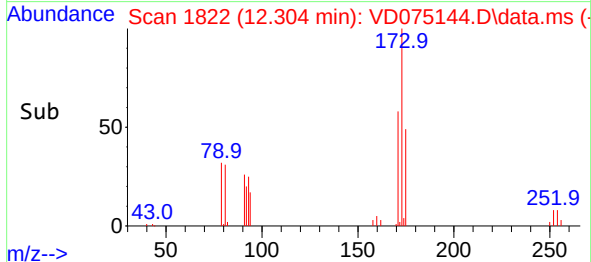
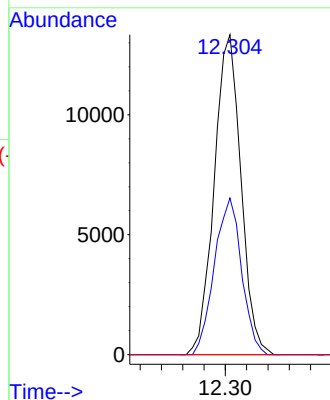
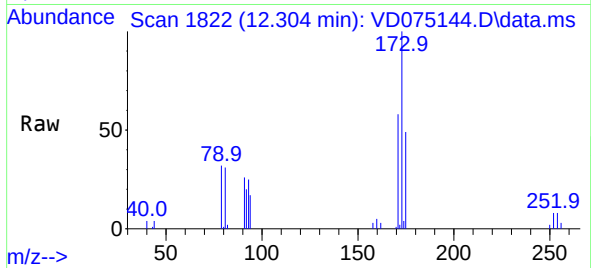




#71  
Bromoform  
Concen: 50.545 ug/l  
RT: 12.304 min Scan# 1822  
Delta R.T. 0.006 min  
Lab File: VD075144.D  
Acq: 19 Jan 2023 16:59

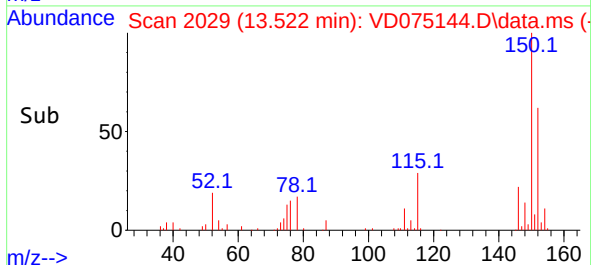
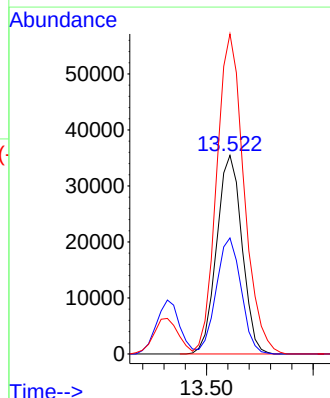
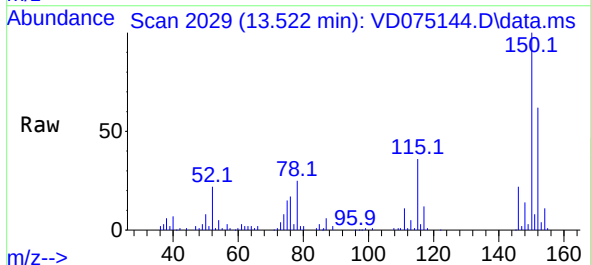
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion:173 Resp: 23209  
Ion Ratio Lower Upper  
173 100  
175 49.8 25.4 76.0  
254 0.0 0.0 0.0

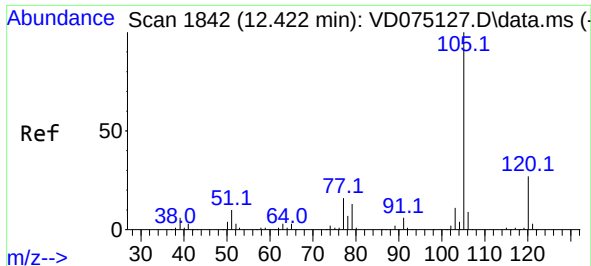


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.522 min Scan# 2029  
Delta R.T. -0.000 min  
Lab File: VD075144.D  
Acq: 19 Jan 2023 16:59

Tgt Ion:152 Resp: 58530  
Ion Ratio Lower Upper  
152 100  
115 57.1 28.8 86.4  
150 173.8 0.0 348.6



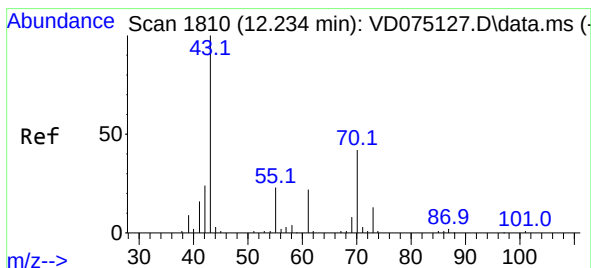
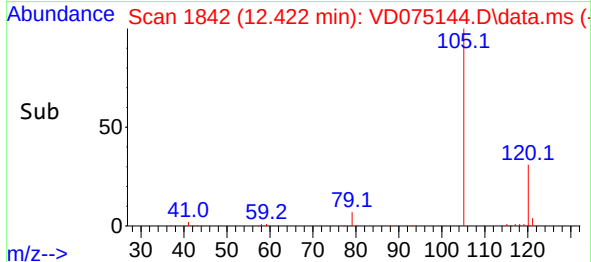
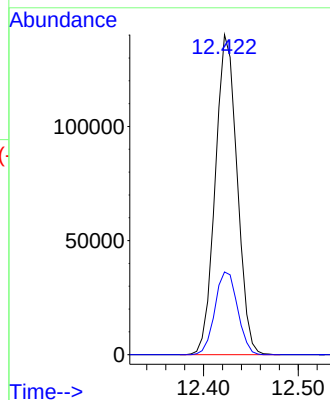
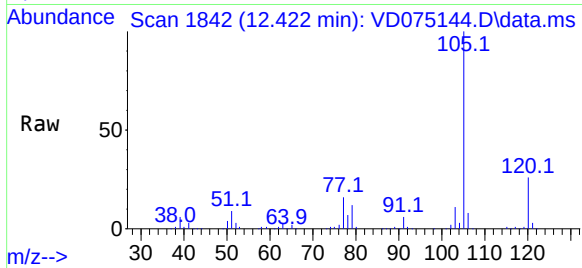




#73  
Isopropylbenzene  
Concen: 48.627 ug/l  
RT: 12.422 min Scan# 1842  
Delta R.T. -0.000 min  
Lab File: VD075144.D  
Acq: 19 Jan 2023 16:59

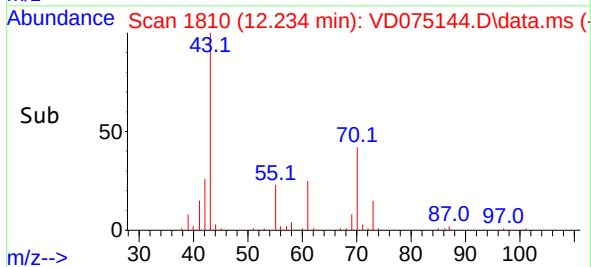
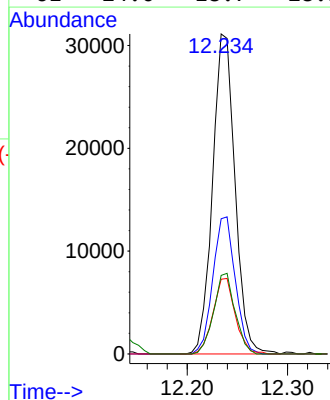
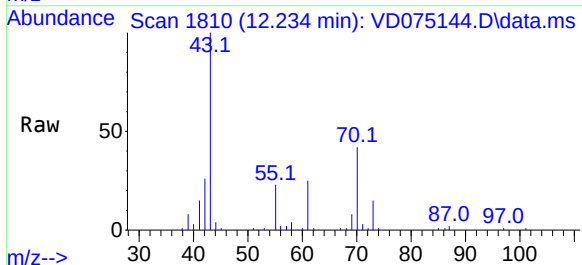
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

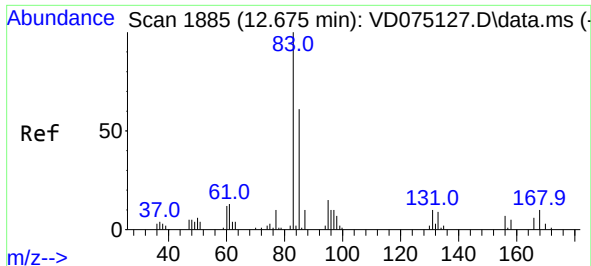
Tgt Ion:105 Resp: 224813  
Ion Ratio Lower Upper  
105 100  
120 26.8 13.7 41.1



#74  
N-ethyl acetate  
Concen: 47.760 ug/l  
RT: 12.234 min Scan# 1810  
Delta R.T. -0.000 min  
Lab File: VD075144.D  
Acq: 19 Jan 2023 16:59

Tgt Ion: 43 Resp: 48369  
Ion Ratio Lower Upper  
43 100  
70 42.8 32.6 49.0  
55 23.5 17.8 26.8  
61 24.0 18.7 28.1

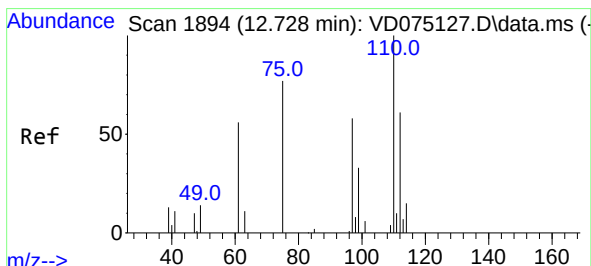
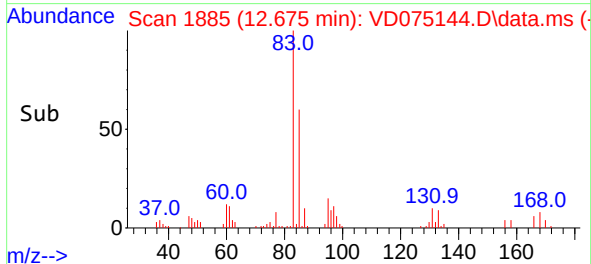
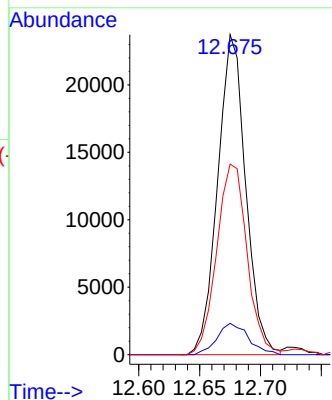
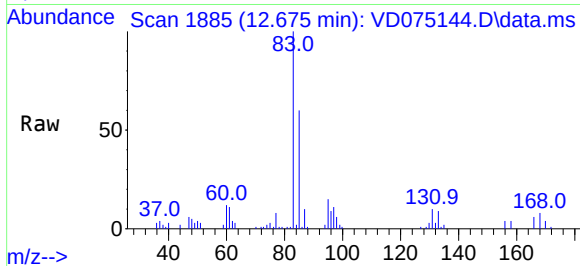




#75  
1,1,2,2-Tetrachloroethane  
Concen: 51.571 ug/l  
RT: 12.675 min Scan# 1885  
Delta R.T. -0.000 min  
Lab File: VD075144.D  
Acq: 19 Jan 2023 16:59

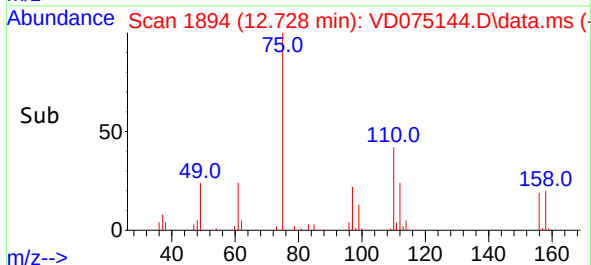
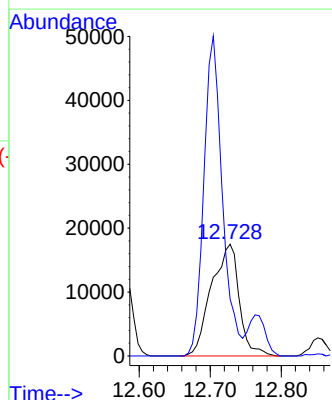
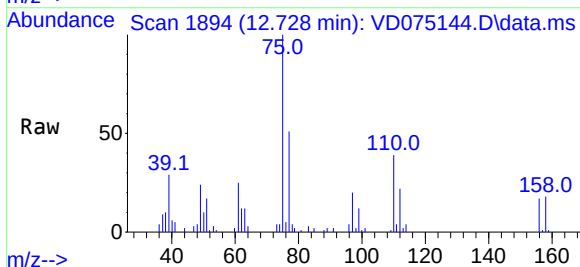
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

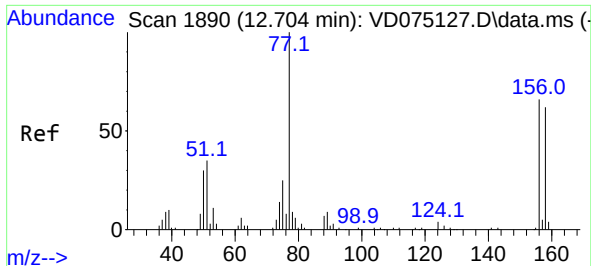
Tgt Ion: 83 Resp: 37988  
Ion Ratio Lower Upper  
83 100  
131 11.0 4.9 14.6  
85 64.5 31.9 95.7



#76  
1,2,3-Trichloropropane  
Concen: 95.847 ug/l  
RT: 12.728 min Scan# 1894  
Delta R.T. -0.000 min  
Lab File: VD075144.D  
Acq: 19 Jan 2023 16:59

Tgt Ion: 75 Resp: 47512  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0

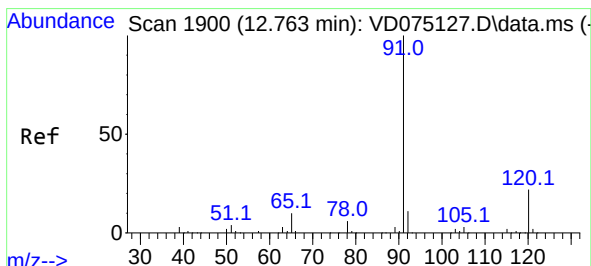
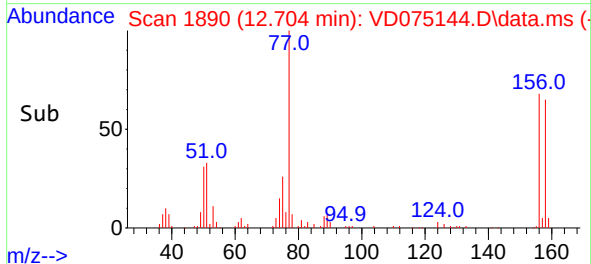
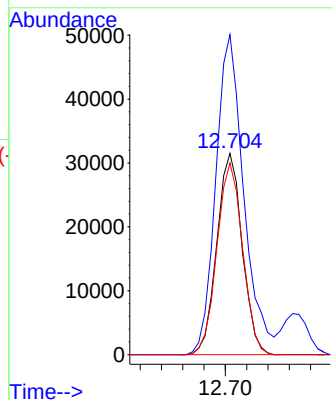
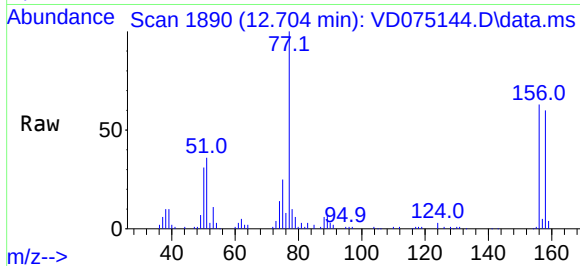




#77  
Bromobenzene  
Concen: 49.210 ug/l  
RT: 12.704 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD075144.D  
Acq: 19 Jan 2023 16:59

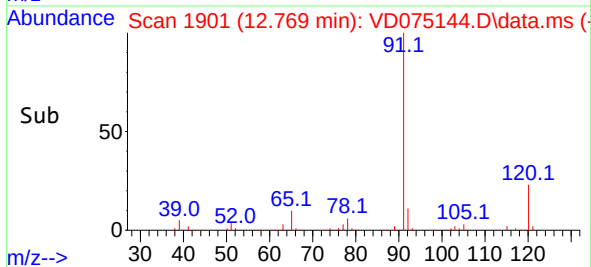
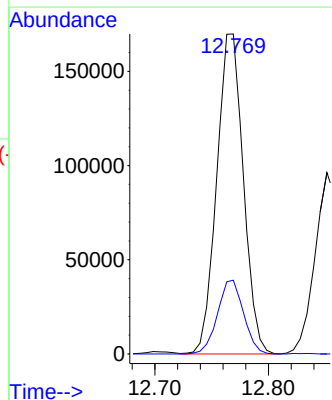
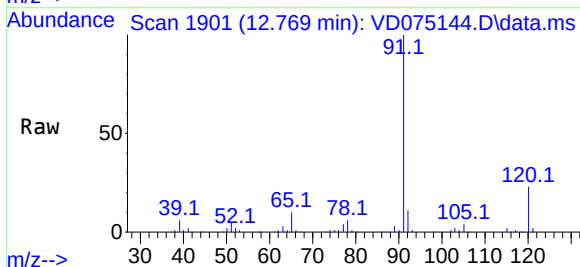
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

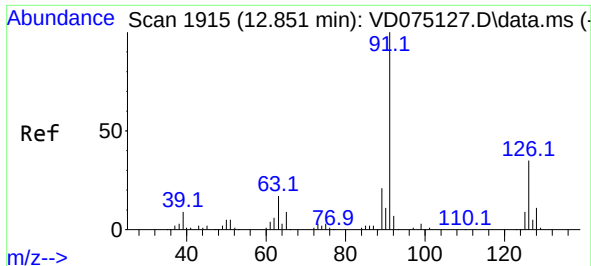
Tgt Ion:156 Resp: 51966  
Ion Ratio Lower Upper  
156 100  
77 175.7 85.6 256.8  
158 96.5 47.3 141.9



#78  
n-propylbenzene  
Concen: 48.695 ug/l  
RT: 12.769 min Scan# 1901  
Delta R.T. 0.006 min  
Lab File: VD075144.D  
Acq: 19 Jan 2023 16:59

Tgt Ion: 91 Resp: 276647  
Ion Ratio Lower Upper  
91 100  
120 22.5 11.7 35.0

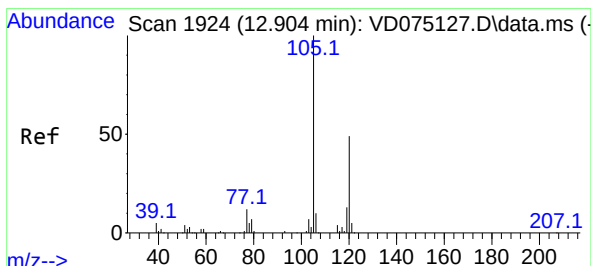
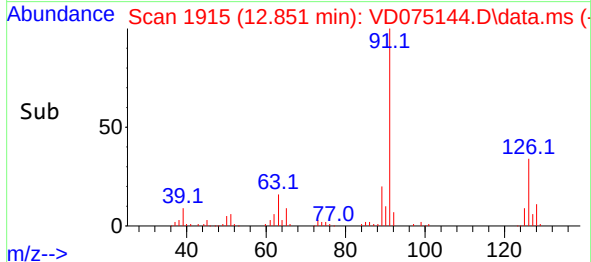
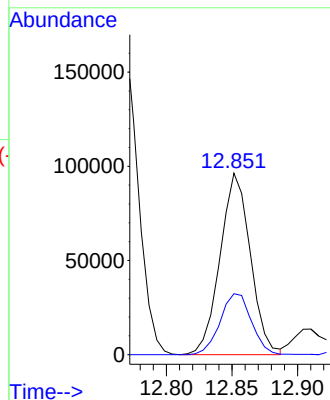
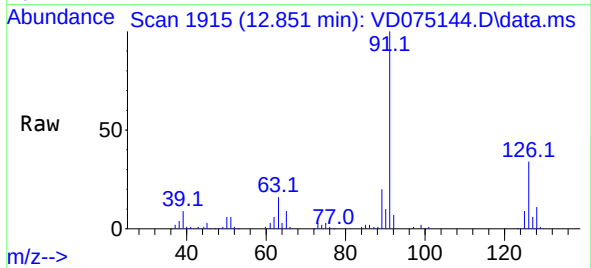




#79  
2-Chlorotoluene  
Concen: 49.629 ug/l  
RT: 12.851 min Scan# 1915  
Delta R.T. -0.000 min  
Lab File: VD075144.D  
Acq: 19 Jan 2023 16:59

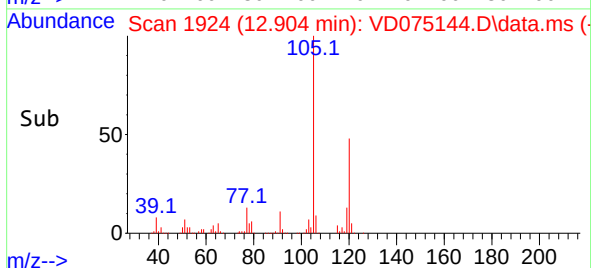
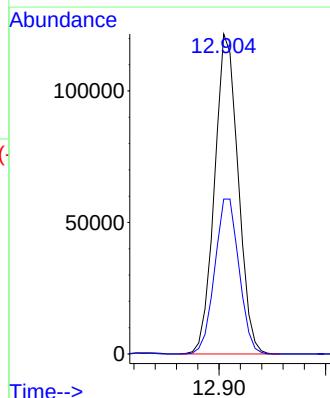
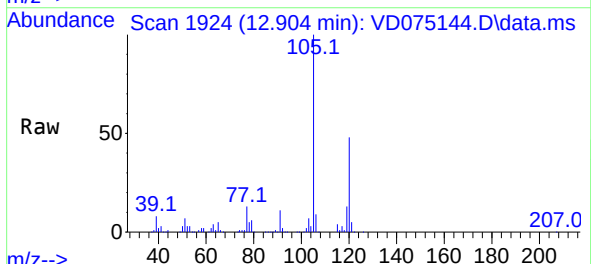
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

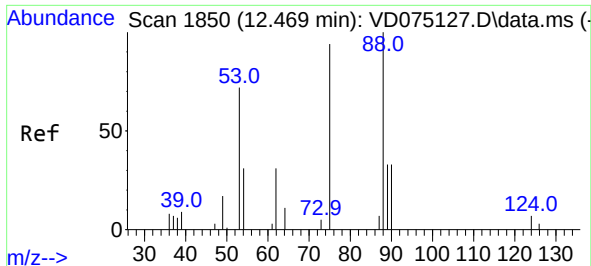
Tgt Ion: 91 Resp: 155071  
Ion Ratio Lower Upper  
91 100  
126 34.9 17.4 52.3



#80  
1,3,5-Trimethylbenzene  
Concen: 49.363 ug/l  
RT: 12.904 min Scan# 1924  
Delta R.T. -0.000 min  
Lab File: VD075144.D  
Acq: 19 Jan 2023 16:59

Tgt Ion: 105 Resp: 186976  
Ion Ratio Lower Upper  
105 100  
120 49.9 24.6 73.8

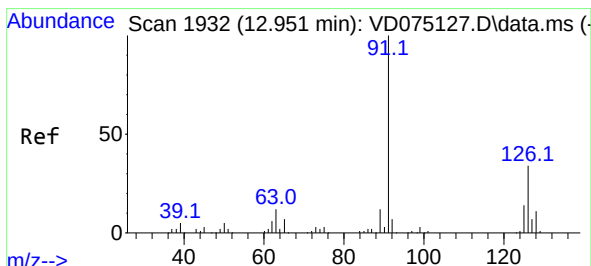
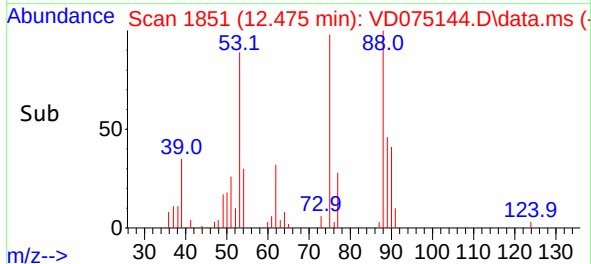
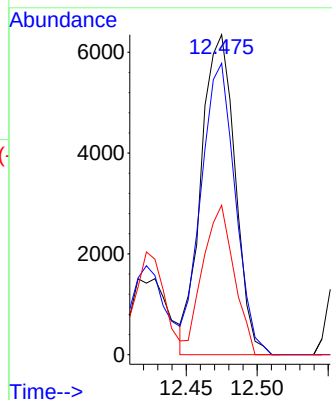
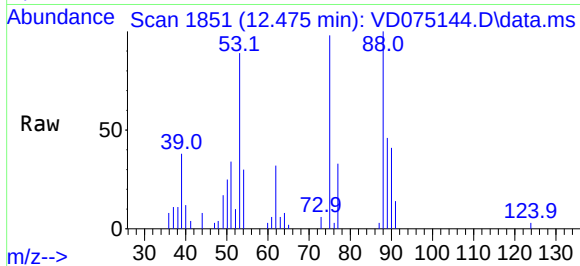




#81  
trans-1,4-Dichloro-2-butene  
Concen: 49.311 ug/l  
RT: 12.475 min Scan# 1851  
Delta R.T. 0.006 min  
Lab File: VD075144.D  
Acq: 19 Jan 2023 16:59

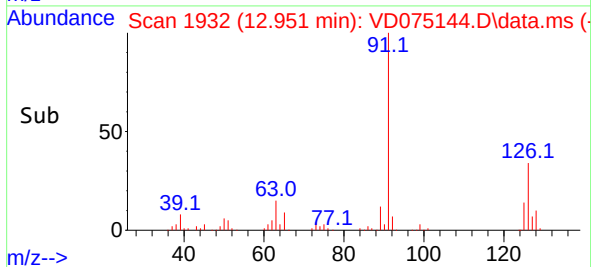
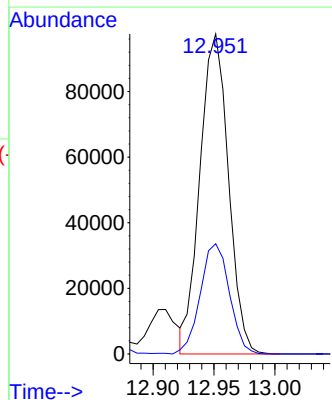
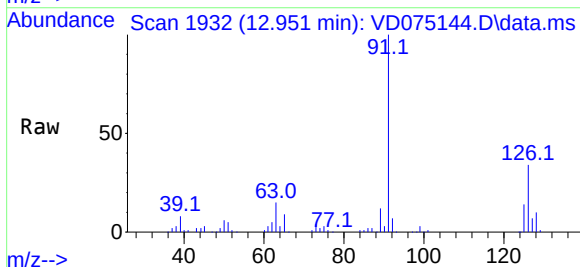
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

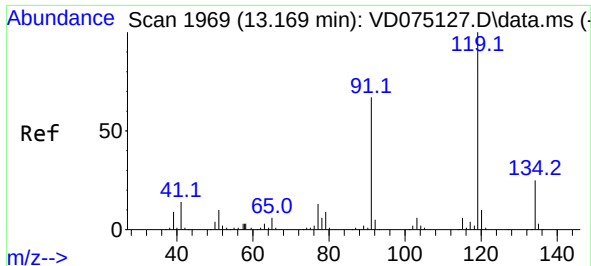
Tgt Ion: 75 Resp: 10538  
Ion Ratio Lower Upper  
75 100  
53 91.5 70.5 105.7  
89 43.2 34.6 52.0



#82  
4-Chlorotoluene  
Concen: 49.385 ug/l  
RT: 12.951 min Scan# 1932  
Delta R.T. -0.000 min  
Lab File: VD075144.D  
Acq: 19 Jan 2023 16:59

Tgt Ion: 91 Resp: 158651  
Ion Ratio Lower Upper  
91 100  
126 35.1 17.3 52.0

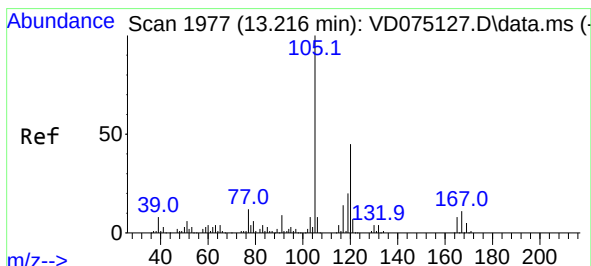
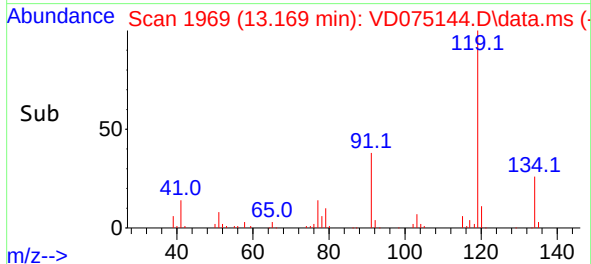
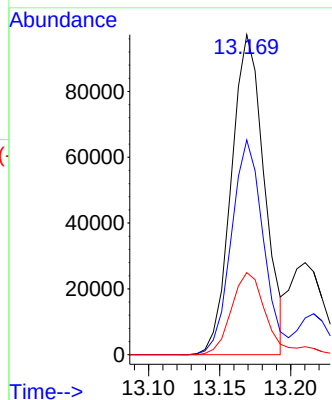
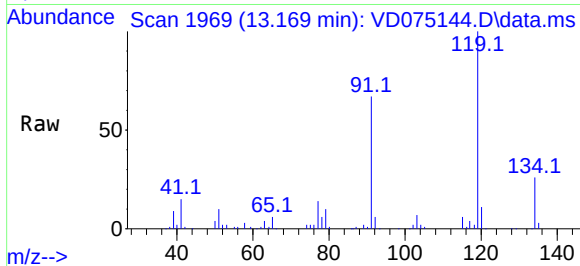




#83  
tert-Butylbenzene  
Concen: 47.909 ug/l  
RT: 13.169 min Scan# 1969  
Delta R.T. -0.000 min  
Lab File: VD075144.D  
Acq: 19 Jan 2023 16:59

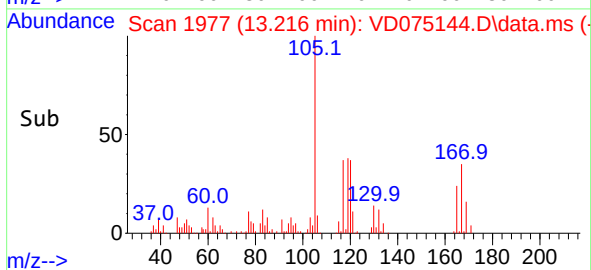
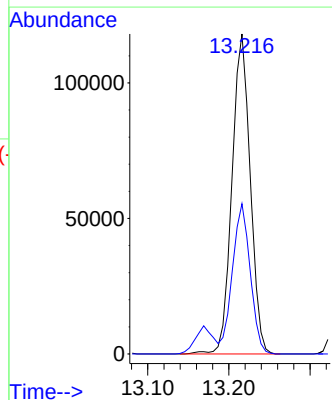
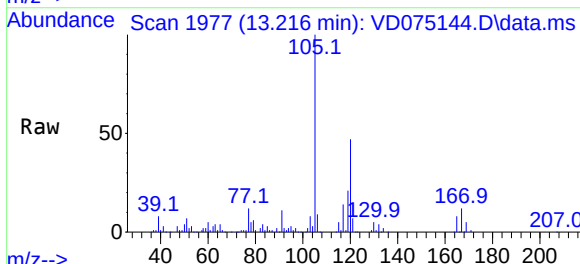
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

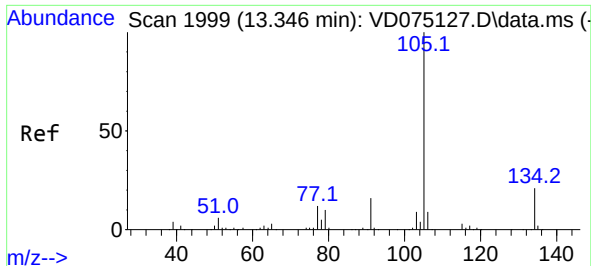
Tgt Ion:119 Resp: 157017  
Ion Ratio Lower Upper  
119 100  
91 65.4 32.9 98.6  
134 27.7 13.3 39.8



#84  
1,2,4-Trimethylbenzene  
Concen: 49.507 ug/l  
RT: 13.216 min Scan# 1977  
Delta R.T. -0.000 min  
Lab File: VD075144.D  
Acq: 19 Jan 2023 16:59

Tgt Ion:105 Resp: 184160  
Ion Ratio Lower Upper  
105 100  
120 45.9 23.2 69.5

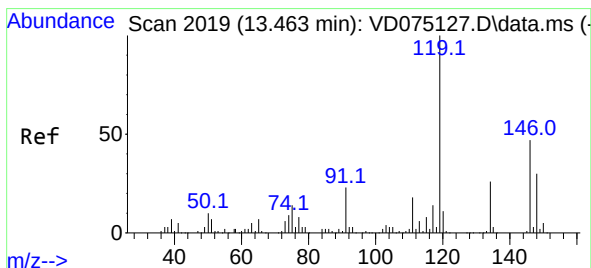
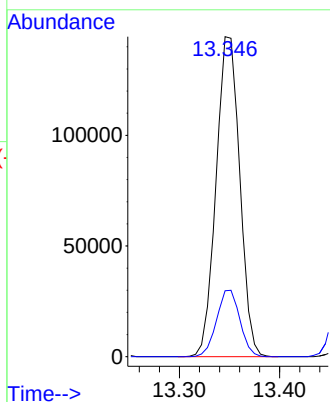




#85  
sec-Butylbenzene  
Concen: 47.608 ug/l  
RT: 13.346 min Scan# 1999  
Delta R.T. -0.000 min  
Lab File: VD075144.D  
Acq: 19 Jan 2023 16:59

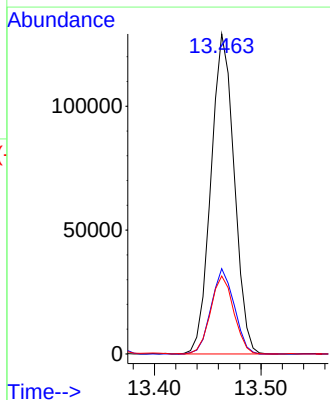
Tgt Ion:105 Resp: 237025  
Ion Ratio Lower Upper  
105 100  
134 20.4 10.4 31.2

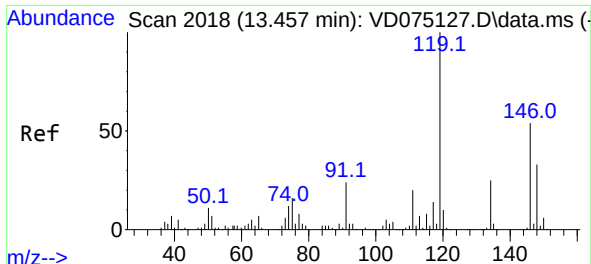
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC



#86  
p-Isopropyltoluene  
Concen: 48.011 ug/l  
RT: 13.463 min Scan# 2019  
Delta R.T. -0.000 min  
Lab File: VD075144.D  
Acq: 19 Jan 2023 16:59

Tgt Ion:119 Resp: 195697  
Ion Ratio Lower Upper  
119 100  
134 26.4 13.3 39.8  
91 24.4 11.9 35.5





#87

1,3-Dichlorobenzene

Concen: 49.730 ug/l

RT: 13.463 min Scan# 2018

Delta R.T. 0.006 min

Lab File: VD075144.D

Acq: 19 Jan 2023 16:59

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

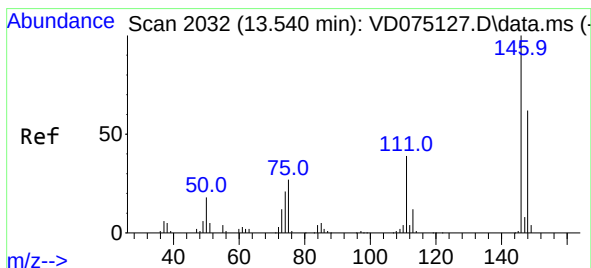
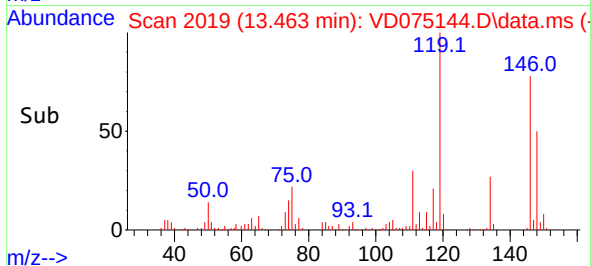
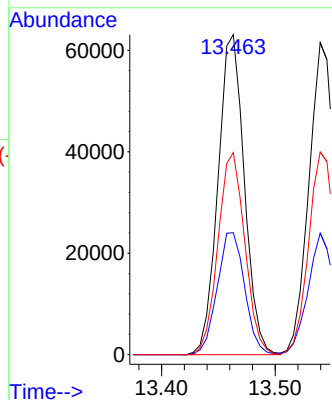
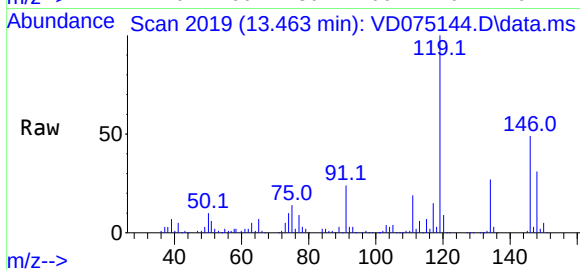
Tgt Ion:146 Resp: 101796

Ion Ratio Lower Upper

146 100

111 39.7 18.9 56.9

148 64.3 31.1 93.3



#88

1,4-Dichlorobenzene

Concen: 49.522 ug/l

RT: 13.540 min Scan# 2032

Delta R.T. -0.000 min

Lab File: VD075144.D

Acq: 19 Jan 2023 16:59

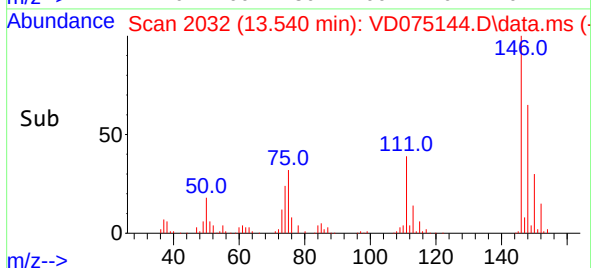
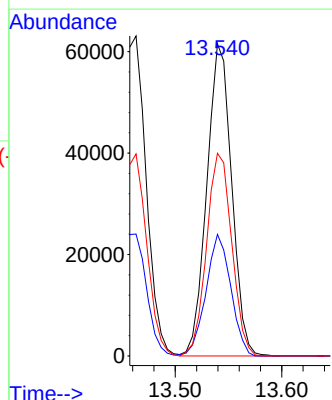
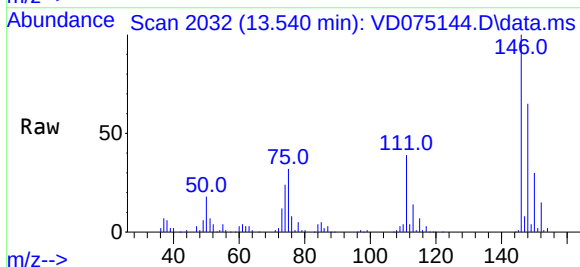
Tgt Ion:146 Resp: 99737

Ion Ratio Lower Upper

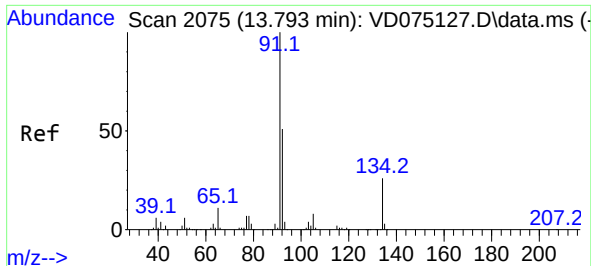
146 100

111 38.9 19.7 59.1

148 65.8 31.9 95.5



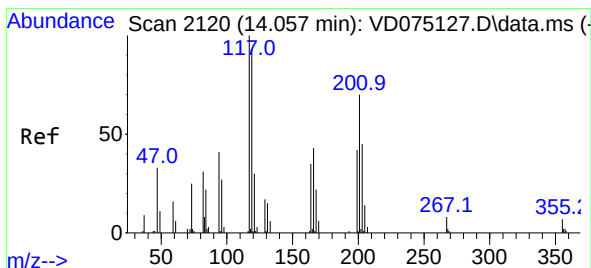
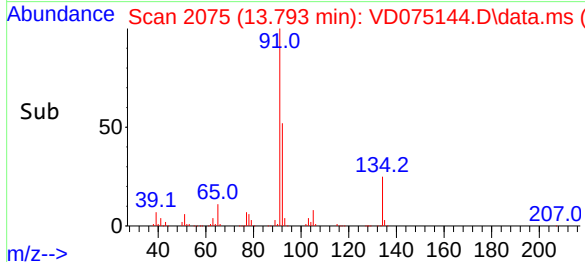
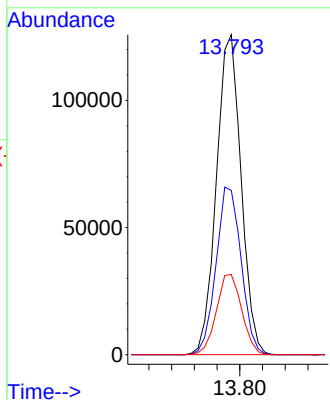
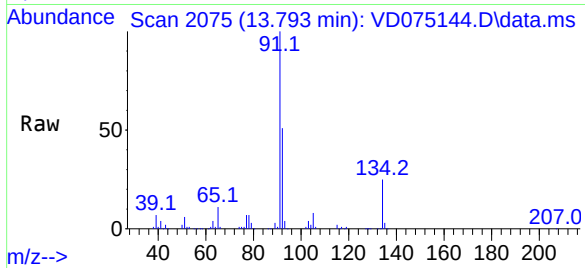




#89  
n-Butylbenzene  
Concen: 47.780 ug/l  
RT: 13.793 min Scan# 2075  
Delta R.T. -0.000 min  
Lab File: VD075144.D  
Acq: 19 Jan 2023 16:59

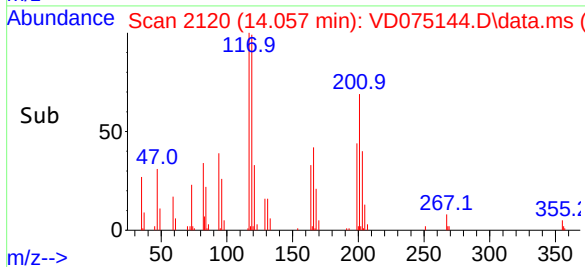
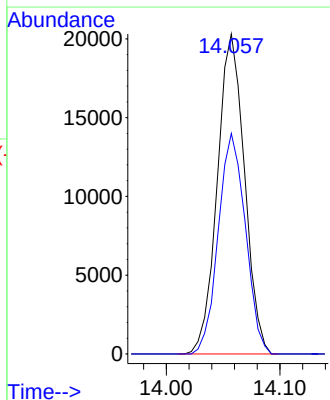
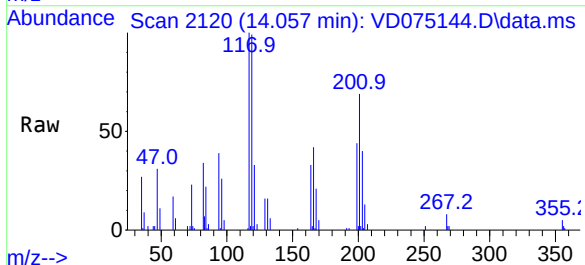
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

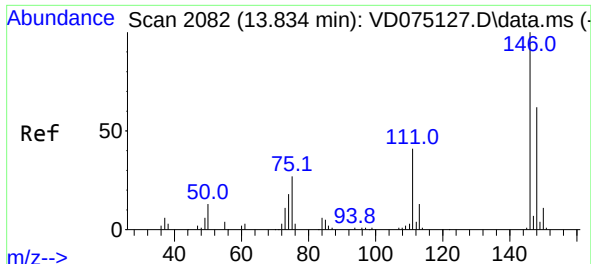
Tgt Ion: 91 Resp: 189781  
Ion Ratio Lower Upper  
91 100  
92 53.2 26.8 80.3  
134 25.8 13.3 39.8



#90  
Hexachloroethane  
Concen: 46.954 ug/l  
RT: 14.057 min Scan# 2120  
Delta R.T. -0.000 min  
Lab File: VD075144.D  
Acq: 19 Jan 2023 16:59

Tgt Ion: 117 Resp: 33797  
Ion Ratio Lower Upper  
117 100  
201 68.6 35.1 105.5

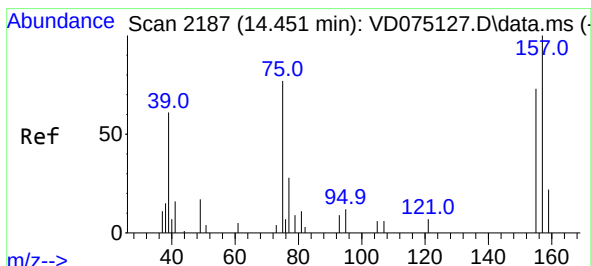
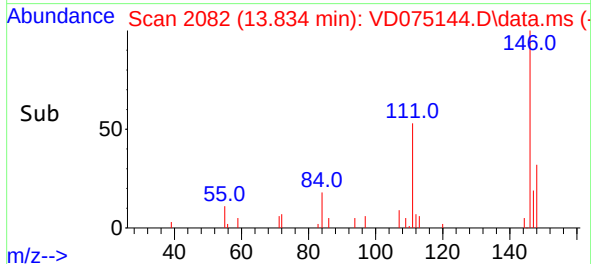
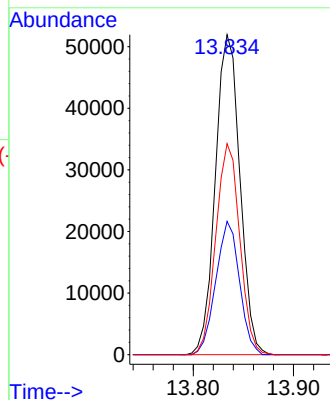
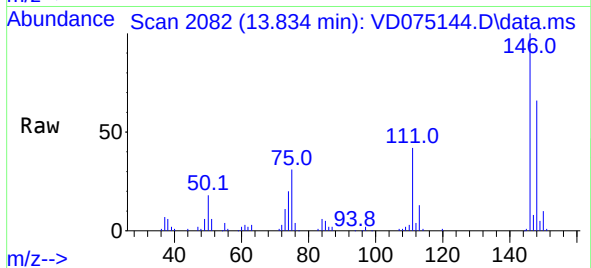




#91  
1,2-Dichlorobenzene  
Concen: 50.442 ug/l  
RT: 13.834 min Scan# 2082  
Delta R.T. -0.000 min  
Lab File: VD075144.D  
Acq: 19 Jan 2023 16:59

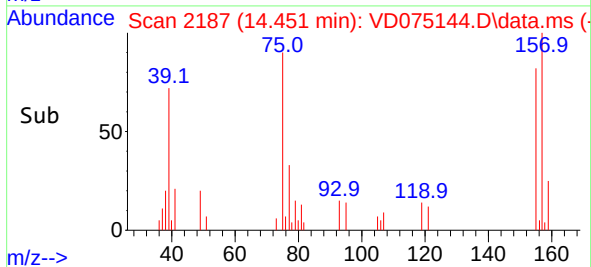
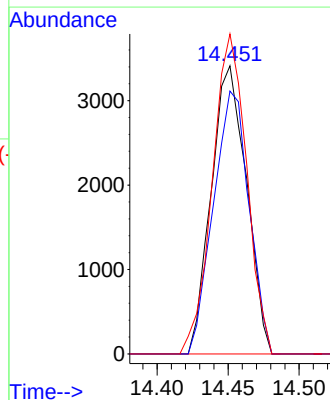
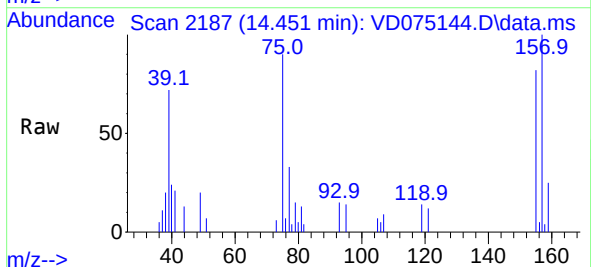
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

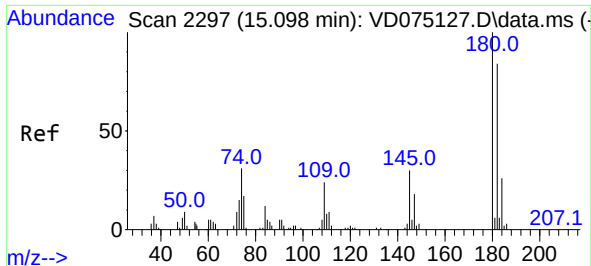
Tgt Ion:146 Resp: 88338  
Ion Ratio Lower Upper  
146 100  
111 40.2 20.4 61.2  
148 64.3 31.9 95.5



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 52.314 ug/l  
RT: 14.451 min Scan# 2187  
Delta R.T. -0.000 min  
Lab File: VD075144.D  
Acq: 19 Jan 2023 16:59

Tgt Ion: 75 Resp: 5892  
Ion Ratio Lower Upper  
75 100  
155 92.1 43.4 130.2  
157 107.7 56.4 169.2

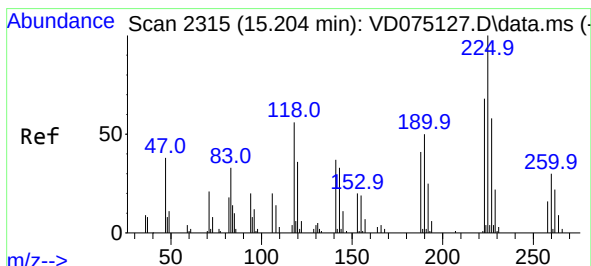
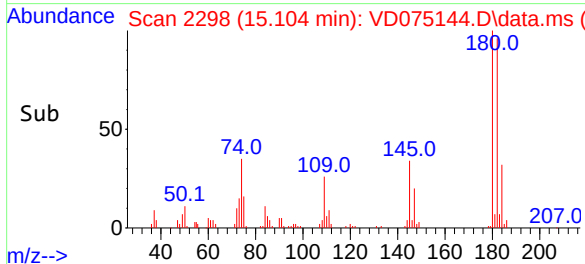
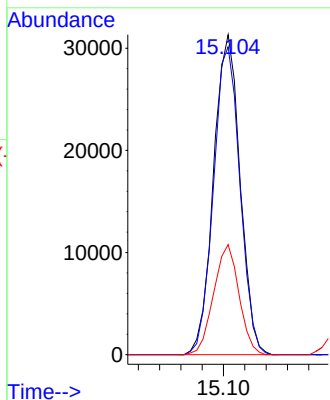
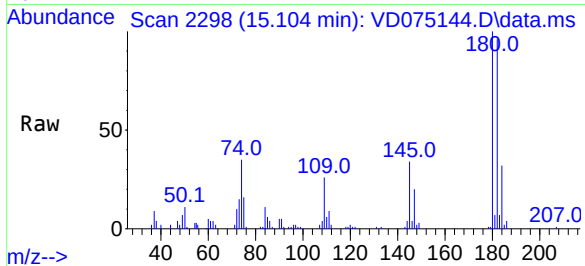




#93  
1,2,4-Trichlorobenzene  
Concen: 46.973 ug/l  
RT: 15.104 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VD075144.D  
Acq: 19 Jan 2023 16:59

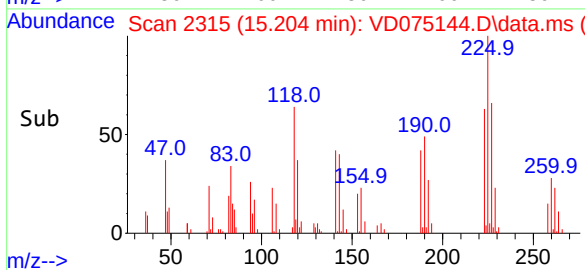
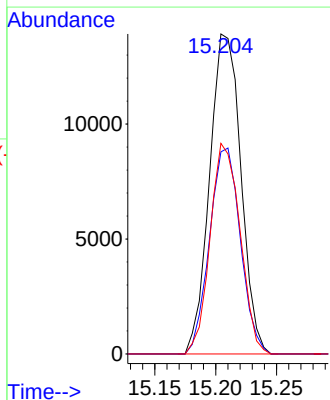
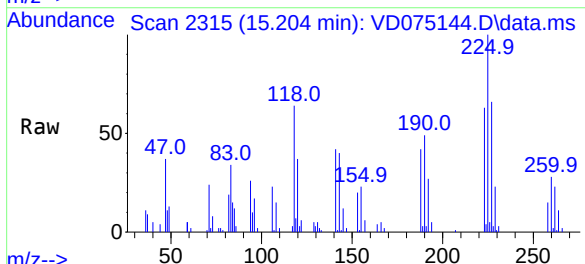
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

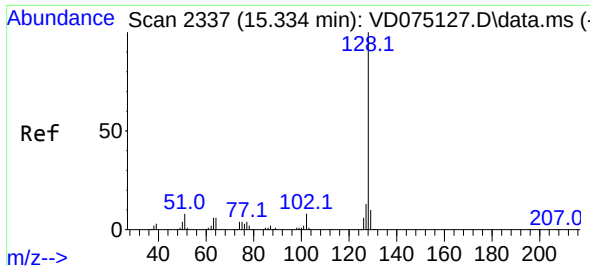
Tgt Ion:180 Resp: 54019  
Ion Ratio Lower Upper  
180 100  
182 96.0 46.2 138.6  
145 32.9 15.8 47.4



#94  
Hexachlorobutadiene  
Concen: 44.161 ug/l  
RT: 15.204 min Scan# 2315  
Delta R.T. -0.000 min  
Lab File: VD075144.D  
Acq: 19 Jan 2023 16:59

Tgt Ion:225 Resp: 24889  
Ion Ratio Lower Upper  
225 100  
223 63.4 31.8 95.4  
227 62.8 30.7 92.1

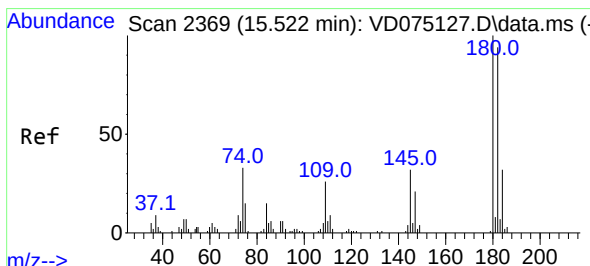
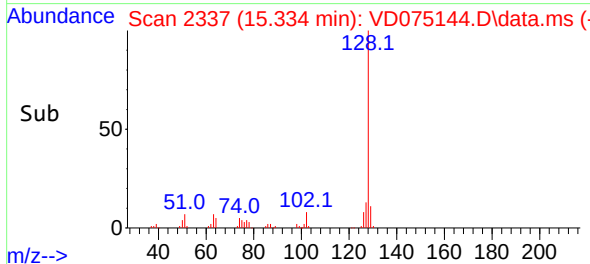
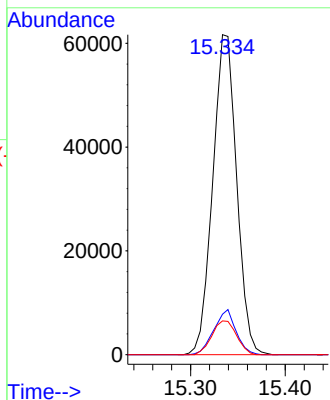
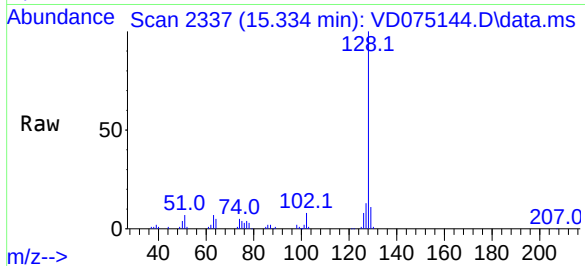




#95  
Naphthalene  
Concen: 47.305 ug/l  
RT: 15.334 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VD075144.D  
Acq: 19 Jan 2023 16:59

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 128   | Resp: | 108298 |
| Ion      | Ratio | Lower | Upper  |
| 128      | 100   |       |        |
| 127      | 13.0  | 10.6  | 15.8   |
| 129      | 10.9  | 8.7   | 13.1   |



#96  
1,2,3-Trichlorobenzene  
Concen: 47.646 ug/l  
RT: 15.528 min Scan# 2370  
Delta R.T. 0.006 min  
Lab File: VD075144.D  
Acq: 19 Jan 2023 16:59

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 46753 |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 95.1  | 47.0  | 141.0 |
| 145      | 34.9  | 16.1  | 48.3  |

