

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD121421\  
 Data File : VD071311.D  
 Acq On : 14 Dec 2021 10:47  
 Operator : VA/SY  
 Sample : VD1214SBS01  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Dec 15 08:24:57 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D112921S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Nov 29 17:54:09 2021  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.979  | 168  | 269620   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.861  | 114  | 467875   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.637 | 117  | 427299   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.567 | 152  | 218359   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 8.326  | 65    | 162198   | 51.269   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 102.540% |      |
| 35) Dibromofluoromethane    | 7.914  | 113   | 149593   | 50.209   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 100.420% |      |
| 50) Toluene-d8              | 10.337 | 98    | 512207   | 45.176   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | = 90.360%  |      |
| 62) 4-Bromofluorobenzene    | 12.626 | 95    | 192404   | 48.955   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | = 97.920%  |      |

|                              |       |     |        |         |        |    |
|------------------------------|-------|-----|--------|---------|--------|----|
| Target Compounds             |       |     |        | Qvalue  |        |    |
| 2) Dichlorodifluoromethane   | 1.991 | 85  | 47580  | 20.694  | ug/l   | 98 |
| 3) Chloromethane             | 2.214 | 50  | 69378  | 22.808  | ug/l   | 96 |
| 4) Vinyl Chloride            | 2.350 | 62  | 81325  | 23.964  | ug/l   | 99 |
| 5) Bromomethane              | 2.761 | 94  | 56234  | 22.987  | ug/l   | 99 |
| 6) Chloroethane              | 2.914 | 64  | 53971  | 23.123  | ug/l # | 81 |
| 7) Trichlorofluoromethane    | 3.273 | 101 | 93450  | 20.327  | ug/l   | 96 |
| 8) Diethyl Ether             | 3.708 | 74  | 24202  | 19.419  | ug/l   | 90 |
| 9) 1,1,2-Trichlorotrifluo... | 4.102 | 101 | 56520  | 20.839  | ug/l   | 93 |
| 10) Methyl Iodide            | 4.302 | 142 | 35467  | 14.783  | ug/l   | 96 |
| 11) Tert butyl alcohol       | 5.197 | 59  | 37748  | 161.968 | ug/l # | 79 |
| 12) 1,1-Dichloroethene       | 4.067 | 96  | 47206  | 18.860  | ug/l # | 83 |
| 13) Acrolein                 | 3.920 | 56  | 20687  | 95.687  | ug/l   | 97 |
| 14) Allyl chloride           | 4.720 | 41  | 91041  | 19.149  | ug/l # | 79 |
| 15) Acrylonitrile            | 5.426 | 53  | 69286  | 114.312 | ug/l   | 97 |
| 16) Acetone                  | 4.155 | 43  | 67950  | 101.718 | ug/l   | 97 |
| 17) Carbon Disulfide         | 4.414 | 76  | 137314 | 18.737  | ug/l   | 99 |
| 18) Methyl Acetate           | 4.726 | 43  | 54556  | 23.372  | ug/l   | 95 |
| 19) Methyl tert-butyl Ether  | 5.479 | 73  | 124628 | 20.317  | ug/l   | 93 |
| 20) Methylene Chloride       | 4.961 | 84  | 72957  | 20.379  | ug/l # | 87 |
| 21) trans-1,2-Dichloroethene | 5.473 | 96  | 55310  | 19.631  | ug/l   | 88 |
| 22) Diisopropyl ether        | 6.361 | 45  | 191835 | 20.139  | ug/l # | 89 |
| 23) Vinyl Acetate            | 6.308 | 43  | 355774 | 88.767  | ug/l   | 95 |
| 24) 1,1-Dichloroethane       | 6.267 | 63  | 111642 | 20.377  | ug/l   | 98 |
| 25) 2-Butanone               | 7.214 | 43  | 91773  | 112.216 | ug/l # | 86 |
| 26) 2,2-Dichloropropane      | 7.214 | 77  | 88691  | 17.802  | ug/l   | 96 |
| 27) cis-1,2-Dichloroethene   | 7.208 | 96  | 61732  | 19.367  | ug/l   | 89 |
| 28) Bromochloromethane       | 7.543 | 49  | 56436  | 23.716  | ug/l   | 91 |
| 29) Tetrahydrofuran          | 7.567 | 42  | 55152  | 109.786 | ug/l   | 93 |
| 30) Chloroform               | 7.708 | 83  | 111938 | 20.358  | ug/l   | 99 |
| 31) Cyclohexane              | 7.985 | 56  | 98248  | 18.257  | ug/l   | 92 |
| 32) 1,1,1-Trichloroethane    | 7.896 | 97  | 97678  | 19.787  | ug/l # | 93 |
| 36) 1,1-Dichloropropene      | 8.108 | 75  | 83413  | 19.075  | ug/l   | 97 |
| 37) Ethyl Acetate            | 7.291 | 43  | 39697  | 21.016  | ug/l   | 96 |
| 38) Carbon Tetrachloride     | 8.096 | 117 | 84333  | 19.564  | ug/l   | 98 |
| 39) Methylcyclohexane        | 9.355 | 83  | 91387  | 17.375  | ug/l   | 98 |
| 40) Benzene                  | 8.349 | 78  | 225448 | 18.980  | ug/l   | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD121421\  
 Data File : VD071311.D  
 Acq On : 14 Dec 2021 10:47  
 Operator : VA/SY  
 Sample : VD1214SBS01  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Dec 15 08:24:57 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D112921S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Nov 29 17:54:09 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.526  | 41   | 23787    | 28.322  | ug/l # | 74       |
| 42) 1,2-Dichloroethane        | 8.420  | 62   | 80209    | 22.122  | ug/l   | 91       |
| 43) Isopropyl Acetate         | 8.449  | 43   | 76119    | 21.624  | ug/l # | 89       |
| 44) Trichloroethene           | 9.108  | 130  | 60050    | 18.961  | ug/l   | 94       |
| 45) 1,2-Dichloropropane       | 9.385  | 63   | 62661    | 20.060  | ug/l   | 98       |
| 46) Dibromomethane            | 9.473  | 93   | 34906    | 21.539  | ug/l   | 90       |
| 47) Bromodichloromethane      | 9.661  | 83   | 88682    | 20.691  | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.449  | 41   | 37673    | 20.375  | ug/l # | 81       |
| 49) 1,4-Dioxane               | 9.461  | 88   | 7138     | 456.274 | ug/l # | 89       |
| 51) 4-Methyl-2-Pentanone      | 10.226 | 43   | 197673   | 112.077 | ug/l   | 90       |
| 52) Toluene                   | 10.402 | 92   | 142132   | 18.859  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.614 | 75   | 75333    | 19.117  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 10.085 | 75   | 89158    | 19.048  | ug/l # | 82       |
| 55) 1,1,2-Trichloroethane     | 10.790 | 97   | 44140    | 20.762  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 10.655 | 69   | 50849    | 20.600  | ug/l # | 68       |
| 57) 1,3-Dichloropropane       | 10.943 | 76   | 78463    | 21.008  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 9.937  | 63   | 170722   | 118.006 | ug/l   | 97       |
| 59) 2-Hexanone                | 10.979 | 43   | 139150   | 109.283 | ug/l   | 86       |
| 60) Dibromochloromethane      | 11.137 | 129  | 54491    | 20.622  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.237 | 107  | 40462    | 19.816  | ug/l   | 93       |
| 64) Tetrachloroethene         | 10.873 | 164  | 50332    | 18.554  | ug/l   | 98       |
| 65) Chlorobenzene             | 11.661 | 112  | 151475   | 19.106  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.737 | 131  | 56156    | 19.399  | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.737 | 91   | 270963   | 18.155  | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.849 | 106  | 206967   | 36.731  | ug/l   | 96       |
| 69) o-Xylene                  | 12.173 | 106  | 95109    | 17.959  | ug/l   | 93       |
| 70) Styrene                   | 12.184 | 104  | 168985   | 18.933  | ug/l   | 97       |
| 71) Bromoform                 | 12.355 | 173  | 31106    | 20.742  | ug/l # | 95       |
| 73) Isopropylbenzene          | 12.473 | 105  | 262607   | 16.609  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.279 | 43   | 69041    | 19.832  | ug/l   | 89       |
| 75) 1,1,2,2-Tetrachloroethane | 12.726 | 83   | 52387    | 20.120  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.773 | 75   | 65695    | 31.578  | ug/l   | 33       |
| 77) Bromobenzene              | 12.749 | 156  | 60435    | 17.647  | ug/l   | 97       |
| 78) n-propylbenzene           | 12.814 | 91   | 335838   | 17.056  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 12.896 | 91   | 187485   | 16.965  | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene    | 12.949 | 105  | 218145   | 16.731  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.520 | 75   | 13825    | 19.521  | ug/l # | 76       |
| 82) 4-Chlorotoluene           | 12.996 | 91   | 195835   | 17.069  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.214 | 119  | 181674   | 16.225  | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene    | 13.261 | 105  | 211429   | 16.610  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.390 | 105  | 293040   | 17.135  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.508 | 119  | 236660   | 16.919  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.508 | 146  | 121111   | 17.765  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.584 | 146  | 120476   | 17.837  | ug/l   | 96       |
| 89) n-Butylbenzene            | 13.831 | 91   | 230417   | 16.875  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.102 | 117  | 47155    | 17.784  | ug/l   | 92       |
| 91) 1,2-Dichlorobenzene       | 13.878 | 146  | 106723   | 18.409  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.490 | 75   | 7930     | 18.702  | ug/l   | 97       |
| 93) 1,2,4-Trichlorobenzene    | 15.143 | 180  | 64212    | 17.756  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 15.255 | 225  | 34758    | 16.987  | ug/l   | 98       |
| 95) Naphthalene               | 15.384 | 128  | 110141   | 17.277  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.572 | 180  | 53270    | 17.344  | ug/l   | 94       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD121421\  
Data File : VD071311.D  
Acq On : 14 Dec 2021 10:47  
Operator : VA/SY  
Sample : VD1214SBS01  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 1 Sample Multiplier: 1

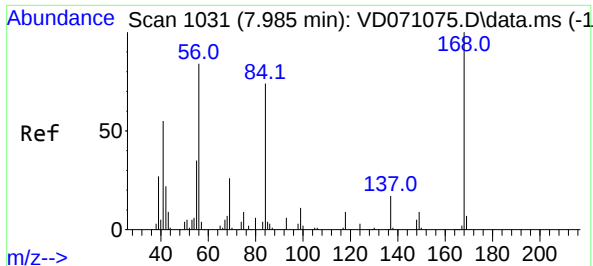
Instrument :  
MSVOA\_D  
ClientSampleId :

Quant Time: Dec 15 08:24:57 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D112921S.M  
Quant Title : SW846 8260  
QLast Update : Mon Nov 29 17:54:09 2021  
Response via : Initial Calibration

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

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

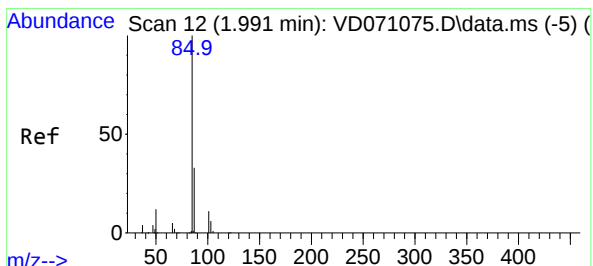
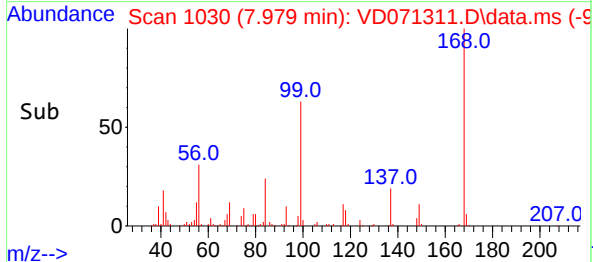
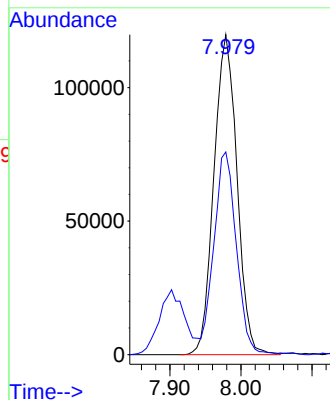
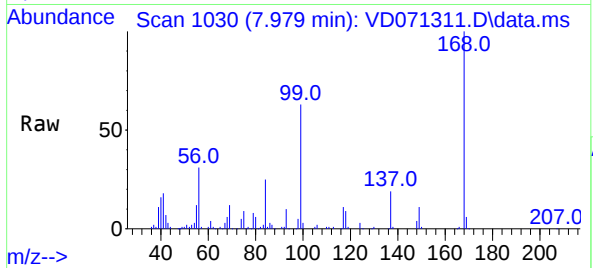




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.979 min Scan# 10  
Delta R.T. -0.006 min  
Lab File: VD071311.D  
Acq: 14 Dec 2021 10:47

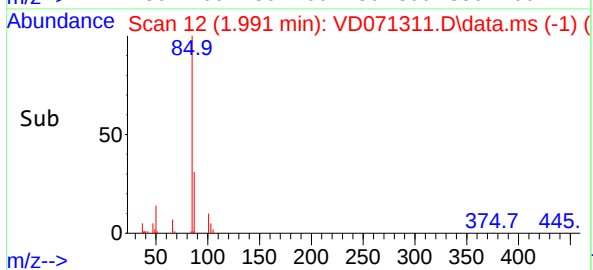
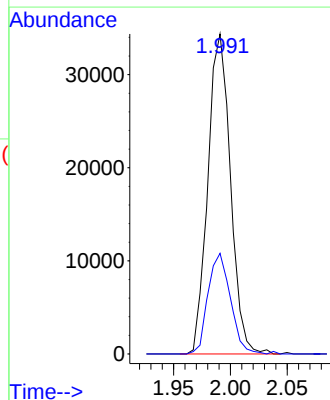
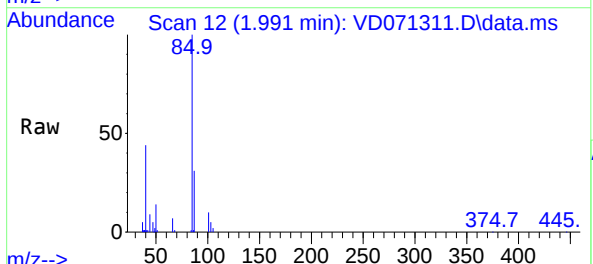
Instrument :  
MSVOA\_D  
ClientSampleId :

Tgt Ion:168 Resp: 269620  
Ion Ratio Lower Upper  
168 100  
99 62.8 46.6 69.8

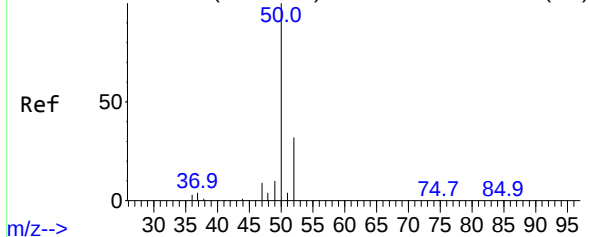


#2  
Dichlorodifluoromethane  
Concen: 20.694 ug/l  
RT: 1.991 min Scan# 12  
Delta R.T. -0.000 min  
Lab File: VD071311.D  
Acq: 14 Dec 2021 10:47

Tgt Ion: 85 Resp: 47580  
Ion Ratio Lower Upper  
85 100  
87 31.5 15.2 45.6



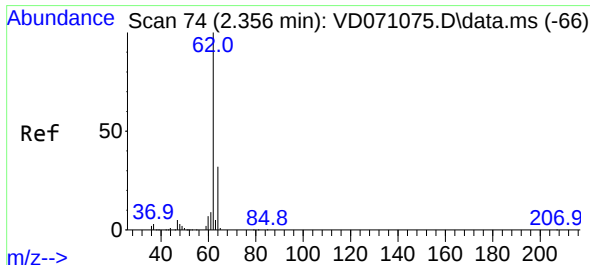
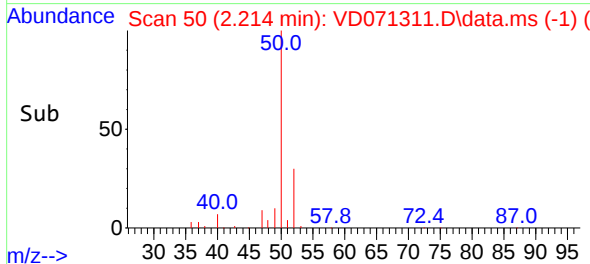
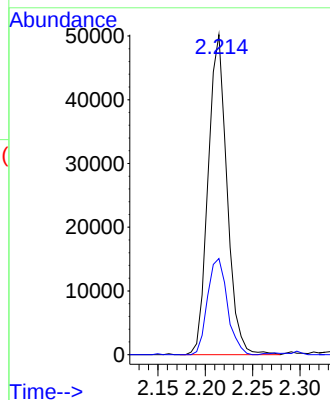
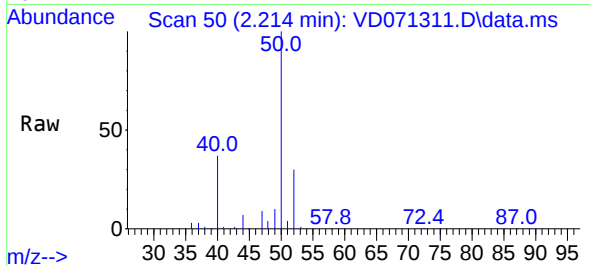
Abundance Scan 50 (2.215 min): VD071075.D\data.ms (-43)



#3  
Chloromethane  
Concen: 22.808 ug/l  
RT: 2.214 min Scan# 50  
Delta R.T. -0.001 min  
Lab File: VD071311.D  
Acq: 14 Dec 2021 10:47

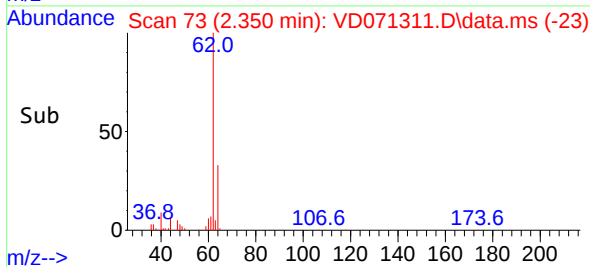
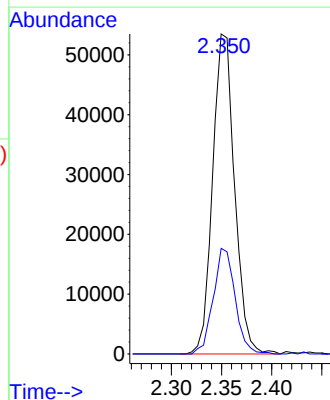
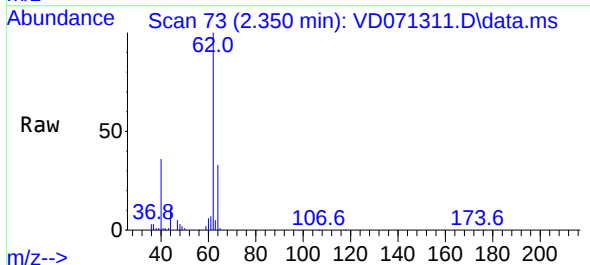
Instrument :  
MSVOA\_D  
ClientSampleId :

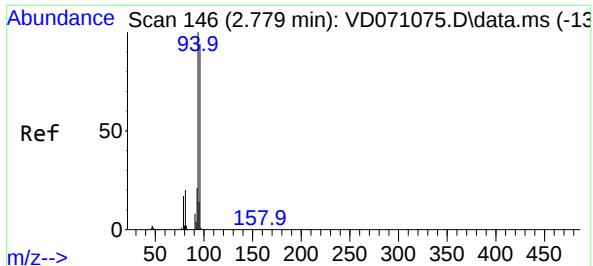
Tgt Ion: 50 Resp: 69378  
Ion Ratio Lower Upper  
50 100  
52 30.1 25.8 38.8



#4  
Vinyl Chloride  
Concen: 23.964 ug/l  
RT: 2.350 min Scan# 73  
Delta R.T. -0.006 min  
Lab File: VD071311.D  
Acq: 14 Dec 2021 10:47

Tgt Ion: 62 Resp: 81325  
Ion Ratio Lower Upper  
62 100  
64 33.0 26.0 39.0

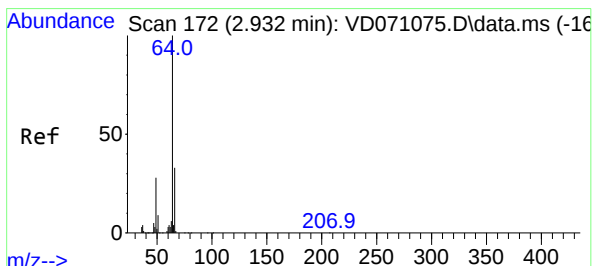
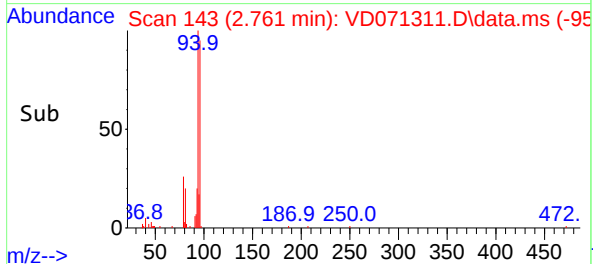
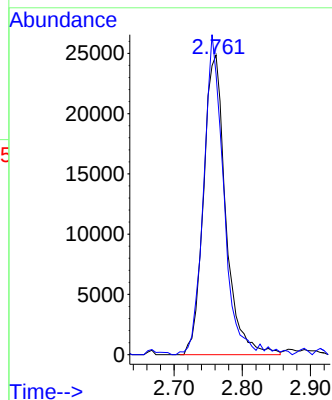
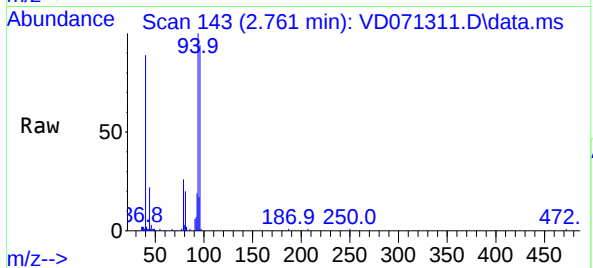




#5  
Bromomethane  
Concen: 22.987 ug/l  
RT: 2.761 min Scan# 146  
Delta R.T. -0.018 min  
Lab File: VD071311.D  
Acq: 14 Dec 2021 10:47

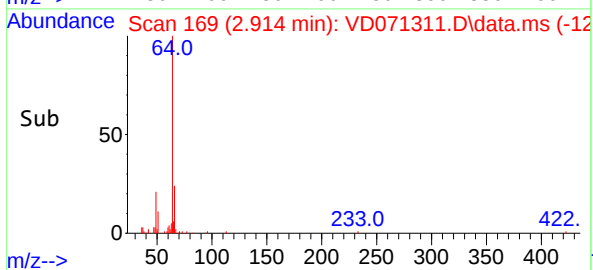
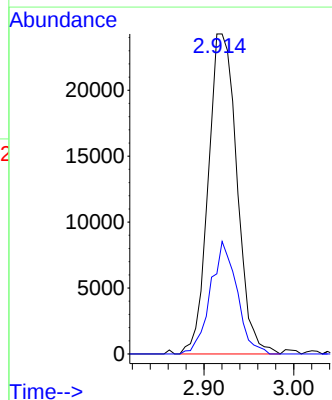
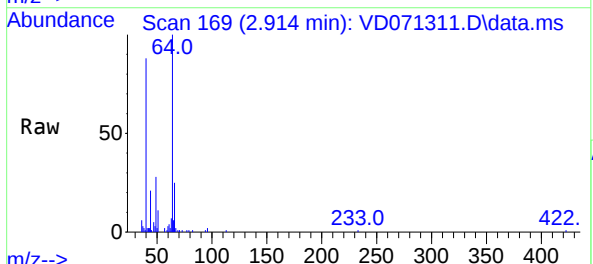
Instrument :  
MSVOA\_D  
ClientSampleId :

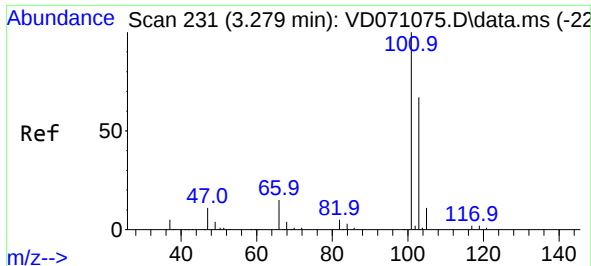
Tgt Ion: 94 Resp: 56234  
Ion Ratio Lower Upper  
94 100  
96 92.7 74.8 112.2



#6  
Chloroethane  
Concen: 23.123 ug/l  
RT: 2.914 min Scan# 169  
Delta R.T. -0.018 min  
Lab File: VD071311.D  
Acq: 14 Dec 2021 10:47

Tgt Ion: 64 Resp: 53971  
Ion Ratio Lower Upper  
64 100  
66 25.1 29.0 43.4#

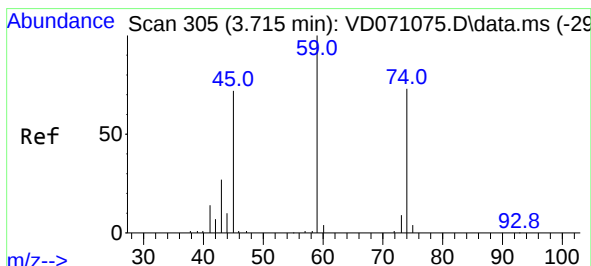
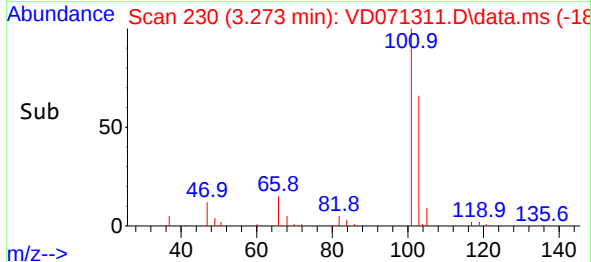
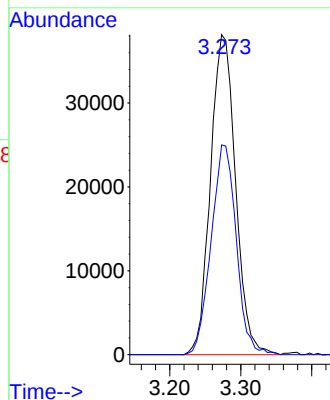
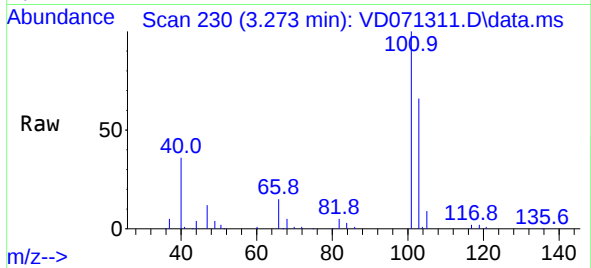




#7  
 Trichlorofluoromethane  
 Concen: 20.327 ug/l  
 RT: 3.273 min Scan# 21  
 Delta R.T. -0.006 min  
 Lab File: VD071311.D  
 Acq: 14 Dec 2021 10:47

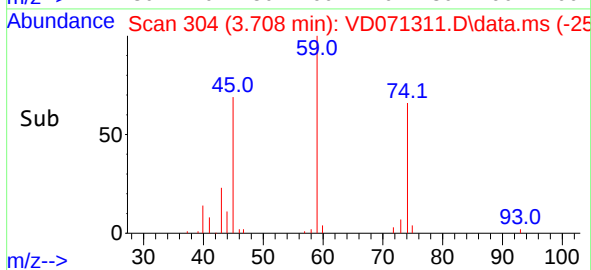
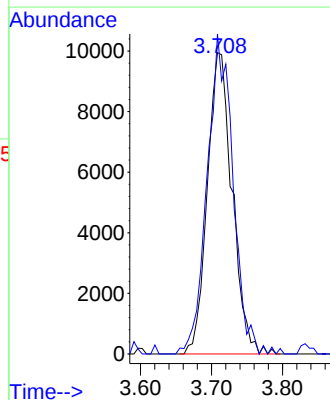
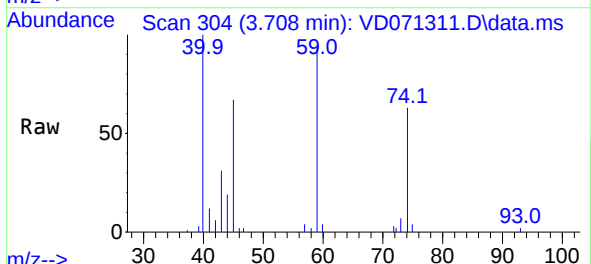
Instrument :  
 MSVOA\_D  
 ClientSampleId :

Tgt Ion:101 Resp: 93450  
 Ion Ratio Lower Upper  
 101 100  
 103 65.5 49.7 74.5



#8  
 Diethyl Ether  
 Concen: 19.419 ug/l  
 RT: 3.708 min Scan# 304  
 Delta R.T. -0.007 min  
 Lab File: VD071311.D  
 Acq: 14 Dec 2021 10:47

Tgt Ion: 74 Resp: 24202  
 Ion Ratio Lower Upper  
 74 100  
 45 109.5 49.6 149.0

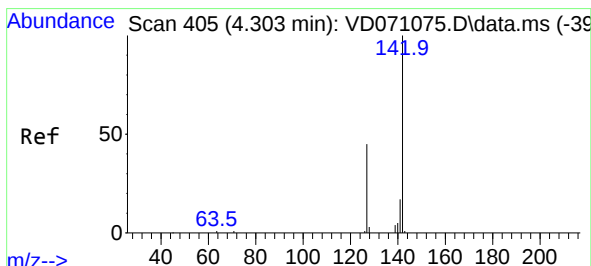
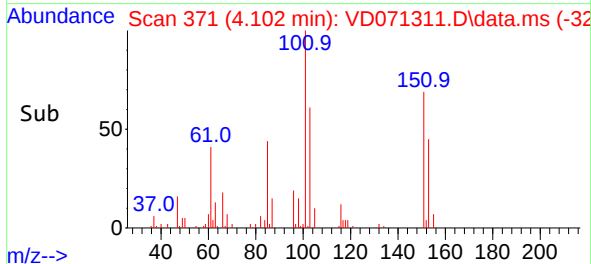
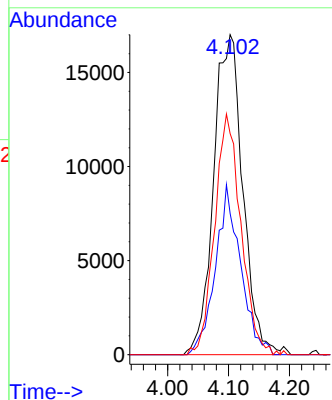
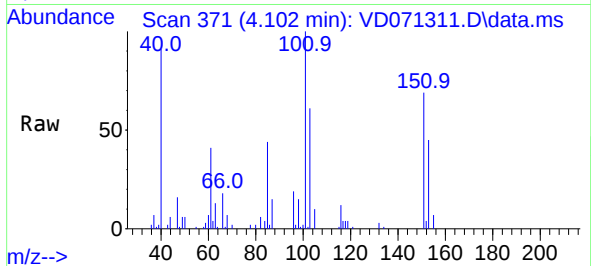




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 20.839 ug/l  
RT: 4.102 min Scan# 31  
Delta R.T. -0.001 min  
Lab File: VD071311.D  
Acq: 14 Dec 2021 10:47

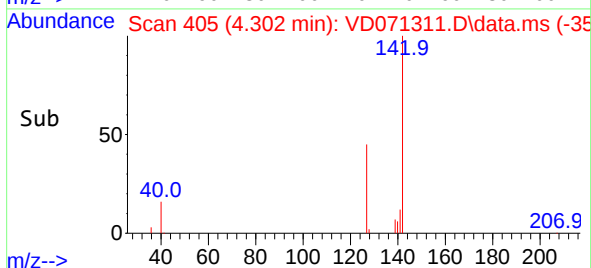
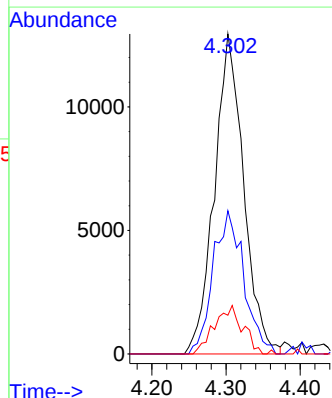
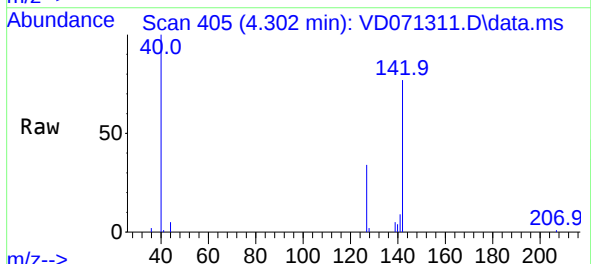
Instrument :  
MSVOA\_D  
ClientSampleId :

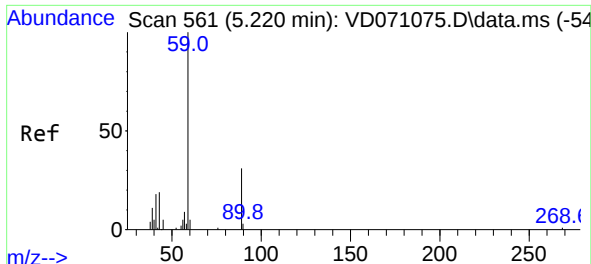
Tgt Ion:101 Resp: 56520  
Ion Ratio Lower Upper  
101 100  
85 46.0 34.8 52.2  
151 68.2 60.4 90.6



#10  
Methyl Iodide  
Concen: 14.783 ug/l  
RT: 4.302 min Scan# 405  
Delta R.T. -0.001 min  
Lab File: VD071311.D  
Acq: 14 Dec 2021 10:47

Tgt Ion:142 Resp: 35467  
Ion Ratio Lower Upper  
142 100  
127 46.9 35.0 52.4  
141 14.7 12.0 18.0

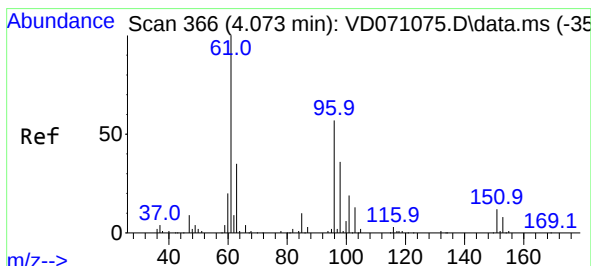
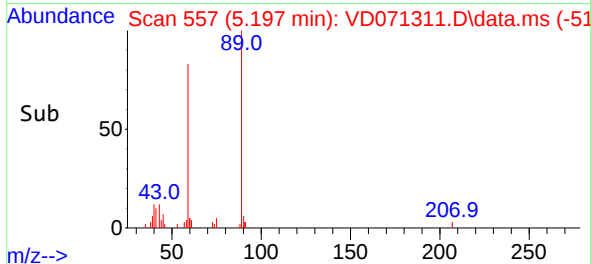
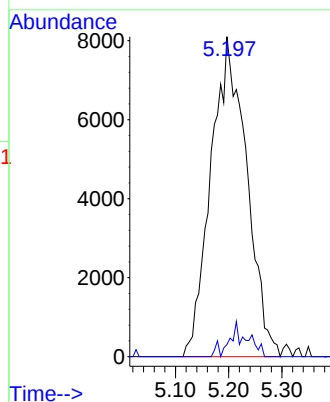
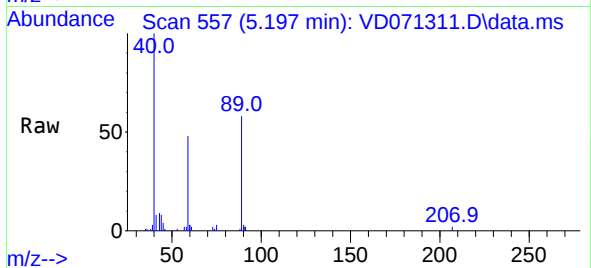




#11  
Tert butyl alcohol  
Concen: 161.968 ug/l  
RT: 5.197 min Scan# 51  
Delta R.T. -0.023 min  
Lab File: VD071311.D  
Acq: 14 Dec 2021 10:47

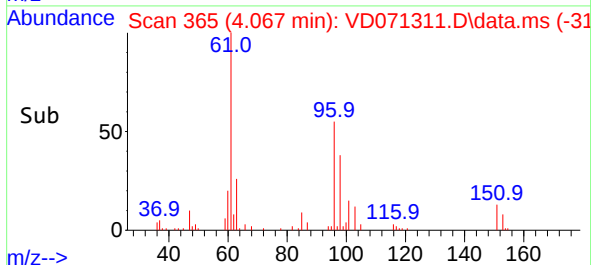
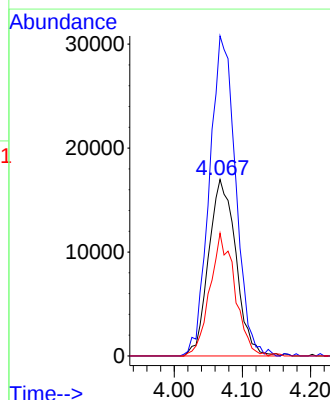
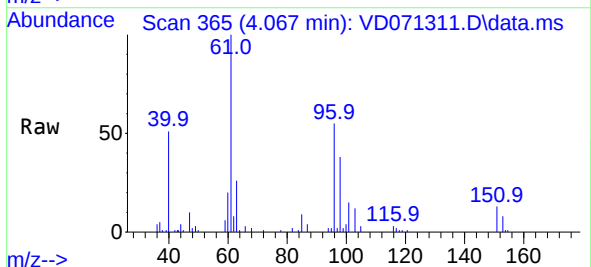
Instrument :  
MSVOA\_D  
ClientSampleId :

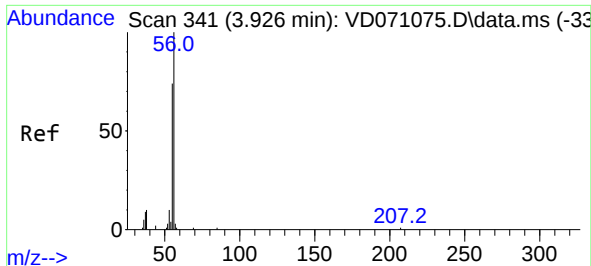
Tgt Ion: 59 Resp: 37748  
Ion Ratio Lower Upper  
59 100  
57 3.3 9.0 13.4#



#12  
1,1-Dichloroethene  
Concen: 18.860 ug/l  
RT: 4.067 min Scan# 365  
Delta R.T. -0.006 min  
Lab File: VD071311.D  
Acq: 14 Dec 2021 10:47

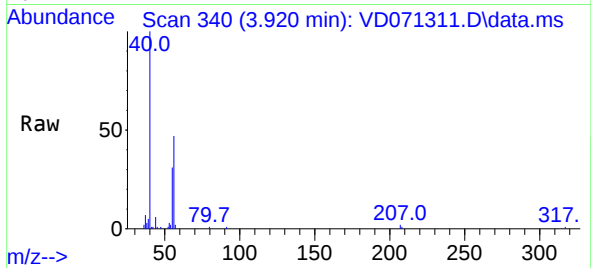
Tgt Ion: 96 Resp: 47206  
Ion Ratio Lower Upper  
96 100  
61 181.3 120.3 180.5#  
98 69.6 54.4 81.6



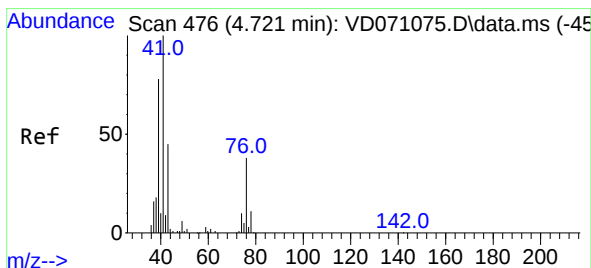
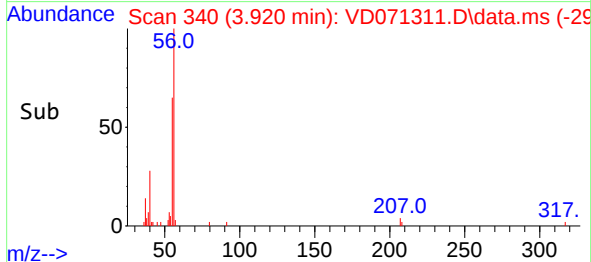
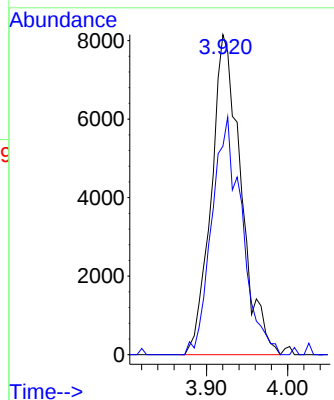


#13  
Acrolein  
Concen: 95.687 ug/l  
RT: 3.920 min Scan# 341  
Delta R.T. -0.006 min  
Lab File: VD071311.D  
Acq: 14 Dec 2021 10:47

Instrument :  
MSVOA\_D  
ClientSampleId :

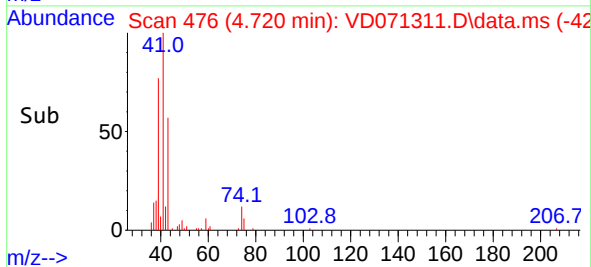
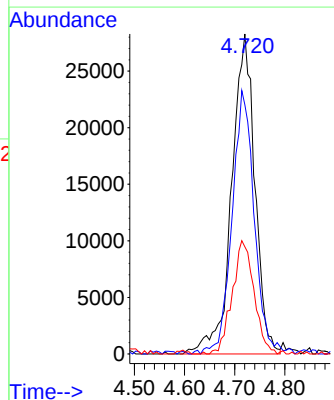
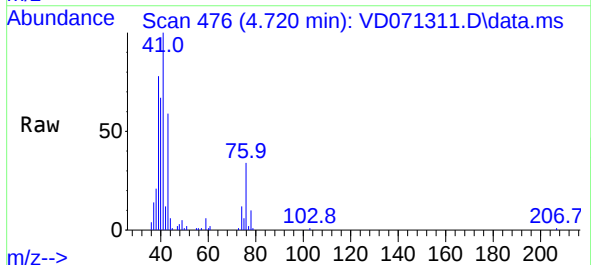


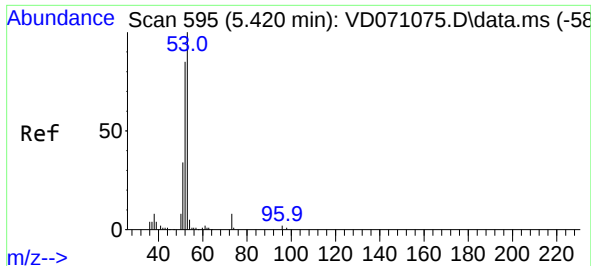
Tgt Ion: 56 Resp: 20687  
Ion Ratio Lower Upper  
56 100  
55 75.6 58.6 87.8



#14  
Allyl chloride  
Concen: 19.149 ug/l  
RT: 4.720 min Scan# 476  
Delta R.T. -0.001 min  
Lab File: VD071311.D  
Acq: 14 Dec 2021 10:47

Tgt Ion: 41 Resp: 91041  
Ion Ratio Lower Upper  
41 100  
39 78.7 45.6 68.4#  
76 33.3 30.2 45.4

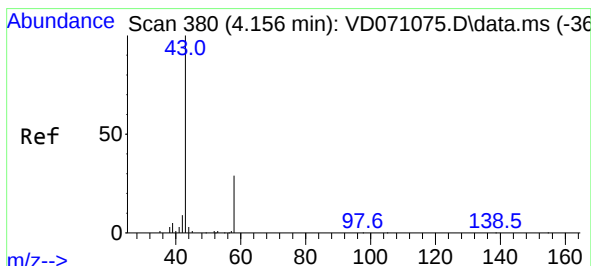
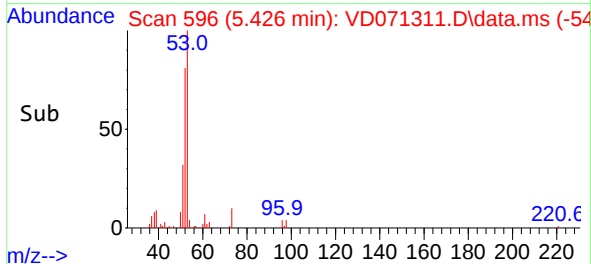
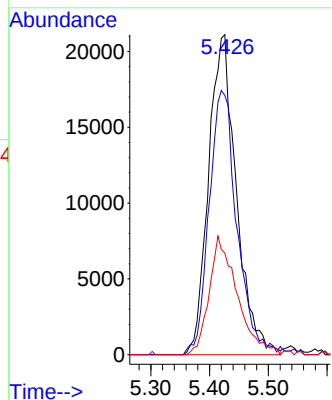
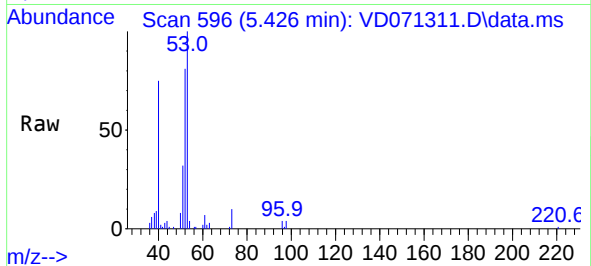




#15  
Acrylonitrile  
Concen: 114.312 ug/l  
RT: 5.426 min Scan# 595  
Delta R.T. 0.006 min  
Lab File: VD071311.D  
Acq: 14 Dec 2021 10:47

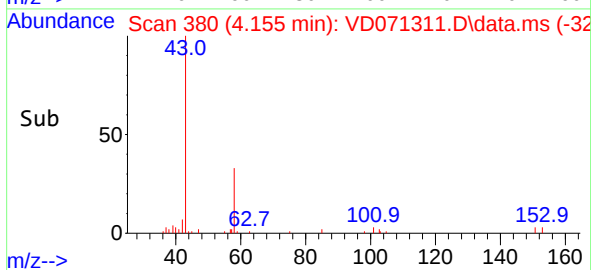
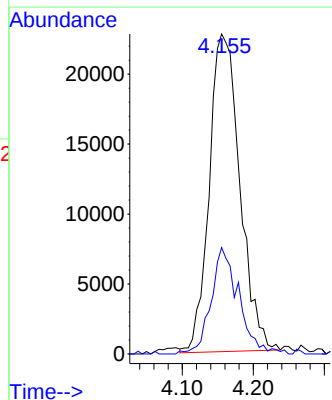
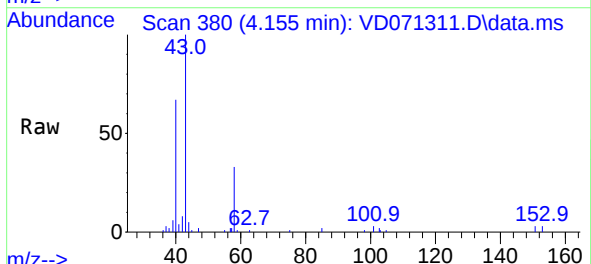
Instrument :  
MSVOA\_D  
ClientSampleId :

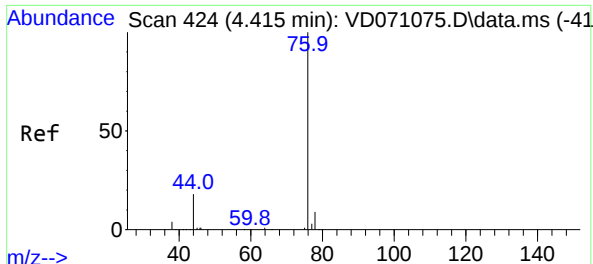
Tgt Ion: 53 Resp: 69286  
Ion Ratio Lower Upper  
53 100  
52 82.6 63.8 95.8  
51 37.4 28.5 42.7



#16  
Acetone  
Concen: 101.718 ug/l  
RT: 4.155 min Scan# 380  
Delta R.T. -0.001 min  
Lab File: VD071311.D  
Acq: 14 Dec 2021 10:47

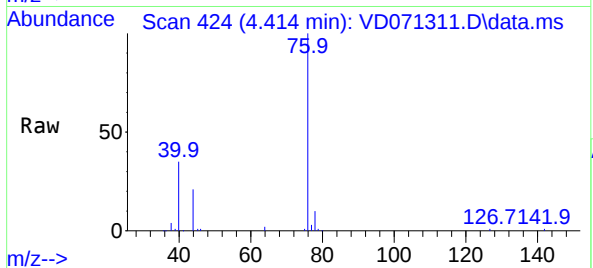
Tgt Ion: 43 Resp: 67950  
Ion Ratio Lower Upper  
43 100  
58 32.9 27.8 41.8



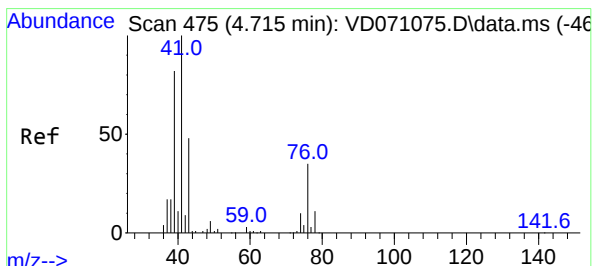
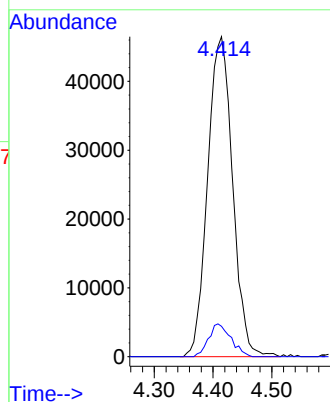
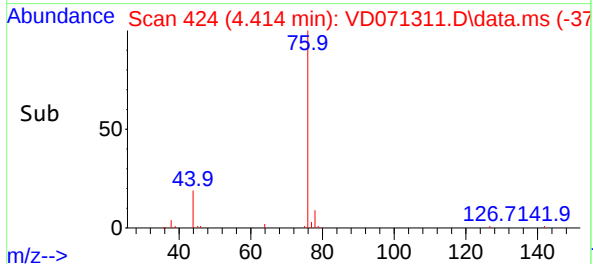


#17  
Carbon Disulfide  
Concen: 18.737 ug/l  
RT: 4.414 min Scan# 41  
Delta R.T. -0.001 min  
Lab File: VD071311.D  
Acq: 14 Dec 2021 10:47

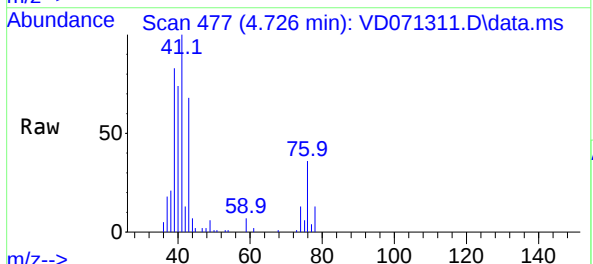
Instrument :  
MSVOA\_D  
ClientSampleId :



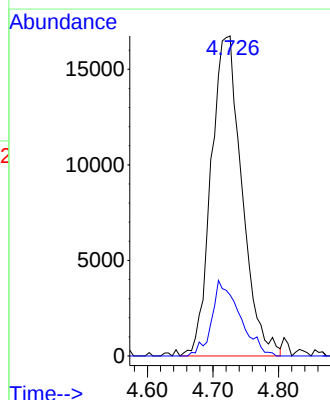
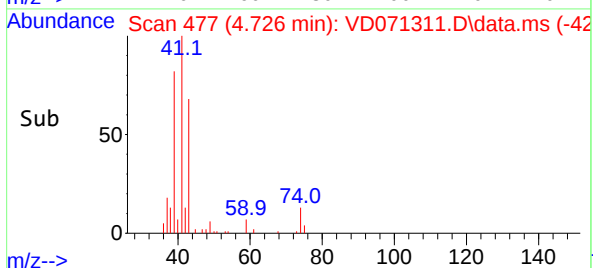
Tgt Ion: 76 Resp: 137314  
Ion Ratio Lower Upper  
76 100  
78 9.5 7.8 11.8

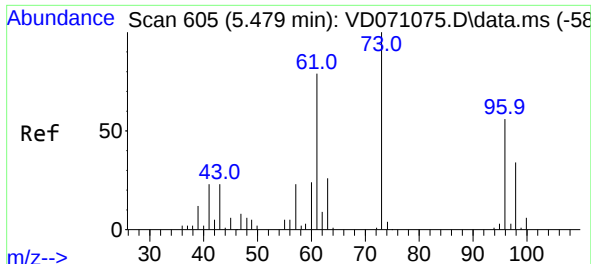


#18  
Methyl Acetate  
Concen: 23.372 ug/l  
RT: 4.726 min Scan# 477  
Delta R.T. 0.011 min  
Lab File: VD071311.D  
Acq: 14 Dec 2021 10:47



Tgt Ion: 43 Resp: 54556  
Ion Ratio Lower Upper  
43 100  
74 21.4 19.3 28.9





#19

Methyl tert-butyl Ether

Concen: 20.317 ug/l

RT: 5.479 min Scan# 605

Delta R.T. -0.000 min

Lab File: VD071311.D

Acq: 14 Dec 2021 10:47

Instrument :

MSVOA\_D

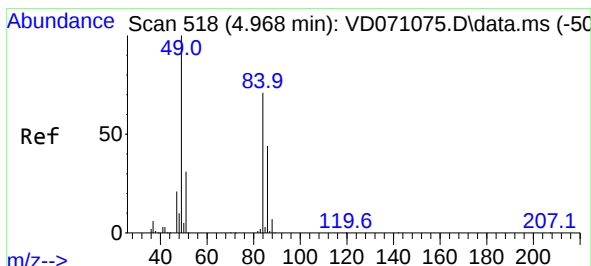
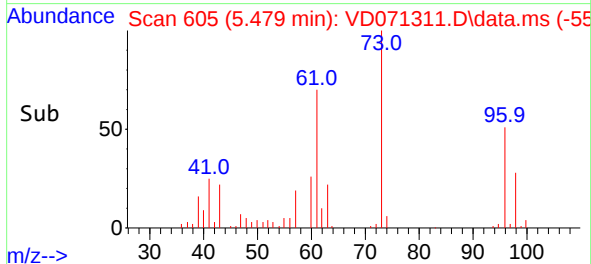
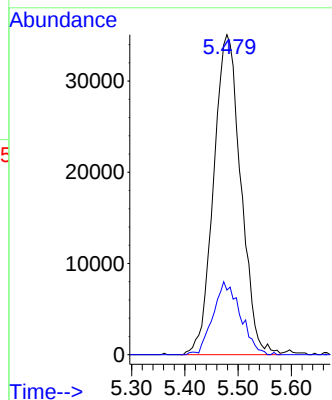
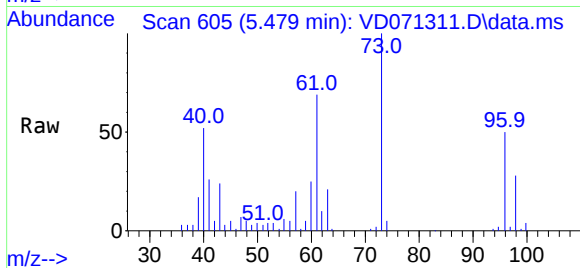
ClientSampleId :

Tgt Ion: 73 Resp: 124628

Ion Ratio Lower Upper

73 100

57 20.2 18.9 28.3



#20

Methylene Chloride

Concen: 20.379 ug/l

RT: 4.961 min Scan# 517

Delta R.T. -0.007 min

Lab File: VD071311.D

Acq: 14 Dec 2021 10:47

Tgt Ion: 84 Resp: 72957

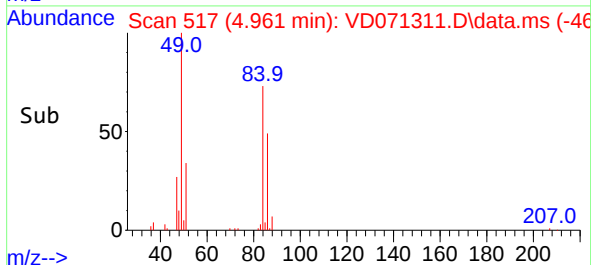
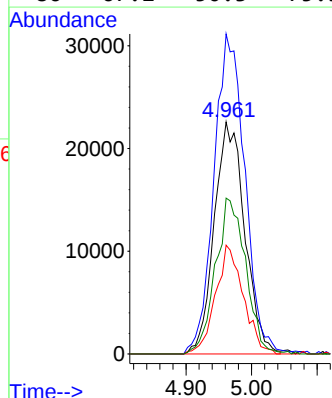
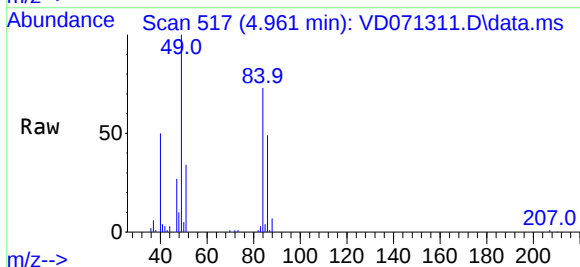
Ion Ratio Lower Upper

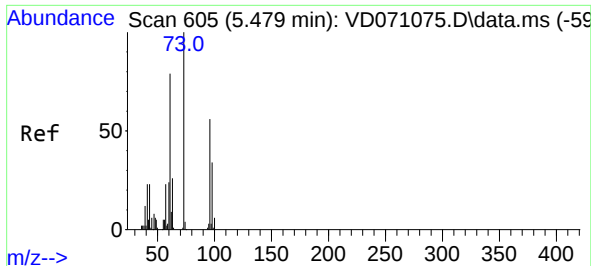
84 100

49 137.9 95.8 143.6

51 46.9 30.9 46.3

86 67.2 50.3 75.5

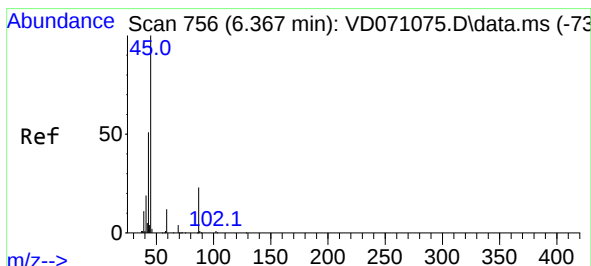
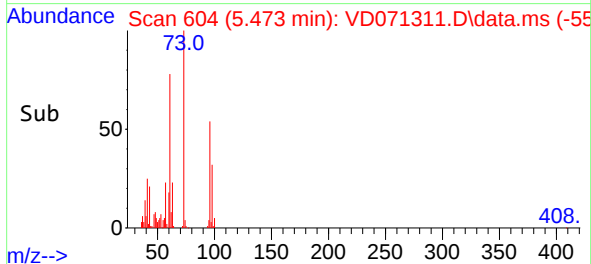
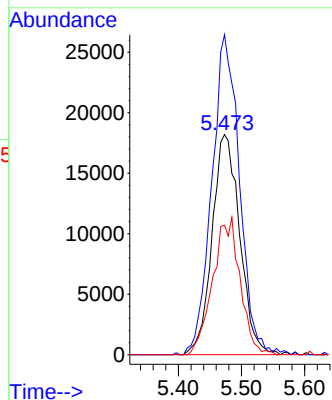
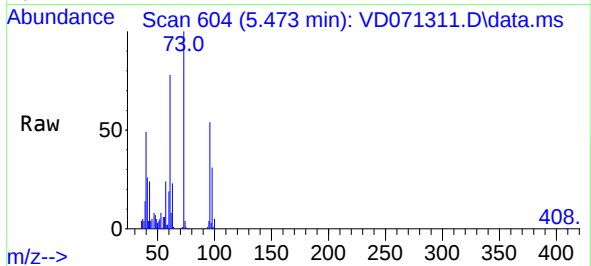




#21  
trans-1,2-Dichloroethene  
Concen: 19.631 ug/l  
RT: 5.473 min Scan# 604  
Delta R.T. -0.006 min  
Lab File: VD071311.D  
Acq: 14 Dec 2021 10:47

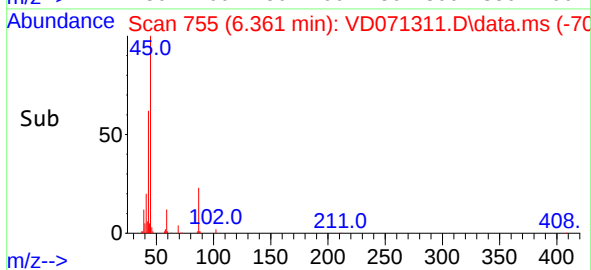
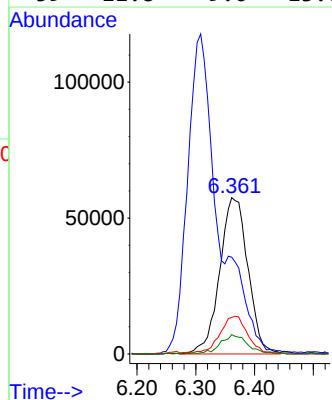
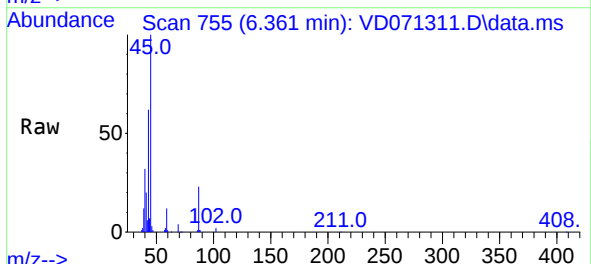
Instrument :  
MSVOA\_D  
ClientSampleId :

Tgt Ion: 96 Resp: 55310  
Ion Ratio Lower Upper  
96 100  
61 145.3 102.1 153.1  
98 58.8 50.1 75.1



#22  
Diisopropyl ether  
Concen: 20.139 ug/l  
RT: 6.361 min Scan# 755  
Delta R.T. -0.006 min  
Lab File: VD071311.D  
Acq: 14 Dec 2021 10:47

Tgt Ion: 45 Resp: 191835  
Ion Ratio Lower Upper  
45 100  
43 59.9 39.6 59.4#  
87 22.8 21.2 31.8  
59 11.8 9.0 13.6

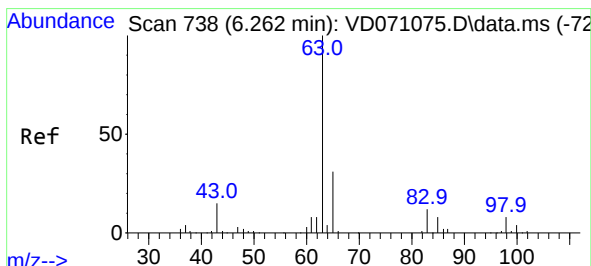
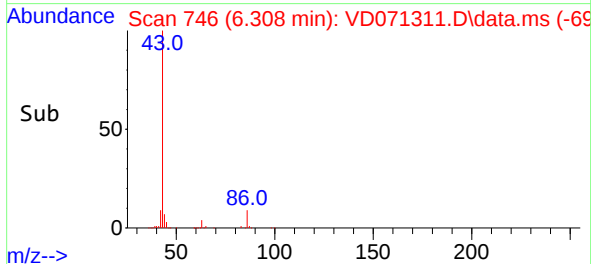
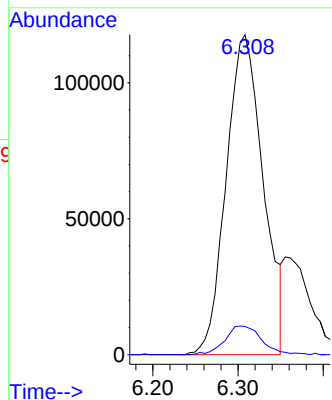
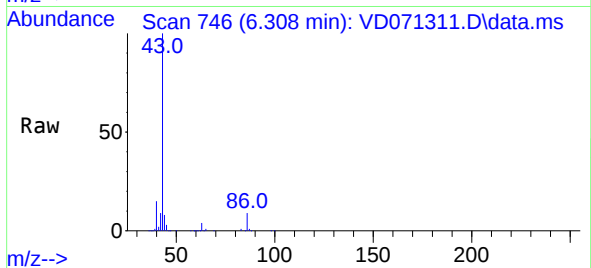




#23  
 Vinyl Acetate  
 Concen: 88.767 ug/l  
 RT: 6.308 min Scan# 746  
 Delta R.T. -0.001 min  
 Lab File: VD071311.D  
 Acq: 14 Dec 2021 10:47

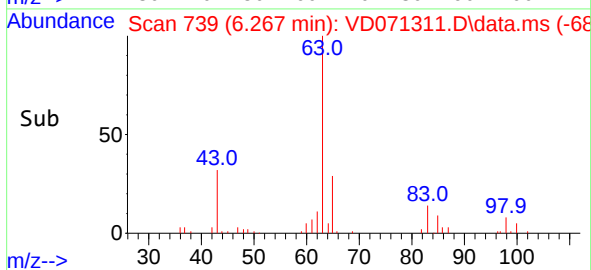
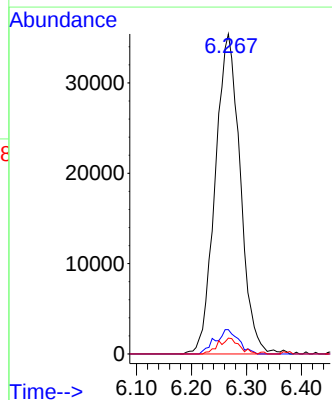
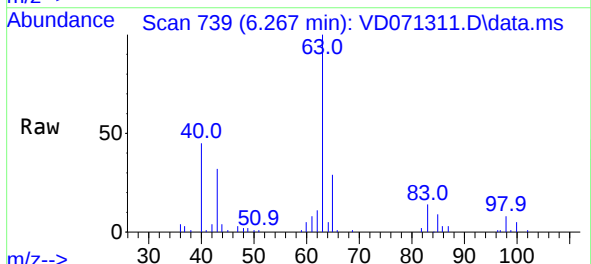
Instrument :  
 MSVOA\_D  
 ClientSampleId :

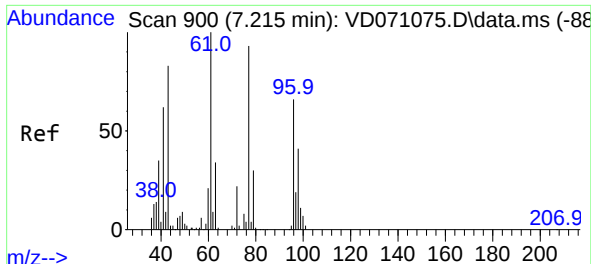
Tgt Ion: 43 Resp: 355774  
 Ion Ratio Lower Upper  
 43 100  
 86 8.6 8.2 12.4



#24  
 1,1-Dichloroethane  
 Concen: 20.377 ug/l  
 RT: 6.267 min Scan# 739  
 Delta R.T. 0.005 min  
 Lab File: VD071311.D  
 Acq: 14 Dec 2021 10:47

Tgt Ion: 63 Resp: 111642  
 Ion Ratio Lower Upper  
 63 100  
 98 7.6 3.5 10.6  
 100 5.0 2.1 6.3

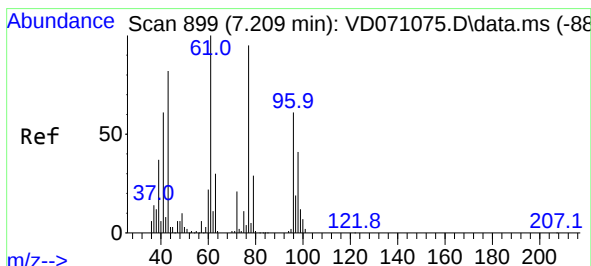
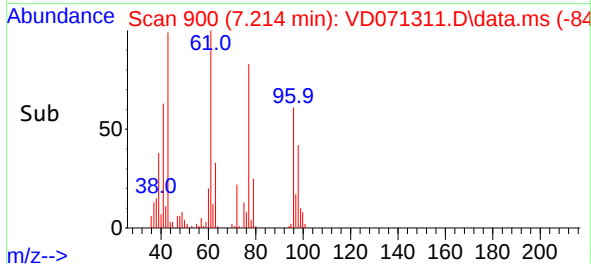
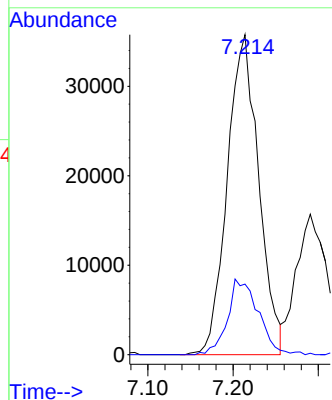
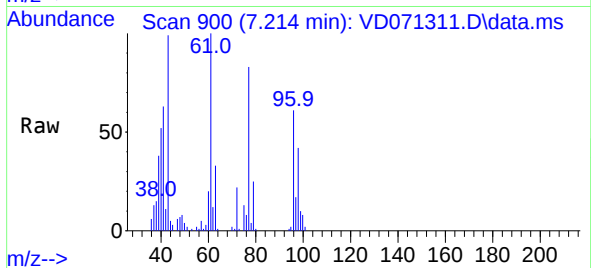




#25  
2-Butanone  
Concen: 112.216 ug/l  
RT: 7.214 min Scan# 900  
Delta R.T. -0.001 min  
Lab File: VD071311.D  
Acq: 14 Dec 2021 10:47

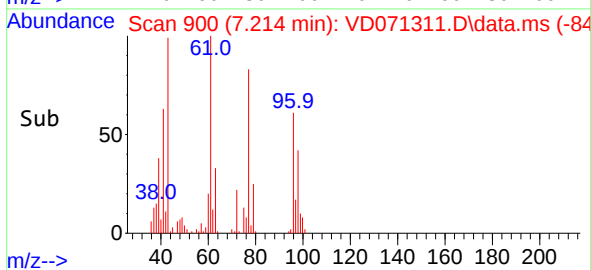
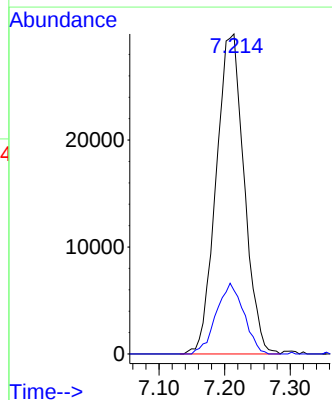
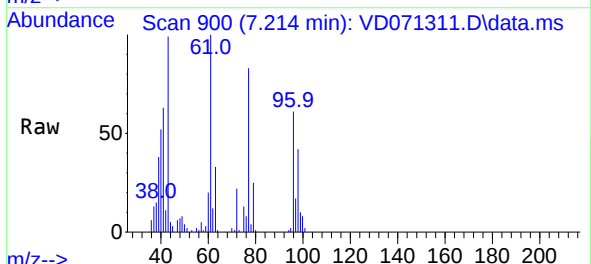
Instrument :  
MSVOA\_D  
ClientSampleId :

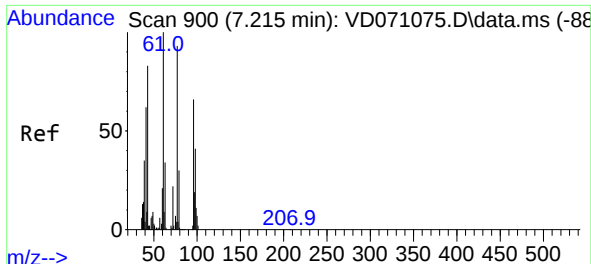
Tgt Ion: 43 Resp: 91773  
Ion Ratio Lower Upper  
43 100  
72 22.1 23.8 35.6#



#26  
2,2-Dichloropropane  
Concen: 17.802 ug/l  
RT: 7.214 min Scan# 900  
Delta R.T. 0.005 min  
Lab File: VD071311.D  
Acq: 14 Dec 2021 10:47

Tgt Ion: 77 Resp: 88691  
Ion Ratio Lower Upper  
77 100  
97 21.9 11.9 35.5



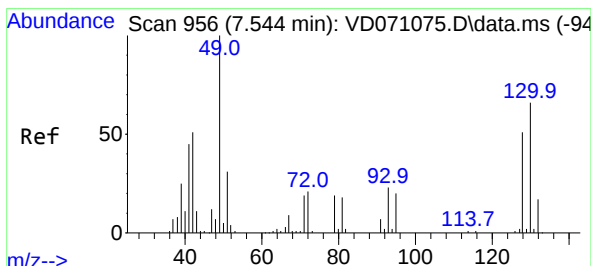
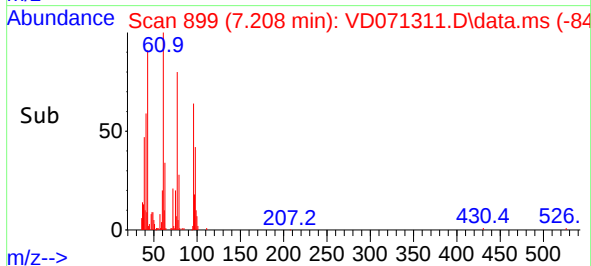
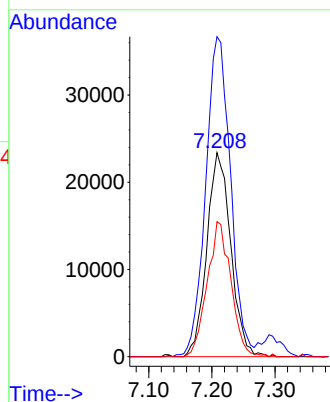
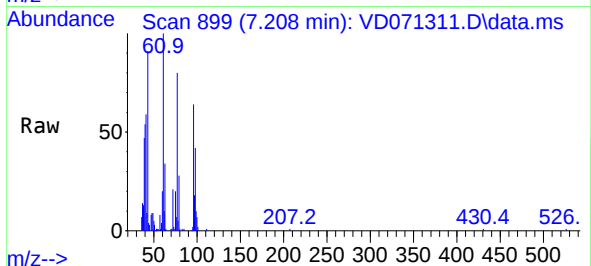


#27  
 cis-1,2-Dichloroethene  
 Concen: 19.367 ug/l  
 RT: 7.208 min Scan# 899  
 Delta R.T. -0.007 min  
 Lab File: VD071311.D  
 Acq: 14 Dec 2021 10:47

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Tgt Ion: 96 Resp: 61732  

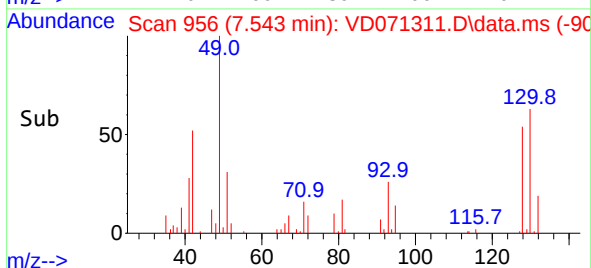
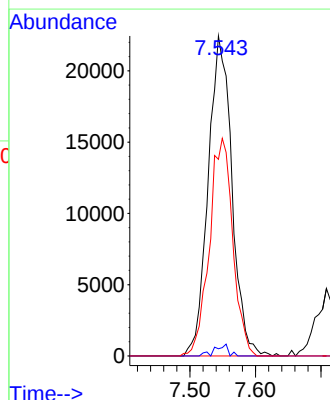
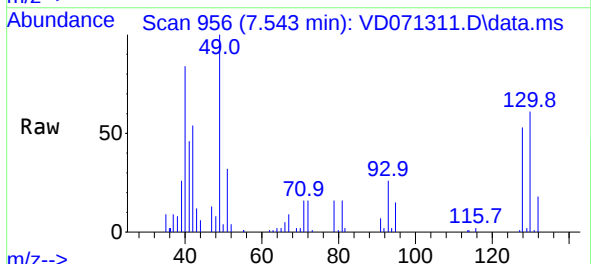
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 162.7 | 0.0   | 288.6 |
| 98  | 65.4  | 0.0   | 129.2 |

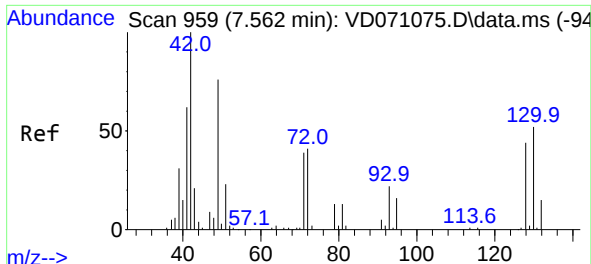


#28  
 Bromochloromethane  
 Concen: 23.716 ug/l  
 RT: 7.543 min Scan# 956  
 Delta R.T. -0.001 min  
 Lab File: VD071311.D  
 Acq: 14 Dec 2021 10:47

Tgt Ion: 49 Resp: 56436  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 49  | 100   |       |       |
| 129 | 2.1   | 0.0   | 4.0   |
| 130 | 67.0  | 60.2  | 90.2  |





#29

Tetrahydrofuran

Concen: 109.786 ug/l

RT: 7.567 min Scan# 9

Delta R.T. 0.005 min

Lab File: VD071311.D

Acq: 14 Dec 2021 10:47

Instrument :

MSVOA\_D

ClientSampleId :

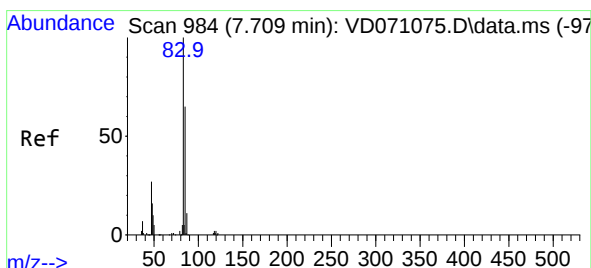
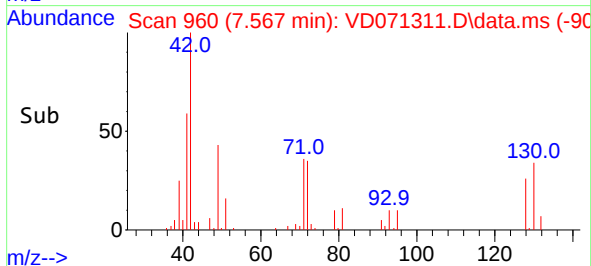
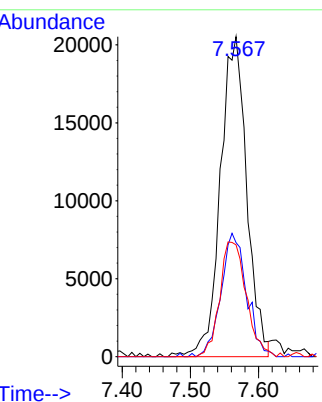
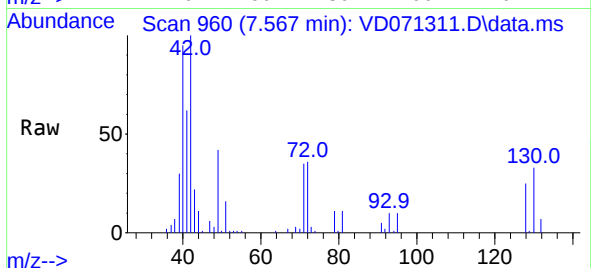
Tgt Ion: 42 Resp: 55152

Ion Ratio Lower Upper

42 100

72 37.3 33.7 50.5

71 36.3 32.7 49.1



#30

Chloroform

Concen: 20.358 ug/l

RT: 7.708 min Scan# 984

Delta R.T. -0.001 min

Lab File: VD071311.D

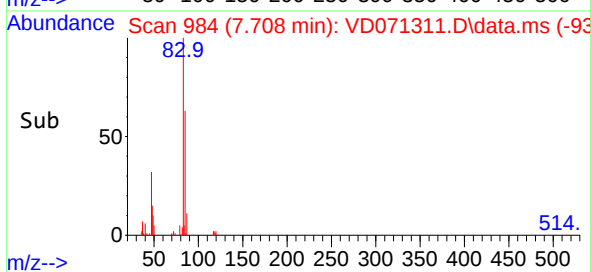
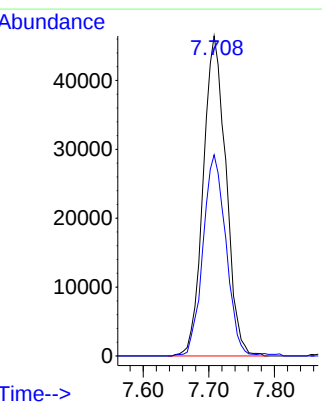
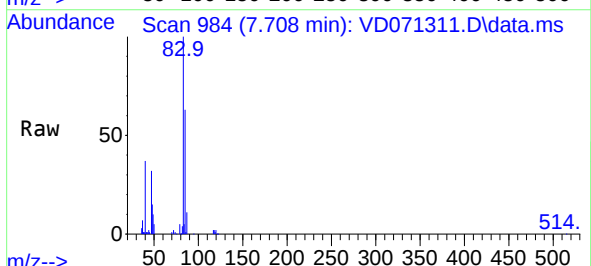
Acq: 14 Dec 2021 10:47

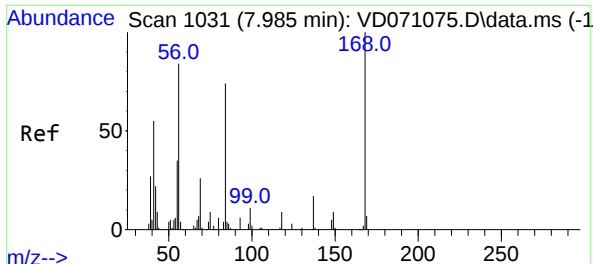
Tgt Ion: 83 Resp: 111938

Ion Ratio Lower Upper

83 100

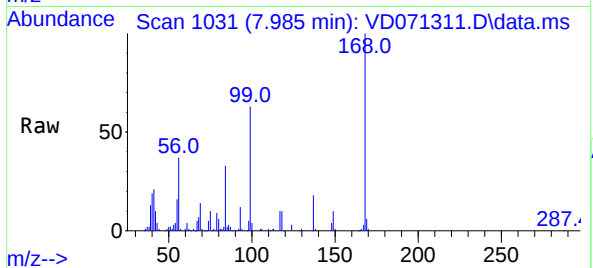
85 62.8 51.0 76.6



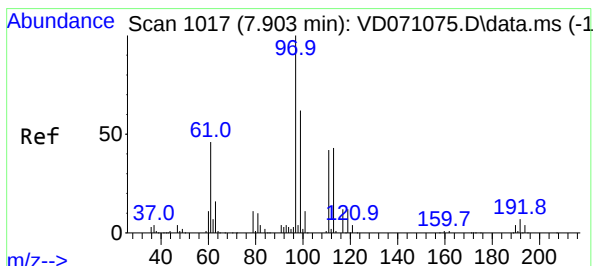
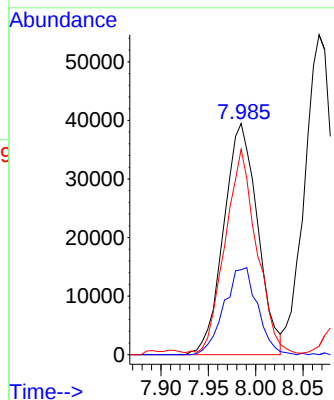
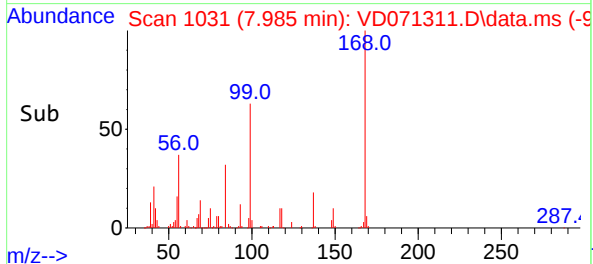


#31  
Cyclohexane  
Concen: 18.257 ug/l  
RT: 7.985 min Scan# 1031  
Delta R.T. -0.000 min  
Lab File: VD071311.D  
Acq: 14 Dec 2021 10:47

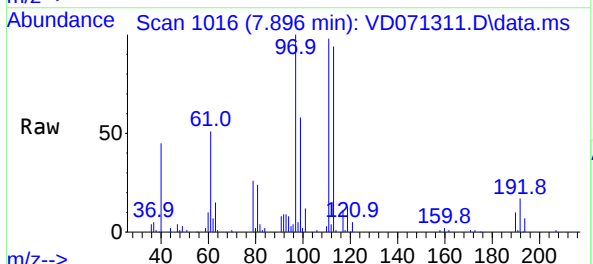
Instrument :  
MSVOA\_D  
ClientSampleId :



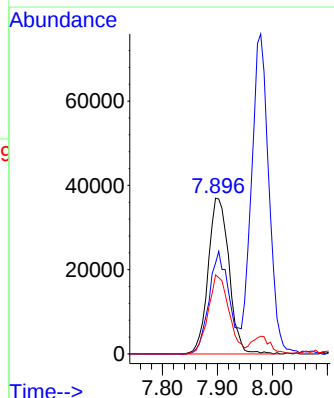
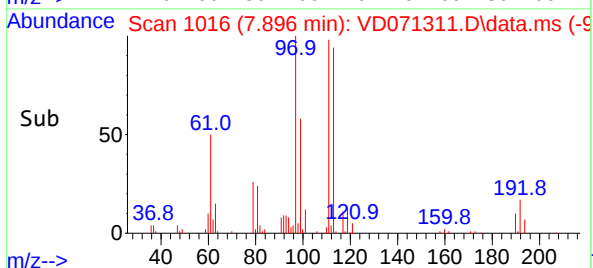
Tgt Ion: 56 Resp: 98248  
Ion Ratio Lower Upper  
56 100  
69 36.8 25.9 38.9  
84 87.5 64.3 96.5

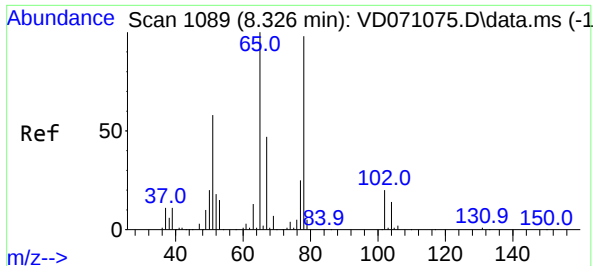


#32  
1,1,1-Trichloroethane  
Concen: 19.787 ug/l  
RT: 7.896 min Scan# 1016  
Delta R.T. -0.007 min  
Lab File: VD071311.D  
Acq: 14 Dec 2021 10:47



Tgt Ion: 97 Resp: 97678  
Ion Ratio Lower Upper  
97 100  
99 64.9 50.3 75.5  
61 50.4 33.0 49.4#





#33

1,2-Dichloroethane-d4

Concen: 51.269 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD071311.D

Acq: 14 Dec 2021 10:47

Instrument :

MSVOA\_D

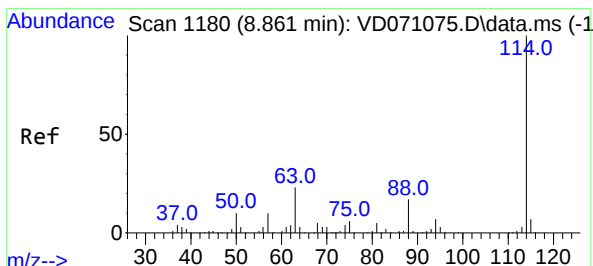
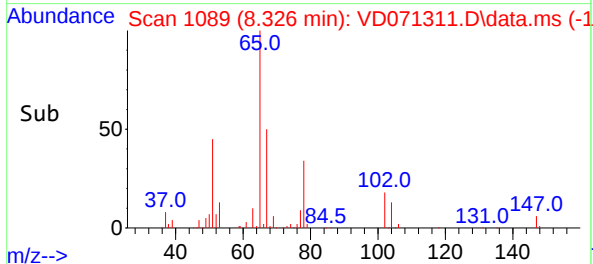
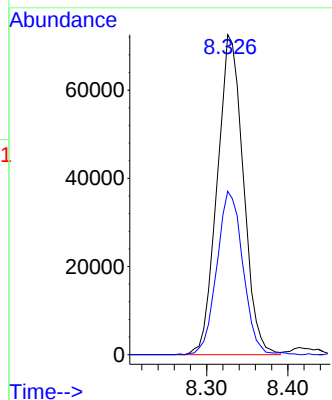
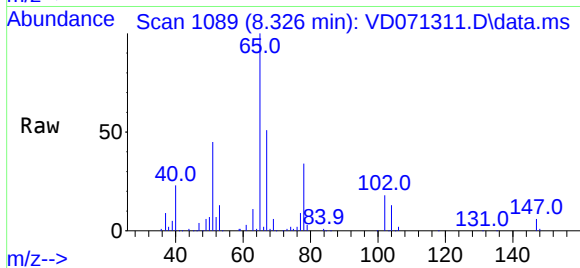
ClientSampleId :

Tgt Ion: 65 Resp: 162198

Ion Ratio Lower Upper

65 100

67 51.2 0.0 112.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD071311.D

Acq: 14 Dec 2021 10:47

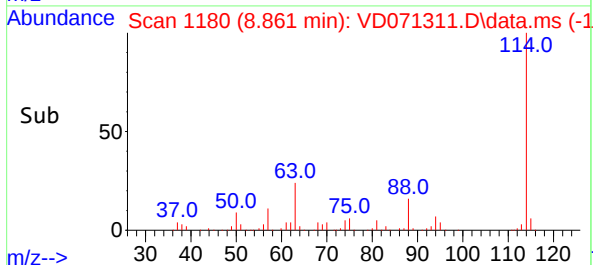
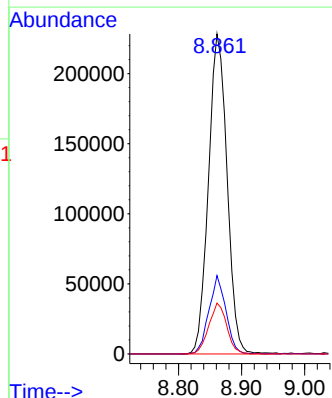
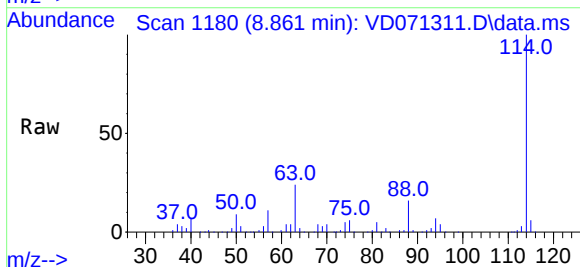
Tgt Ion: 114 Resp: 467875

Ion Ratio Lower Upper

114 100

63 24.5 0.0 41.8

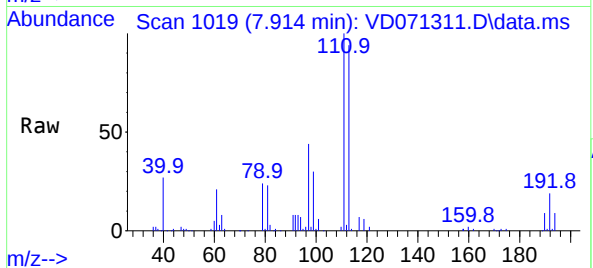
88 15.9 0.0 32.8



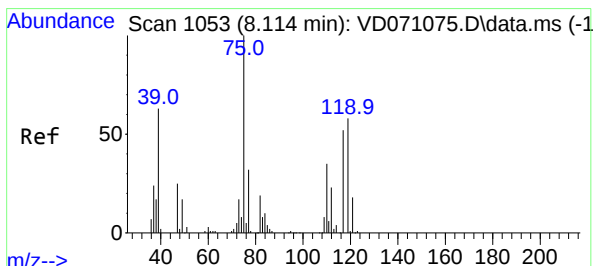
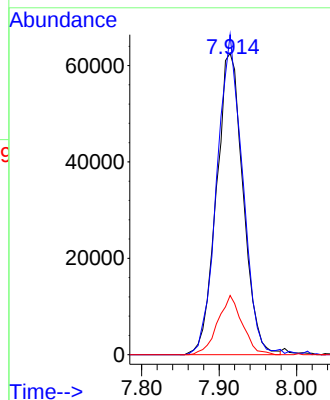
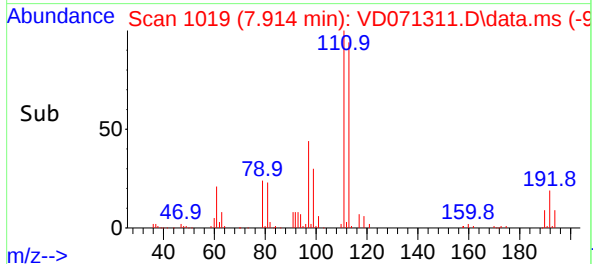


#35  
Dibromofluoromethane  
Concen: 50.209 ug/l  
RT: 7.914 min Scan# 1019  
Delta R.T. -0.006 min  
Lab File: VD071311.D  
Acq: 14 Dec 2021 10:47

Instrument :  
MSVOA\_D  
ClientSampleId :

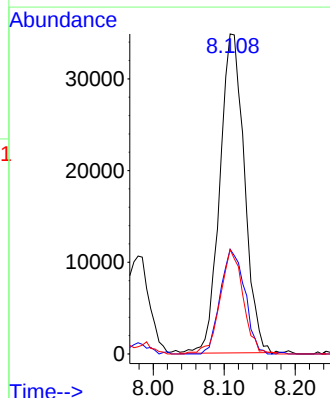
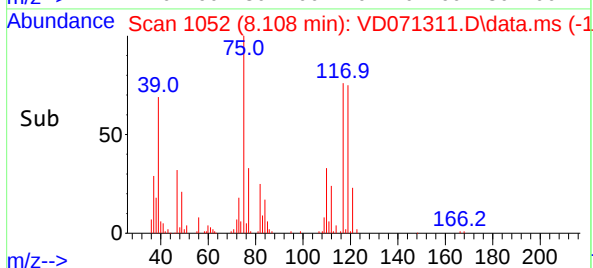
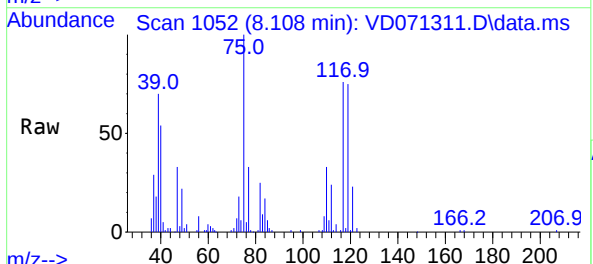


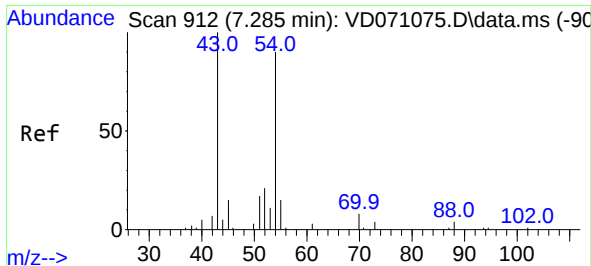
Tgt Ion:113 Resp: 149593  
Ion Ratio Lower Upper  
113 100  
111 102.7 82.0 123.0  
192 18.1 15.2 22.8



#36  
1,1-Dichloropropene  
Concen: 19.075 ug/l  
RT: 8.108 min Scan# 1052  
Delta R.T. -0.006 min  
Lab File: VD071311.D  
Acq: 14 Dec 2021 10:47

Tgt Ion: 75 Resp: 83413  
Ion Ratio Lower Upper  
75 100  
110 32.6 17.8 53.4  
77 30.7 24.8 37.2

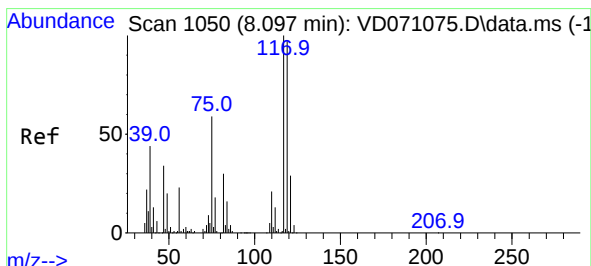
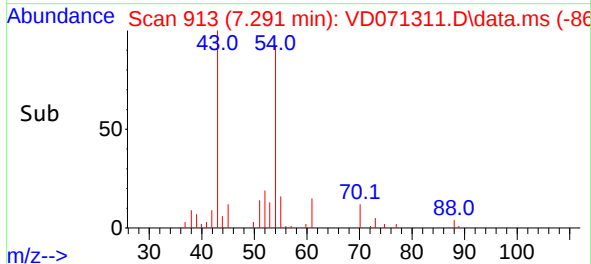
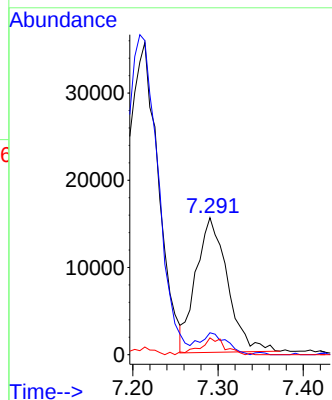
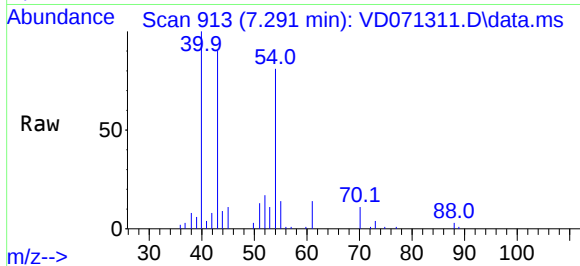




#37  
Ethyl Acetate  
Concen: 21.016 ug/l  
RT: 7.291 min Scan# 912  
Delta R.T. 0.006 min  
Lab File: VD071311.D  
Acq: 14 Dec 2021 10:47

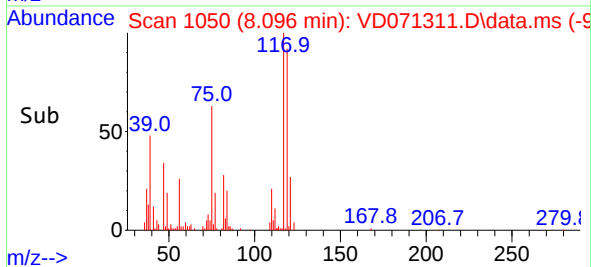
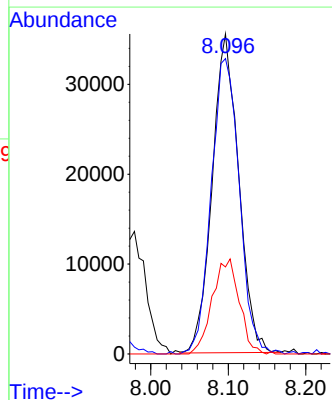
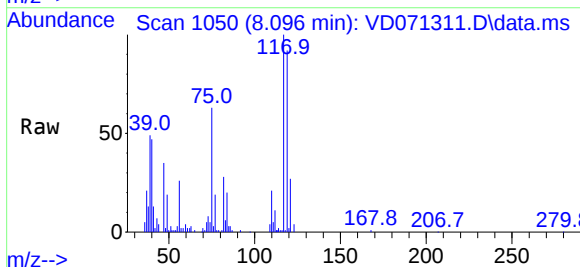
Instrument :  
MSVOA\_D  
ClientSampleId :

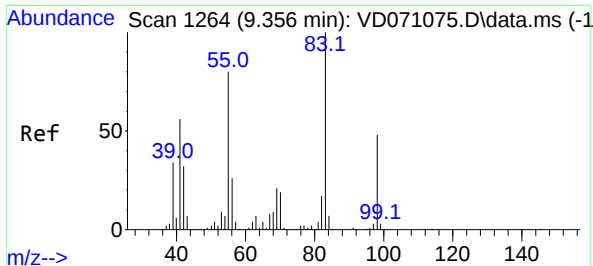
Tgt Ion: 43 Resp: 39697  
Ion Ratio Lower Upper  
43 100  
61 13.8 13.0 19.6  
70 10.1 8.7 13.1



#38  
Carbon Tetrachloride  
Concen: 19.564 ug/l  
RT: 8.096 min Scan# 1050  
Delta R.T. -0.001 min  
Lab File: VD071311.D  
Acq: 14 Dec 2021 10:47

Tgt Ion: 117 Resp: 84333  
Ion Ratio Lower Upper  
117 100  
119 92.8 75.8 113.6  
121 27.3 23.6 35.4





#39

Methylcyclohexane

Concen: 17.375 ug/l

RT: 9.355 min Scan# 1

Delta R.T. -0.001 min

Lab File: VD071311.D

Acq: 14 Dec 2021 10:47

Instrument :

MSVOA\_D

ClientSampleId :

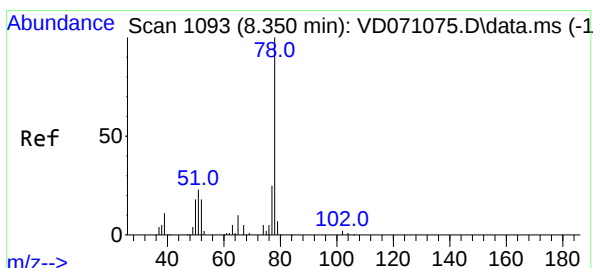
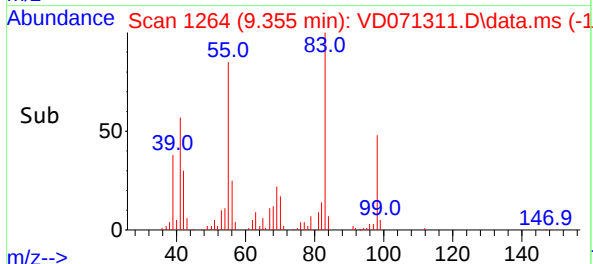
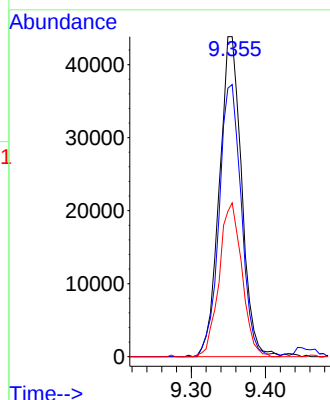
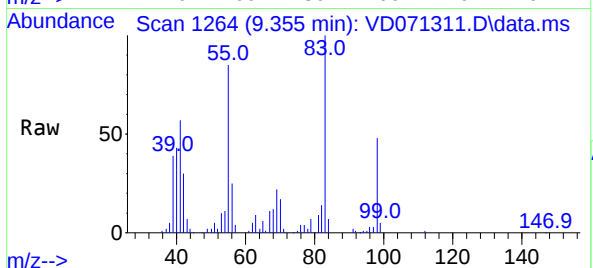
Tgt Ion: 83 Resp: 91387

Ion Ratio Lower Upper

83 100

55 85.1 65.8 98.8

98 48.0 38.7 58.1



#40

Benzene

Concen: 18.980 ug/l

RT: 8.349 min Scan# 1093

Delta R.T. -0.001 min

Lab File: VD071311.D

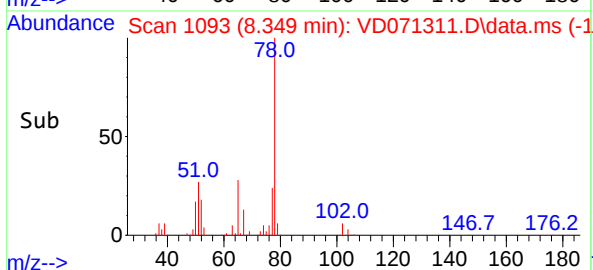
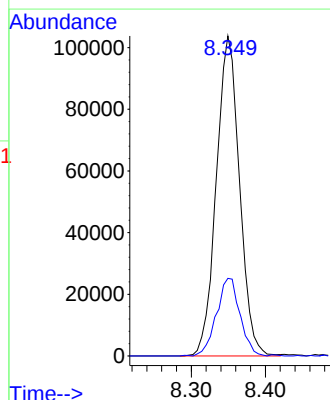
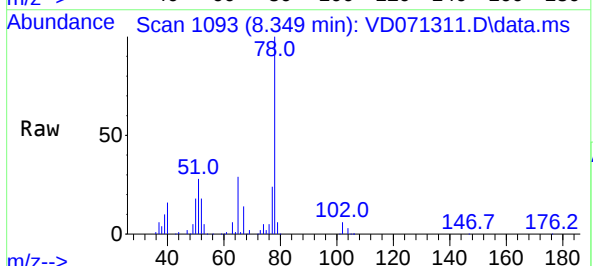
Acq: 14 Dec 2021 10:47

Tgt Ion: 78 Resp: 225448

Ion Ratio Lower Upper

78 100

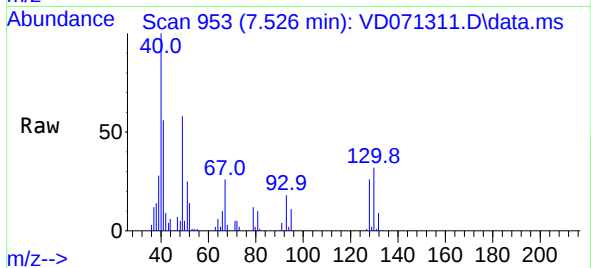
77 24.3 19.1 28.7



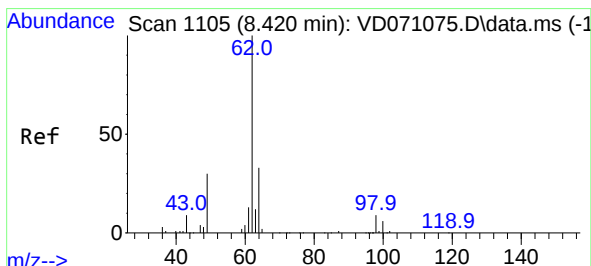
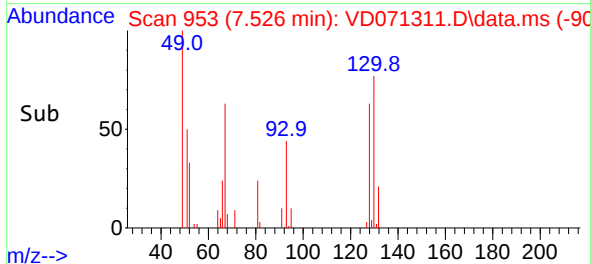
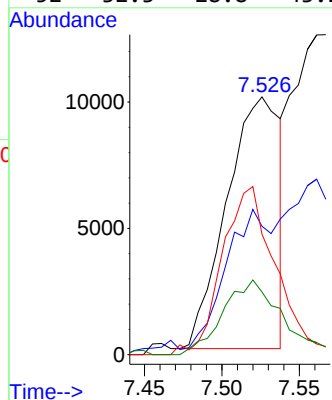


#41  
Methacrylonitrile  
Concen: 28.322 ug/l  
RT: 7.526 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VD071311.D  
Acq: 14 Dec 2021 10:47

Instrument :  
MSVOA\_D  
ClientSampleId :

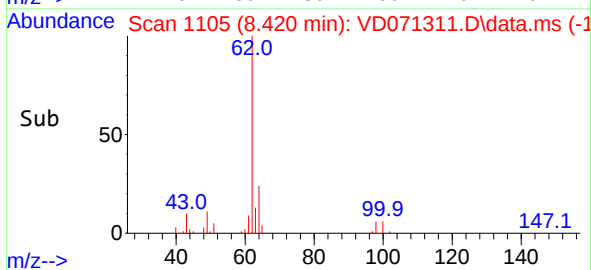
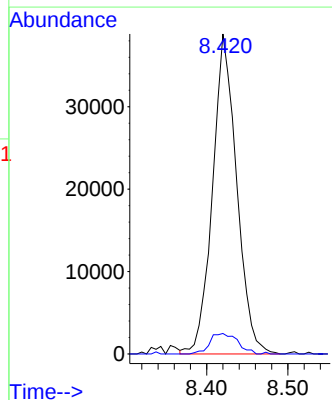
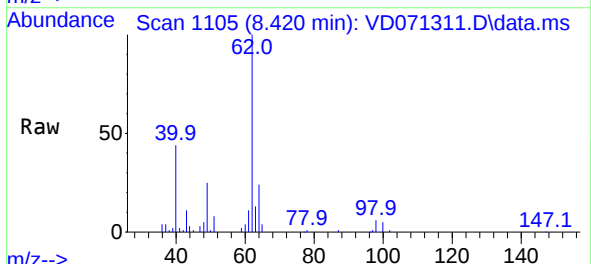


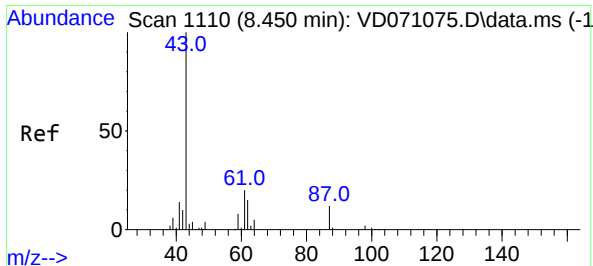
Tgt Ion: 41 Resp: 23787  
Ion Ratio Lower Upper  
41 100  
39 46.3 60.2 90.4#  
67 67.0 74.8 112.2#  
52 32.3 28.8 43.2



#42  
1,2-Dichloroethane  
Concen: 22.122 ug/l  
RT: 8.420 min Scan# 1105  
Delta R.T. -0.000 min  
Lab File: VD071311.D  
Acq: 14 Dec 2021 10:47

Tgt Ion: 62 Resp: 80209  
Ion Ratio Lower Upper  
62 100  
98 7.4 0.0 21.8





#43

Isopropyl Acetate

Concen: 21.624 ug/l

RT: 8.449 min Scan# 1110

Delta R.T. -0.001 min

Lab File: VD071311.D

Acq: 14 Dec 2021 10:47

Instrument :

MSVOA\_D

ClientSampleId :

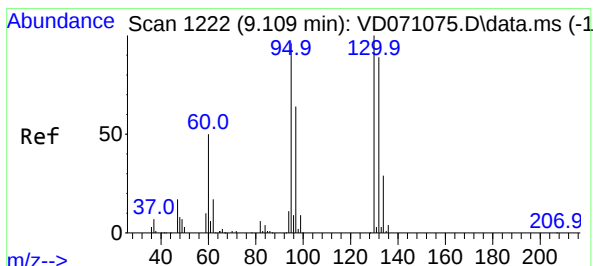
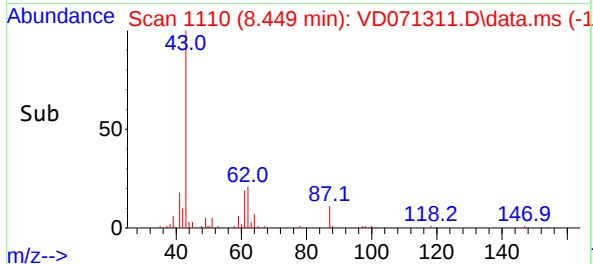
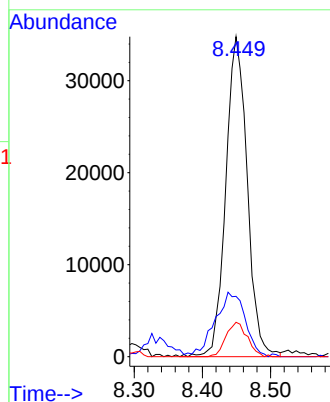
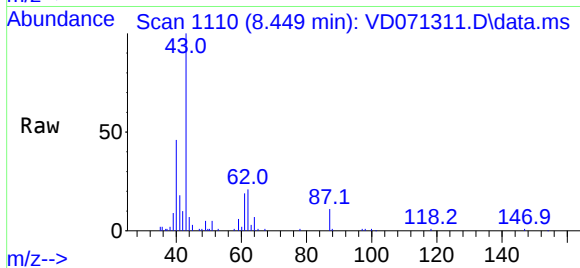
Tgt Ion: 43 Resp: 76119

Ion Ratio Lower Upper

43 100

61 28.0 28.2 42.4#

87 10.7 10.7 16.1#



#44

Trichloroethene

Concen: 18.961 ug/l

RT: 9.108 min Scan# 1222

Delta R.T. -0.001 min

Lab File: VD071311.D

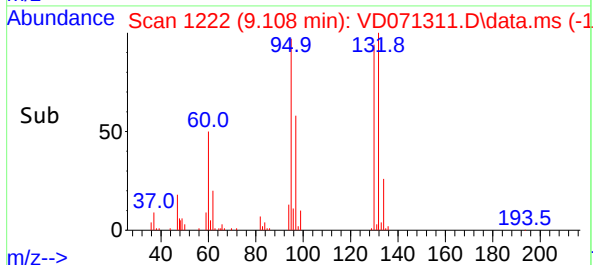
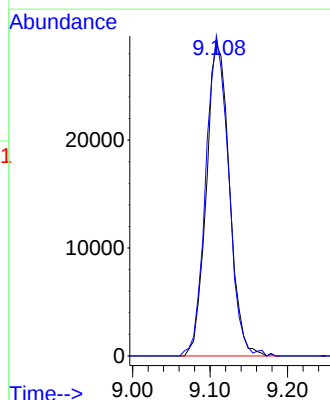
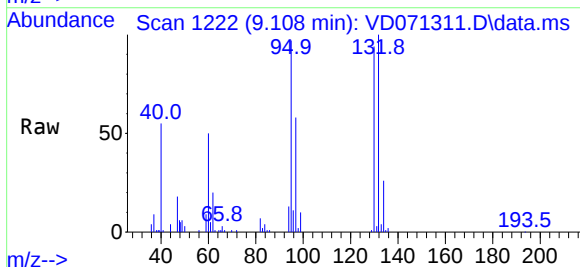
Acq: 14 Dec 2021 10:47

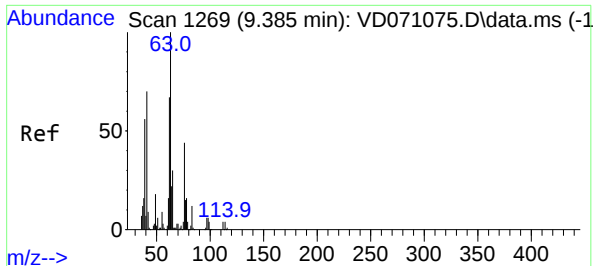
Tgt Ion:130 Resp: 60050

Ion Ratio Lower Upper

130 100

95 102.5 0.0 193.2

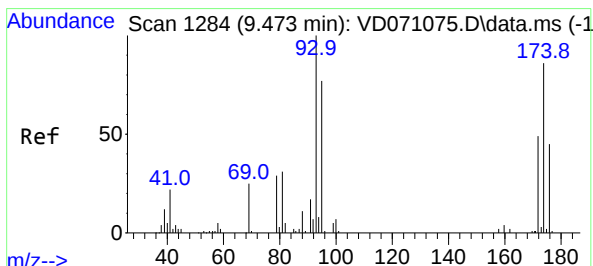
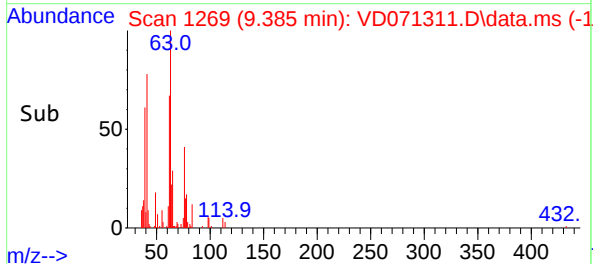
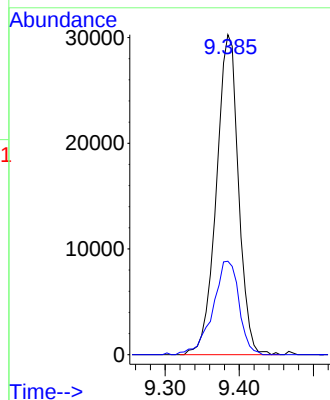
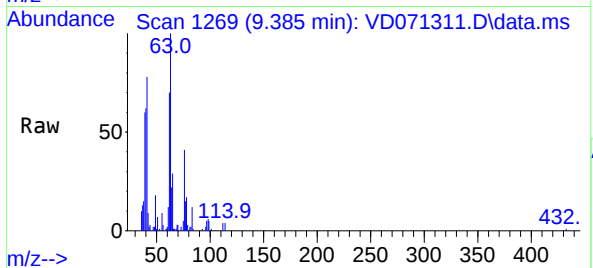




#45  
1,2-Dichloropropane  
Concen: 20.060 ug/l  
RT: 9.385 min Scan# 1269  
Delta R.T. -0.000 min  
Lab File: VD071311.D  
Acq: 14 Dec 2021 10:47

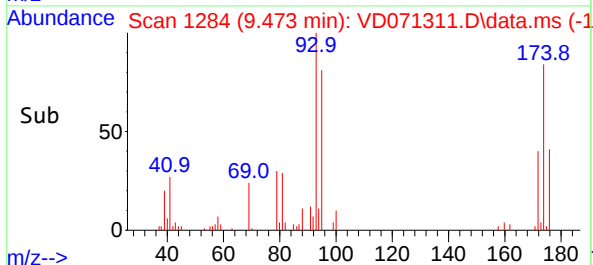
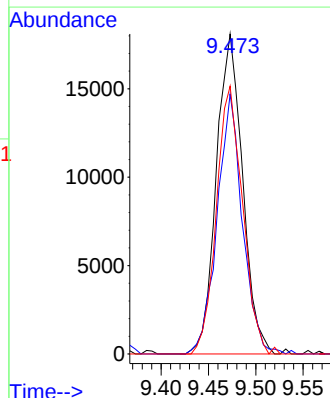
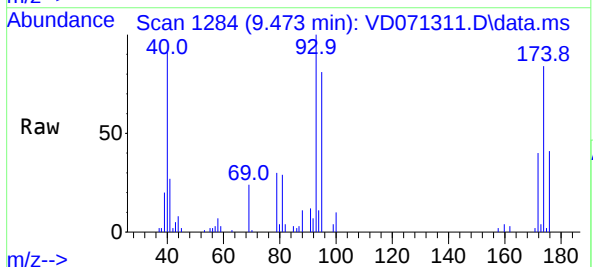
Instrument :  
MSVOA\_D  
ClientSampleId :

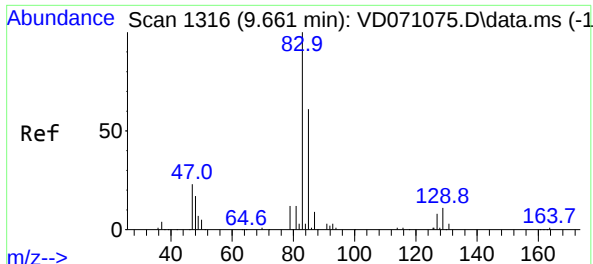
Tgt Ion: 63 Resp: 62661  
Ion Ratio Lower Upper  
63 100  
65 29.2 24.2 36.2



#46  
Dibromomethane  
Concen: 21.539 ug/l  
RT: 9.473 min Scan# 1284  
Delta R.T. -0.000 min  
Lab File: VD071311.D  
Acq: 14 Dec 2021 10:47

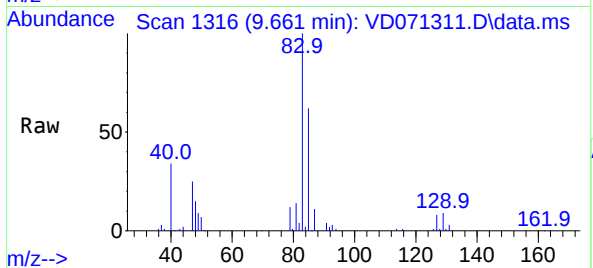
Tgt Ion: 93 Resp: 34906  
Ion Ratio Lower Upper  
93 100  
95 78.4 66.1 99.1  
174 83.6 78.6 117.8



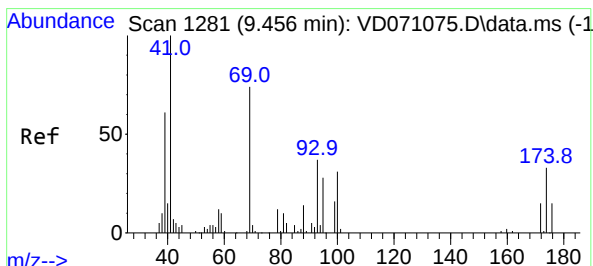
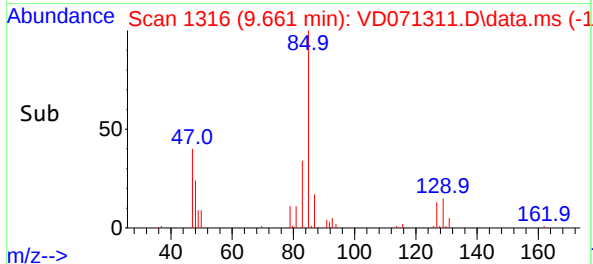
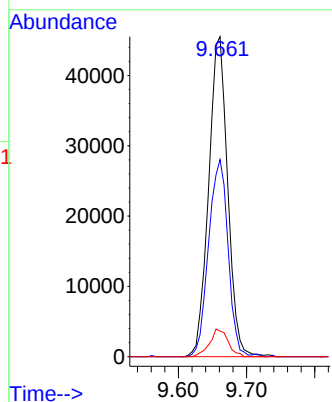


#47  
Bromodichloromethane  
Concen: 20.691 ug/l  
RT: 9.661 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VD071311.D  
Acq: 14 Dec 2021 10:47

Instrument :  
MSVOA\_D  
ClientSampleId :

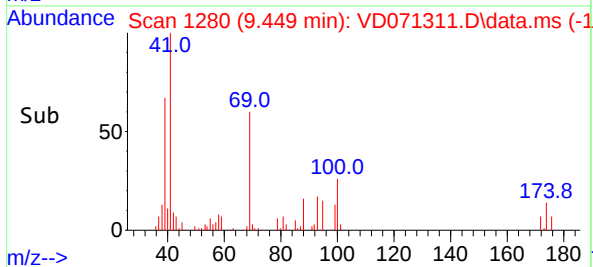
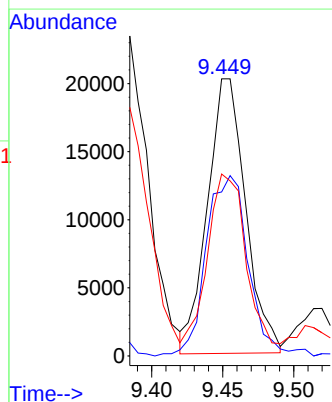
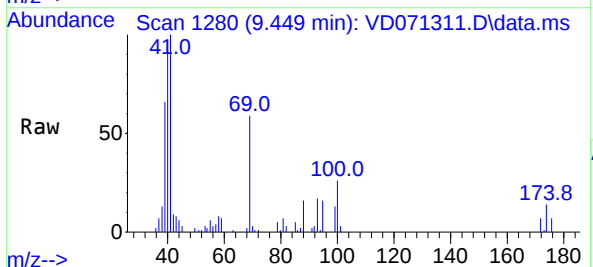


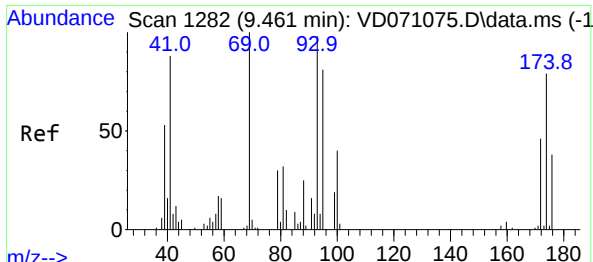
Tgt Ion: 83 Resp: 88682  
Ion Ratio Lower Upper  
83 100  
85 61.6 50.0 75.0  
127 8.0 7.3 10.9



#48  
Methyl methacrylate  
Concen: 20.375 ug/l  
RT: 9.449 min Scan# 1280  
Delta R.T. -0.007 min  
Lab File: VD071311.D  
Acq: 14 Dec 2021 10:47

Tgt Ion: 41 Resp: 37673  
Ion Ratio Lower Upper  
41 100  
69 73.2 69.8 104.6  
39 61.8 35.6 53.4#





#49

1,4-Dioxane

Concen: 456.274 ug/l

RT: 9.461 min Scan# 1282

Delta R.T. 0.000 min

Lab File: VD071311.D

Acq: 14 Dec 2021 10:47

Instrument :

MSVOA\_D

ClientSampleId :

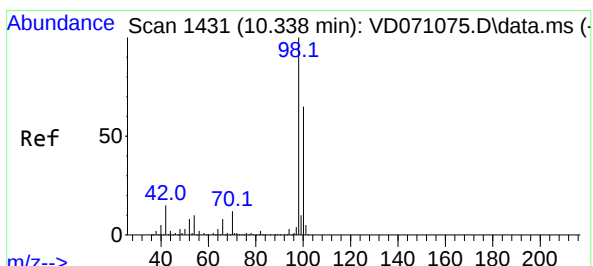
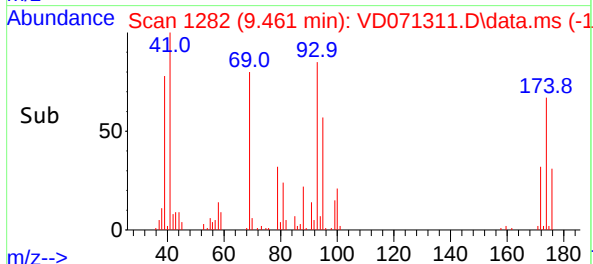
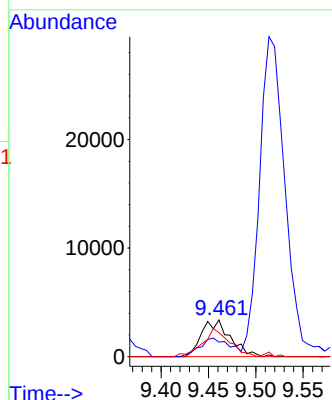
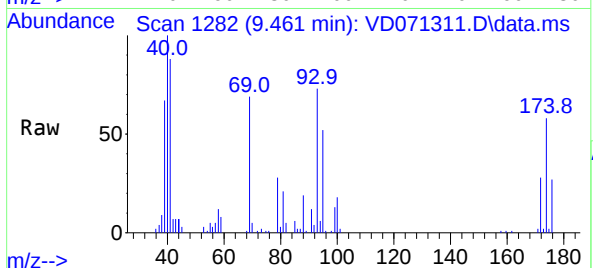
Tgt Ion: 88 Resp: 7138

Ion Ratio Lower Upper

88 100

43 53.0 28.9 43.3#

58 71.8 56.3 84.5



#50

Toluene-d8

Concen: 45.176 ug/l

RT: 10.337 min Scan# 1431

Delta R.T. -0.001 min

Lab File: VD071311.D

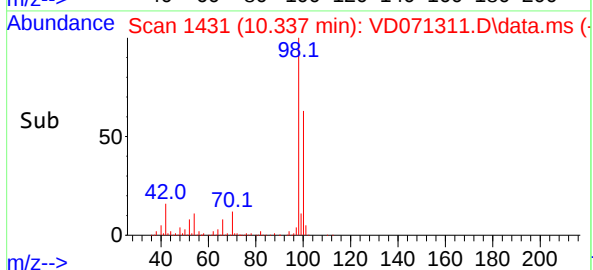
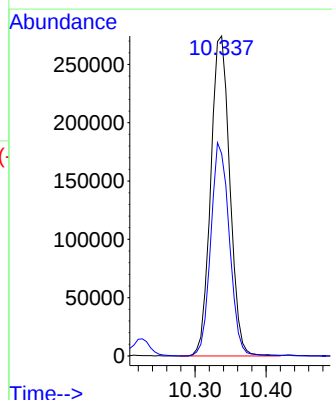
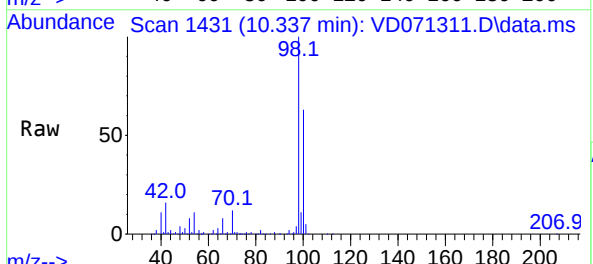
Acq: 14 Dec 2021 10:47

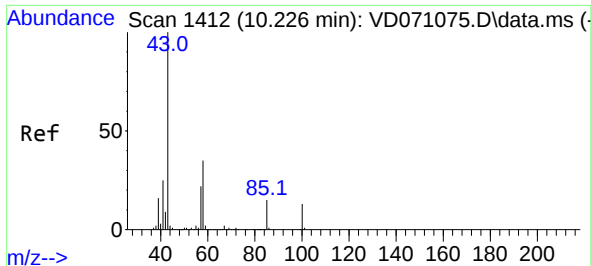
Tgt Ion: 98 Resp: 512207

Ion Ratio Lower Upper

98 100

100 64.8 51.8 77.6

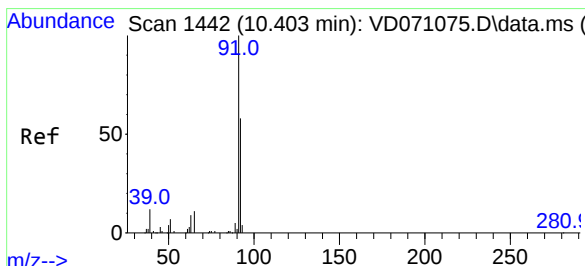
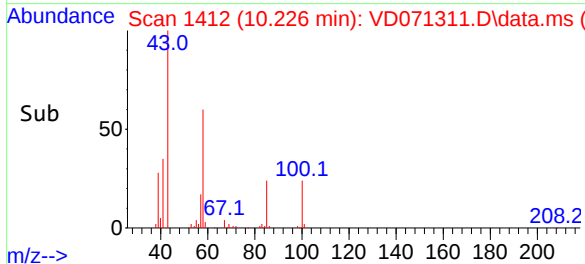
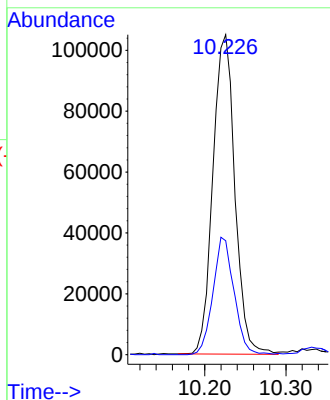
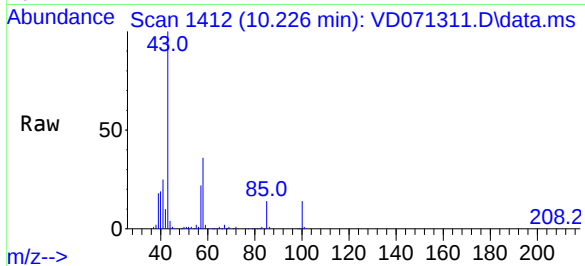




#51  
4-Methyl-2-Pentanone  
Concen: 112.077 ug/l  
RT: 10.226 min Scan# 1412  
Delta R.T. -0.000 min  
Lab File: VD071311.D  
Acq: 14 Dec 2021 10:47

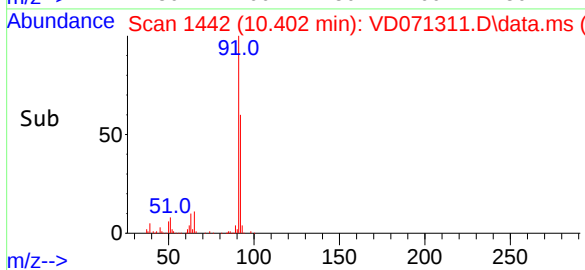
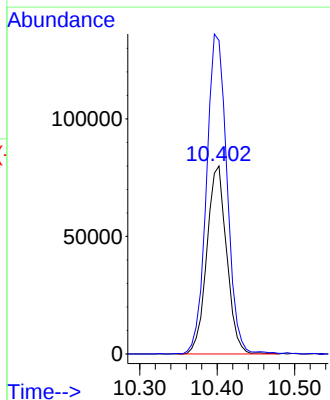
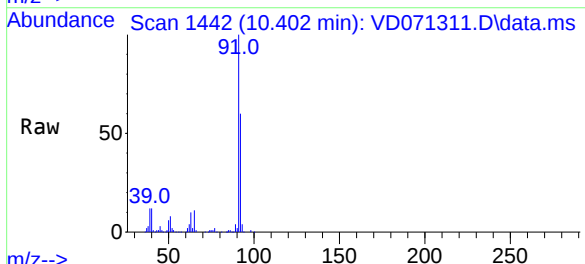
Instrument :  
MSVOA\_D  
ClientSampleId :

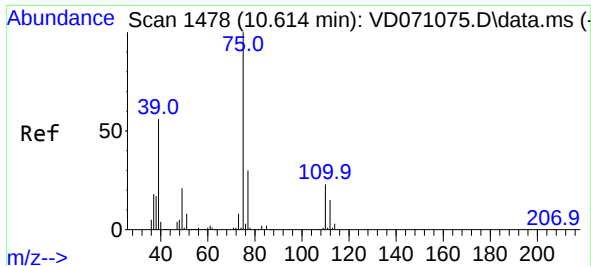
Tgt Ion: 43 Resp: 197673  
Ion Ratio Lower Upper  
43 100  
58 35.2 33.1 49.7



#52  
Toluene  
Concen: 18.859 ug/l  
RT: 10.402 min Scan# 1442  
Delta R.T. -0.001 min  
Lab File: VD071311.D  
Acq: 14 Dec 2021 10:47

Tgt Ion: 92 Resp: 142132  
Ion Ratio Lower Upper  
92 100  
91 176.1 140.7 211.1

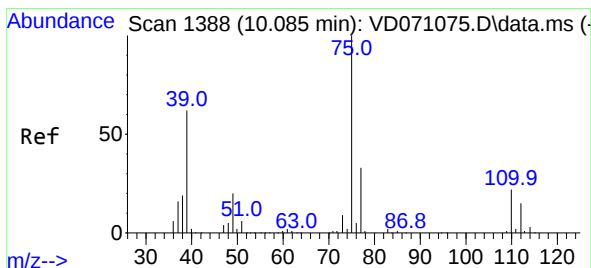
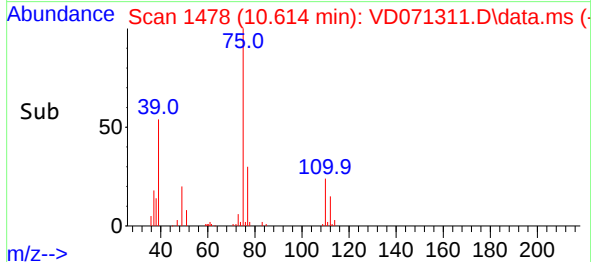
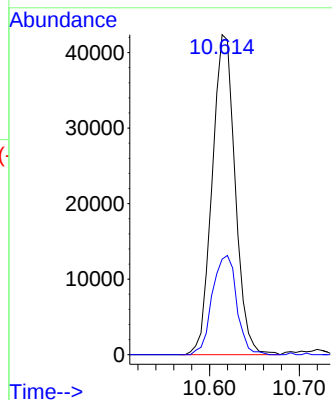
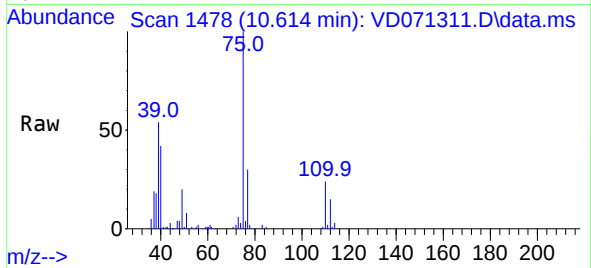




#53  
 t-1,3-Dichloropropene  
 Concen: 19.117 ug/l  
 RT: 10.614 min Scan# 1478  
 Delta R.T. -0.000 min  
 Lab File: VD071311.D  
 Acq: 14 Dec 2021 10:47

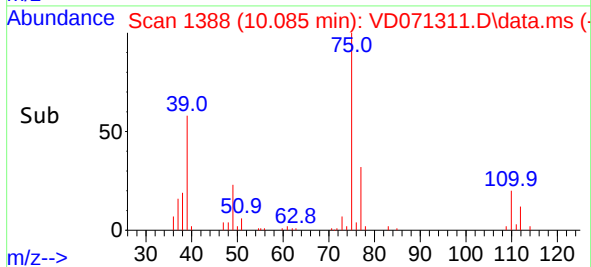
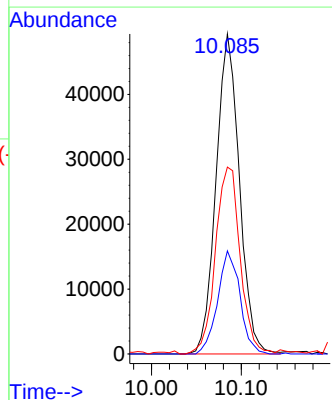
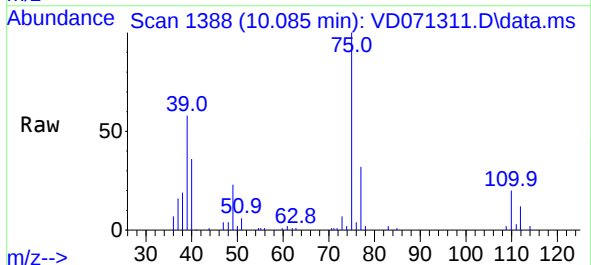
Instrument :  
 MSVOA\_D  
 ClientSampleId :

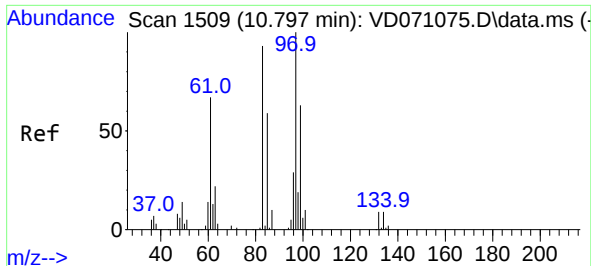
Tgt Ion: 75 Resp: 75333  
 Ion Ratio Lower Upper  
 75 100  
 77 29.9 24.5 36.7



#54  
 cis-1,3-Dichloropropene  
 Concen: 19.048 ug/l  
 RT: 10.085 min Scan# 1388  
 Delta R.T. -0.001 min  
 Lab File: VD071311.D  
 Acq: 14 Dec 2021 10:47

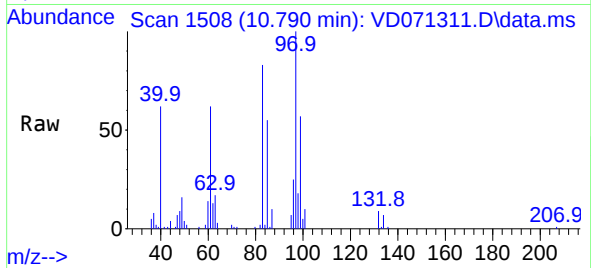
Tgt Ion: 75 Resp: 89158  
 Ion Ratio Lower Upper  
 75 100  
 77 32.2 25.0 37.6  
 39 58.4 31.6 47.4#



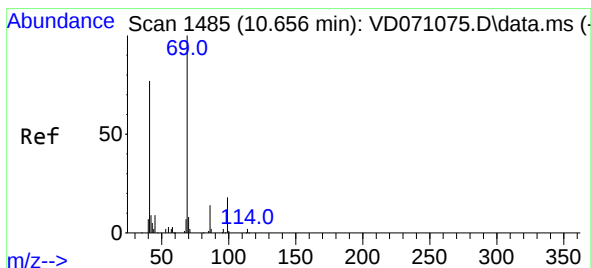
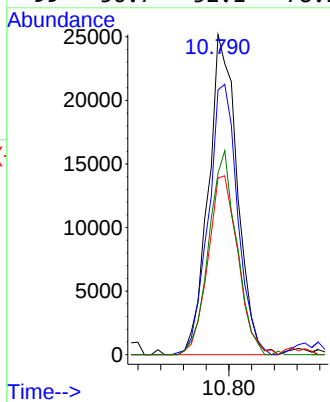
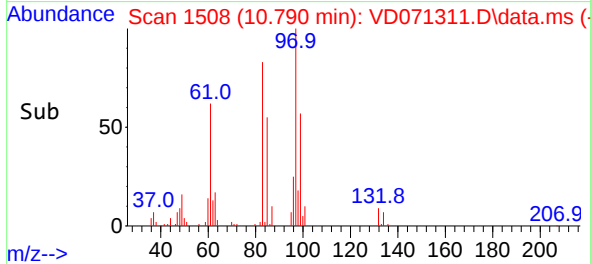


#55  
1,1,2-Trichloroethane  
Concen: 20.762 ug/l  
RT: 10.790 min Scan# 1509  
Delta R.T. -0.007 min  
Lab File: VD071311.D  
Acq: 14 Dec 2021 10:47

Instrument :  
MSVOA\_D  
ClientSampleId :

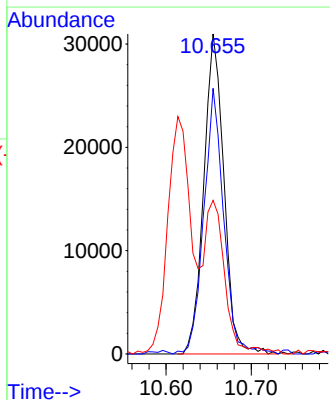
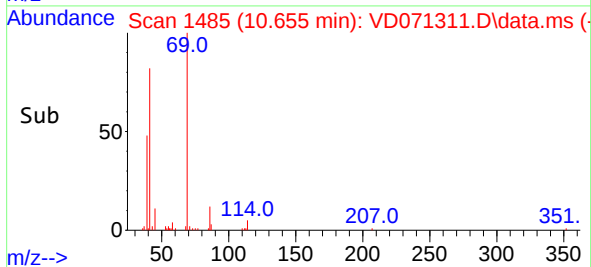
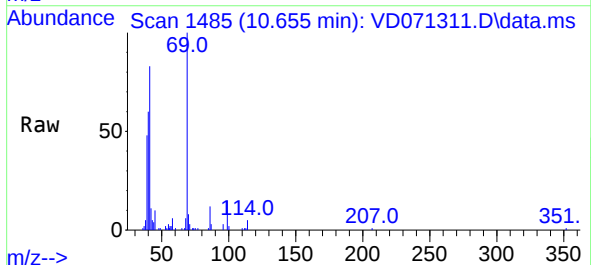


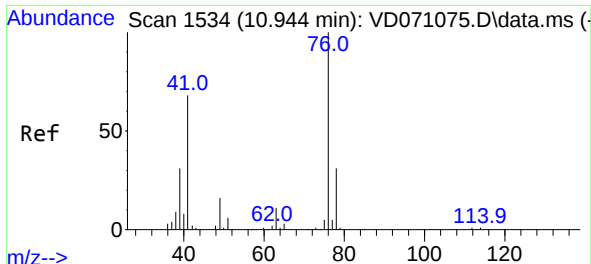
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 44140 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 82.8  | 65.2  | 97.8  |
| 85       | 55.3  | 43.4  | 65.0  |
| 99       | 56.7  | 52.1  | 78.1  |



#56  
Ethyl methacrylate  
Concen: 20.600 ug/l  
RT: 10.655 min Scan# 1485  
Delta R.T. -0.001 min  
Lab File: VD071311.D  
Acq: 14 Dec 2021 10:47

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 50849 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 82.1  | 50.2  | 75.2# |
| 39       | 49.7  | 19.8  | 29.8# |





#57

1,3-Dichloropropane

Concen: 21.008 ug/l

RT: 10.943 min Scan# 1534

Delta R.T. -0.001 min

Lab File: VD071311.D

Acq: 14 Dec 2021 10:47

Instrument :

MSVOA\_D

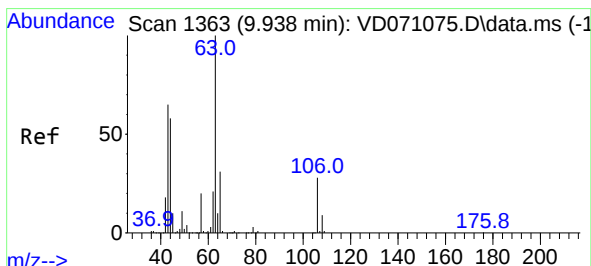
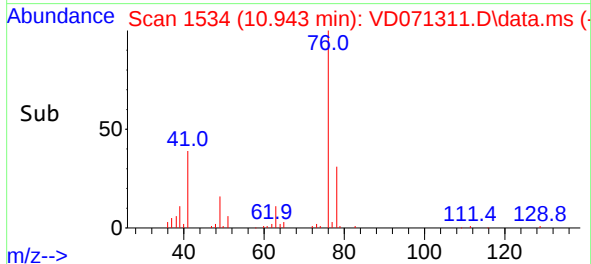
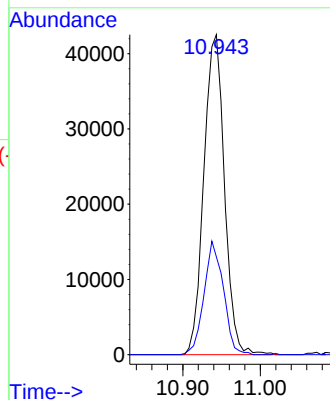
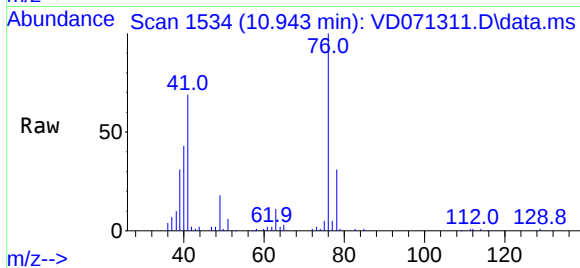
ClientSampleId :

Tgt Ion: 76 Resp: 78463

Ion Ratio Lower Upper

76 100

78 33.5 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 118.006 ug/l

RT: 9.937 min Scan# 1363

Delta R.T. -0.001 min

Lab File: VD071311.D

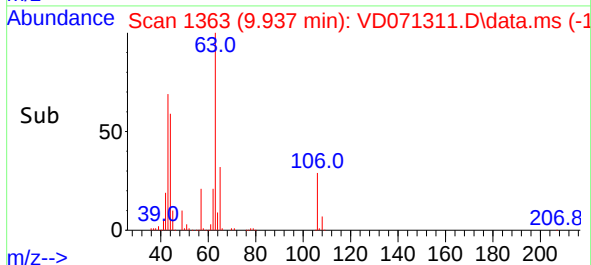
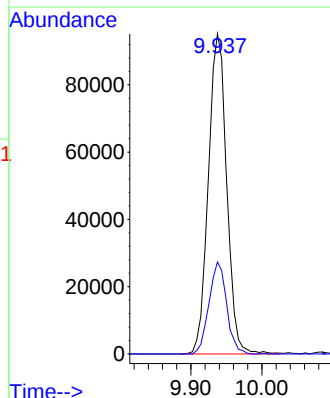
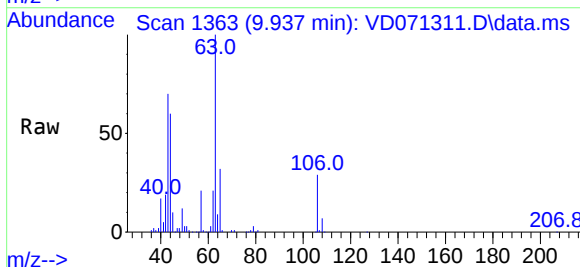
Acq: 14 Dec 2021 10:47

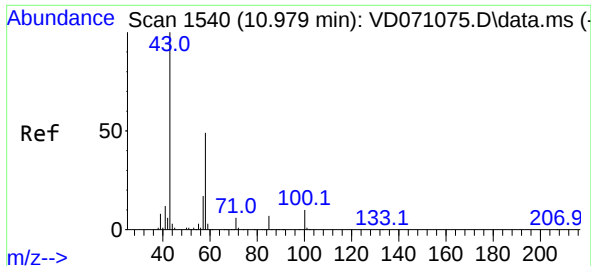
Tgt Ion: 63 Resp: 170722

Ion Ratio Lower Upper

63 100

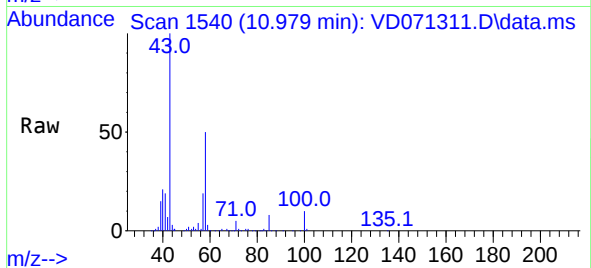
106 27.6 21.0 31.4



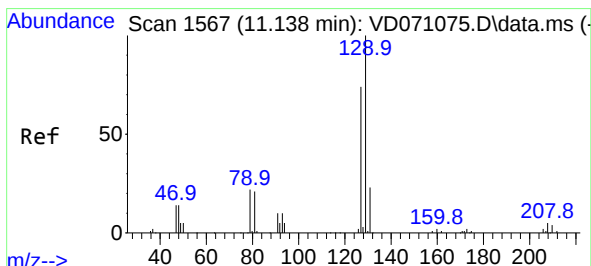
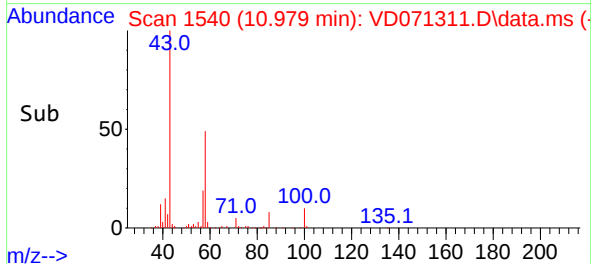
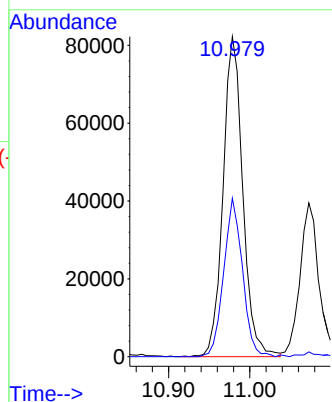


#59  
2-Hexanone  
Concen: 109.283 ug/l  
RT: 10.979 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD071311.D  
Acq: 14 Dec 2021 10:47

Instrument :  
MSVOA\_D  
ClientSampleId :

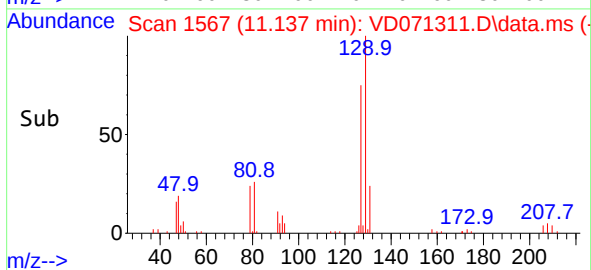
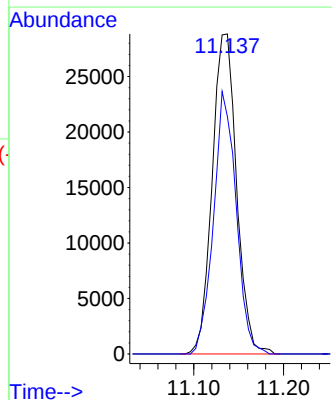
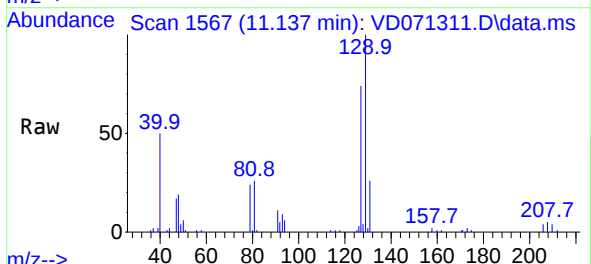


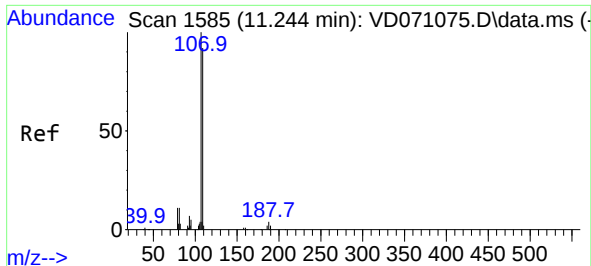
Tgt Ion: 43 Resp: 139150  
Ion Ratio Lower Upper  
43 100  
58 46.9 28.7 86.1



#60  
Dibromochloromethane  
Concen: 20.622 ug/l  
RT: 11.137 min Scan# 1567  
Delta R.T. -0.001 min  
Lab File: VD071311.D  
Acq: 14 Dec 2021 10:47

Tgt Ion: 129 Resp: 54491  
Ion Ratio Lower Upper  
129 100  
127 76.0 38.9 116.6

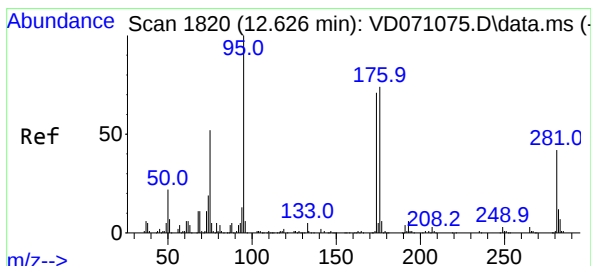
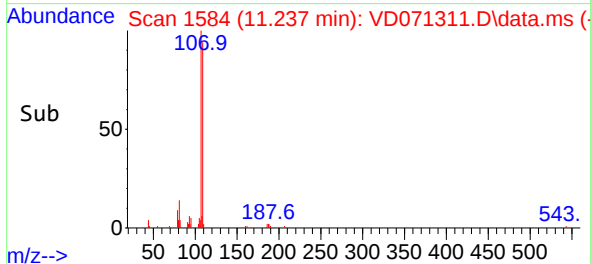
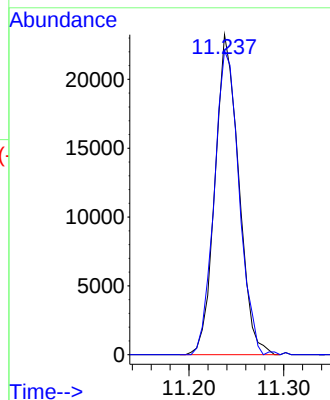
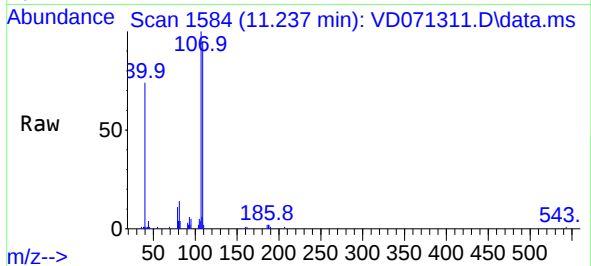




#61  
1,2-Dibromoethane  
Concen: 19.816 ug/l  
RT: 11.237 min Scan# 11  
Delta R.T. -0.007 min  
Lab File: VD071311.D  
Acq: 14 Dec 2021 10:47

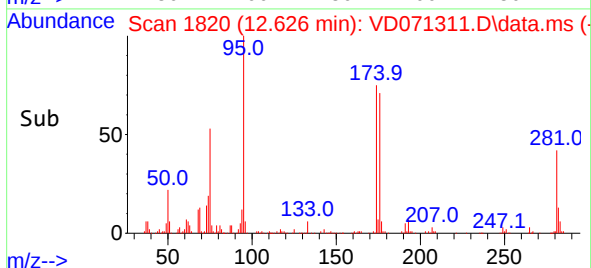
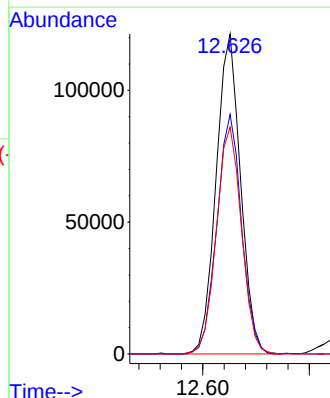
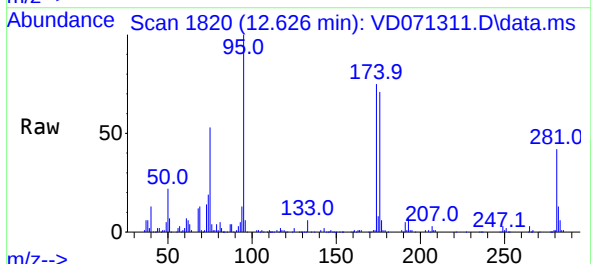
Instrument :  
MSVOA\_D  
ClientSampleId :

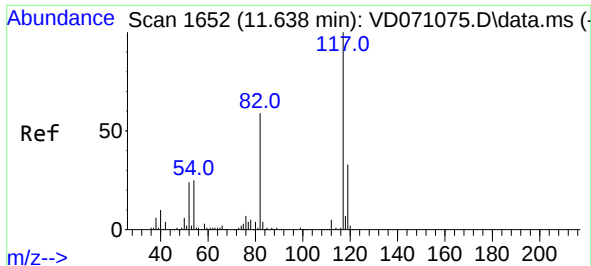
Tgt Ion:107 Resp: 40462  
Ion Ratio Lower Upper  
107 100  
109 99.9 74.6 112.0



#62  
4-Bromofluorobenzene  
Concen: 48.955 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. -0.000 min  
Lab File: VD071311.D  
Acq: 14 Dec 2021 10:47

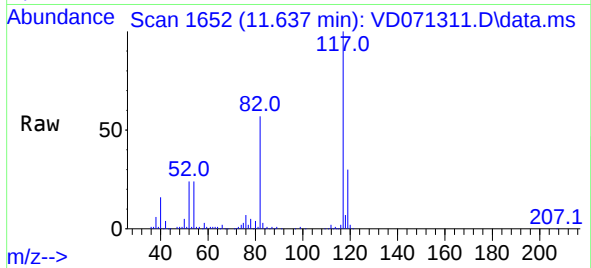
Tgt Ion: 95 Resp: 192404  
Ion Ratio Lower Upper  
95 100  
174 76.0 0.0 159.4  
176 72.7 0.0 154.0



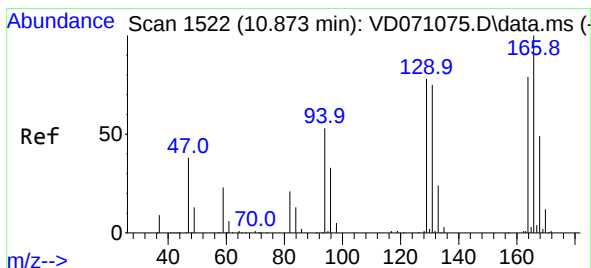
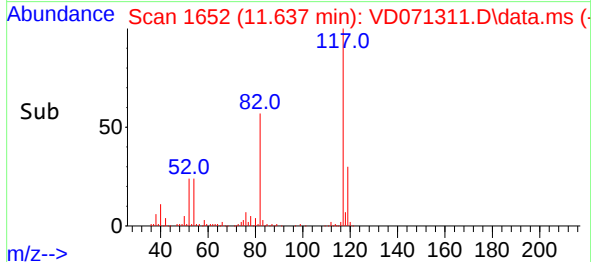
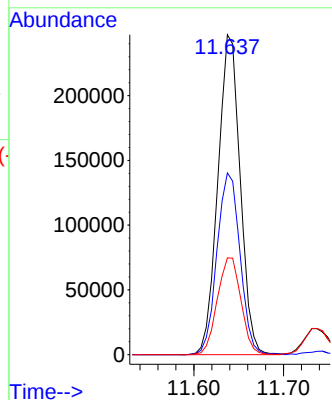


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.637 min Scan# 1170  
Delta R.T. -0.001 min  
Lab File: VD071311.D  
Acq: 14 Dec 2021 10:47

Instrument :  
MSVOA\_D  
ClientSampleId :

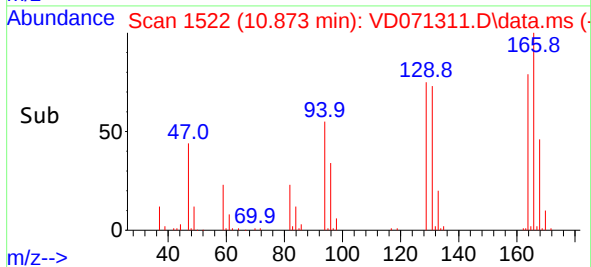
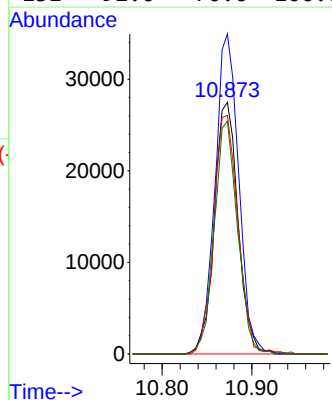
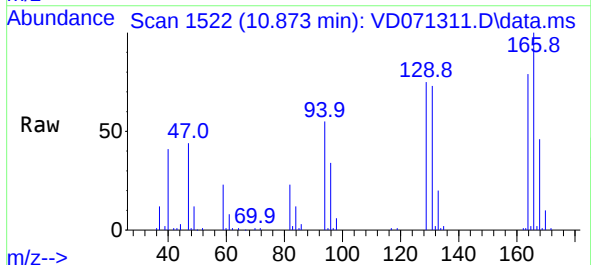


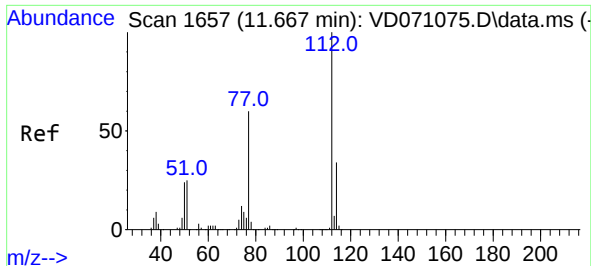
Tgt Ion:117 Resp: 427299  
Ion Ratio Lower Upper  
117 100  
82 56.8 44.7 67.1  
119 30.3 26.2 39.4



#64  
Tetrachloroethene  
Concen: 18.554 ug/l  
RT: 10.873 min Scan# 1522  
Delta R.T. -0.000 min  
Lab File: VD071311.D  
Acq: 14 Dec 2021 10:47

Tgt Ion:164 Resp: 50332  
Ion Ratio Lower Upper  
164 100  
166 127.1 102.6 153.8  
129 94.8 75.4 113.0  
131 92.6 70.6 106.0

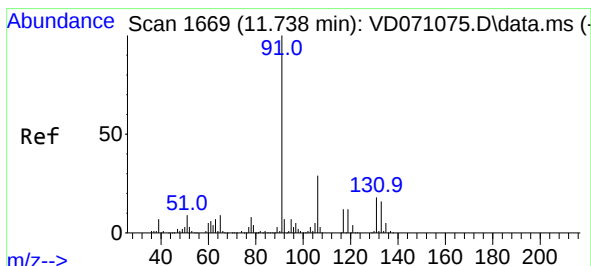
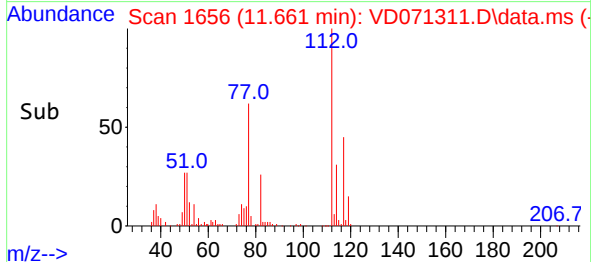
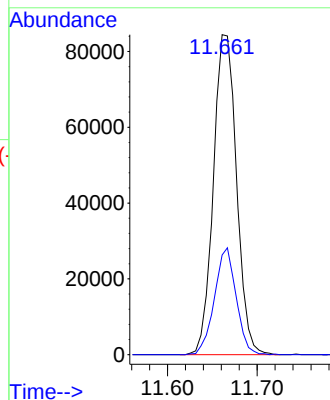
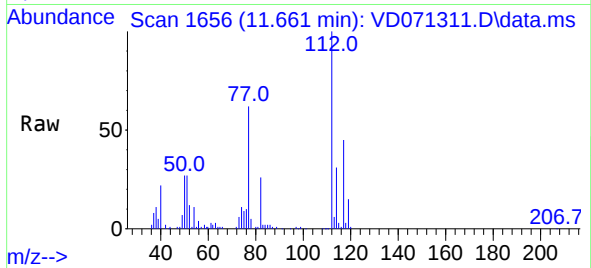




#65  
Chlorobenzene  
Concen: 19.106 ug/l  
RT: 11.661 min Scan# 1656  
Delta R.T. -0.006 min  
Lab File: VD071311.D  
Acq: 14 Dec 2021 10:47

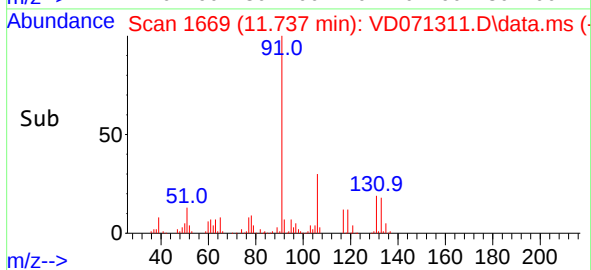
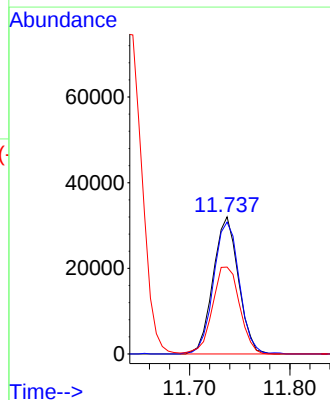
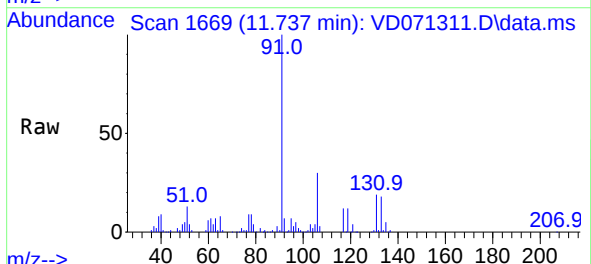
Instrument :  
MSVOA\_D  
ClientSampleId :

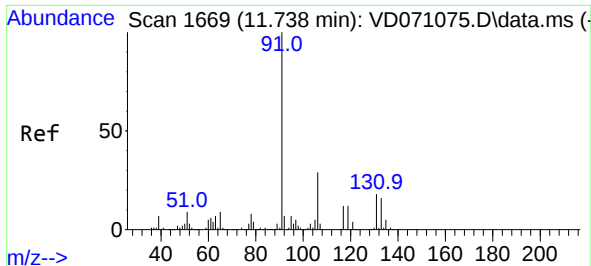
Tgt Ion:112 Resp: 151475  
Ion Ratio Lower Upper  
112 100  
114 31.2 26.0 39.0



#66  
1,1,1,2-Tetrachloroethane  
Concen: 19.399 ug/l  
RT: 11.737 min Scan# 1669  
Delta R.T. -0.001 min  
Lab File: VD071311.D  
Acq: 14 Dec 2021 10:47

Tgt Ion:131 Resp: 56156  
Ion Ratio Lower Upper  
131 100  
133 98.2 48.0 144.0  
119 68.1 33.5 100.4





#67

Ethyl Benzene

Concen: 18.155 ug/l

RT: 11.737 min Scan# 1669

Delta R.T. -0.001 min

Lab File: VD071311.D

Acq: 14 Dec 2021 10:47

Instrument :

MSVOA\_D

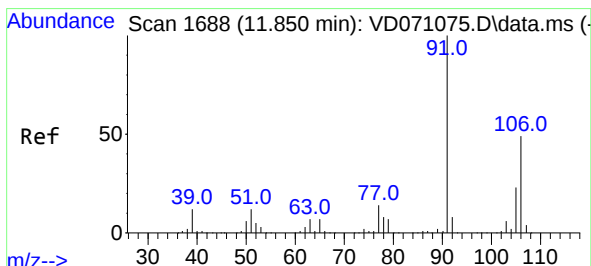
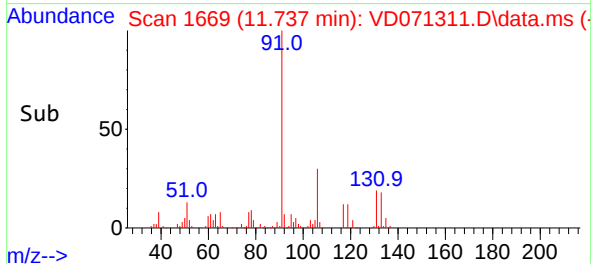
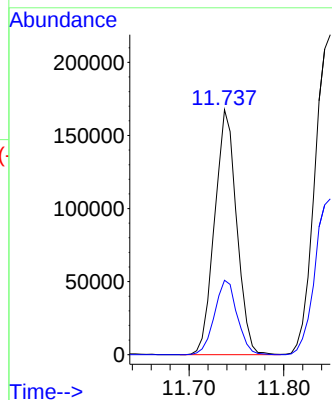
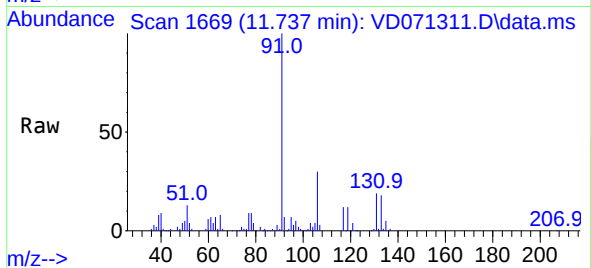
ClientSampleId :

Tgt Ion: 91 Resp: 270963

Ion Ratio Lower Upper

91 100

106 30.4 24.6 36.8



#68

m/p-Xylenes

Concen: 36.731 ug/l

RT: 11.849 min Scan# 1688

Delta R.T. -0.001 min

Lab File: VD071311.D

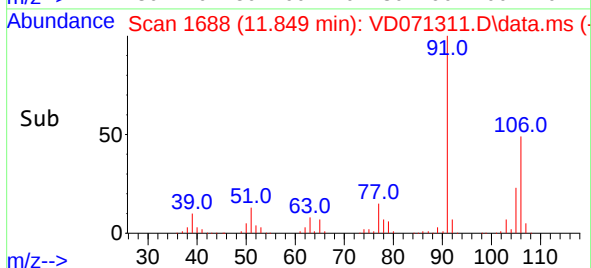
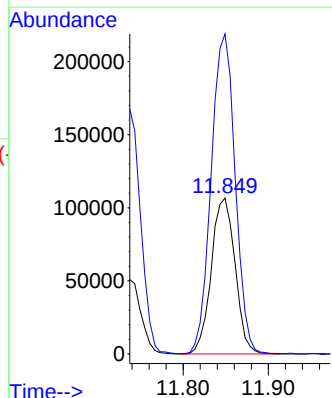
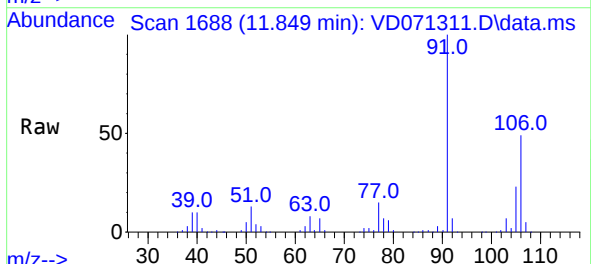
Acq: 14 Dec 2021 10:47

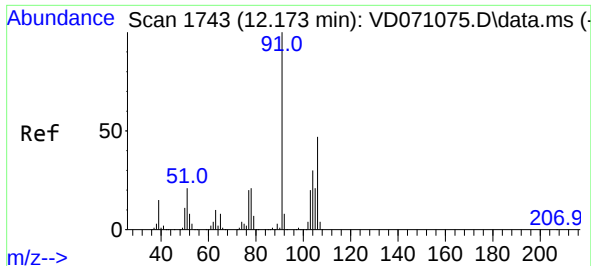
Tgt Ion: 106 Resp: 206967

Ion Ratio Lower Upper

106 100

91 206.6 160.1 240.1

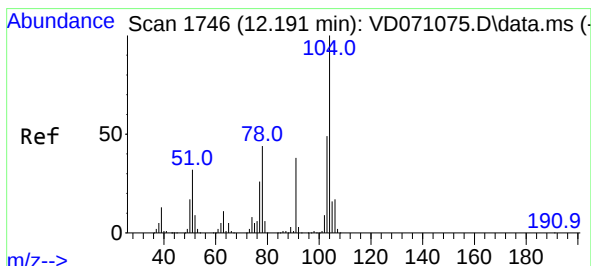
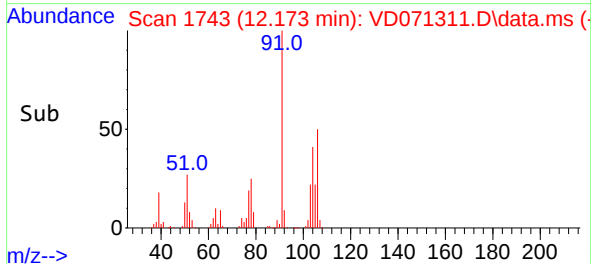
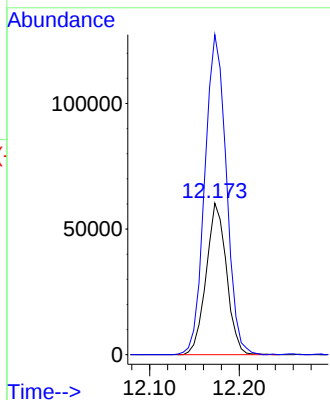
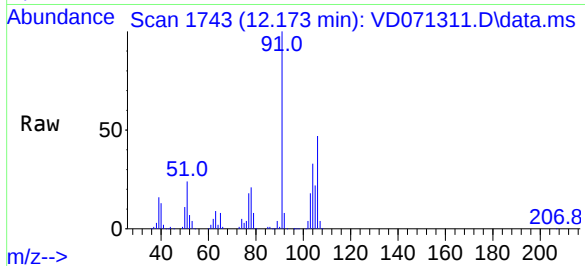




#69  
o-Xylene  
Concen: 17.959 ug/l  
RT: 12.173 min Scan# 1743  
Delta R.T. -0.000 min  
Lab File: VD071311.D  
Acq: 14 Dec 2021 10:47

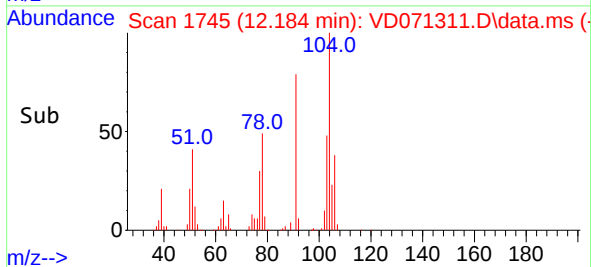
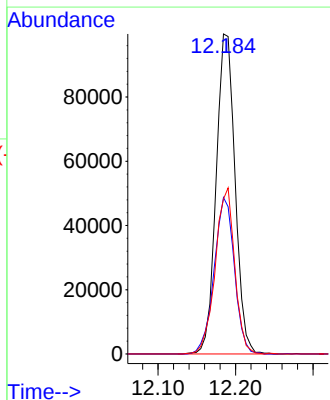
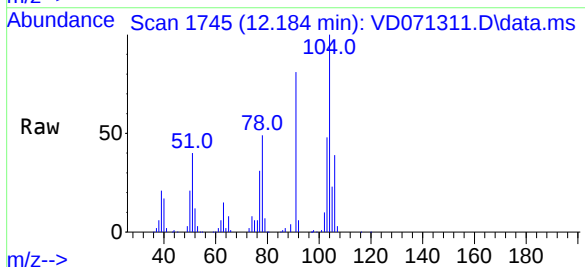
Instrument :  
MSVOA\_D  
ClientSampleId :

Tgt Ion:106 Resp: 95109  
Ion Ratio Lower Upper  
106 100  
91 223.0 106.3 319.0



#70  
Styrene  
Concen: 18.933 ug/l  
RT: 12.184 min Scan# 1745  
Delta R.T. -0.007 min  
Lab File: VD071311.D  
Acq: 14 Dec 2021 10:47

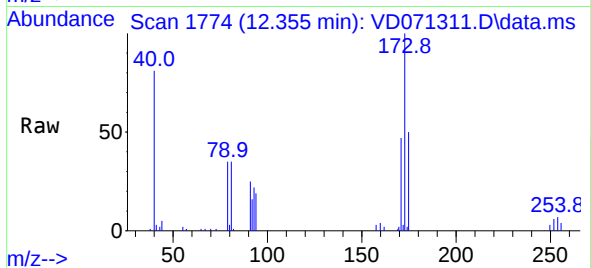
Tgt Ion:104 Resp: 168985  
Ion Ratio Lower Upper  
104 100  
78 52.3 39.4 59.0  
103 53.3 43.4 65.0



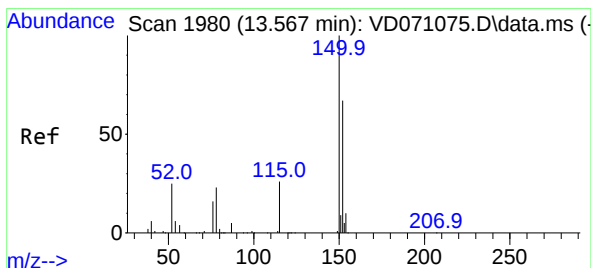
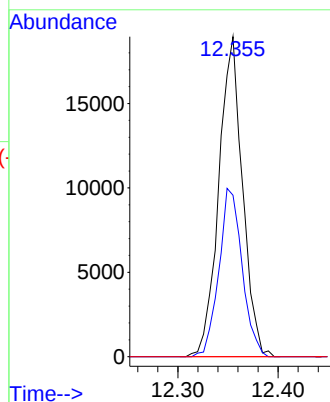
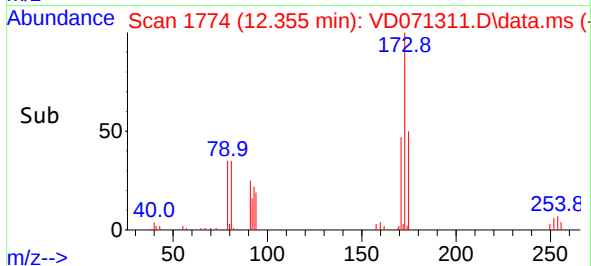


#71  
Bromoform  
Concen: 20.742 ug/l  
RT: 12.355 min Scan# 1774  
Delta R.T. -0.000 min  
Lab File: VD071311.D  
Acq: 14 Dec 2021 10:47

Instrument :  
MSVOA\_D  
ClientSampleId :

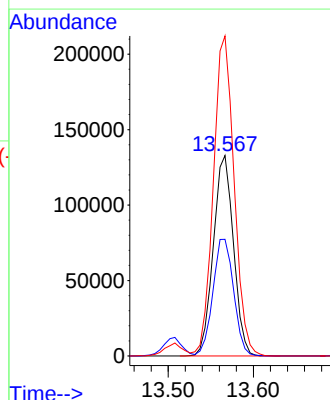
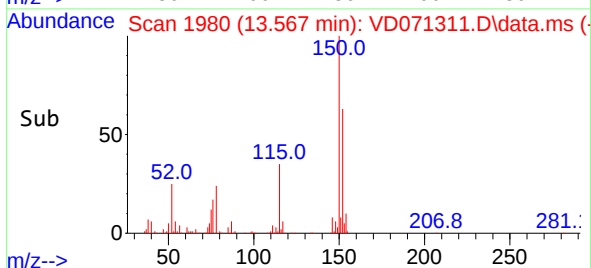
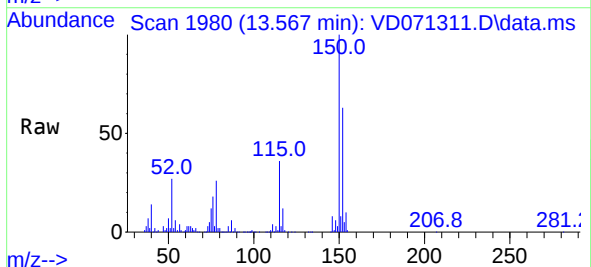


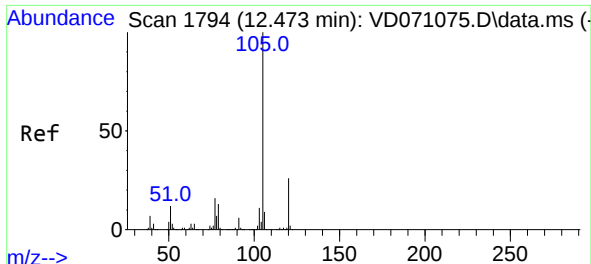
Tgt Ion:173 Resp: 31106  
Ion Ratio Lower Upper  
173 100  
175 51.5 24.1 72.2  
254 0.0 0.1 0.1#



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.567 min Scan# 1980  
Delta R.T. -0.000 min  
Lab File: VD071311.D  
Acq: 14 Dec 2021 10:47

Tgt Ion:152 Resp: 218359  
Ion Ratio Lower Upper  
152 100  
115 59.9 29.8 89.3  
150 164.6 0.0 349.2

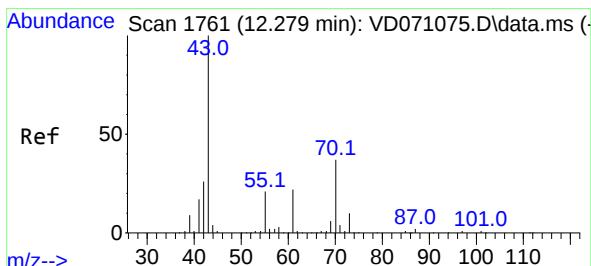
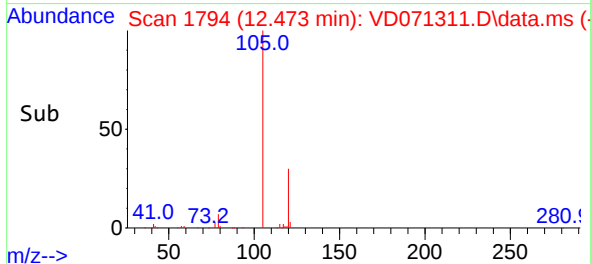
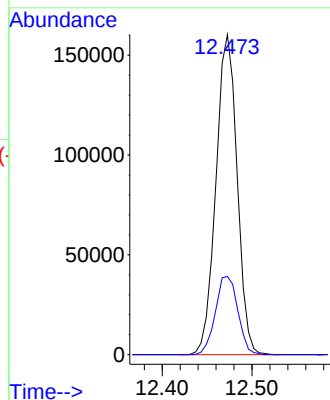
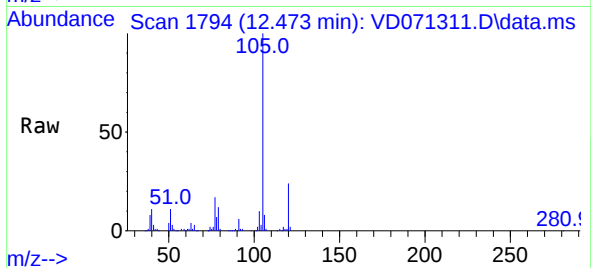




#73  
Isopropylbenzene  
Concen: 16.609 ug/l  
RT: 12.473 min Scan# 1794  
Delta R.T. -0.000 min  
Lab File: VD071311.D  
Acq: 14 Dec 2021 10:47

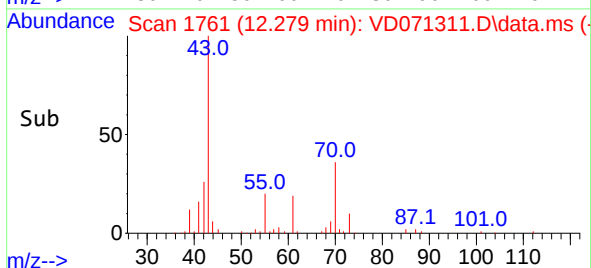
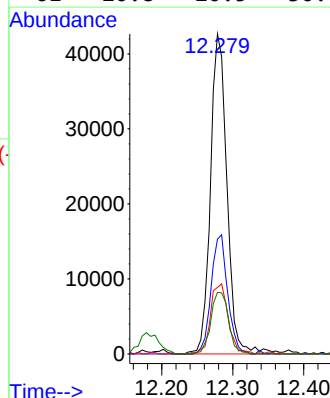
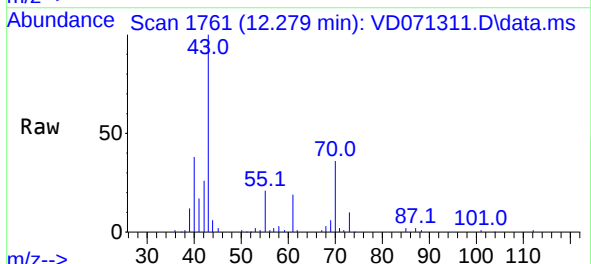
Instrument :  
MSVOA\_D  
ClientSampleId :

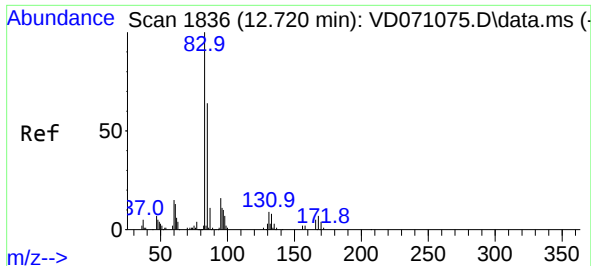
Tgt Ion:105 Resp: 262607  
Ion Ratio Lower Upper  
105 100  
120 25.9 13.2 39.5



#74  
N-ethyl acetate  
Concen: 19.832 ug/l  
RT: 12.279 min Scan# 1761  
Delta R.T. -0.000 min  
Lab File: VD071311.D  
Acq: 14 Dec 2021 10:47

Tgt Ion: 43 Resp: 69041  
Ion Ratio Lower Upper  
43 100  
70 37.1 36.6 55.0  
55 23.2 22.5 33.7  
61 20.8 20.5 30.7

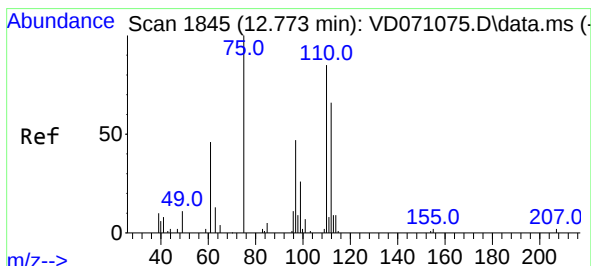
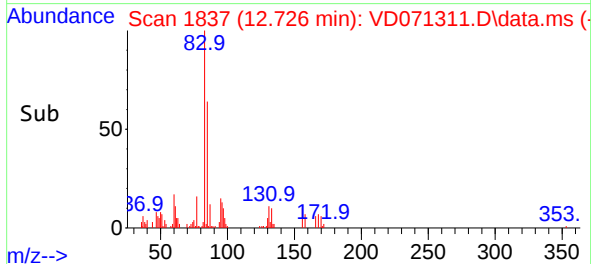
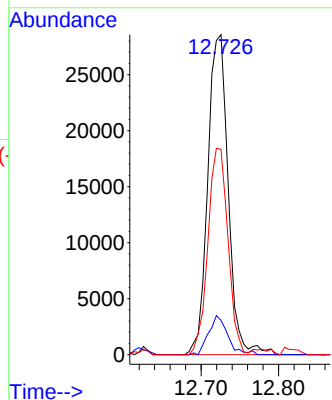
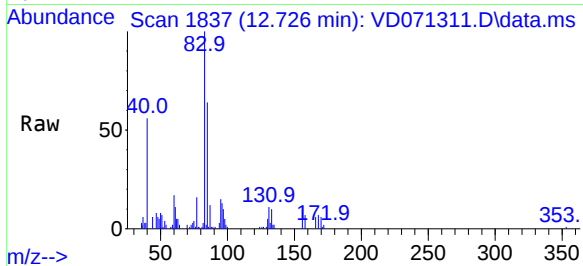




#75  
1,1,2,2-Tetrachloroethane  
Concen: 20.120 ug/l  
RT: 12.726 min Scan# 1837  
Delta R.T. 0.006 min  
Lab File: VD071311.D  
Acq: 14 Dec 2021 10:47

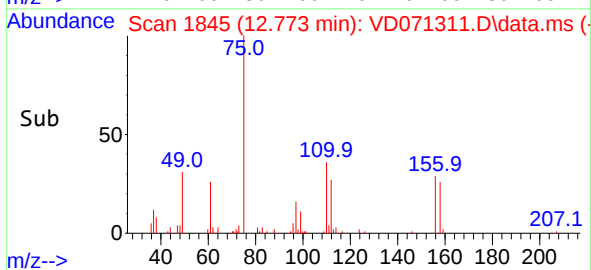
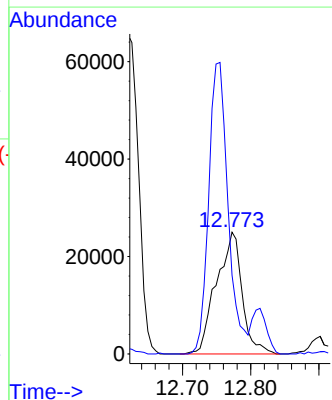
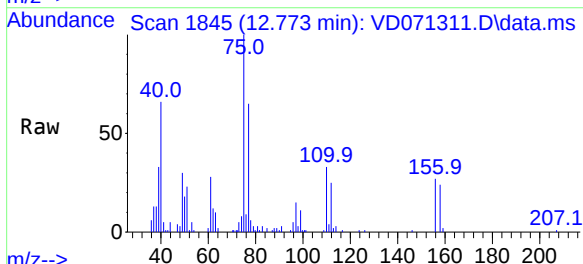
Instrument :  
MSVOA\_D  
ClientSampleId :

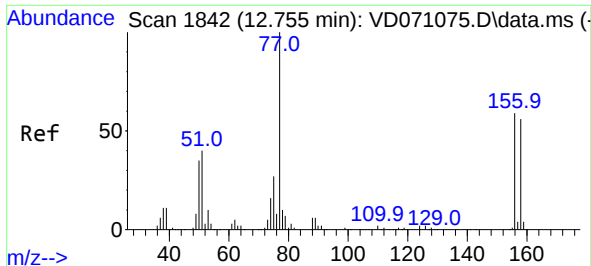
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 83    | Resp: | 52387 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 11.4  | 4.9   | 14.7  |
| 85        | 63.3  | 32.0  | 96.2  |



#76  
1,2,3-Trichloropropane  
Concen: 31.578 ug/l  
RT: 12.773 min Scan# 1845  
Delta R.T. -0.000 min  
Lab File: VD071311.D  
Acq: 14 Dec 2021 10:47

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 65695 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 180.8 | 158.4 | 475.3 |

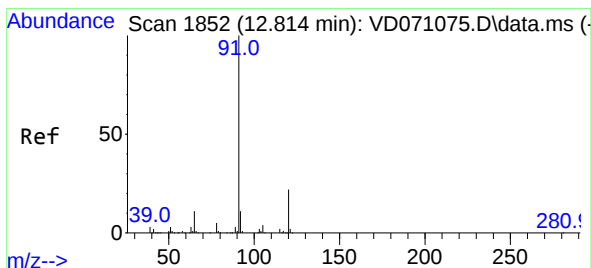
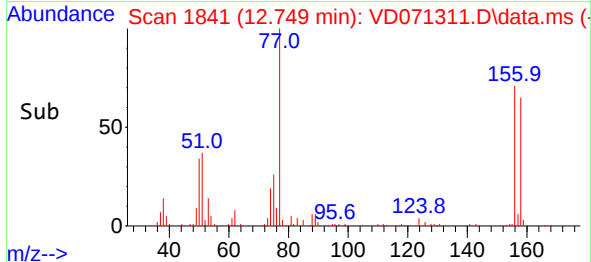
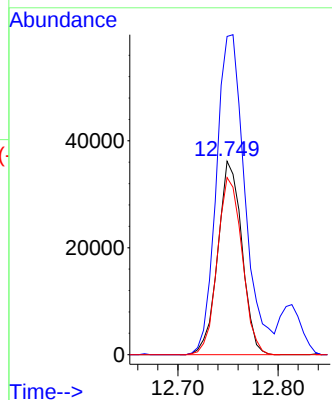
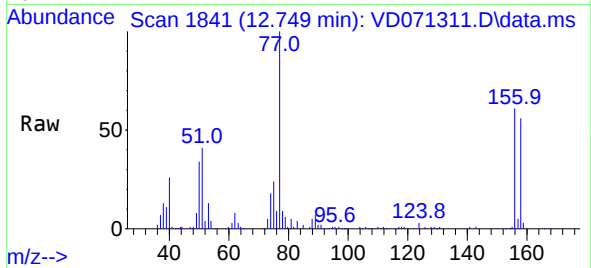




#77  
Bromobenzene  
Concen: 17.647 ug/l  
RT: 12.749 min Scan# 1841  
Delta R.T. -0.006 min  
Lab File: VD071311.D  
Acq: 14 Dec 2021 10:47

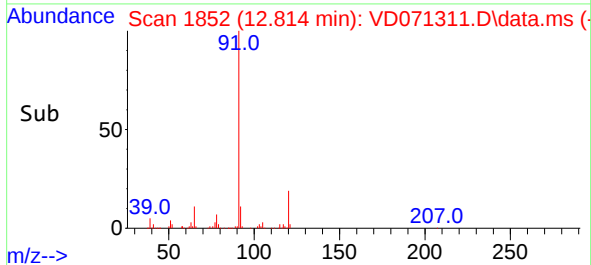
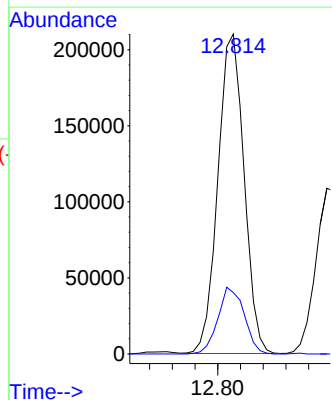
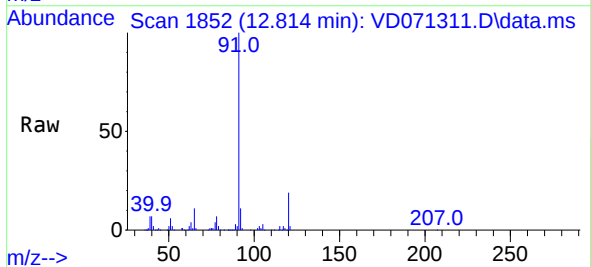
Instrument :  
MSVOA\_D  
ClientSampleId :

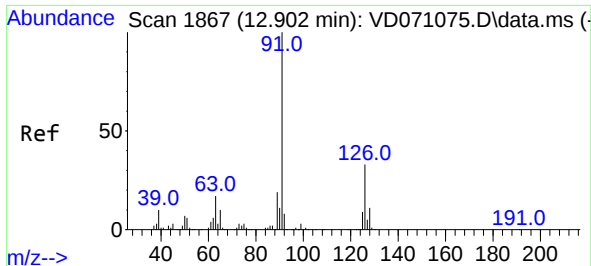
Tgt Ion:156 Resp: 60435  
Ion Ratio Lower Upper  
156 100  
77 196.5 96.6 289.8  
158 94.2 49.1 147.4



#78  
n-propylbenzene  
Concen: 17.056 ug/l  
RT: 12.814 min Scan# 1852  
Delta R.T. -0.000 min  
Lab File: VD071311.D  
Acq: 14 Dec 2021 10:47

Tgt Ion: 91 Resp: 335838  
Ion Ratio Lower Upper  
91 100  
120 20.9 10.9 32.9

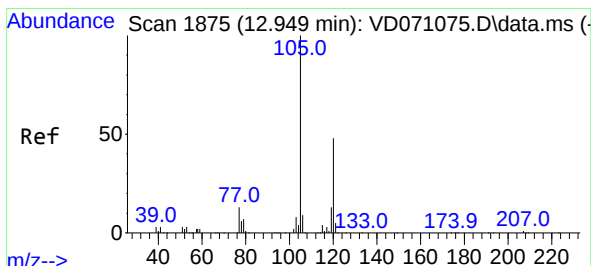
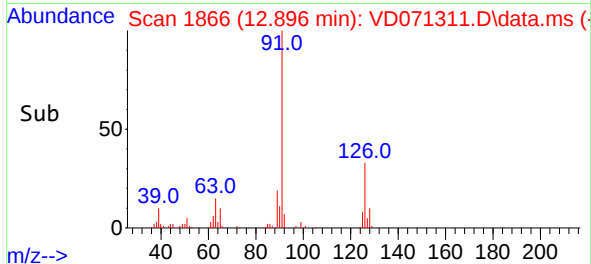
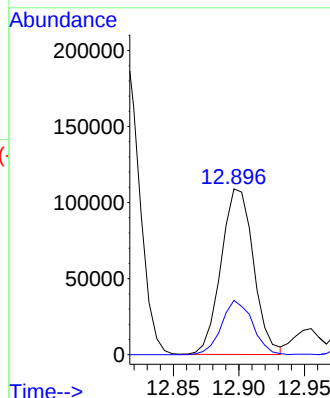
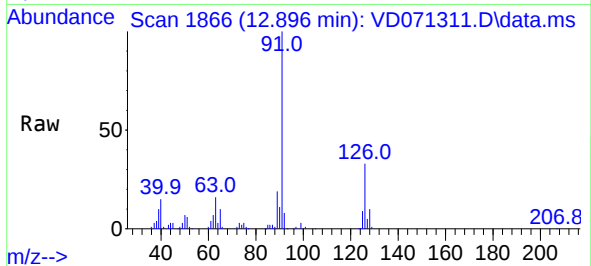




#79  
2-Chlorotoluene  
Concen: 16.965 ug/l  
RT: 12.896 min Scan# 1866  
Delta R.T. -0.006 min  
Lab File: VD071311.D  
Acq: 14 Dec 2021 10:47

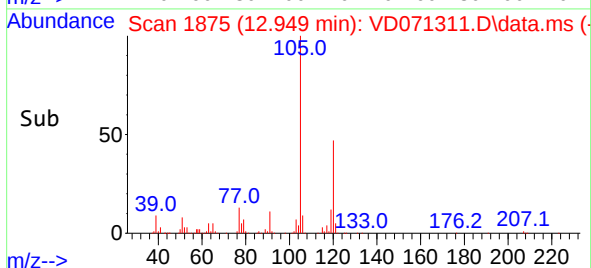
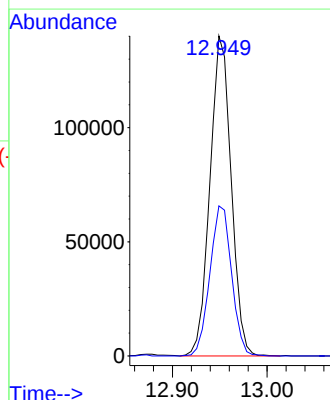
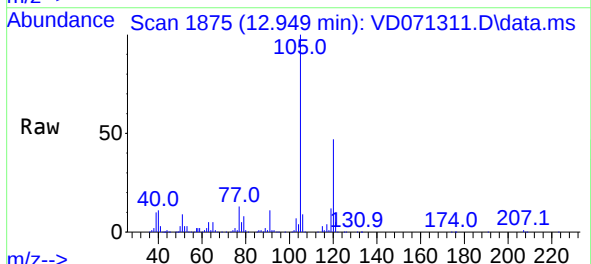
Instrument :  
MSVOA\_D  
ClientSampleId :

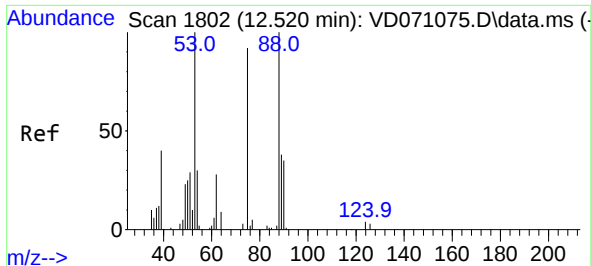
Tgt Ion: 91 Resp: 187485  
Ion Ratio Lower Upper  
91 100  
126 31.4 16.6 49.7



#80  
1,3,5-Trimethylbenzene  
Concen: 16.731 ug/l  
RT: 12.949 min Scan# 1875  
Delta R.T. 0.000 min  
Lab File: VD071311.D  
Acq: 14 Dec 2021 10:47

Tgt Ion:105 Resp: 218145  
Ion Ratio Lower Upper  
105 100  
120 48.1 24.6 73.8

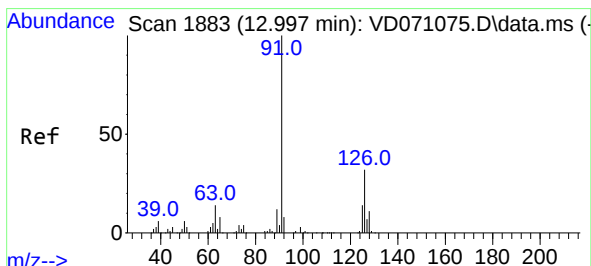
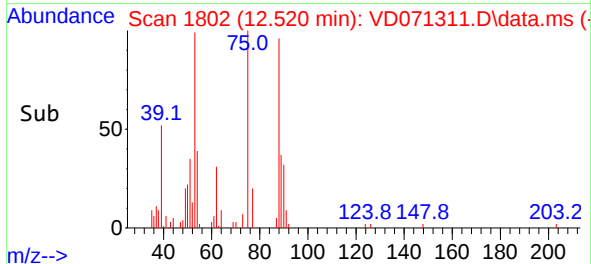
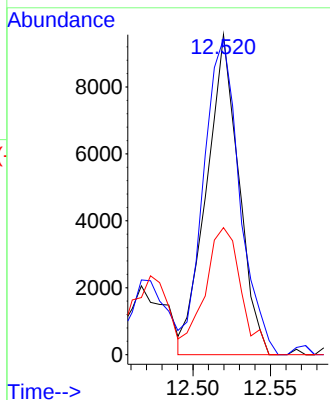
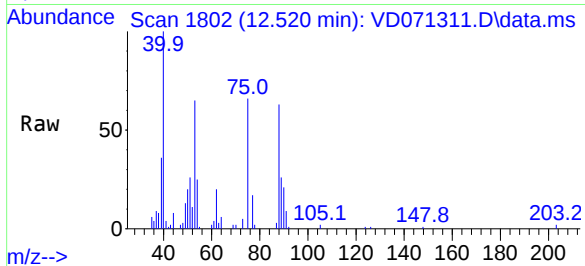




#81  
trans-1,4-Dichloro-2-butene  
Concen: 19.521 ug/l  
RT: 12.520 min Scan# 1802  
Delta R.T. -0.000 min  
Lab File: VD071311.D  
Acq: 14 Dec 2021 10:47

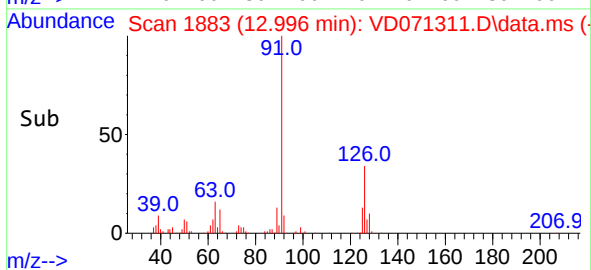
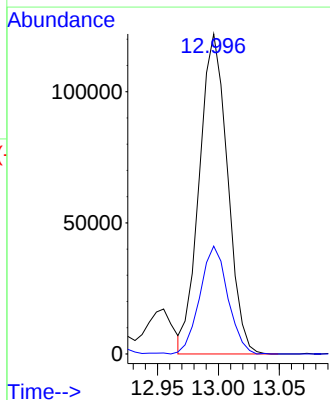
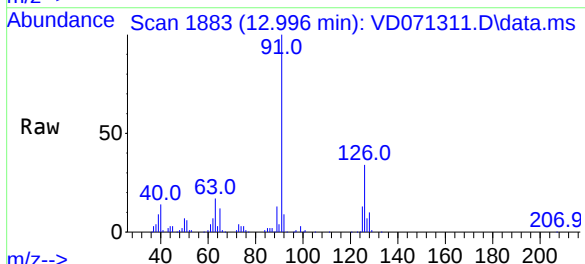
Instrument :  
MSVOA\_D  
ClientSampleId :

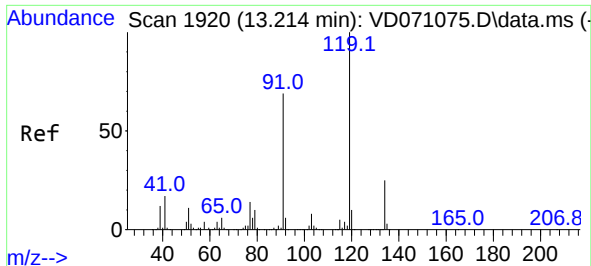
Tgt Ion: 75 Resp: 13825  
Ion Ratio Lower Upper  
75 100  
53 109.9 62.6 94.0#  
89 44.5 34.5 51.7



#82  
4-Chlorotoluene  
Concen: 17.069 ug/l  
RT: 12.996 min Scan# 1883  
Delta R.T. -0.001 min  
Lab File: VD071311.D  
Acq: 14 Dec 2021 10:47

Tgt Ion: 91 Resp: 195835  
Ion Ratio Lower Upper  
91 100  
126 33.4 16.4 49.1

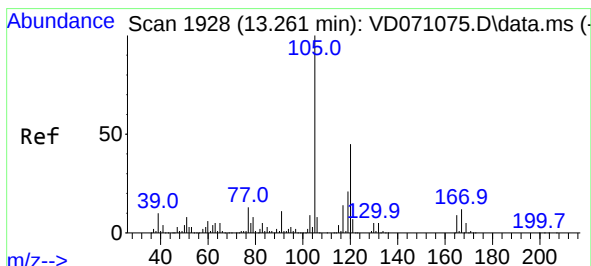
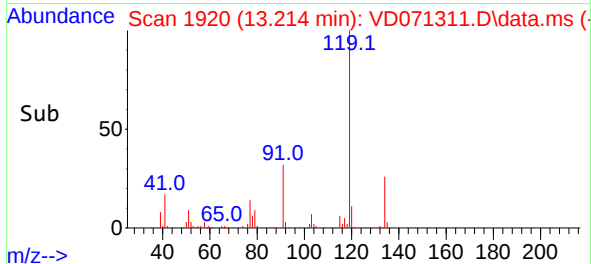
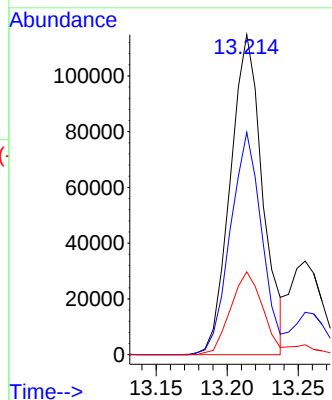
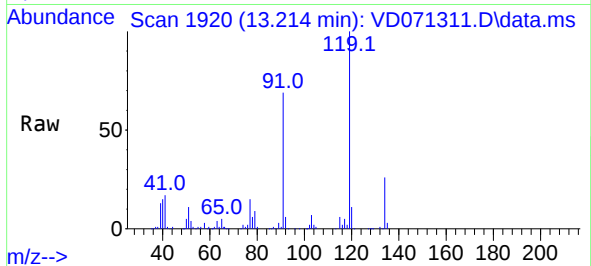




#83  
tert-Butylbenzene  
Concen: 16.225 ug/l  
RT: 13.214 min Scan# 1920  
Delta R.T. -0.000 min  
Lab File: VD071311.D  
Acq: 14 Dec 2021 10:47

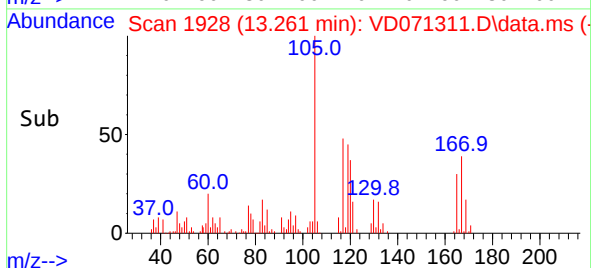
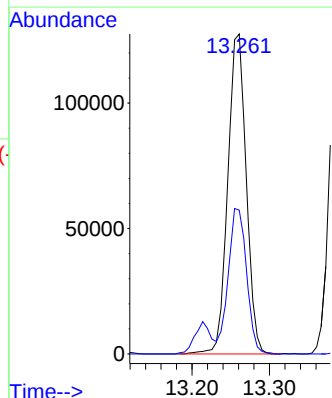
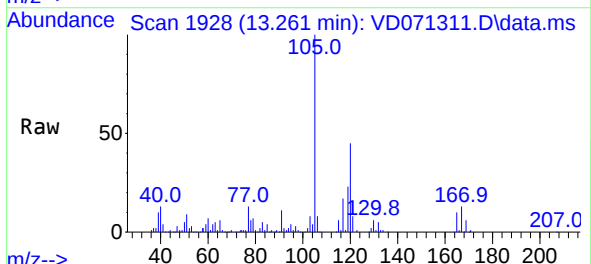
Instrument :  
MSVOA\_D  
ClientSampleId :

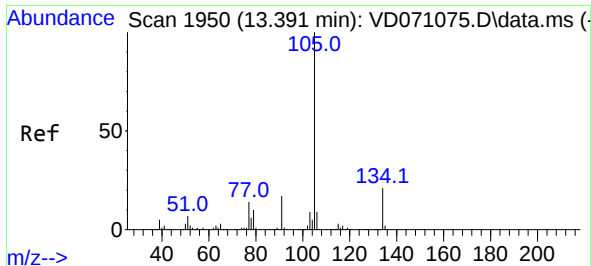
Tgt Ion:119 Resp: 181674  
Ion Ratio Lower Upper  
119 100  
91 69.1 32.5 97.5  
134 26.1 13.2 39.6



#84  
1,2,4-Trimethylbenzene  
Concen: 16.610 ug/l  
RT: 13.261 min Scan# 1928  
Delta R.T. -0.000 min  
Lab File: VD071311.D  
Acq: 14 Dec 2021 10:47

Tgt Ion:105 Resp: 211429  
Ion Ratio Lower Upper  
105 100  
120 45.1 22.9 68.7

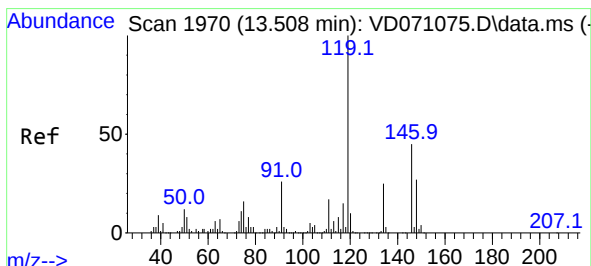
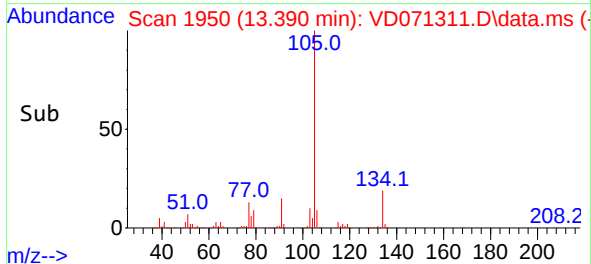
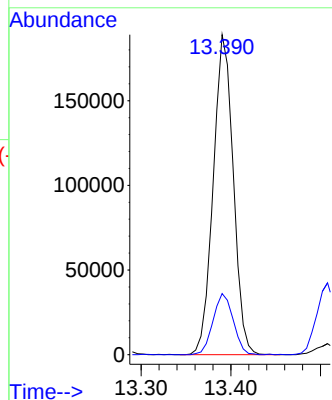
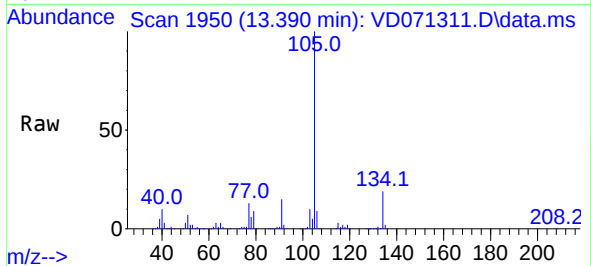




#85  
 sec-Butylbenzene  
 Concen: 17.135 ug/l  
 RT: 13.390 min Scan# 1950  
 Delta R.T. -0.001 min  
 Lab File: VD071311.D  
 Acq: 14 Dec 2021 10:47

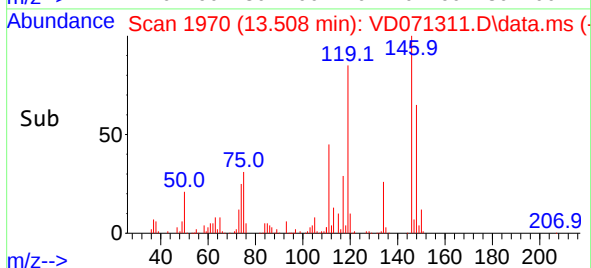
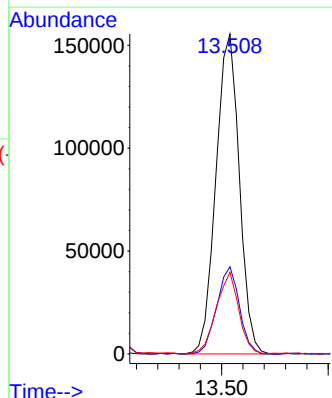
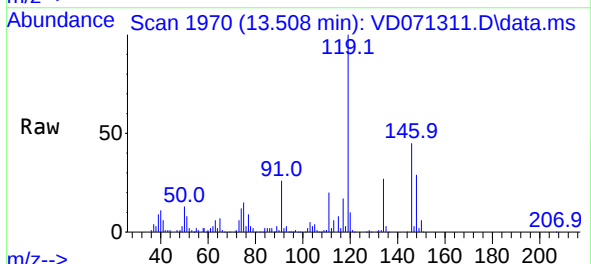
Instrument :  
 MSVOA\_D  
 ClientSampleId :

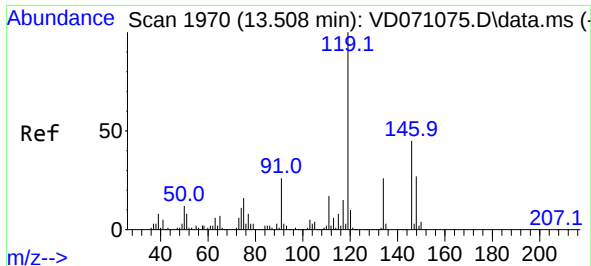
Tgt Ion:105 Resp: 293040  
 Ion Ratio Lower Upper  
 105 100  
 134 19.2 9.7 28.9



#86  
 p-Isopropyltoluene  
 Concen: 16.919 ug/l  
 RT: 13.508 min Scan# 1970  
 Delta R.T. -0.000 min  
 Lab File: VD071311.D  
 Acq: 14 Dec 2021 10:47

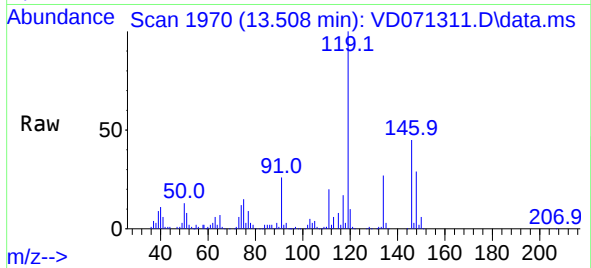
Tgt Ion:119 Resp: 236660  
 Ion Ratio Lower Upper  
 119 100  
 134 26.4 13.0 38.9  
 91 24.6 11.4 34.2



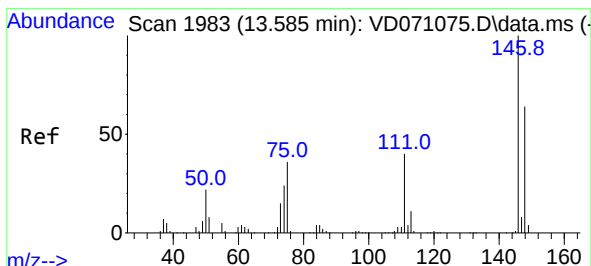
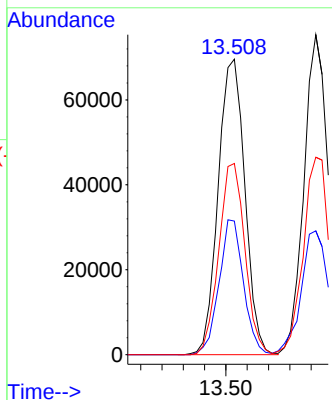
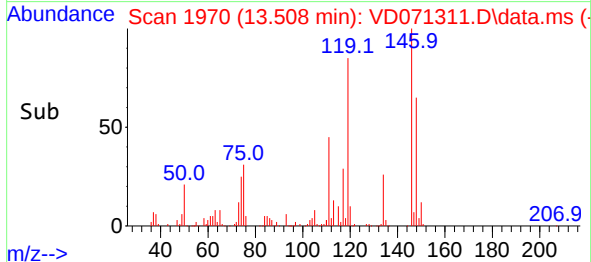


#87  
1,3-Dichlorobenzene  
Concen: 17.765 ug/l  
RT: 13.508 min Scan# 1970  
Delta R.T. -0.000 min  
Lab File: VD071311.D  
Acq: 14 Dec 2021 10:47

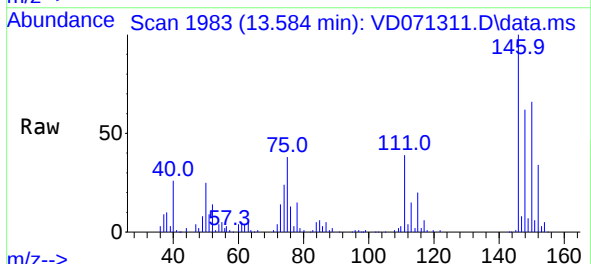
Instrument :  
MSVOA\_D  
ClientSampleId :



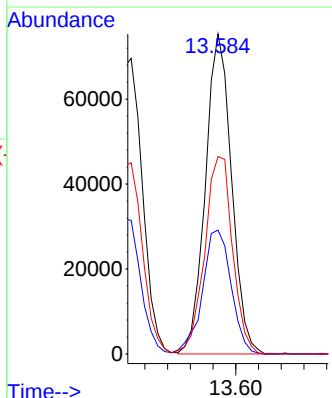
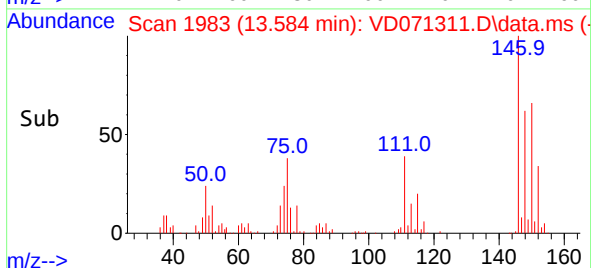
Tgt Ion:146 Resp: 121111  
Ion Ratio Lower Upper  
146 100  
111 41.8 19.8 59.4  
148 63.3 32.1 96.3

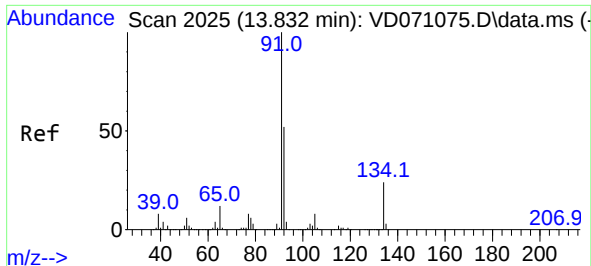


#88  
1,4-Dichlorobenzene  
Concen: 17.837 ug/l  
RT: 13.584 min Scan# 1983  
Delta R.T. -0.001 min  
Lab File: VD071311.D  
Acq: 14 Dec 2021 10:47



Tgt Ion:146 Resp: 120476  
Ion Ratio Lower Upper  
146 100  
111 42.5 19.6 58.8  
148 65.8 31.5 94.5





#89

n-Butylbenzene

Concen: 16.875 ug/l

RT: 13.831 min Scan# 2025

Delta R.T. -0.001 min

Lab File: VD071311.D

Acq: 14 Dec 2021 10:47

Instrument :

MSVOA\_D

ClientSampleId :

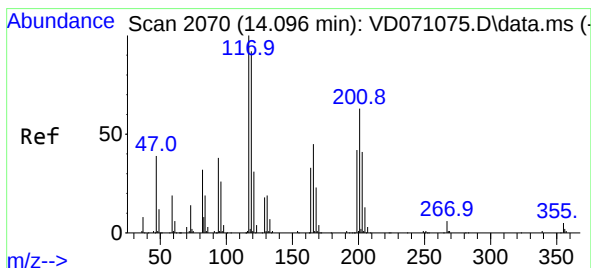
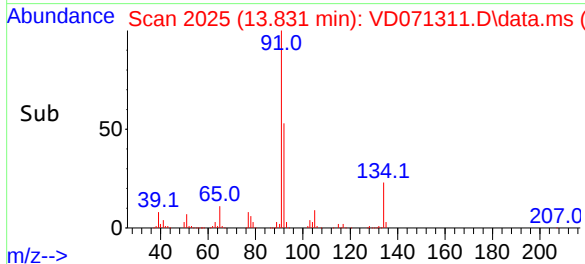
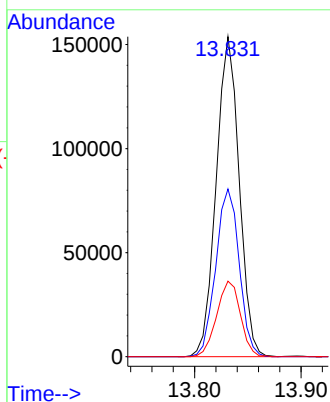
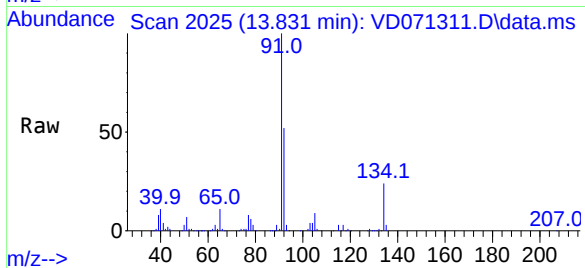
Tgt Ion: 91 Resp: 230417

Ion Ratio Lower Upper

91 100

92 53.3 27.3 81.9

134 24.3 12.3 36.9



#90

Hexachloroethane

Concen: 17.784 ug/l

RT: 14.102 min Scan# 2071

Delta R.T. 0.006 min

Lab File: VD071311.D

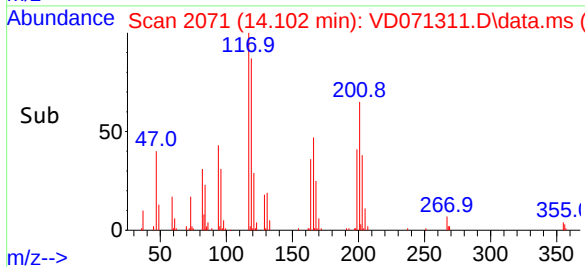
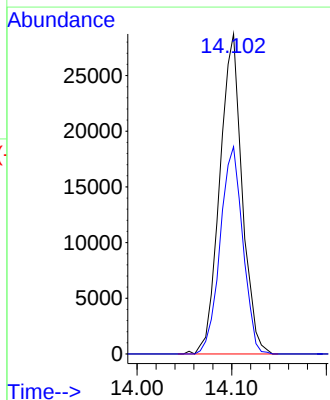
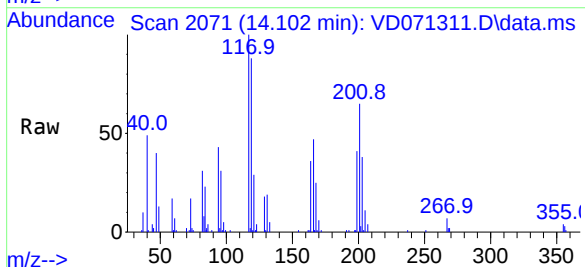
Acq: 14 Dec 2021 10:47

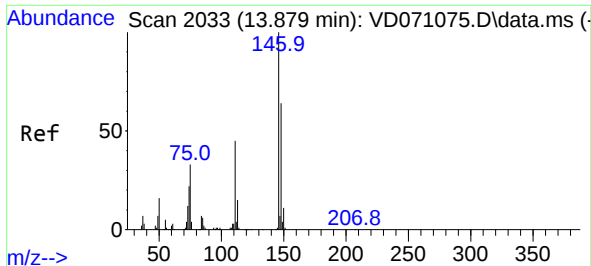
Tgt Ion: 117 Resp: 47155

Ion Ratio Lower Upper

117 100

201 65.4 36.0 108.1





#91

1,2-Dichlorobenzene

Concen: 18.409 ug/l

RT: 13.878 min Scan# 2033

Delta R.T. -0.001 min

Lab File: VD071311.D

Acq: 14 Dec 2021 10:47

Instrument :

MSVOA\_D

ClientSampleId :

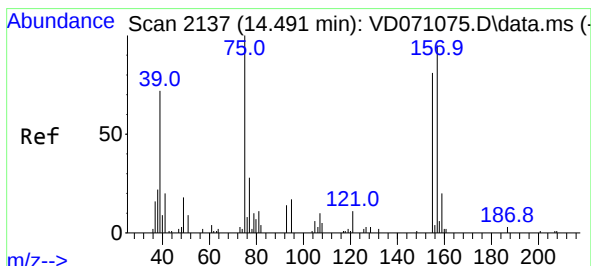
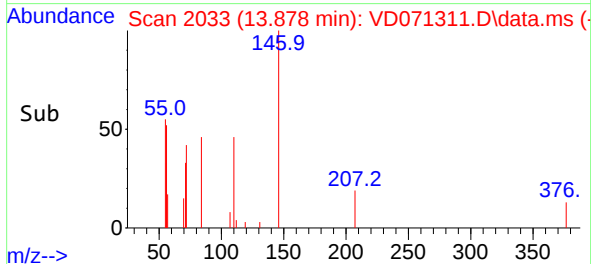
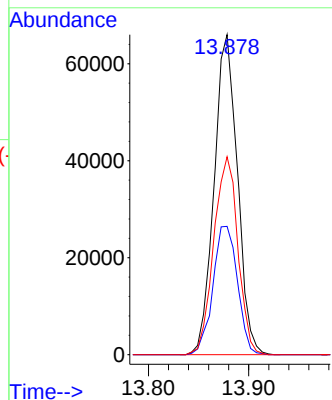
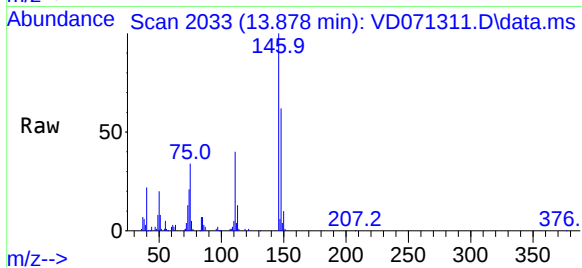
Tgt Ion:146 Resp: 106723

Ion Ratio Lower Upper

146 100

111 42.3 20.8 62.2

148 63.9 31.7 95.1



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.702 ug/l

RT: 14.490 min Scan# 2137

Delta R.T. -0.001 min

Lab File: VD071311.D

Acq: 14 Dec 2021 10:47

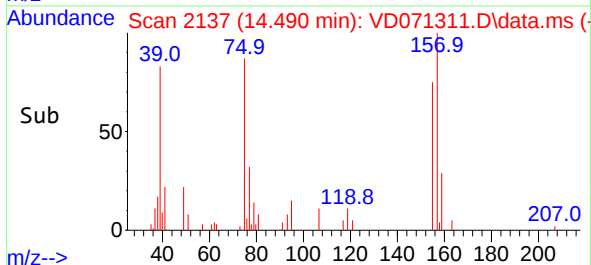
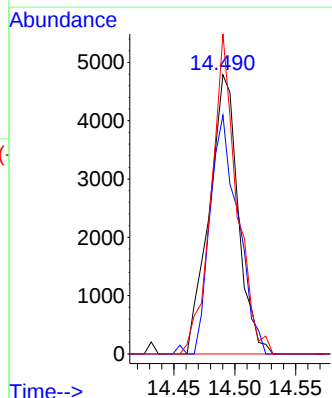
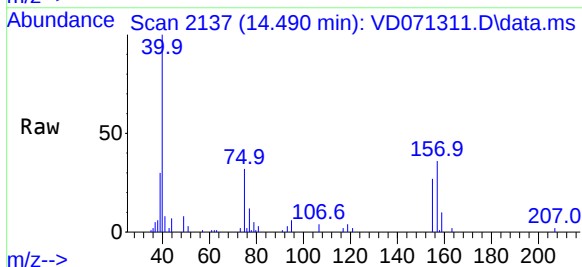
Tgt Ion: 75 Resp: 7930

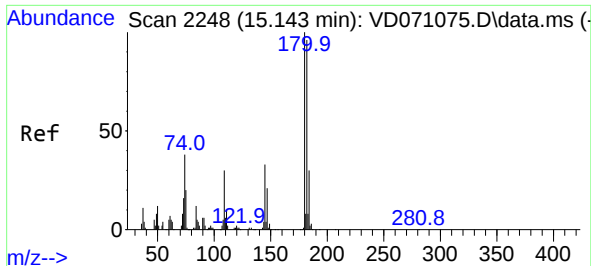
Ion Ratio Lower Upper

75 100

155 83.3 40.0 120.0

157 101.4 49.8 149.3

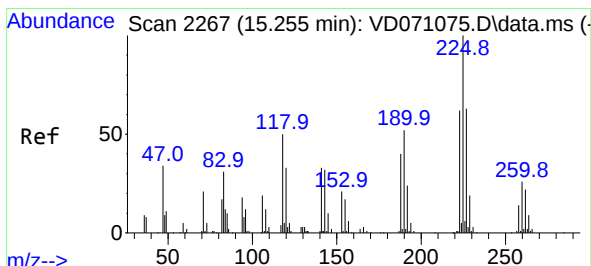
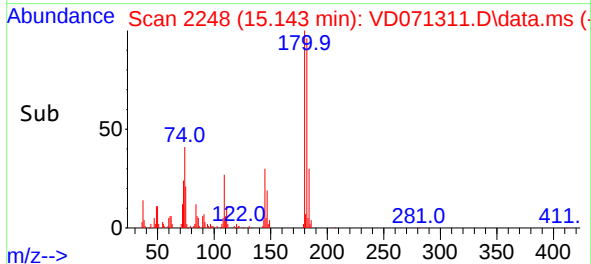
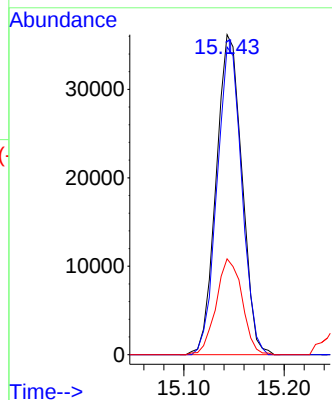
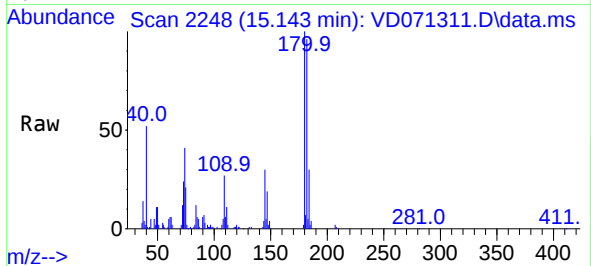




#93  
1,2,4-Trichlorobenzene  
Concen: 17.756 ug/l  
RT: 15.143 min Scan# 211  
Delta R.T. 0.000 min  
Lab File: VD071311.D  
Acq: 14 Dec 2021 10:47

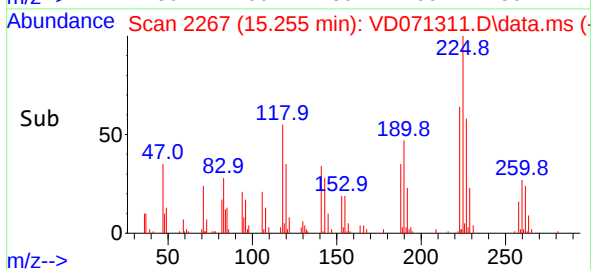
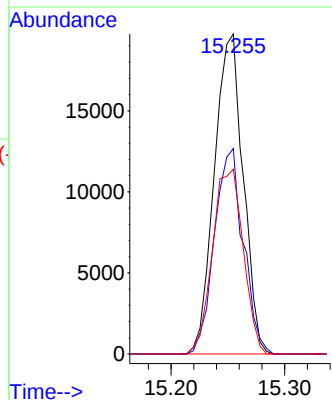
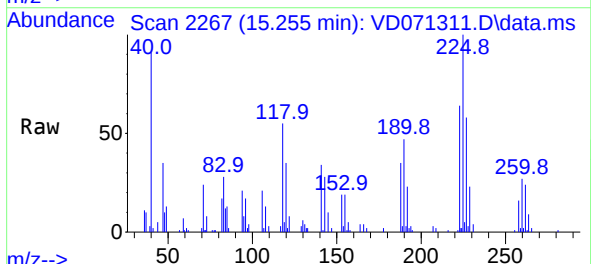
Instrument :  
MSVOA\_D  
ClientSampleId :

Tgt Ion:180 Resp: 64212  
Ion Ratio Lower Upper  
180 100  
182 93.1 48.2 144.6  
145 30.3 15.4 46.2



#94  
Hexachlorobutadiene  
Concen: 16.987 ug/l  
RT: 15.255 min Scan# 2267  
Delta R.T. -0.000 min  
Lab File: VD071311.D  
Acq: 14 Dec 2021 10:47

Tgt Ion:225 Resp: 34758  
Ion Ratio Lower Upper  
225 100  
223 64.3 31.8 95.3  
227 61.5 31.6 94.8

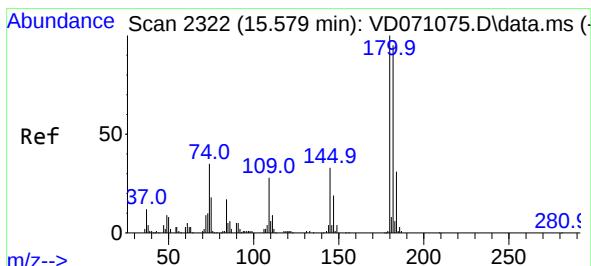
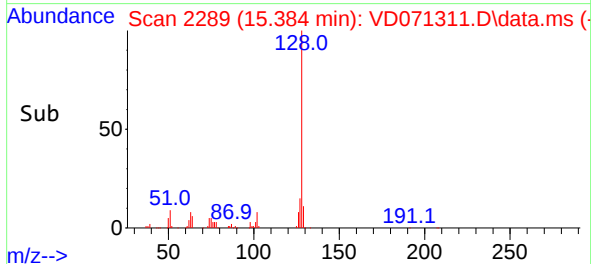
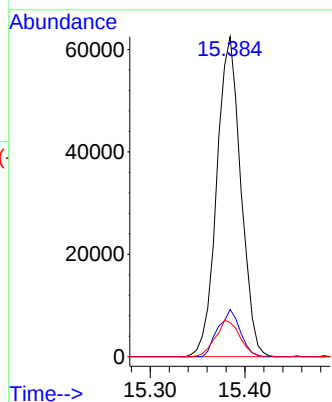
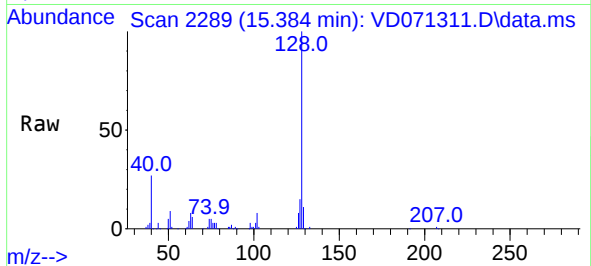




#95  
Naphthalene  
Concen: 17.277 ug/l  
RT: 15.384 min Scan# 211  
Delta R.T. -0.001 min  
Lab File: VD071311.D  
Acq: 14 Dec 2021 10:47

Instrument :  
MSVOA\_D  
ClientSampleId :

Tgt Ion:128 Resp: 110141  
Ion Ratio Lower Upper  
128 100  
127 13.6 10.7 16.1  
129 11.5 8.7 13.1



#96  
1,2,3-Trichlorobenzene  
Concen: 17.344 ug/l  
RT: 15.572 min Scan# 2321  
Delta R.T. -0.007 min  
Lab File: VD071311.D  
Acq: 14 Dec 2021 10:47

Tgt Ion:180 Resp: 53270  
Ion Ratio Lower Upper  
180 100  
182 99.0 46.7 140.1  
145 35.7 15.9 47.6

