

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD080922\  
 Data File : VD074015.D  
 Acq On : 10 Aug 2022 04:51  
 Operator : VA/SY  
 Sample : VSTDCCC050  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Aug 10 05:26:50 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D080922S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 10 01:05:43 2022  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 7.973  | 168   | 126439   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.855  | 114   | 214938   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.632 | 117   | 208529   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.561 | 152   | 109635   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.320  | 65    | 49918    | 44.531   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 50 - 163 | Recovery | =      | 89.060%  |
| 35) Dibromofluoromethane     | 7.903  | 113   | 62432    | 47.549   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 54 - 147 | Recovery | =      | 95.100%  |
| 50) Toluene-d8               | 10.332 | 98    | 153697   | 39.627   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 49 - 140 | Recovery | =      | 79.260%  |
| 62) 4-Bromofluorobenzene     | 12.620 | 95    | 80953    | 48.564   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 25 - 144 | Recovery | =      | 97.120%  |
| Target Compounds             |        |       |          |          |        |          |
|                              |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.991  | 85    | 43651    | 45.156   | ug/l   | 95       |
| 3) Chloromethane             | 2.209  | 50    | 69055    | 52.878   | ug/l   | 99       |
| 4) Vinyl Chloride            | 2.344  | 62    | 92081    | 42.999   | ug/l   | 100      |
| 5) Bromomethane              | 2.762  | 94    | 53899    | 47.404   | ug/l   | 96       |
| 6) Chloroethane              | 2.915  | 64    | 72363    | 47.498   | ug/l   | 94       |
| 7) Trichlorofluoromethane    | 3.262  | 101   | 96642    | 39.877   | ug/l   | 92       |
| 8) Diethyl Ether             | 3.715  | 74    | 26795    | 51.041   | ug/l   | 99       |
| 9) 1,1,2-Trichlorotrifluo... | 4.085  | 101   | 56823    | 43.920   | ug/l   | 98       |
| 10) Methyl Iodide            | 4.297  | 142   | 54694    | 47.955   | ug/l   | 99       |
| 11) Tert butyl alcohol       | 5.226  | 59    | 21430    | 235.621  | ug/l # | 87       |
| 12) 1,1-Dichloroethene       | 4.056  | 96    | 48333    | 44.949   | ug/l   | 93       |
| 13) Acrolein                 | 3.920  | 56    | 17719    | 240.615  | ug/l   | 99       |
| 14) Allyl chloride           | 4.703  | 41    | 65753    | 45.054   | ug/l   | 99       |
| 15) Acrylonitrile            | 5.414  | 53    | 65805    | 267.242  | ug/l   | 97       |
| 16) Acetone                  | 4.162  | 43    | 50496    | 216.020  | ug/l # | 89       |
| 17) Carbon Disulfide         | 4.403  | 76    | 108289   | 47.157   | ug/l   | 98       |
| 18) Methyl Acetate           | 4.714  | 43    | 32133    | 58.661   | ug/l   | 98       |
| 19) Methyl tert-butyl Ether  | 5.473  | 73    | 148137   | 53.589   | ug/l   | 99       |
| 20) Methylene Chloride       | 4.956  | 84    | 80322    | 56.558   | ug/l   | 97       |
| 21) trans-1,2-Dichloroethene | 5.467  | 96    | 58142    | 46.112   | ug/l   | 96       |
| 22) Diisopropyl ether        | 6.356  | 45    | 175412   | 53.887   | ug/l   | 95       |
| 23) Vinyl Acetate            | 6.297  | 43    | 473617   | 53.215   | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 6.261  | 63    | 110766   | 49.329   | ug/l   | 97       |
| 25) 2-Butanone               | 7.208  | 43    | 86215    | 243.258  | ug/l   | 94       |
| 26) 2,2-Dichloropropane      | 7.203  | 77    | 83896    | 36.273   | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene   | 7.203  | 96    | 72246    | 48.985   | ug/l   | 98       |
| 28) Bromochloromethane       | 7.538  | 49    | 40505    | 56.660   | ug/l # | 98       |
| 29) Tetrahydrofuran          | 7.561  | 42    | 54609    | 280.552  | ug/l   | 99       |
| 30) Chloroform               | 7.703  | 83    | 136125   | 52.283   | ug/l   | 98       |
| 31) Cyclohexane              | 7.979  | 56    | 71151    | 45.679   | ug/l   | 100      |
| 32) 1,1,1-Trichloroethane    | 7.897  | 97    | 114866   | 46.507   | ug/l   | 97       |
| 36) 1,1-Dichloropropene      | 8.103  | 75    | 79692    | 43.121   | ug/l   | 99       |
| 37) Ethyl Acetate            | 7.291  | 43    | 41141    | 50.399   | ug/l   | 96       |
| 38) Carbon Tetrachloride     | 8.091  | 117   | 96062    | 44.151   | ug/l   | 95       |
| 39) Methylcyclohexane        | 9.350  | 83    | 80403    | 40.825   | ug/l   | 97       |
| 40) Benzene                  | 8.344  | 78    | 248071   | 47.701   | ug/l   | 98       |

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 Sample : VSTDCCC050  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Aug 10 05:26:50 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D080922S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 10 01:05:43 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.520  | 41   | 19669    | 47.131   | ug/l   | 95       |
| 42) 1,2-Dichloroethane        | 8.414  | 62   | 84367    | 50.582   | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.444  | 43   | 77191    | 50.806   | ug/l   | 100      |
| 44) Trichloroethene           | 9.102  | 130  | 68649    | 44.977   | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 9.379  | 63   | 63947    | 50.193   | ug/l   | 97       |
| 46) Dibromomethane            | 9.467  | 93   | 44388    | 52.661   | ug/l   | 94       |
| 47) Bromodichloromethane      | 9.650  | 83   | 105873   | 50.046   | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.450  | 41   | 35966    | 52.839   | ug/l   | 95       |
| 49) 1,4-Dioxane               | 9.455  | 88   | 9739     | 1020.856 | ug/l   | 95       |
| 51) 4-Methyl-2-Pentanone      | 10.220 | 43   | 211749   | 269.999  | ug/l   | 100      |
| 52) Toluene                   | 10.391 | 92   | 164731   | 48.017   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.608 | 75   | 87707    | 47.536   | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 10.079 | 75   | 98147    | 46.613   | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 10.791 | 97   | 57073    | 51.540   | ug/l   | 98       |
| 56) Ethyl methacrylate        | 10.649 | 69   | 63334    | 52.683   | ug/l   | 96       |
| 57) 1,3-Dichloropropane       | 10.938 | 76   | 91222    | 51.953   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.932  | 63   | 122152   | 291.170  | ug/l   | 99       |
| 59) 2-Hexanone                | 10.973 | 43   | 143669   | 270.223  | ug/l   | 95       |
| 60) Dibromochloromethane      | 11.126 | 129  | 76005    | 51.564   | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.232 | 107  | 55229    | 51.170   | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.867 | 164  | 58383    | 44.013   | ug/l   | 94       |
| 65) Chlorobenzene             | 11.655 | 112  | 188899   | 47.378   | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 11.726 | 131  | 77148    | 49.533   | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.732 | 91   | 325488   | 47.200   | ug/l   | 100      |
| 68) m/p-Xylenes               | 11.844 | 106  | 265930   | 96.030   | ug/l   | 100      |
| 69) o-Xylene                  | 12.167 | 106  | 124752   | 49.007   | ug/l   | 100      |
| 70) Styrene                   | 12.185 | 104  | 223970   | 50.283   | ug/l   | 98       |
| 71) Bromoform                 | 12.349 | 173  | 46374    | 49.920   | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.467 | 105  | 328710   | 46.277   | ug/l   | 99       |
| 74) N-amyl acetate            | 12.273 | 43   | 74177    | 48.978   | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 12.714 | 83   | 69491    | 50.303   | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane    | 12.761 | 75   | 80633    | 97.034   | ug/l # | 100      |
| 77) Bromobenzene              | 12.743 | 156  | 81010    | 46.643   | ug/l   | 98       |
| 78) n-propylbenzene           | 12.808 | 91   | 403140   | 46.180   | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.891 | 91   | 234220   | 47.237   | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 12.943 | 105  | 289046   | 47.592   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.514 | 75   | 15498    | 40.084   | ug/l   | 89       |
| 82) 4-Chlorotoluene           | 12.991 | 91   | 251657   | 47.773   | ug/l   | 98       |
| 83) tert-Butylbenzene         | 13.208 | 119  | 245553   | 46.660   | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 13.255 | 105  | 294553   | 48.331   | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.385 | 105  | 370595   | 46.313   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.496 | 119  | 314620   | 46.600   | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.496 | 146  | 173601   | 47.641   | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 13.579 | 146  | 170022   | 46.129   | ug/l   | 98       |
| 89) n-Butylbenzene            | 13.826 | 91   | 288149   | 45.517   | ug/l   | 99       |
| 90) Hexachloroethane          | 14.096 | 117  | 61985    | 45.618   | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene       | 13.873 | 146  | 148309   | 47.155   | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.485 | 75   | 11962    | 48.502   | ug/l   | 94       |
| 93) 1,2,4-Trichlorobenzene    | 15.137 | 180  | 84786    | 44.789   | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.237 | 225  | 46249    | 43.194   | ug/l   | 99       |
| 95) Naphthalene               | 15.379 | 128  | 174906   | 49.127   | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.573 | 180  | 80786    | 47.324   | ug/l   | 99       |

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Operator : VA/SY  
Sample : VSTDCCC050  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 37 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :

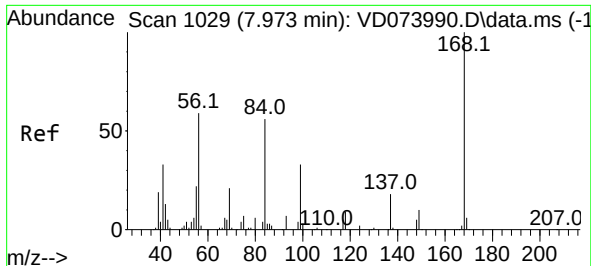
Quant Time: Aug 10 05:26:50 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D080922S.M  
Quant Title : SW846 8260  
QLast Update : Wed Aug 10 01:05:43 2022  
Response via : Initial Calibration

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

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

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Quant Title : SW846 8260  
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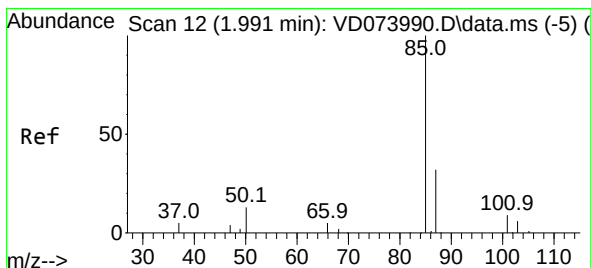
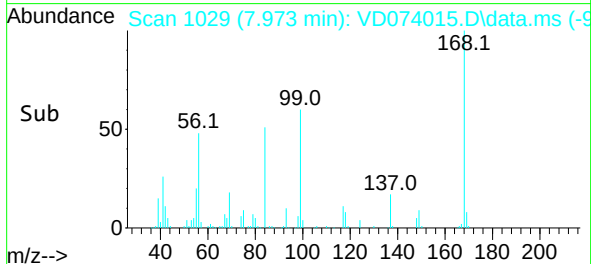
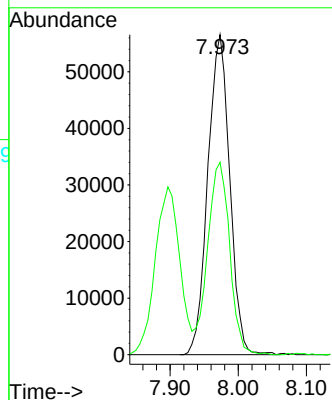
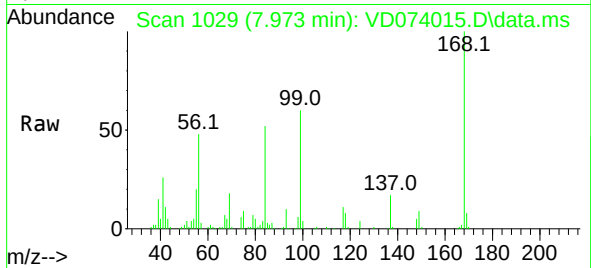




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.973 min Scan# 1029  
Delta R.T. 0.000 min  
Lab File: VD074015.D  
Acq: 10 Aug 2022 04:51

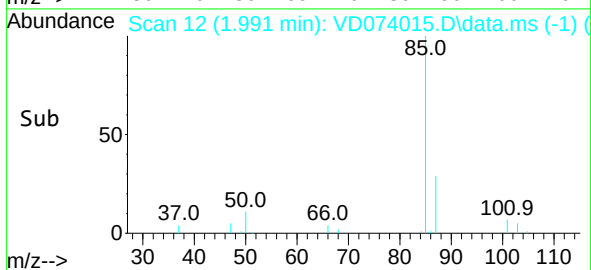
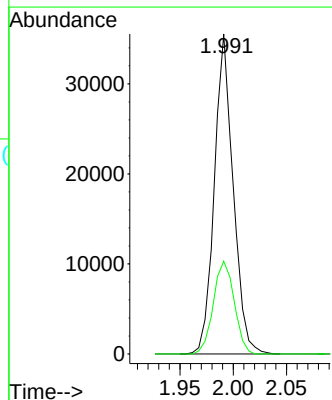
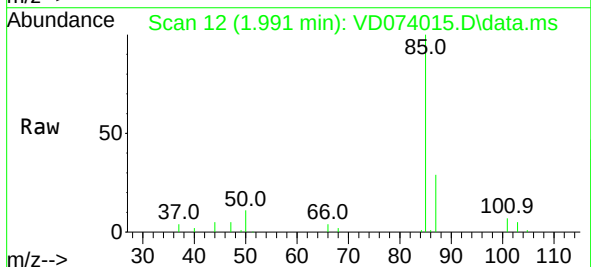
Instrument :  
MSVOA\_D  
ClientSampleId :

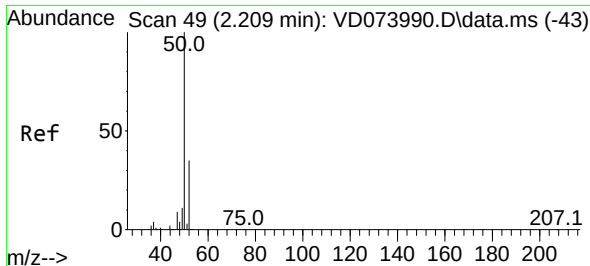
Tgt Ion:168 Resp: 126439  
Ion Ratio Lower Upper  
168 100  
99 60.1 48.3 72.5



#2  
Dichlorodifluoromethane  
Concen: 45.156 ug/l  
RT: 1.991 min Scan# 12  
Delta R.T. 0.000 min  
Lab File: VD074015.D  
Acq: 10 Aug 2022 04:51

Tgt Ion: 85 Resp: 43651  
Ion Ratio Lower Upper  
85 100  
87 29.0 16.0 47.9

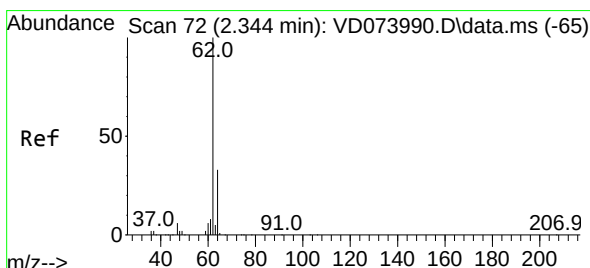
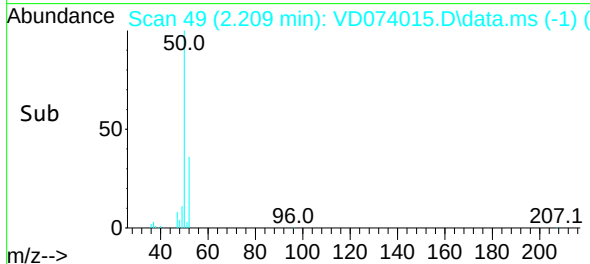
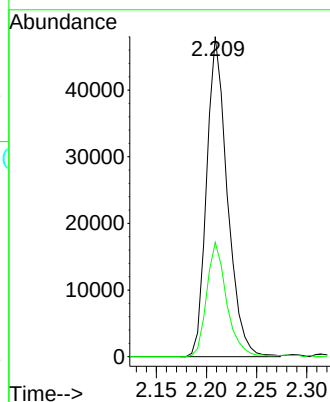
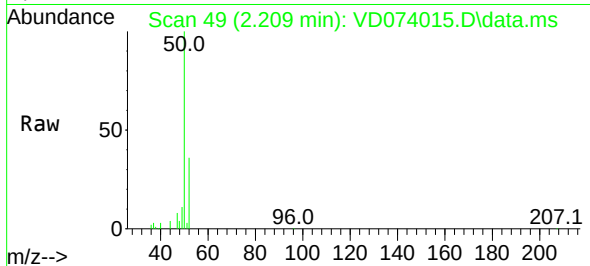




#3  
Chloromethane  
Concen: 52.878 ug/l  
RT: 2.209 min Scan# 49  
Delta R.T. -0.000 min  
Lab File: VD074015.D  
Acq: 10 Aug 2022 04:51

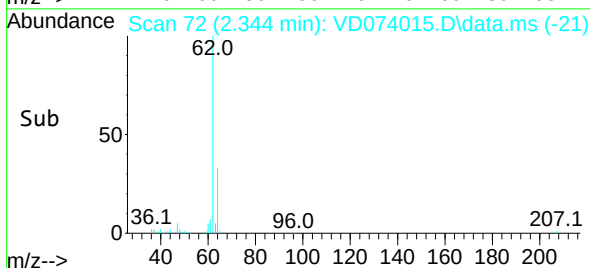
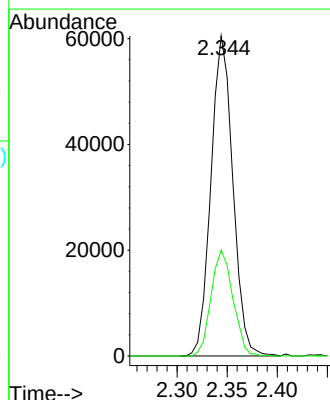
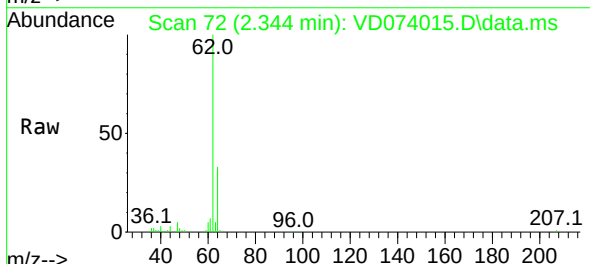
Instrument :  
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ClientSampleId :

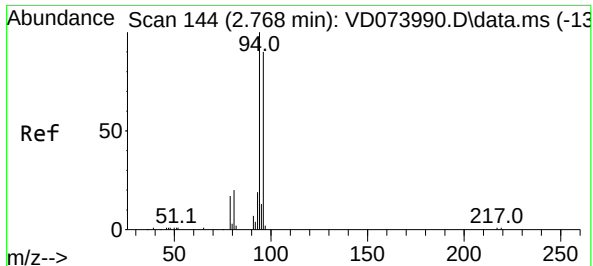
Tgt Ion: 50 Resp: 69055  
Ion Ratio Lower Upper  
50 100  
52 35.7 28.1 42.1



#4  
Vinyl Chloride  
Concen: 42.999 ug/l  
RT: 2.344 min Scan# 72  
Delta R.T. -0.000 min  
Lab File: VD074015.D  
Acq: 10 Aug 2022 04:51

Tgt Ion: 62 Resp: 92081  
Ion Ratio Lower Upper  
62 100  
64 33.1 26.2 39.4

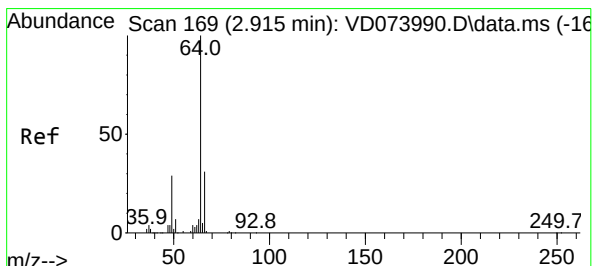
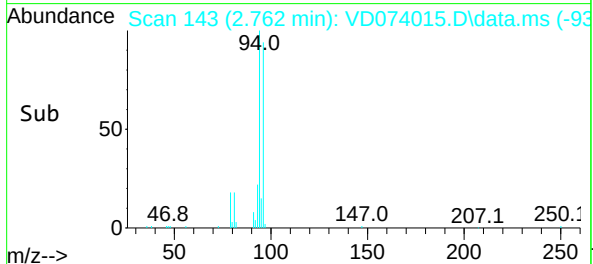
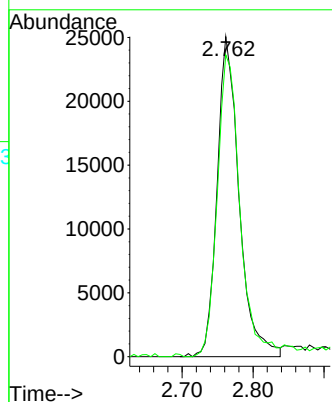
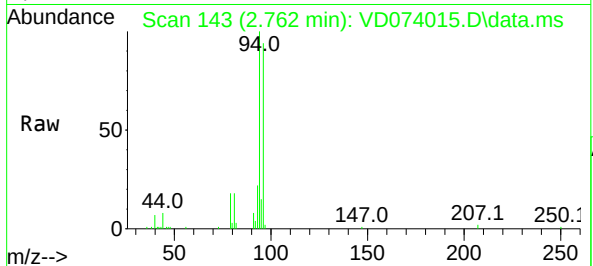




#5  
Bromomethane  
Concen: 47.404 ug/l  
RT: 2.762 min Scan# 14  
Delta R.T. -0.006 min  
Lab File: VD074015.D  
Acq: 10 Aug 2022 04:51

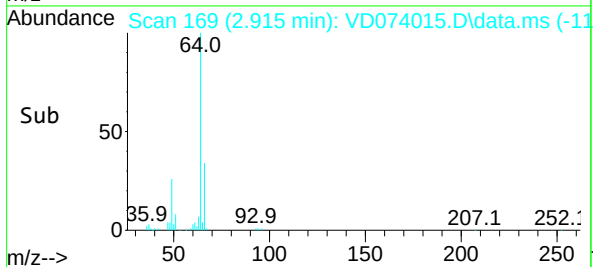
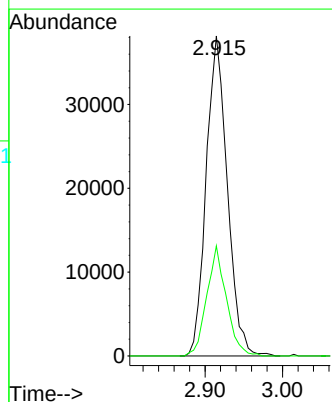
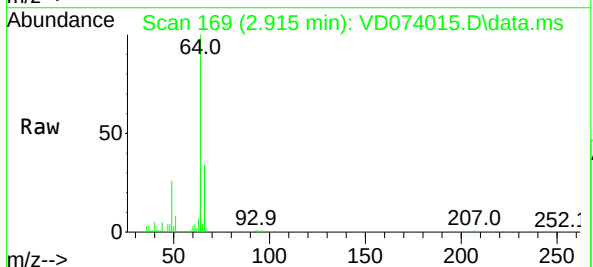
Instrument :  
MSVOA\_D  
ClientSampleId :

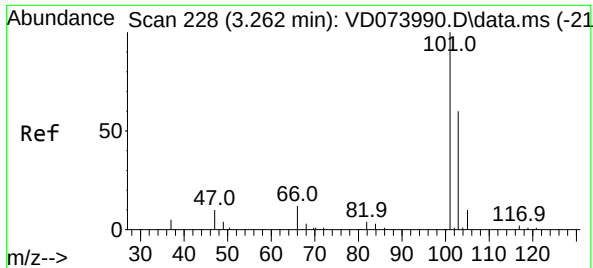
Tgt Ion: 94 Resp: 53899  
Ion Ratio Lower Upper  
94 100  
96 93.6 72.0 108.0



#6  
Chloroethane  
Concen: 47.498 ug/l  
RT: 2.915 min Scan# 169  
Delta R.T. -0.000 min  
Lab File: VD074015.D  
Acq: 10 Aug 2022 04:51

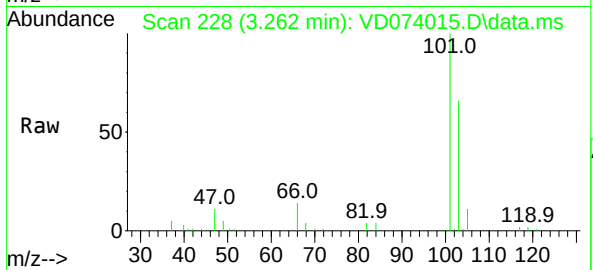
Tgt Ion: 64 Resp: 72363  
Ion Ratio Lower Upper  
64 100  
66 34.4 25.0 37.6



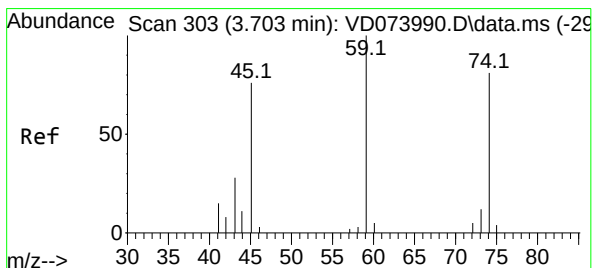
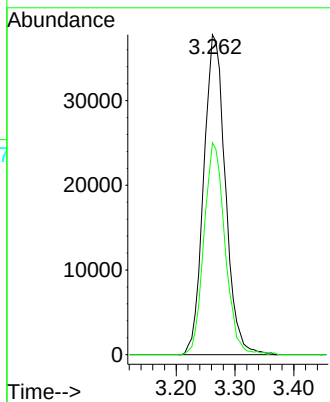
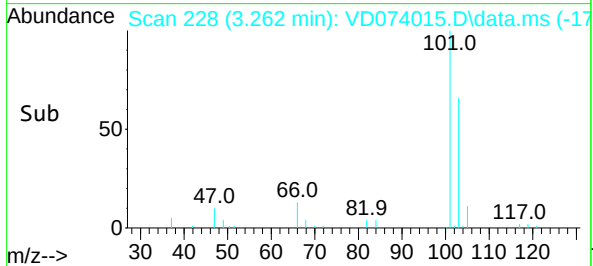


#7  
Trichlorofluoromethane  
Concen: 39.877 ug/l  
RT: 3.262 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VD074015.D  
Acq: 10 Aug 2022 04:51

Instrument :  
MSVOA\_D  
ClientSampleId :

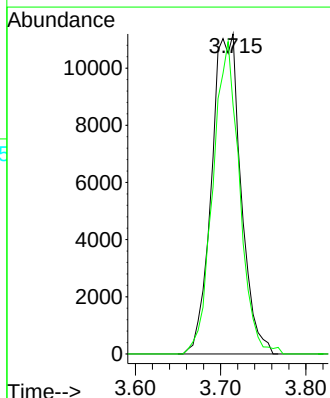
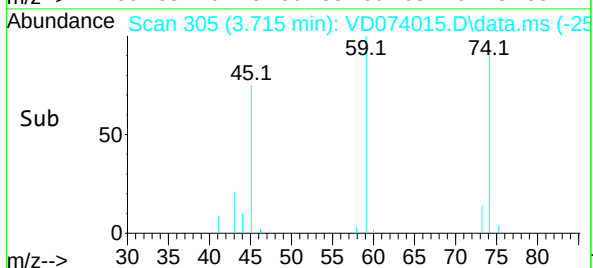
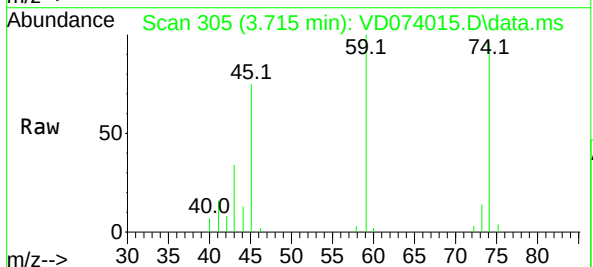


Tgt Ion:101 Resp: 96642  
Ion Ratio Lower Upper  
101 100  
103 66.3 48.2 72.2

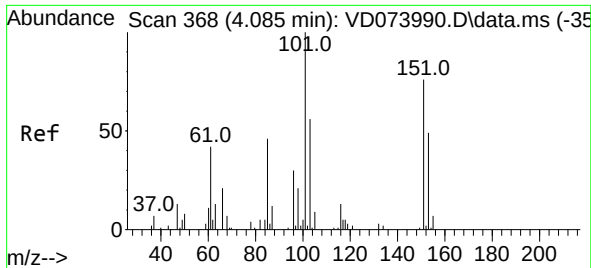


#8  
Diethyl Ether  
Concen: 51.041 ug/l  
RT: 3.715 min Scan# 305  
Delta R.T. 0.012 min  
Lab File: VD074015.D  
Acq: 10 Aug 2022 04:51

Tgt Ion: 74 Resp: 26795  
Ion Ratio Lower Upper  
74 100  
45 88.5 44.9 134.5



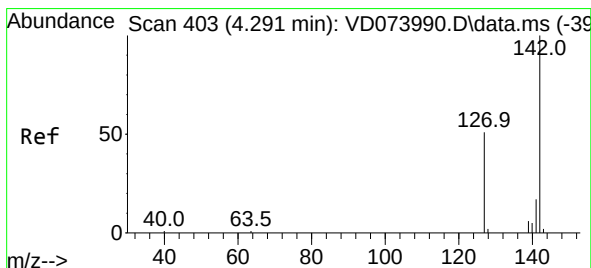
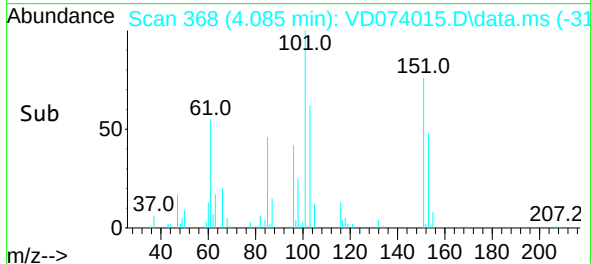
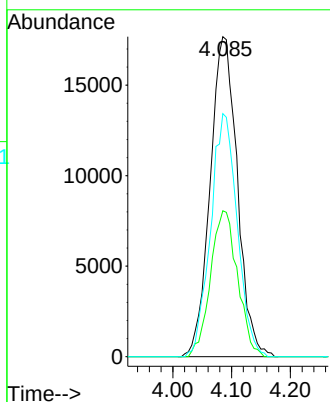
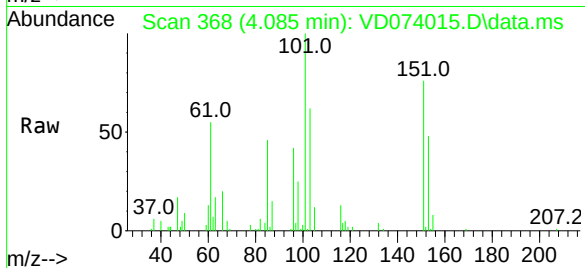




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 43.920 ug/l  
RT: 4.085 min Scan# 301  
Delta R.T. -0.000 min  
Lab File: VD074015.D  
Acq: 10 Aug 2022 04:51

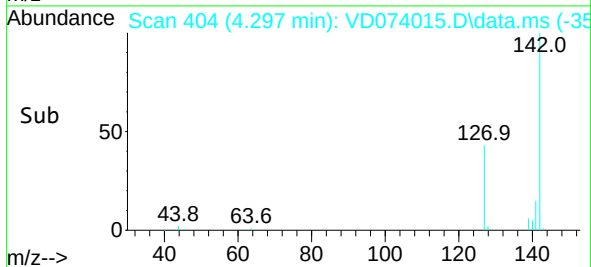
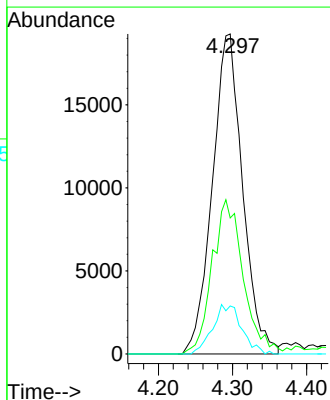
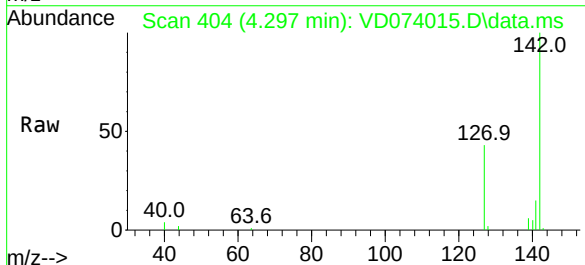
Instrument :  
MSVOA\_D  
ClientSampleId :

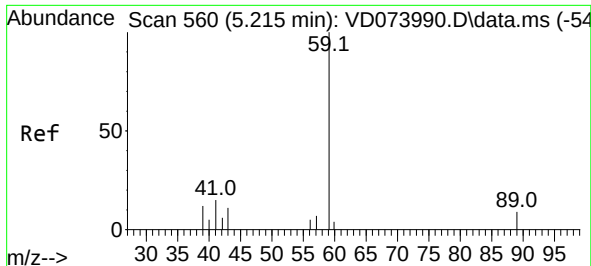
Tgt Ion:101 Resp: 56823  
Ion Ratio Lower Upper  
101 100  
85 45.3 37.1 55.7  
151 74.4 60.7 91.1



#10  
Methyl Iodide  
Concen: 47.955 ug/l  
RT: 4.297 min Scan# 404  
Delta R.T. 0.006 min  
Lab File: VD074015.D  
Acq: 10 Aug 2022 04:51

Tgt Ion:142 Resp: 54694  
Ion Ratio Lower Upper  
142 100  
127 49.4 39.7 59.5  
141 14.8 12.3 18.5

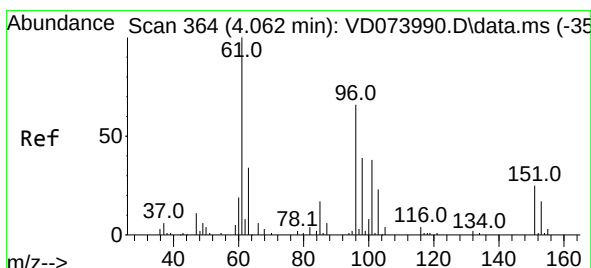
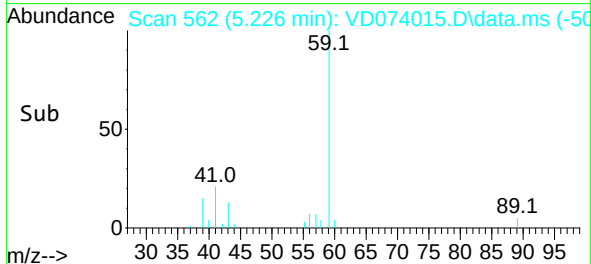
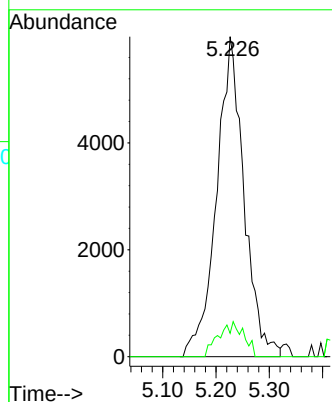
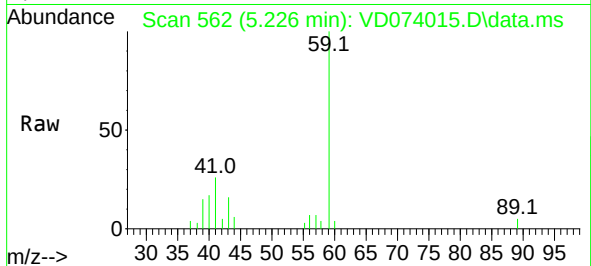




#11  
Tert butyl alcohol  
Concen: 235.621 ug/l  
RT: 5.226 min Scan# 50  
Delta R.T. 0.011 min  
Lab File: VD074015.D  
Acq: 10 Aug 2022 04:51

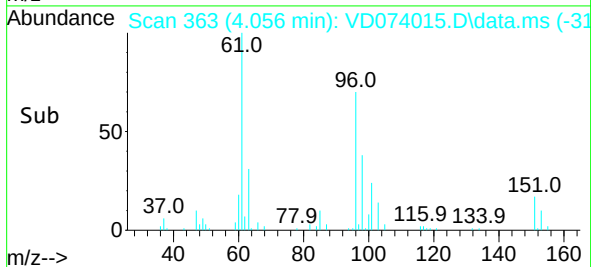
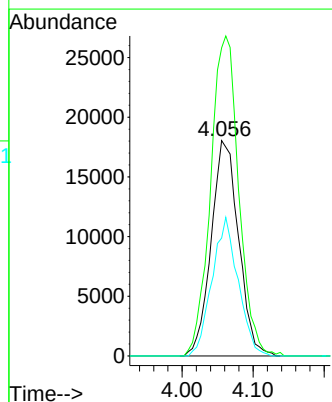
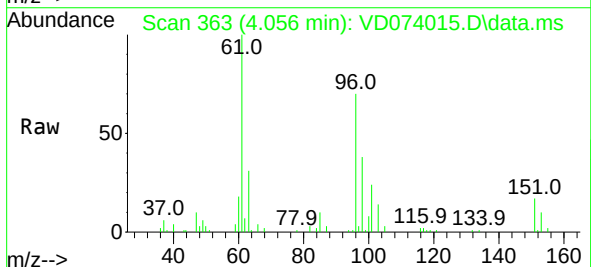
Instrument :  
MSVOA\_D  
ClientSampleId :

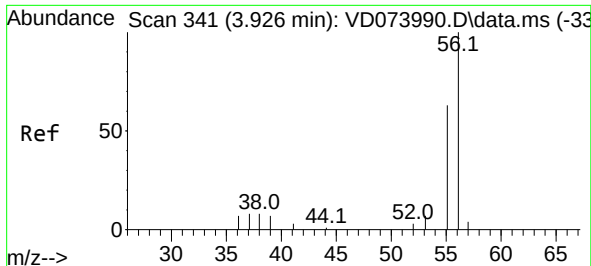
Tgt Ion: 59 Resp: 21430  
Ion Ratio Lower Upper  
59 100  
57 5.1 7.8 11.6#



#12  
1,1-Dichloroethene  
Concen: 44.949 ug/l  
RT: 4.056 min Scan# 363  
Delta R.T. -0.006 min  
Lab File: VD074015.D  
Acq: 10 Aug 2022 04:51

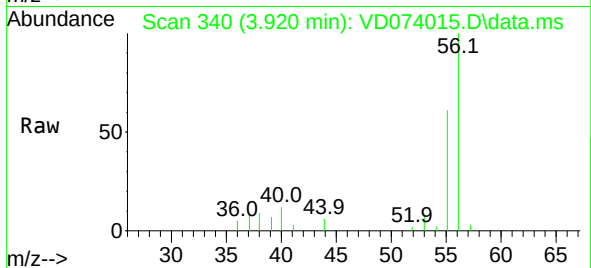
Tgt Ion: 96 Resp: 48333  
Ion Ratio Lower Upper  
96 100  
61 143.1 121.8 182.6  
98 54.8 47.1 70.7



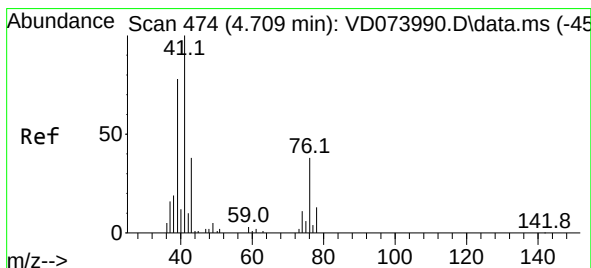
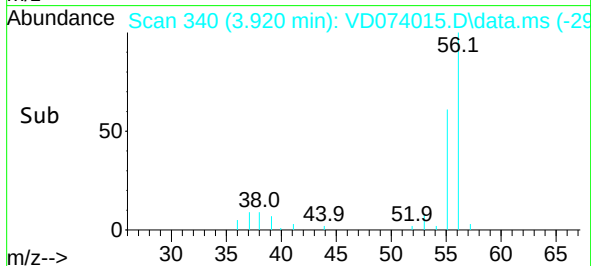
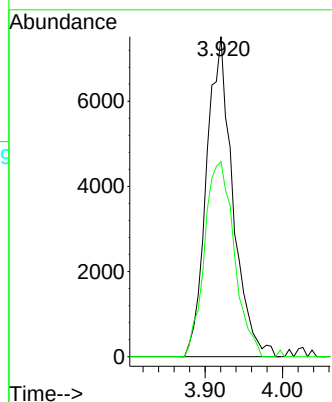


#13  
Acrolein  
Concen: 240.615 ug/l  
RT: 3.920 min Scan# 34  
Delta R.T. -0.006 min  
Lab File: VD074015.D  
Acq: 10 Aug 2022 04:51

Instrument :  
MSVOA\_D  
ClientSampleId :

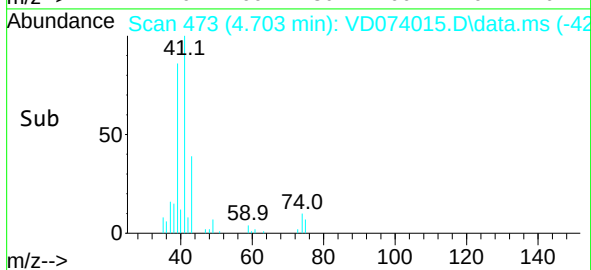
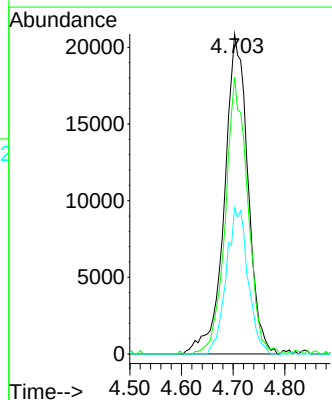
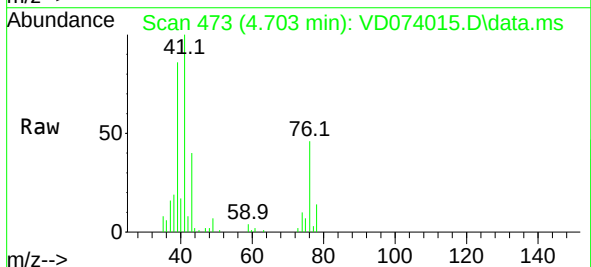


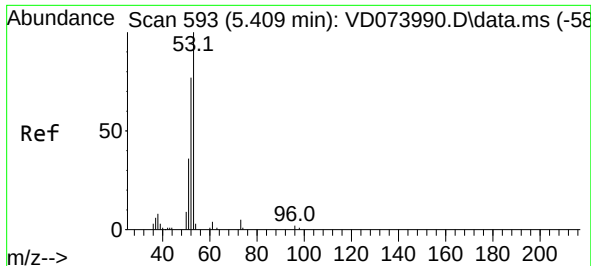
Tgt Ion: 56 Resp: 17719  
Ion Ratio Lower Upper  
56 100  
55 68.8 54.5 81.7



#14  
Allyl chloride  
Concen: 45.054 ug/l  
RT: 4.703 min Scan# 473  
Delta R.T. -0.006 min  
Lab File: VD074015.D  
Acq: 10 Aug 2022 04:51

Tgt Ion: 41 Resp: 65753  
Ion Ratio Lower Upper  
41 100  
39 82.0 65.3 97.9  
76 42.3 34.8 52.2

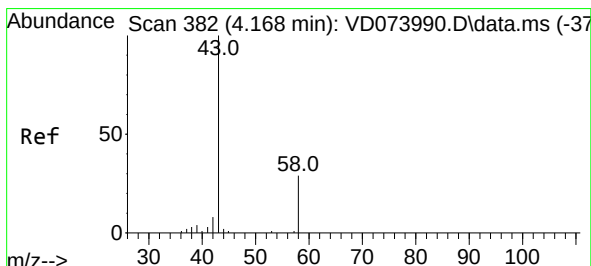
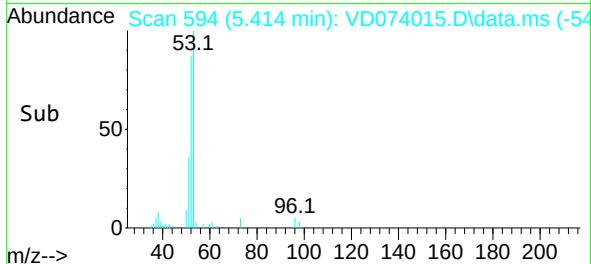
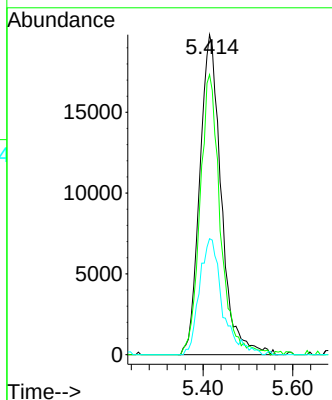
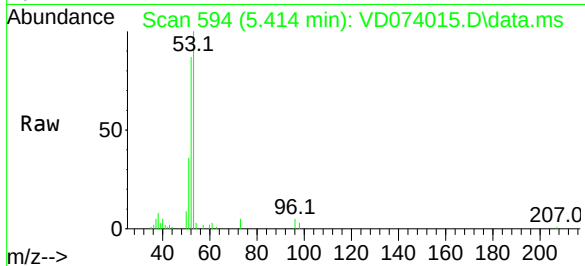




#15  
Acrylonitrile  
Concen: 267.242 ug/l  
RT: 5.414 min Scan# 594  
Delta R.T. 0.006 min  
Lab File: VD074015.D  
Acq: 10 Aug 2022 04:51

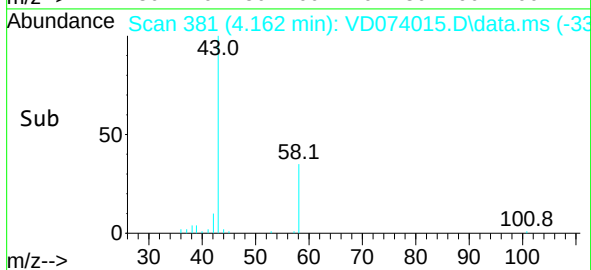
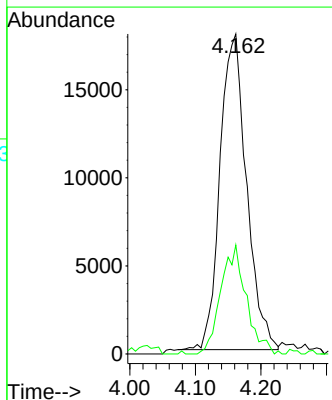
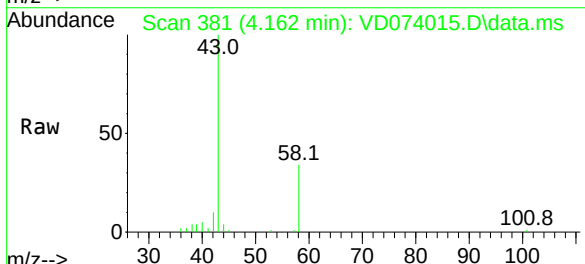
Instrument :  
MSVOA\_D  
ClientSampleId :

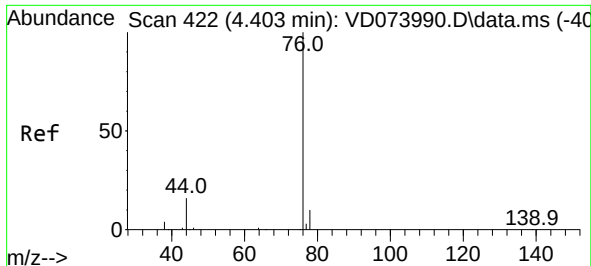
Tgt Ion: 53 Resp: 65805  
Ion Ratio Lower Upper  
53 100  
52 82.6 63.8 95.8  
51 36.9 31.2 46.8



#16  
Acetone  
Concen: 216.020 ug/l  
RT: 4.162 min Scan# 381  
Delta R.T. -0.006 min  
Lab File: VD074015.D  
Acq: 10 Aug 2022 04:51

Tgt Ion: 43 Resp: 50496  
Ion Ratio Lower Upper  
43 100  
58 34.5 22.8 34.2#

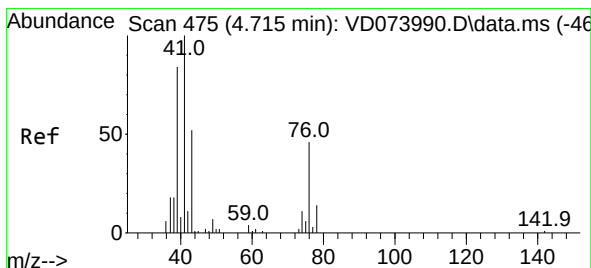
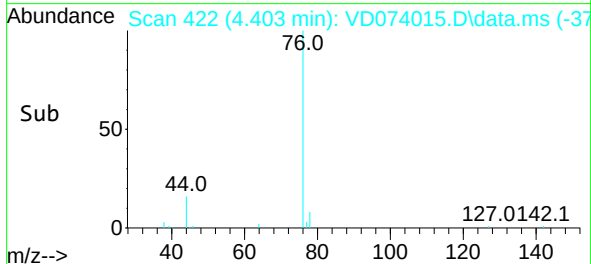
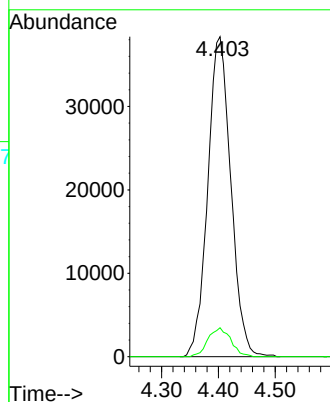
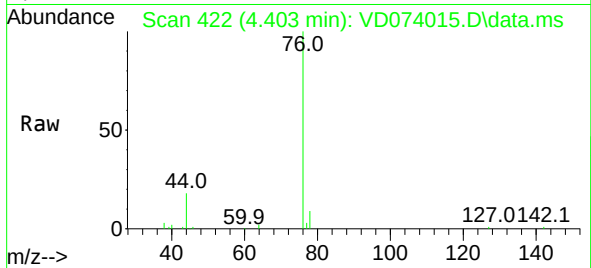




#17  
Carbon Disulfide  
Concen: 47.157 ug/l  
RT: 4.403 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: VD074015.D  
Acq: 10 Aug 2022 04:51

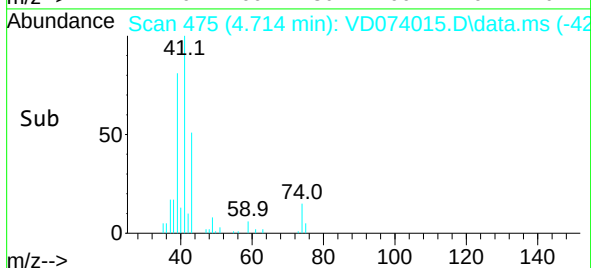
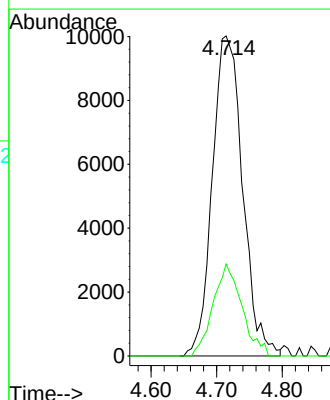
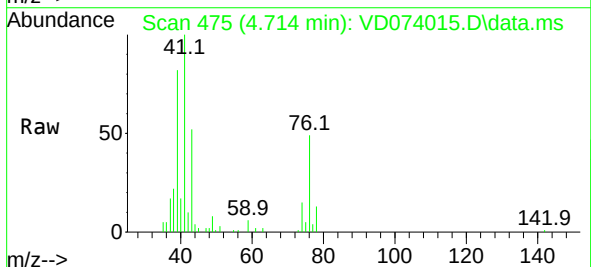
Instrument :  
MSVOA\_D  
ClientSampleId :

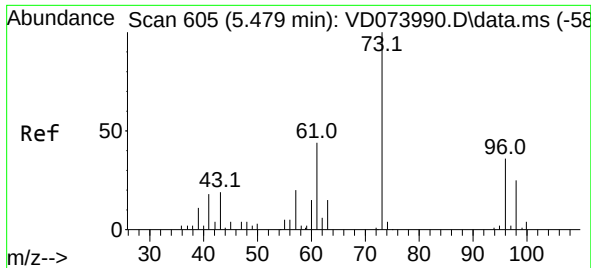
Tgt Ion: 76 Resp: 108289  
Ion Ratio Lower Upper  
76 100  
78 9.0 7.9 11.9



#18  
Methyl Acetate  
Concen: 58.661 ug/l  
RT: 4.714 min Scan# 475  
Delta R.T. -0.001 min  
Lab File: VD074015.D  
Acq: 10 Aug 2022 04:51

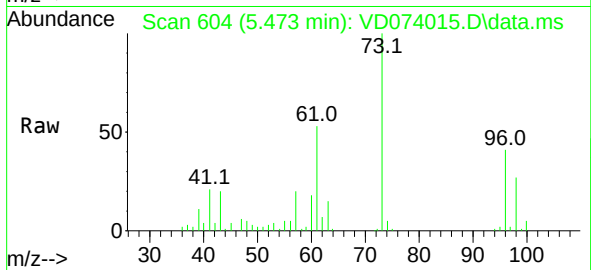
Tgt Ion: 43 Resp: 32133  
Ion Ratio Lower Upper  
43 100  
74 27.2 21.0 31.4



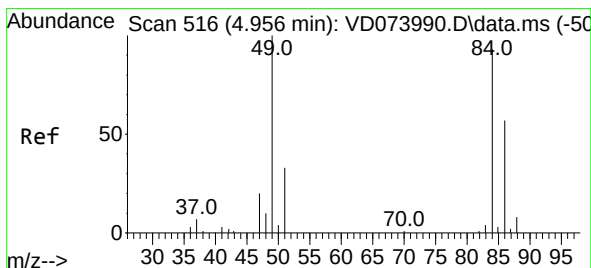
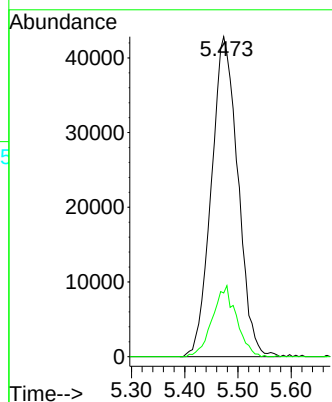
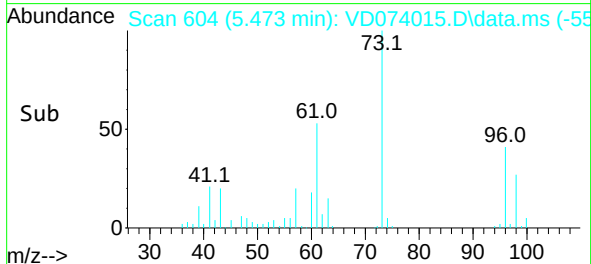


#19  
Methyl tert-butyl Ether  
Concen: 53.589 ug/l  
RT: 5.473 min Scan# 605  
Delta R.T. -0.006 min  
Lab File: VD074015.D  
Acq: 10 Aug 2022 04:51

Instrument :  
MSVOA\_D  
ClientSampleId :

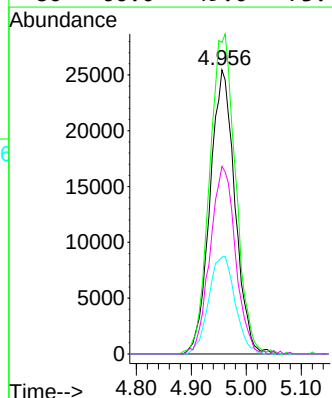
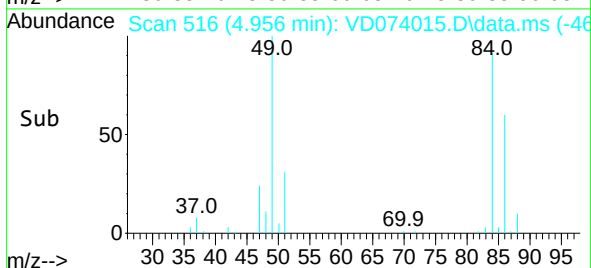
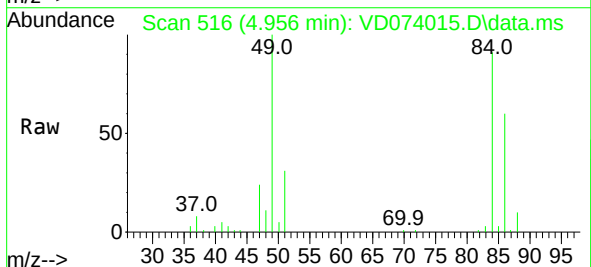


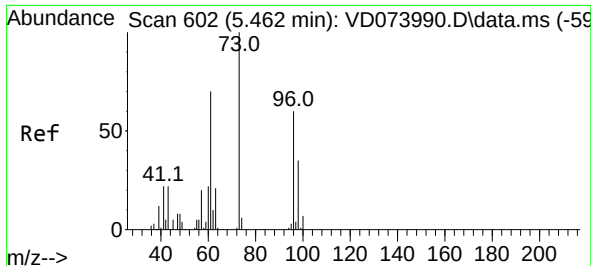
Tgt Ion: 73 Resp: 148137  
Ion Ratio Lower Upper  
73 100  
57 19.9 16.3 24.5



#20  
Methylene Chloride  
Concen: 56.558 ug/l  
RT: 4.956 min Scan# 516  
Delta R.T. -0.000 min  
Lab File: VD074015.D  
Acq: 10 Aug 2022 04:51

Tgt Ion: 84 Resp: 80322  
Ion Ratio Lower Upper  
84 100  
49 109.7 85.8 128.6  
51 34.1 28.0 42.0  
86 66.0 49.0 73.4

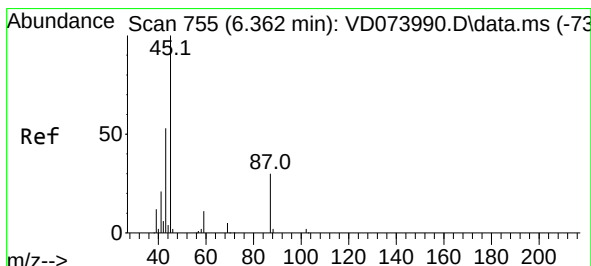
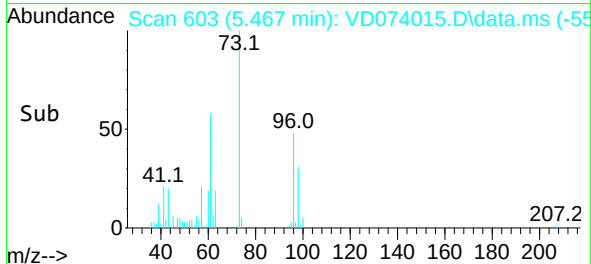
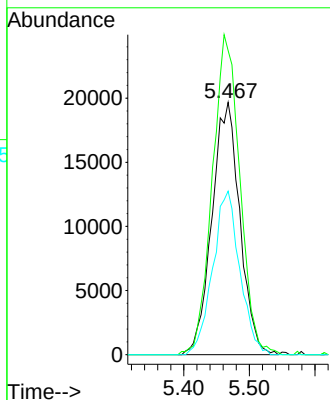
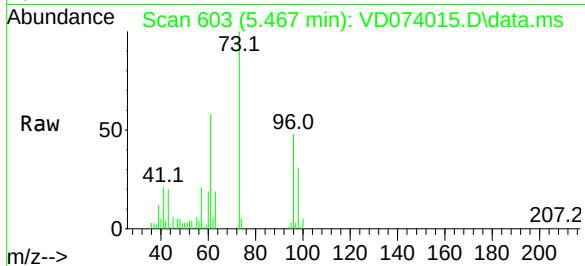




#21  
trans-1,2-Dichloroethene  
Concen: 46.112 ug/l  
RT: 5.467 min Scan# 60  
Delta R.T. 0.006 min  
Lab File: VD074015.D  
Acq: 10 Aug 2022 04:51

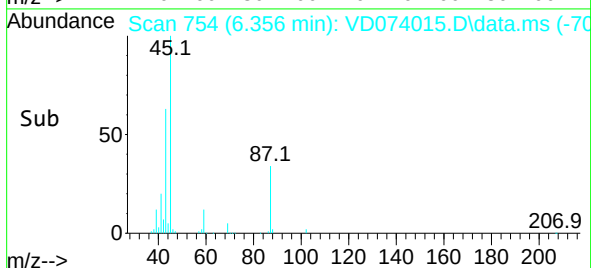
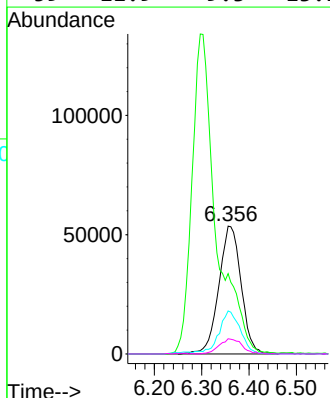
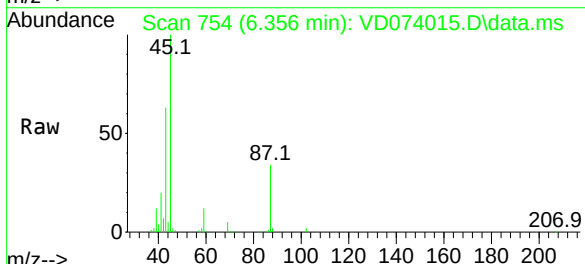
Instrument :  
MSVOA\_D  
ClientSampleId :

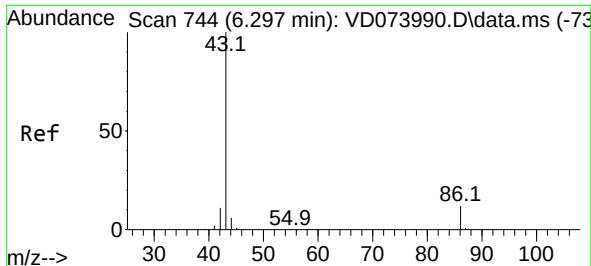
Tgt Ion: 96 Resp: 58142  
Ion Ratio Lower Upper  
96 100  
61 120.5 94.2 141.4  
98 64.8 47.2 70.8



#22  
Diisopropyl ether  
Concen: 53.887 ug/l  
RT: 6.356 min Scan# 754  
Delta R.T. -0.006 min  
Lab File: VD074015.D  
Acq: 10 Aug 2022 04:51

Tgt Ion: 45 Resp: 175412  
Ion Ratio Lower Upper  
45 100  
43 62.1 46.2 69.4  
87 33.6 25.1 37.7  
59 11.9 9.3 13.9

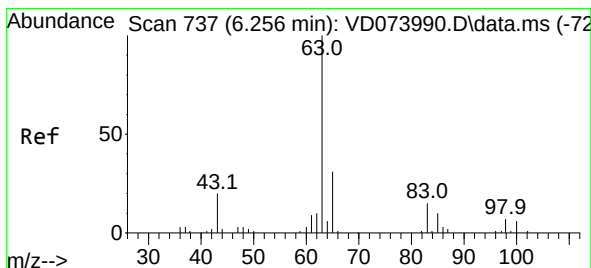
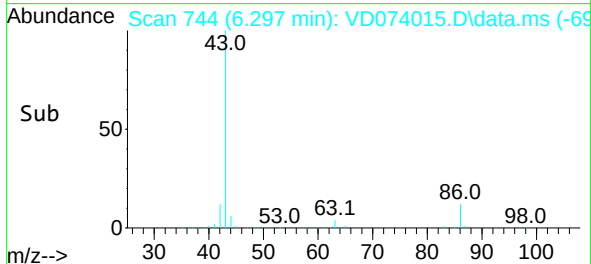
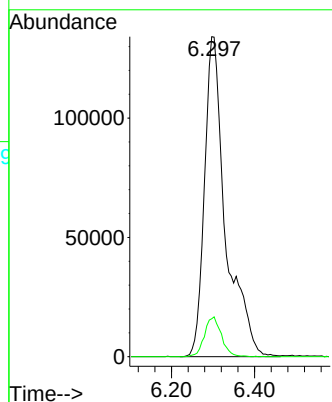
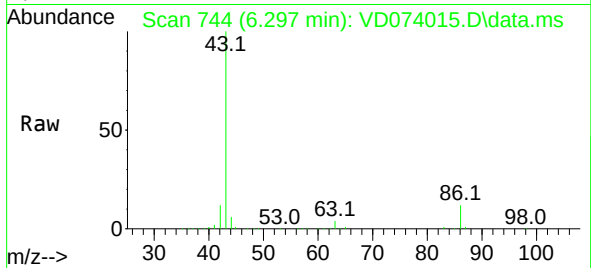




#23  
 Vinyl Acetate  
 Concen: 53.215 ug/l  
 RT: 6.297 min Scan# 744  
 Delta R.T. -0.000 min  
 Lab File: VD074015.D  
 Acq: 10 Aug 2022 04:51

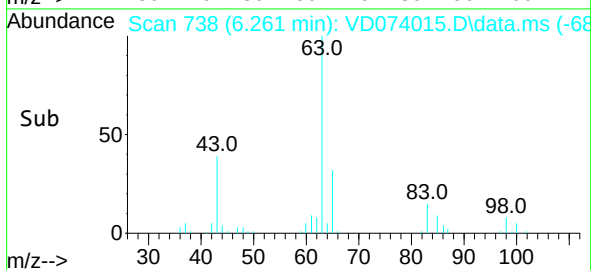
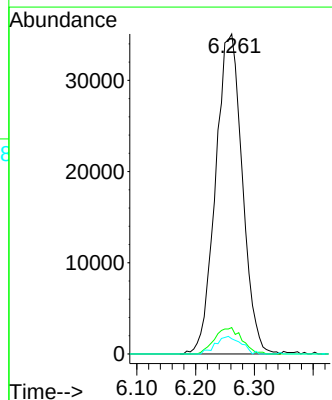
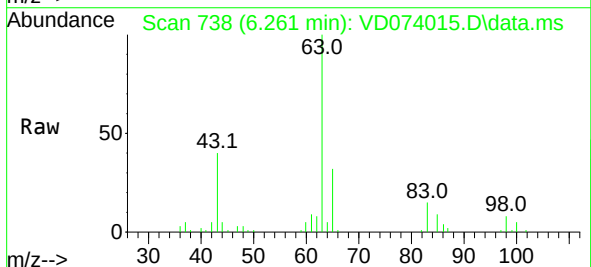
Instrument :  
 MSVOA\_D  
 ClientSampleId :

Tgt Ion: 43 Resp: 473617  
 Ion Ratio Lower Upper  
 43 100  
 86 11.9 9.7 14.5

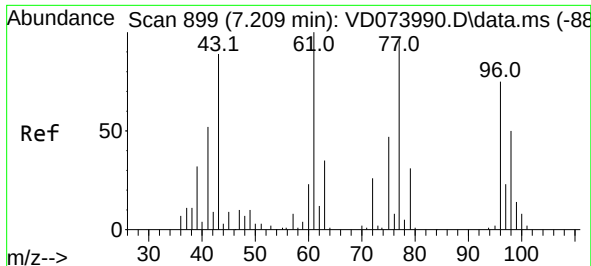


#24  
 1,1-Dichloroethane  
 Concen: 49.329 ug/l  
 RT: 6.261 min Scan# 738  
 Delta R.T. 0.006 min  
 Lab File: VD074015.D  
 Acq: 10 Aug 2022 04:51

Tgt Ion: 63 Resp: 110766  
 Ion Ratio Lower Upper  
 63 100  
 98 8.3 3.5 10.6  
 100 4.7 2.9 8.7







#25

2-Butanone

Concen: 243.258 ug/l

RT: 7.208 min Scan# 899

Delta R.T. -0.000 min

Lab File: VD074015.D

Acq: 10 Aug 2022 04:51

Instrument :

MSVOA\_D

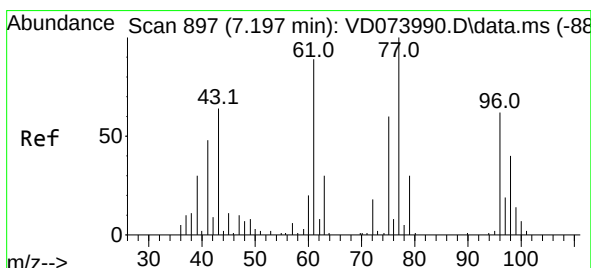
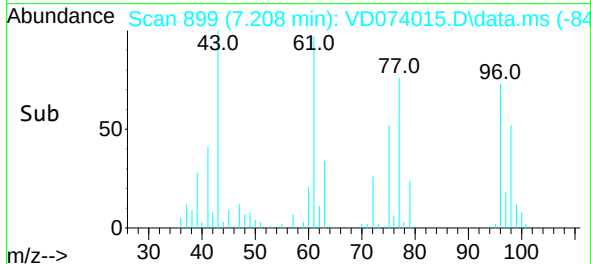
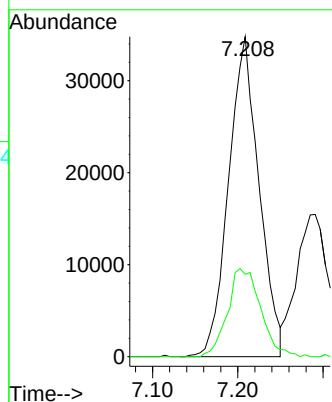
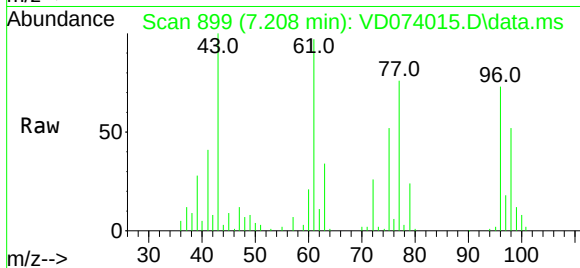
ClientSampleId :

Tgt Ion: 43 Resp: 86215

Ion Ratio Lower Upper

43 100

72 25.8 23.0 34.6



#26

2,2-Dichloropropane

Concen: 36.273 ug/l

RT: 7.203 min Scan# 898

Delta R.T. 0.006 min

Lab File: VD074015.D

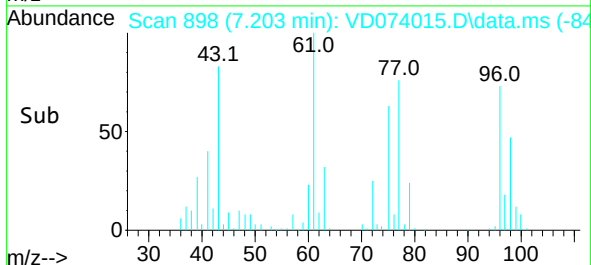
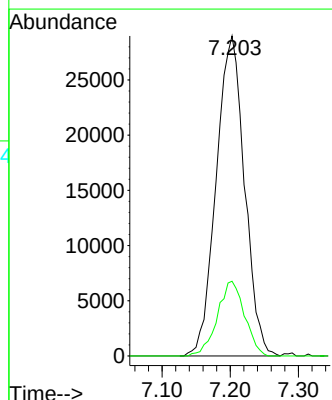
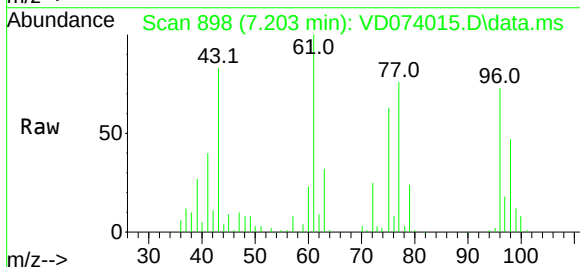
Acq: 10 Aug 2022 04:51

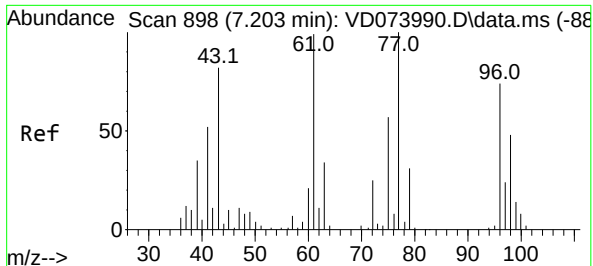
Tgt Ion: 77 Resp: 83896

Ion Ratio Lower Upper

77 100

97 22.4 11.2 33.5

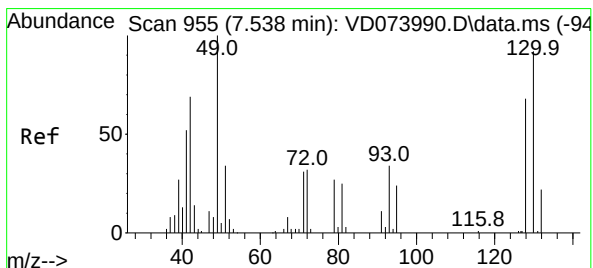
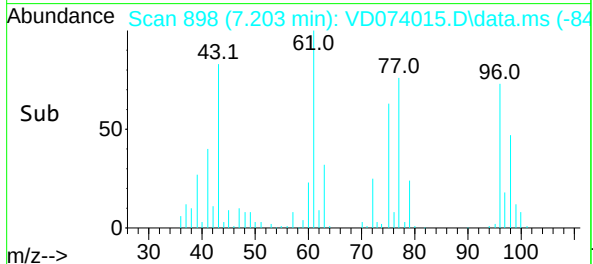
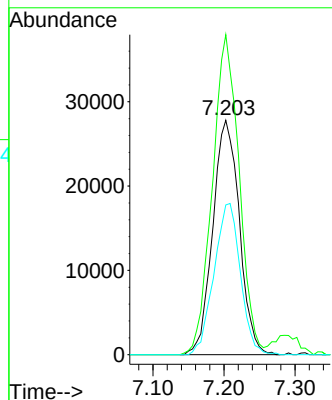
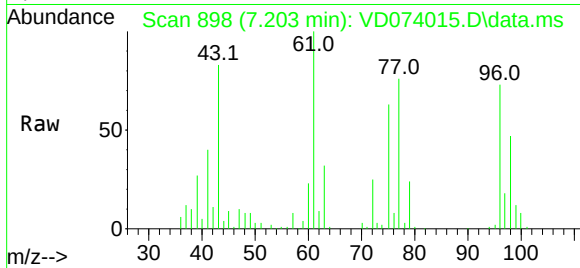




#27  
 cis-1,2-Dichloroethene  
 Concen: 48.985 ug/l  
 RT: 7.203 min Scan# 898  
 Delta R.T. -0.000 min  
 Lab File: VD074015.D  
 Acq: 10 Aug 2022 04:51

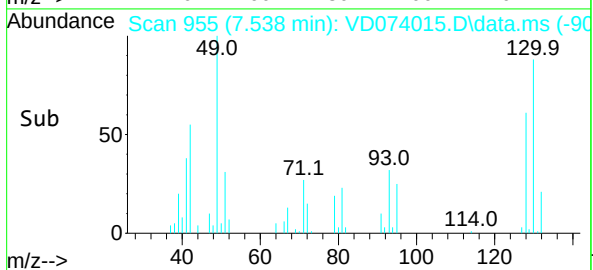
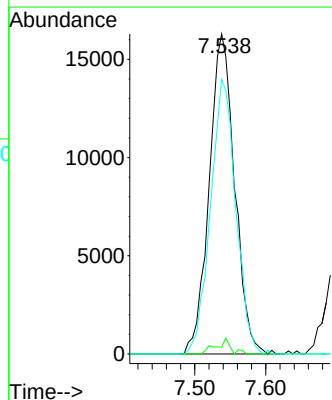
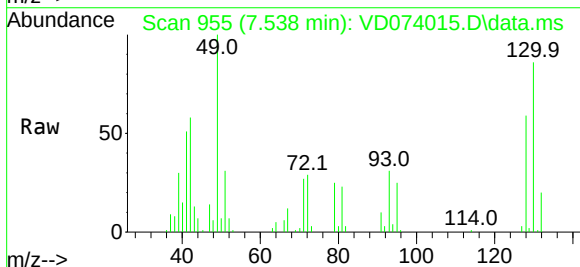
Instrument :  
 MSVOA\_D  
 ClientSampleId :

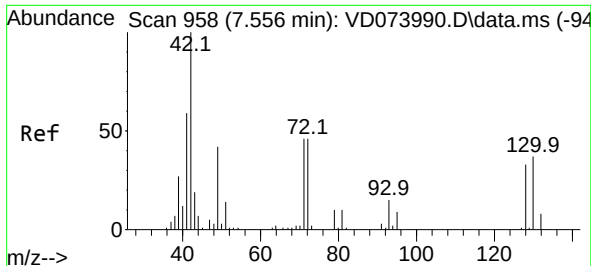
Tgt Ion: 96 Resp: 72246  
 Ion Ratio Lower Upper  
 96 100  
 61 137.2 0.0 280.0  
 98 64.0 0.0 129.4



#28  
 Bromochloromethane  
 Concen: 56.660 ug/l  
 RT: 7.538 min Scan# 955  
 Delta R.T. -0.000 min  
 Lab File: VD074015.D  
 Acq: 10 Aug 2022 04:51

Tgt Ion: 49 Resp: 40505  
 Ion Ratio Lower Upper  
 49 100  
 129 2.8 0.0 2.6#  
 130 85.1 69.6 104.4





#29

Tetrahydrofuran

Concen: 280.552 ug/l

RT: 7.561 min Scan# 91

Delta R.T. 0.006 min

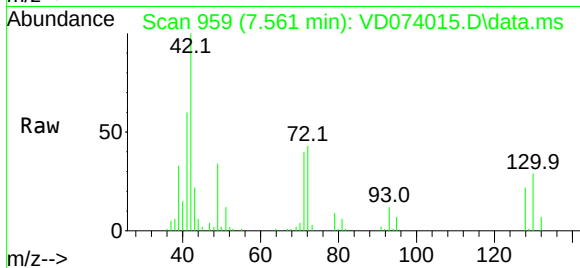
Lab File: VD074015.D

Acq: 10 Aug 2022 04:51

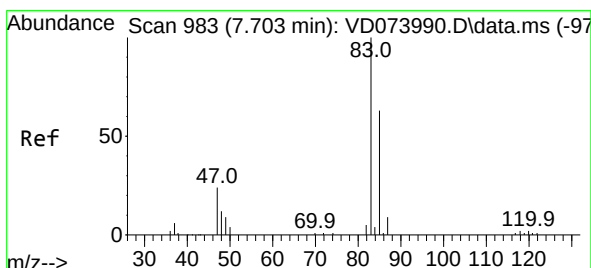
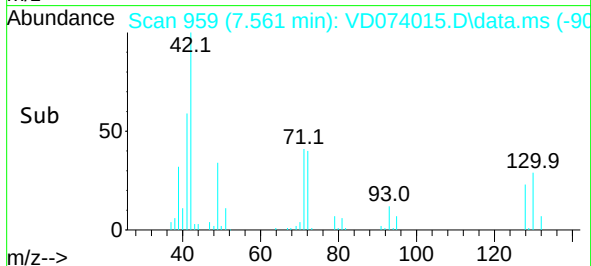
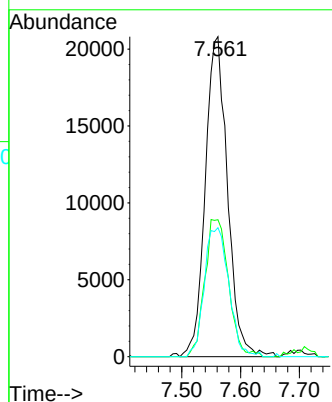
Instrument :

MSVOA\_D

ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 54609 |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 45.5  | 37.4  | 56.2  |
| 71       | 44.4  | 35.5  | 53.3  |



#30

Chloroform

Concen: 52.283 ug/l

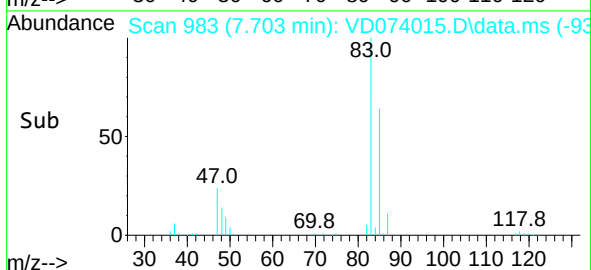
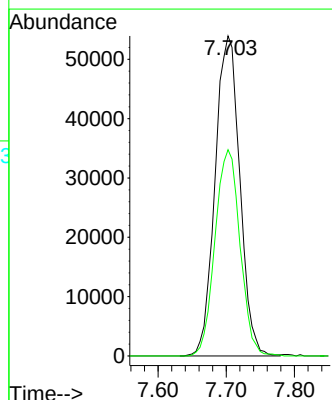
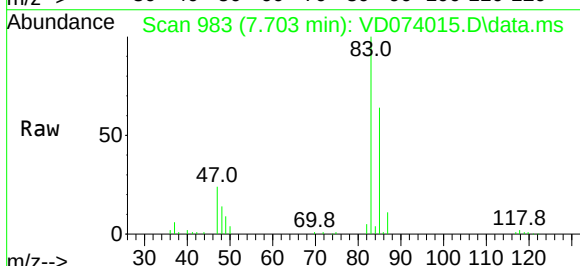
RT: 7.703 min Scan# 983

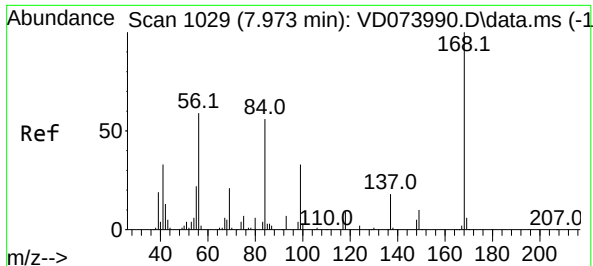
Delta R.T. -0.000 min

Lab File: VD074015.D

Acq: 10 Aug 2022 04:51

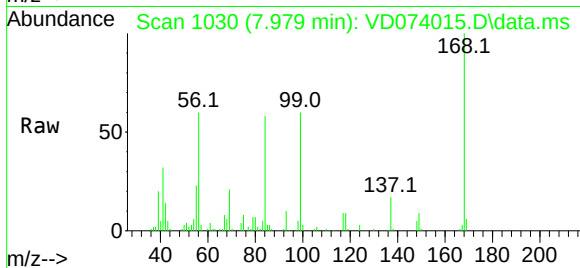
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 83    | Resp: | 136125 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 64.5  | 50.3  | 75.5   |



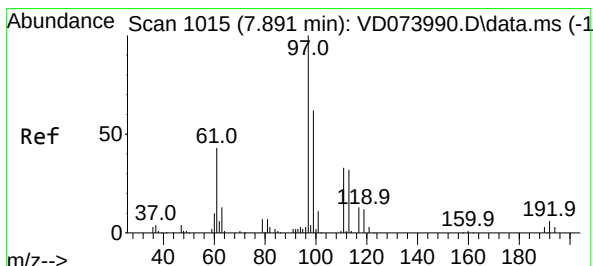
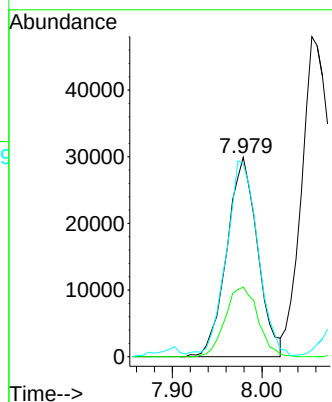
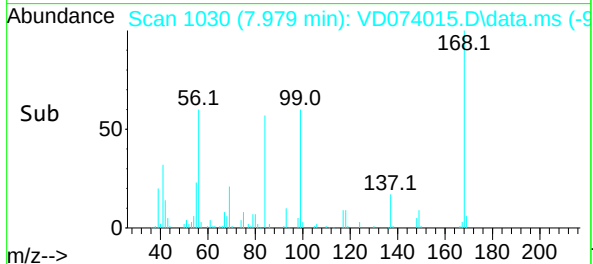


#31  
Cyclohexane  
Concen: 45.679 ug/l  
RT: 7.979 min Scan# 1029  
Delta R.T. 0.006 min  
Lab File: VD074015.D  
Acq: 10 Aug 2022 04:51

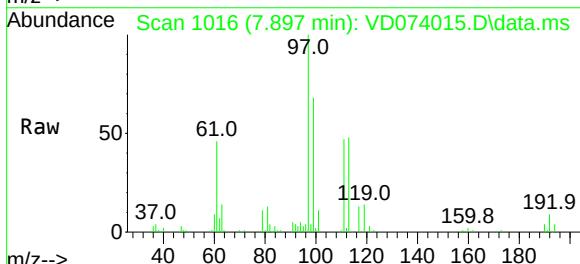
Instrument :  
MSVOA\_D  
ClientSampleId :



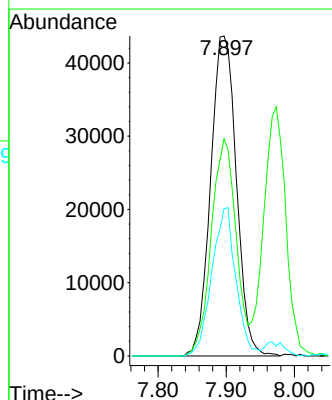
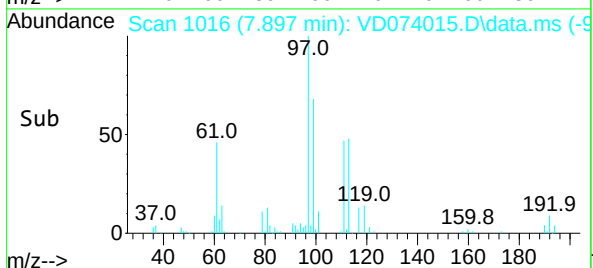
Tgt Ion: 56 Resp: 71151  
Ion Ratio Lower Upper  
56 100  
69 34.9 27.9 41.9  
84 94.7 75.8 113.6

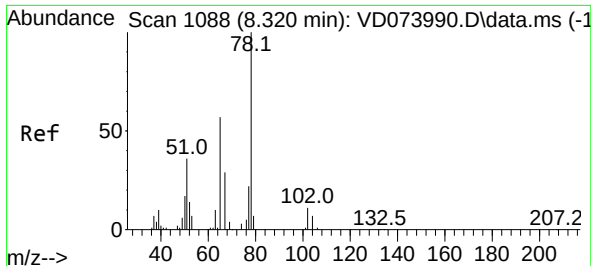


#32  
1,1,1-Trichloroethane  
Concen: 46.507 ug/l  
RT: 7.897 min Scan# 1016  
Delta R.T. 0.006 min  
Lab File: VD074015.D  
Acq: 10 Aug 2022 04:51



Tgt Ion: 97 Resp: 114866  
Ion Ratio Lower Upper  
97 100  
99 64.9 49.8 74.6  
61 43.5 33.5 50.3





#33

1,2-Dichloroethane-d4

Concen: 44.531 ug/l

RT: 8.320 min Scan# 1108

Delta R.T. 0.000 min

Lab File: VD074015.D

Acq: 10 Aug 2022 04:51

Instrument :

MSVOA\_D

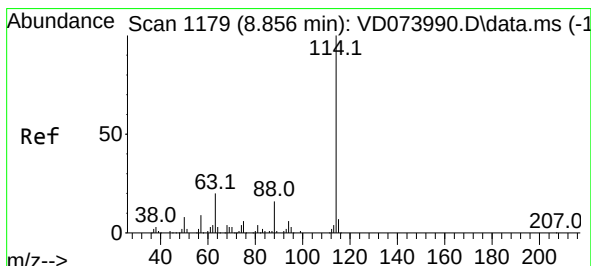
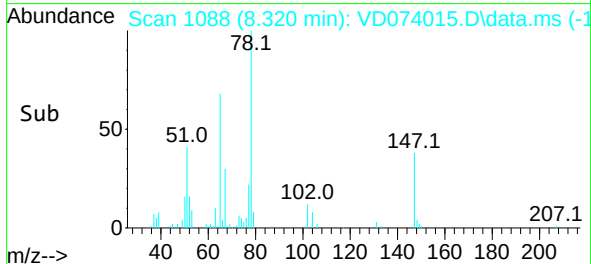
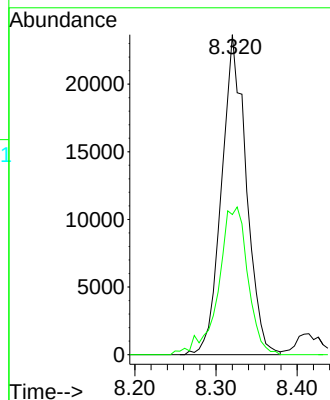
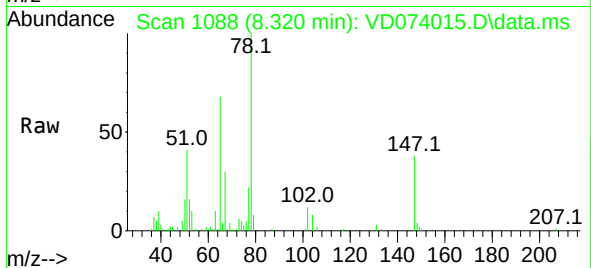
ClientSampleId :

Tgt Ion: 65 Resp: 49918

Ion Ratio Lower Upper

65 100

67 55.0 0.0 113.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. -0.001 min

Lab File: VD074015.D

Acq: 10 Aug 2022 04:51

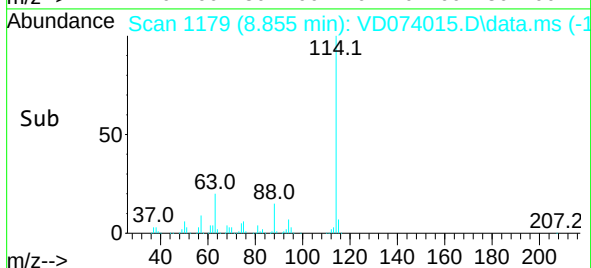
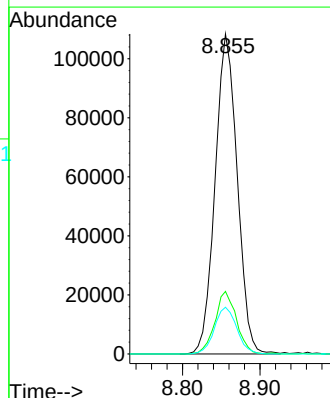
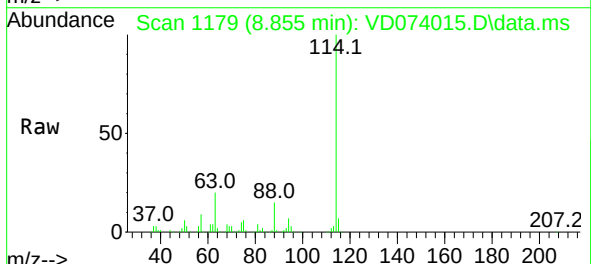
Tgt Ion: 114 Resp: 214938

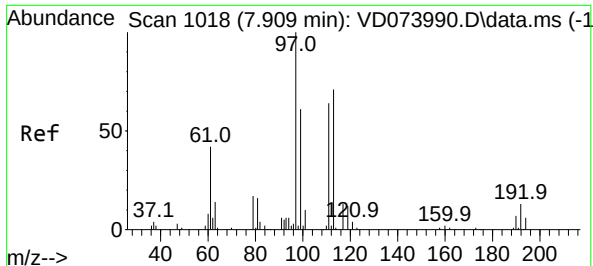
Ion Ratio Lower Upper

114 100

63 19.6 0.0 41.0

88 14.6 0.0 31.6





#35

Dibromofluoromethane

Concen: 47.549 ug/l

RT: 7.903 min Scan# 1017

Delta R.T. -0.006 min

Lab File: VD074015.D

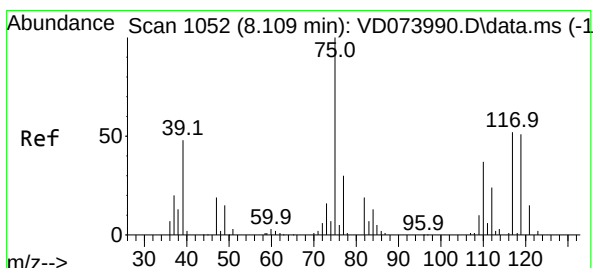
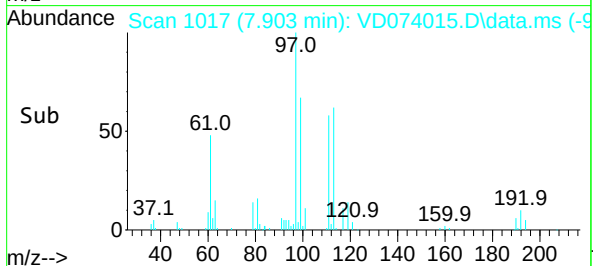
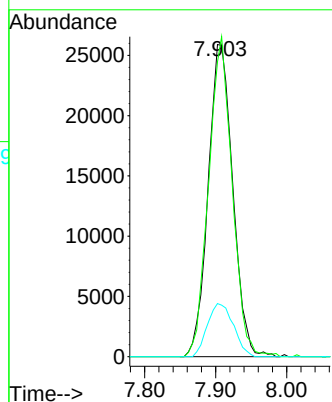
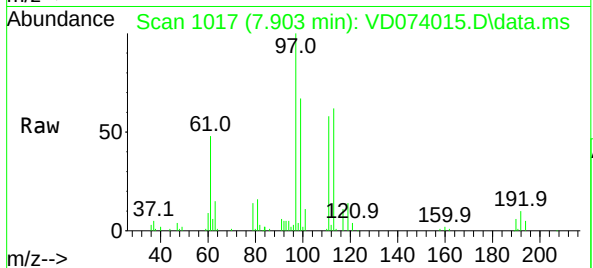
Acq: 10 Aug 2022 04:51

Instrument :

MSVOA\_D

ClientSampleId :

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:113 | Resp: | 62432      |
| Ion Ratio   | Lower | Upper      |
| 113         | 100   |            |
| 111         | 97.9  | 80.0 120.0 |
| 192         | 18.0  | 14.2 21.4  |



#36

1,1-Dichloropropene

Concen: 43.121 ug/l

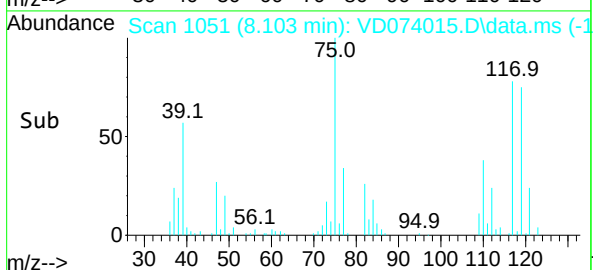
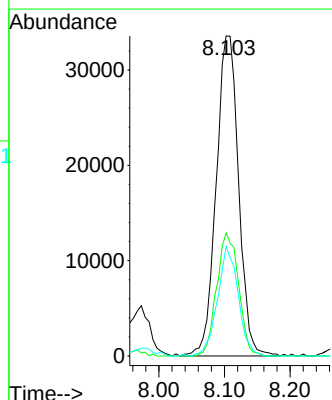
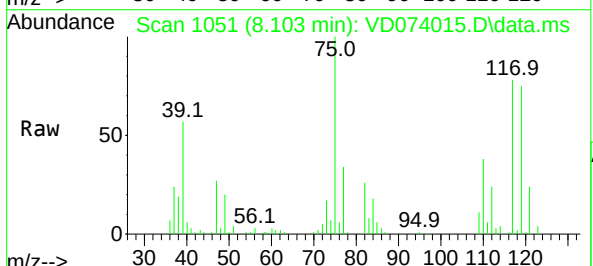
RT: 8.103 min Scan# 1051

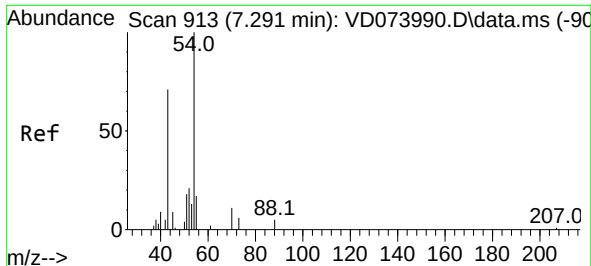
Delta R.T. -0.006 min

Lab File: VD074015.D

Acq: 10 Aug 2022 04:51

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 75 | Resp: | 79692     |
| Ion Ratio   | Lower | Upper     |
| 75          | 100   |           |
| 110         | 37.4  | 18.4 55.4 |
| 77          | 31.5  | 24.6 36.8 |





#37

Ethyl Acetate

Concen: 50.399 ug/l

RT: 7.291 min Scan# 913

Delta R.T. -0.000 min

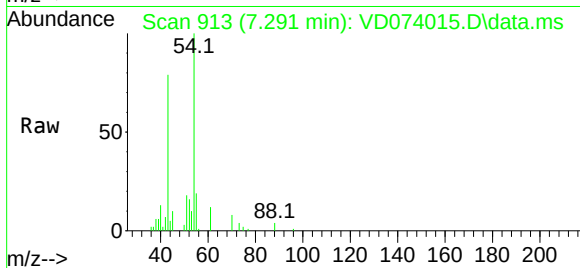
Lab File: VD074015.D

Acq: 10 Aug 2022 04:51

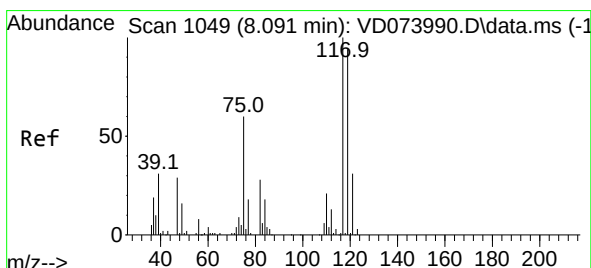
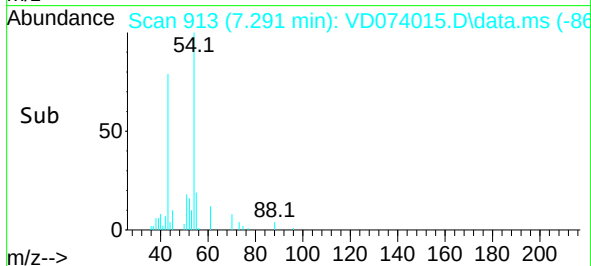
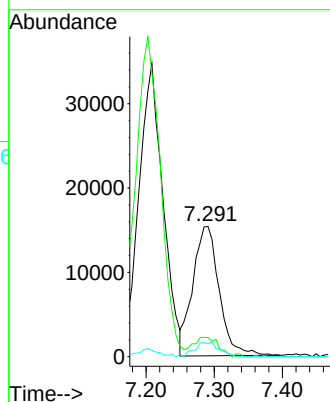
Instrument :

MSVOA\_D

ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 41141 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 14.4  | 11.0  | 16.6  |
| 70       | 10.4  | 10.2  | 15.2  |



#38

Carbon Tetrachloride

Concen: 44.151 ug/l

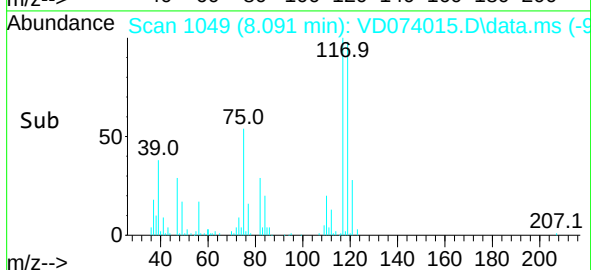
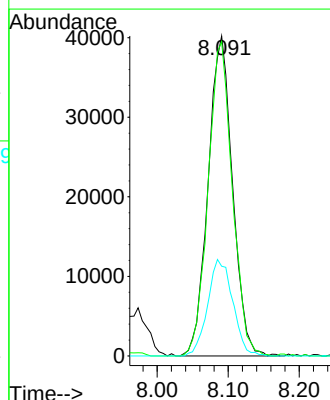
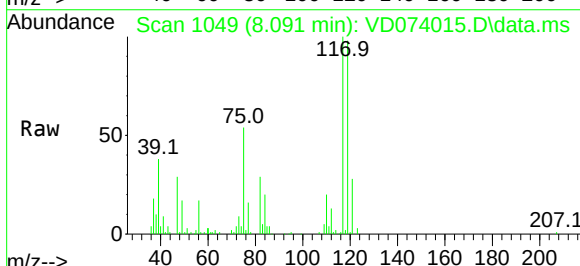
RT: 8.091 min Scan# 1049

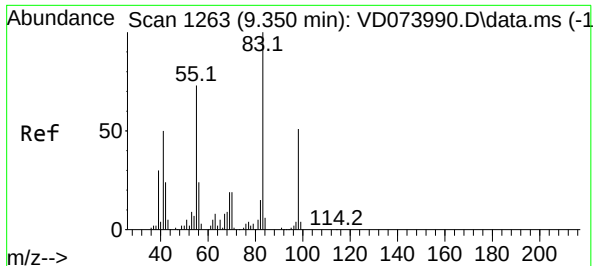
Delta R.T. -0.000 min

Lab File: VD074015.D

Acq: 10 Aug 2022 04:51

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 96062 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 98.2  | 75.4  | 113.2 |
| 121      | 28.0  | 25.2  | 37.8  |





#39

Methylcyclohexane

Concen: 40.825 ug/l

RT: 9.350 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD074015.D

Acq: 10 Aug 2022 04:51

Instrument :

MSVOA\_D

ClientSampleId :

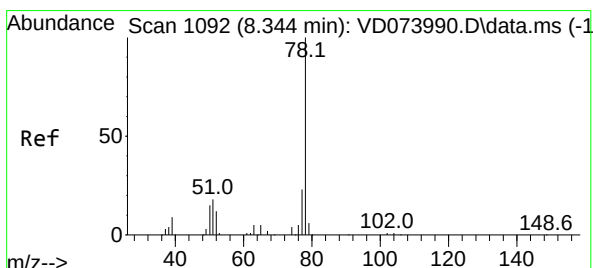
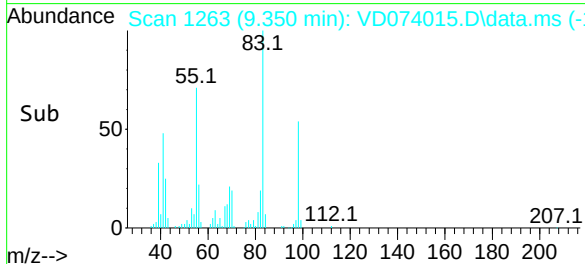
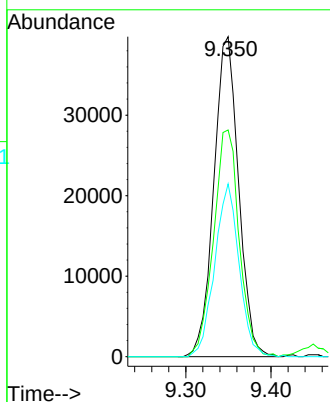
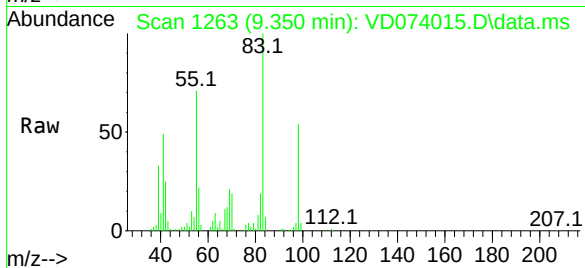
Tgt Ion: 83 Resp: 80403

Ion Ratio Lower Upper

83 100

55 70.9 58.3 87.5

98 54.0 41.0 61.4



#40

Benzene

Concen: 47.701 ug/l

RT: 8.344 min Scan# 1092

Delta R.T. -0.000 min

Lab File: VD074015.D

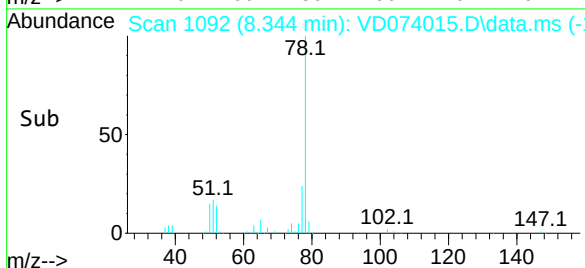
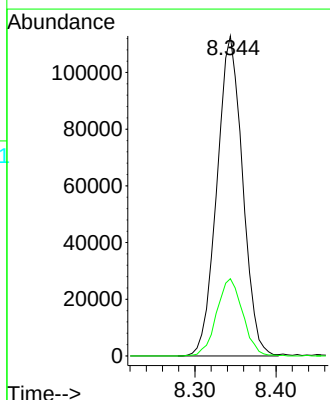
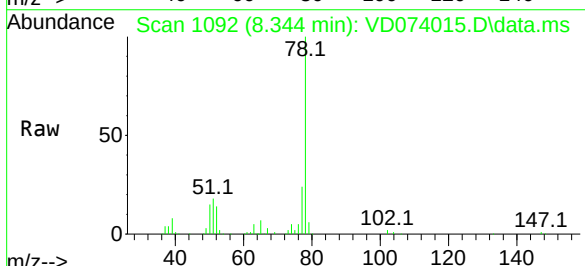
Acq: 10 Aug 2022 04:51

Tgt Ion: 78 Resp: 248071

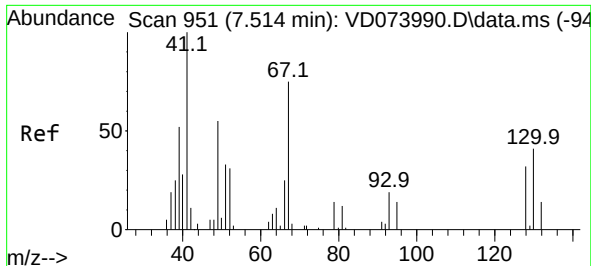
Ion Ratio Lower Upper

78 100

77 24.2 18.7 28.1





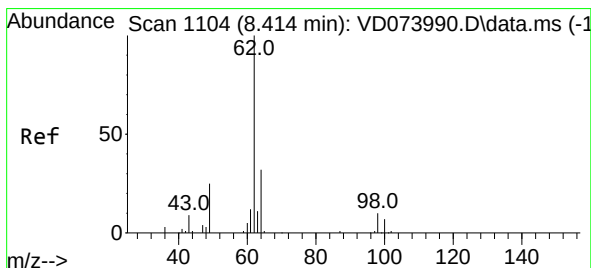
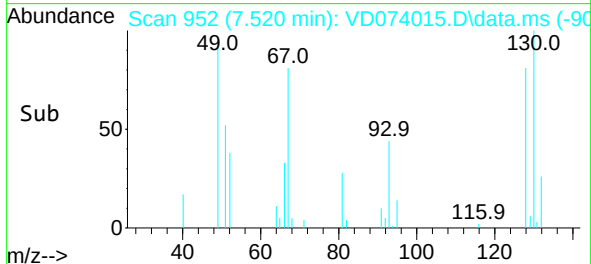
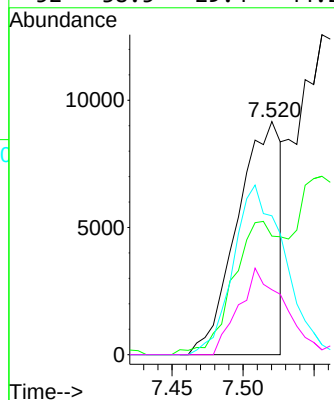
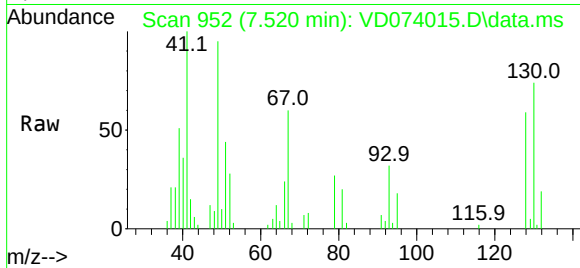


#41  
Methacrylonitrile  
Concen: 47.131 ug/l  
RT: 7.520 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VD074015.D  
Acq: 10 Aug 2022 04:51

Instrument :  
MSVOA\_D  
ClientSampleId :

Tgt Ion: 41 Resp: 19669

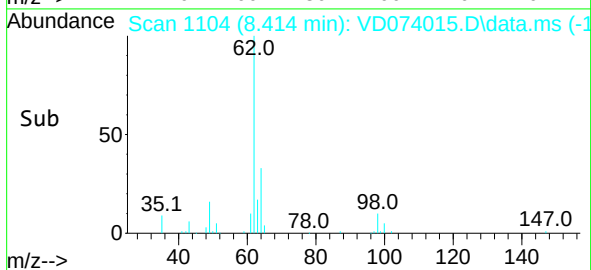
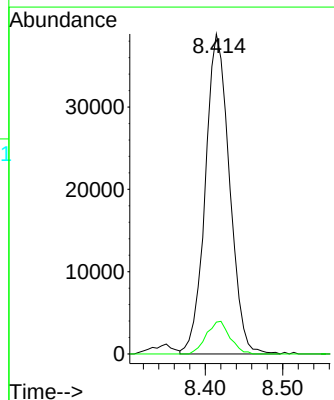
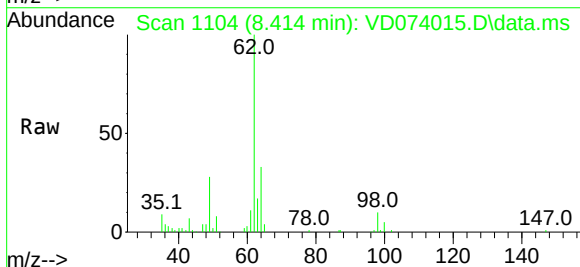
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 39  | 68.1  | 48.2  | 72.4  |
| 67  | 85.4  | 66.3  | 99.5  |
| 52  | 38.5  | 29.4  | 44.2  |

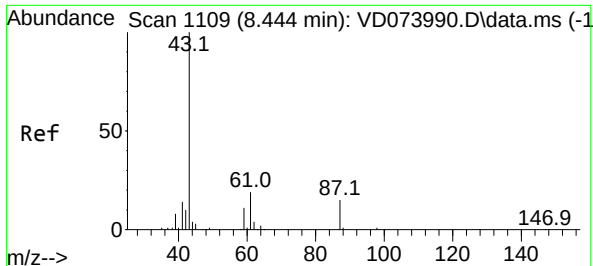


#42  
1,2-Dichloroethane  
Concen: 50.582 ug/l  
RT: 8.414 min Scan# 1104  
Delta R.T. -0.000 min  
Lab File: VD074015.D  
Acq: 10 Aug 2022 04:51

Tgt Ion: 62 Resp: 84367

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

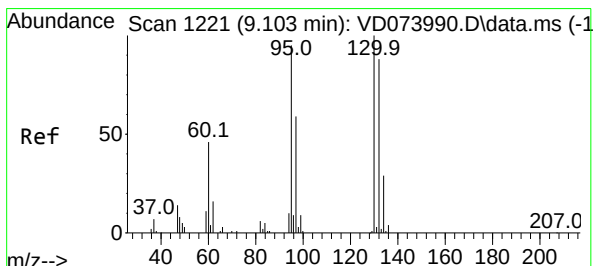
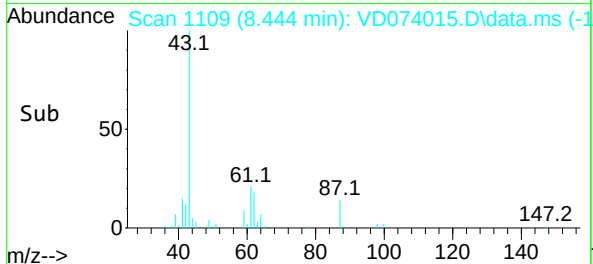
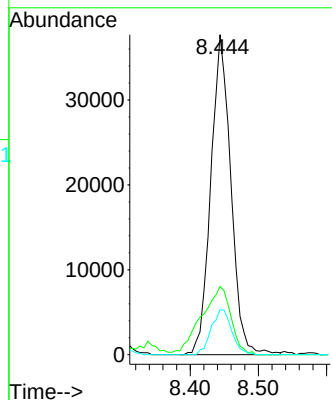
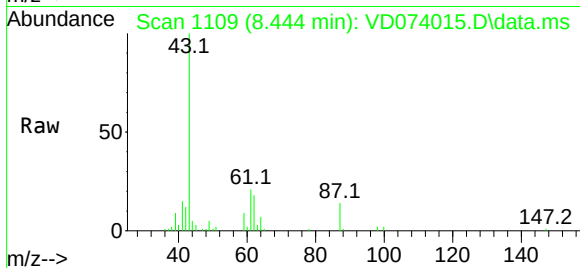




#43  
Isopropyl Acetate  
Concen: 50.806 ug/l  
RT: 8.444 min Scan# 1109  
Delta R.T. -0.000 min  
Lab File: VD074015.D  
Acq: 10 Aug 2022 04:51

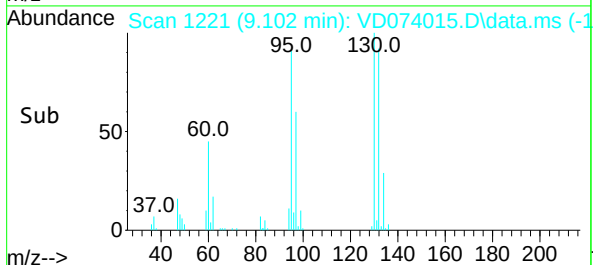
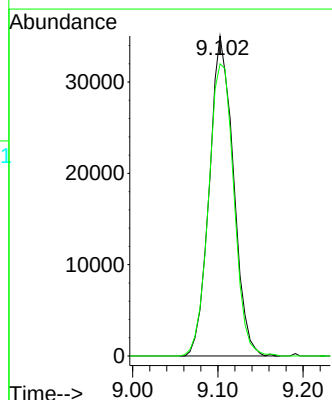
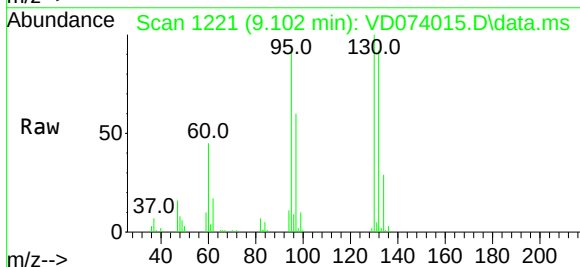
Instrument :  
MSVOA\_D  
ClientSampleId :

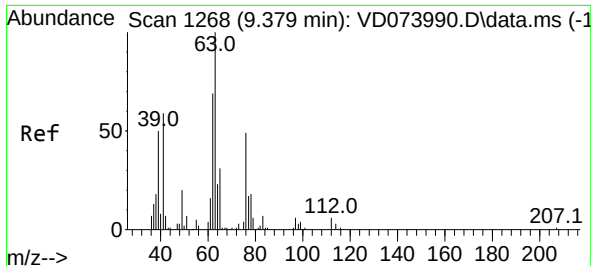
Tgt Ion: 43 Resp: 77191  
Ion Ratio Lower Upper  
43 100  
61 31.3 25.3 37.9  
87 14.4 11.4 17.2



#44  
Trichloroethene  
Concen: 44.977 ug/l  
RT: 9.102 min Scan# 1221  
Delta R.T. -0.000 min  
Lab File: VD074015.D  
Acq: 10 Aug 2022 04:51

Tgt Ion:130 Resp: 68649  
Ion Ratio Lower Upper  
130 100  
95 91.3 0.0 190.6





#45

1,2-Dichloropropane

Concen: 50.193 ug/l

RT: 9.379 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD074015.D

Acq: 10 Aug 2022 04:51

Instrument :

MSVOA\_D

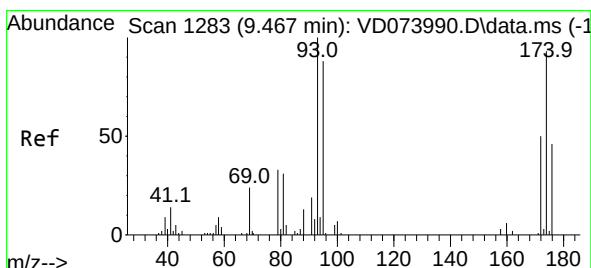
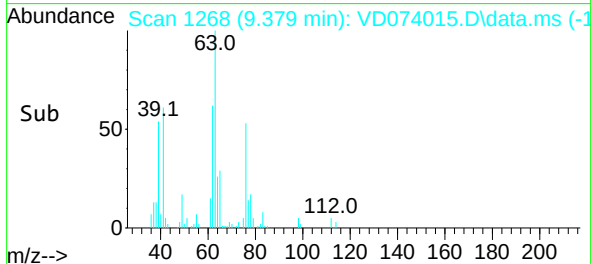
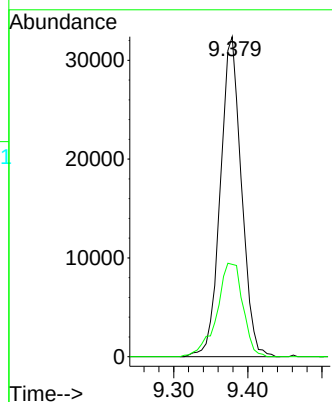
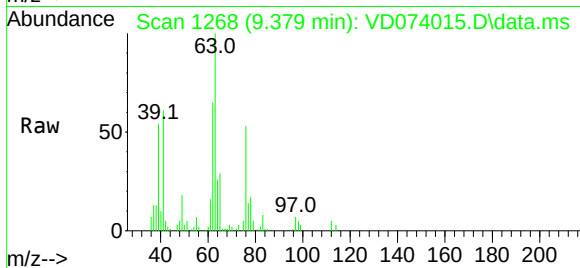
ClientSampleId :

Tgt Ion: 63 Resp: 63947

Ion Ratio Lower Upper

63 100

65 28.8 24.6 36.8



#46

Dibromomethane

Concen: 52.661 ug/l

RT: 9.467 min Scan# 1283

Delta R.T. -0.000 min

Lab File: VD074015.D

Acq: 10 Aug 2022 04:51

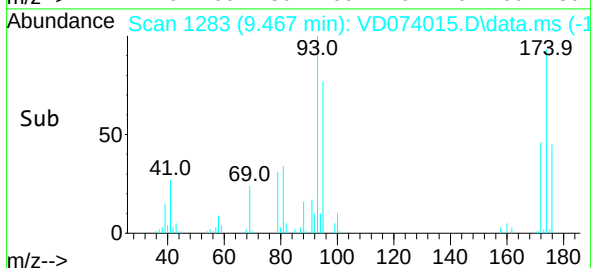
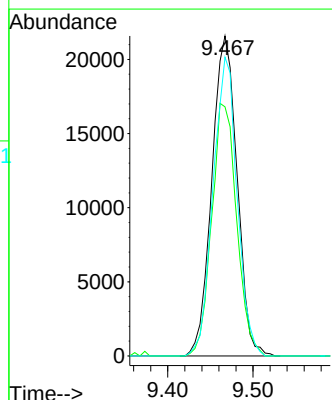
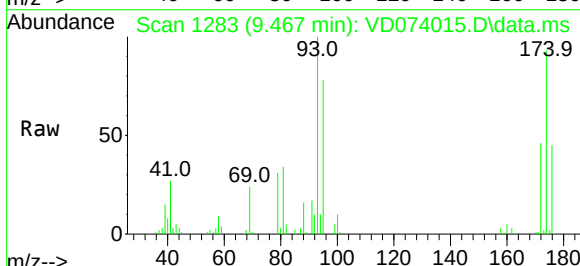
Tgt Ion: 93 Resp: 44388

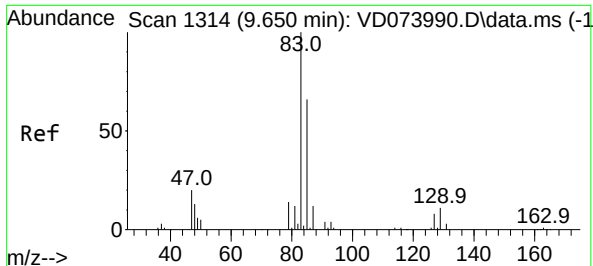
Ion Ratio Lower Upper

93 100

95 78.0 66.4 99.6

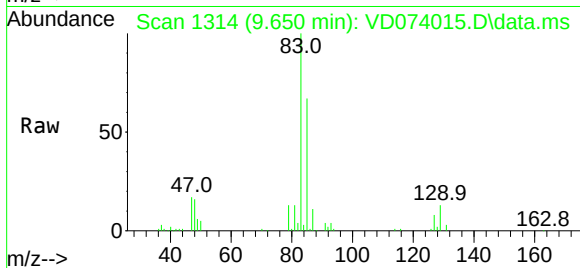
174 89.2 76.2 114.4



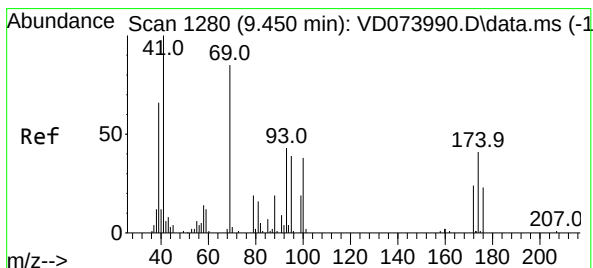
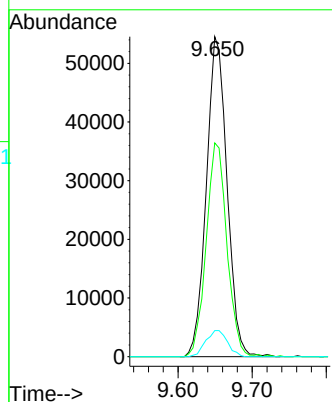
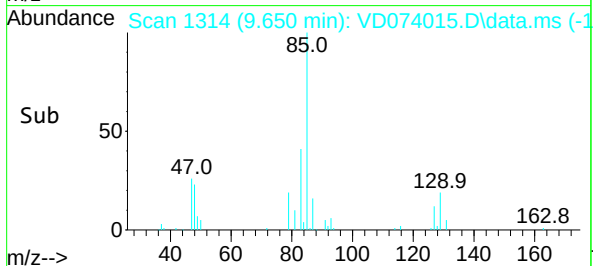


#47  
Bromodichloromethane  
Concen: 50.046 ug/l  
RT: 9.650 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD074015.D  
Acq: 10 Aug 2022 04:51

Instrument :  
MSVOA\_D  
ClientSampleId :

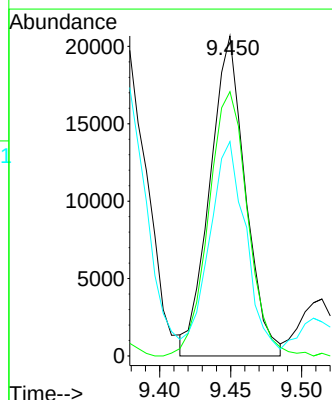
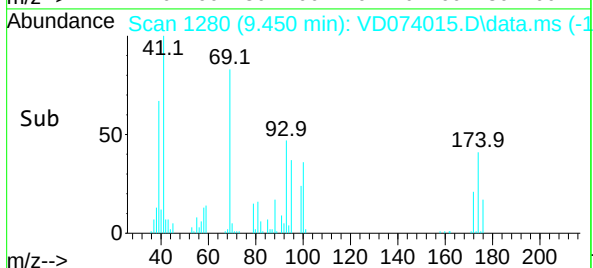
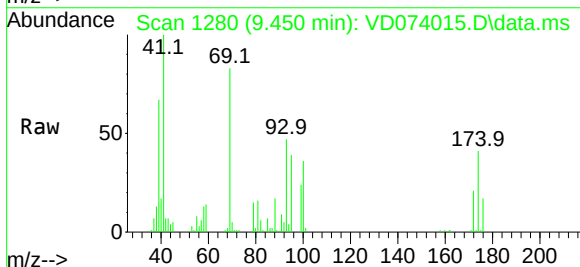


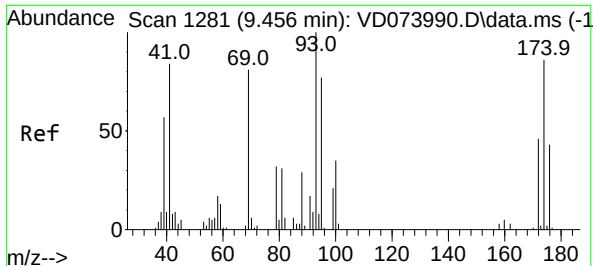
Tgt Ion: 83 Resp: 105873  
Ion Ratio Lower Upper  
83 100  
85 66.8 52.5 78.7  
127 8.1 6.3 9.5



#48  
Methyl methacrylate  
Concen: 52.839 ug/l  
RT: 9.450 min Scan# 1280  
Delta R.T. -0.000 min  
Lab File: VD074015.D  
Acq: 10 Aug 2022 04:51

Tgt Ion: 41 Resp: 35966  
Ion Ratio Lower Upper  
41 100  
69 90.8 77.0 115.4  
39 69.3 59.0 88.6





#49

1,4-Dioxane

Concen: 1020.856 ug/l

RT: 9.455 min Scan# 1281

Delta R.T. -0.000 min

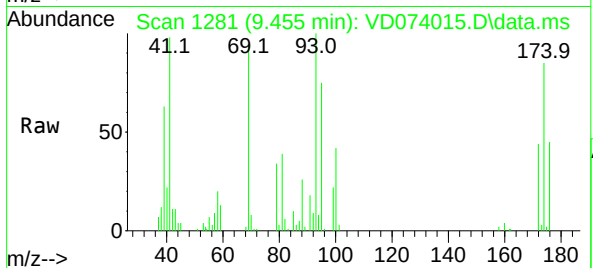
Lab File: VD074015.D

Acq: 10 Aug 2022 04:51

Instrument :

MSVOA\_D

ClientSampleId :



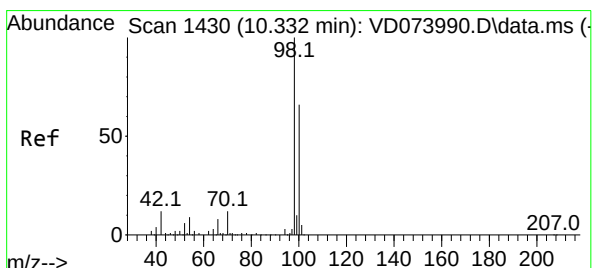
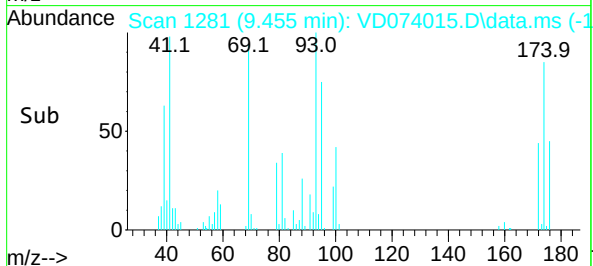
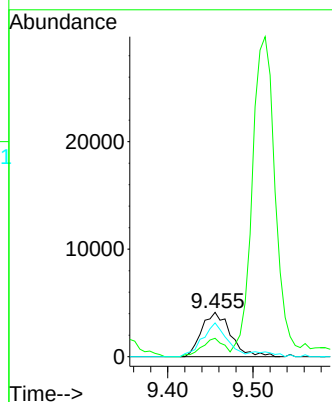
Tgt Ion: 88 Resp: 9739

Ion Ratio Lower Upper

88 100

43 31.7 29.2 43.8

58 64.1 53.8 80.6



#50

Toluene-d8

Concen: 39.627 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VD074015.D

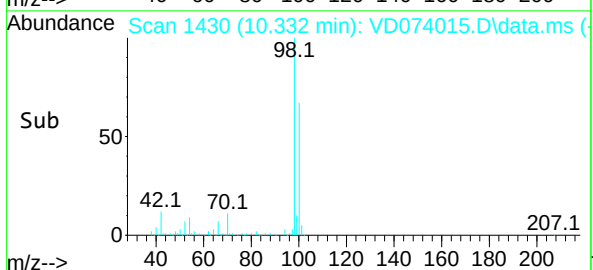
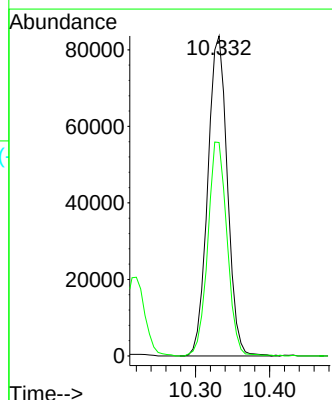
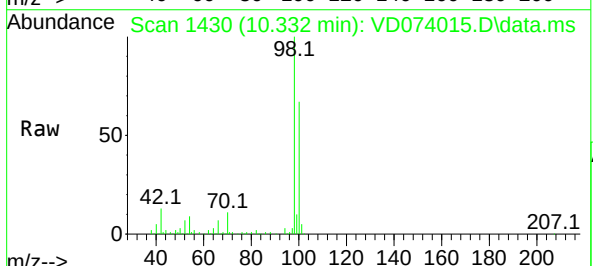
Acq: 10 Aug 2022 04:51

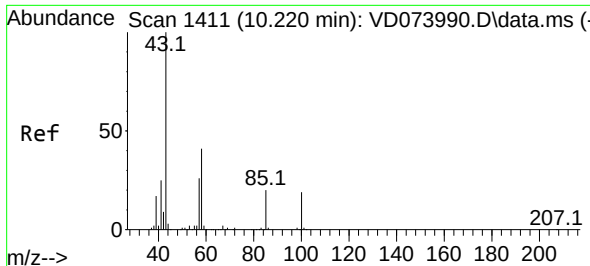
Tgt Ion: 98 Resp: 153697

Ion Ratio Lower Upper

98 100

100 65.8 51.3 76.9

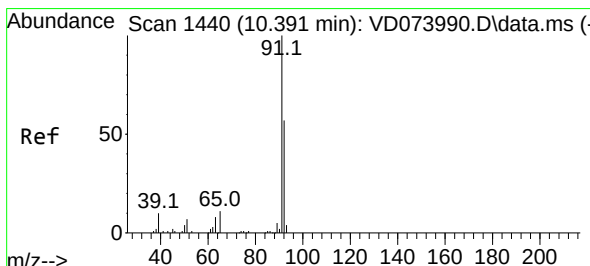
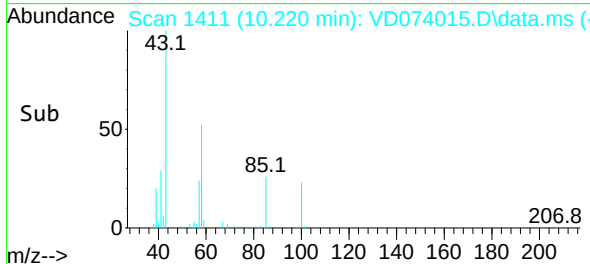
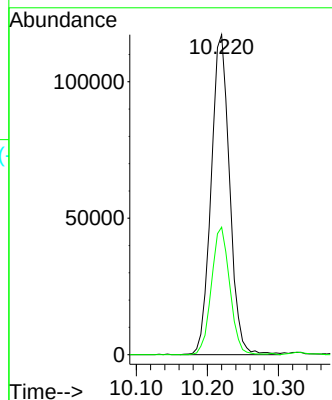
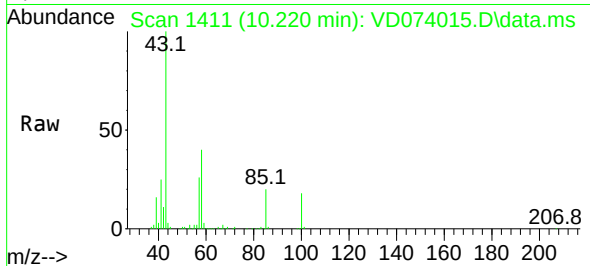




#51  
4-Methyl-2-Pentanone  
Concen: 269.999 ug/l  
RT: 10.220 min Scan# 1411  
Delta R.T. -0.000 min  
Lab File: VD074015.D  
Acq: 10 Aug 2022 04:51

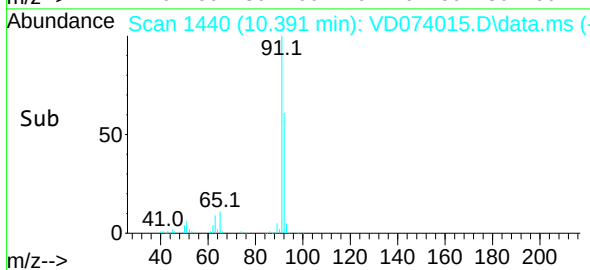
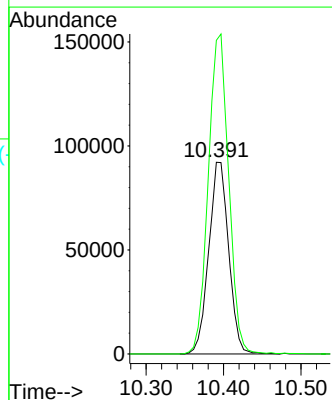
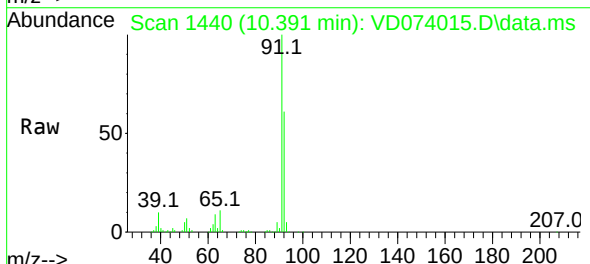
Instrument :  
MSVOA\_D  
ClientSampleId :

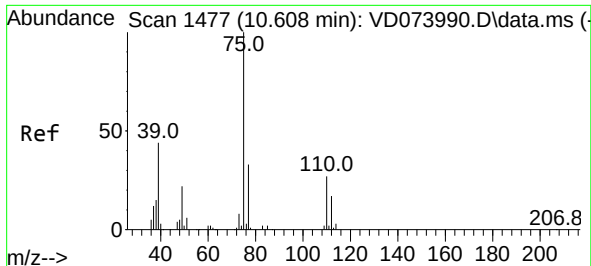
Tgt Ion: 43 Resp: 211749  
Ion Ratio Lower Upper  
43 100  
58 39.5 31.7 47.5



#52  
Toluene  
Concen: 48.017 ug/l  
RT: 10.391 min Scan# 1440  
Delta R.T. -0.000 min  
Lab File: VD074015.D  
Acq: 10 Aug 2022 04:51

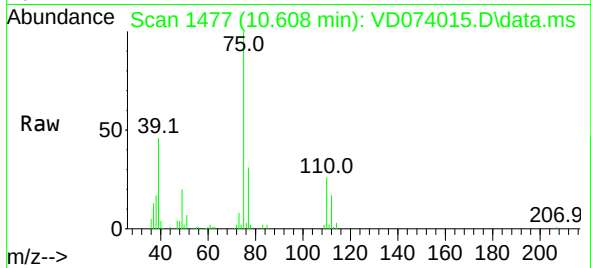
Tgt Ion: 92 Resp: 164731  
Ion Ratio Lower Upper  
92 100  
91 170.9 138.0 207.0



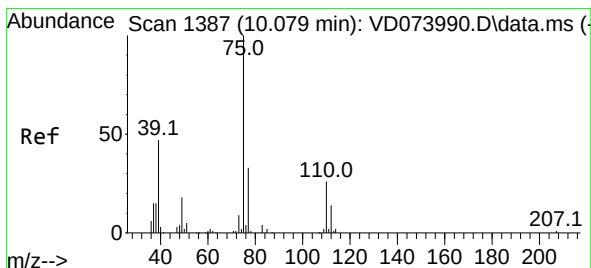
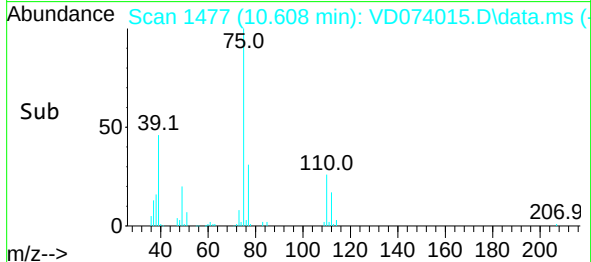
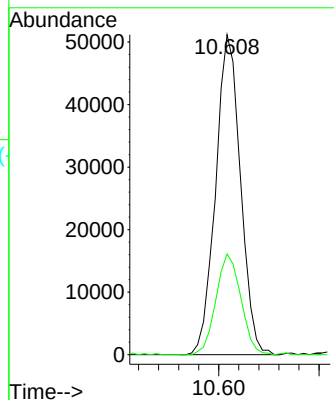


#53  
 t-1,3-Dichloropropene  
 Concen: 47.536 ug/l  
 RT: 10.608 min Scan# 1477  
 Delta R.T. -0.000 min  
 Lab File: VD074015.D  
 Acq: 10 Aug 2022 04:51

Instrument :  
 MSVOA\_D  
 ClientSampleId :

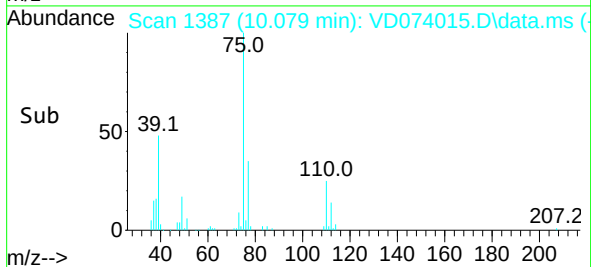
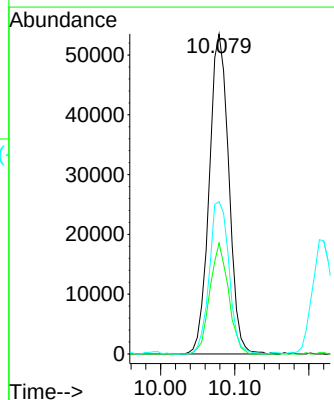
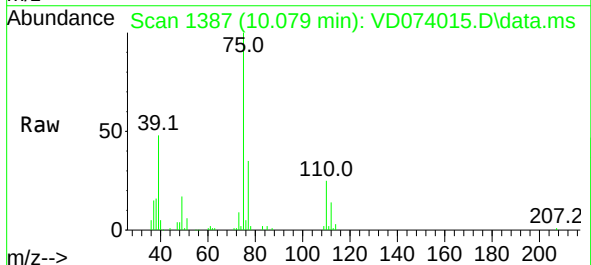


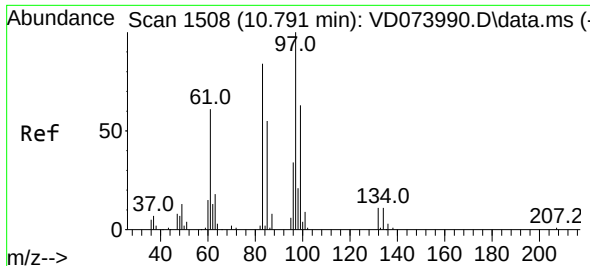
Tgt Ion: 75 Resp: 87707  
 Ion Ratio Lower Upper  
 75 100  
 77 31.5 26.4 39.6



#54  
 cis-1,3-Dichloropropene  
 Concen: 46.613 ug/l  
 RT: 10.079 min Scan# 1387  
 Delta R.T. -0.000 min  
 Lab File: VD074015.D  
 Acq: 10 Aug 2022 04:51

Tgt Ion: 75 Resp: 98147  
 Ion Ratio Lower Upper  
 75 100  
 77 34.7 26.2 39.4  
 39 47.6 37.8 56.8

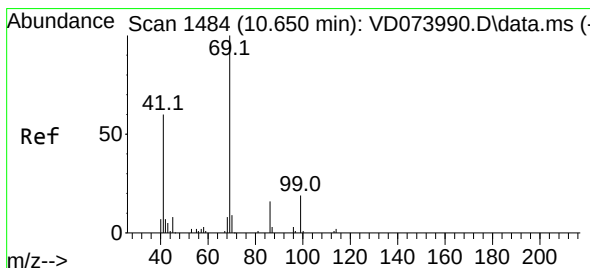
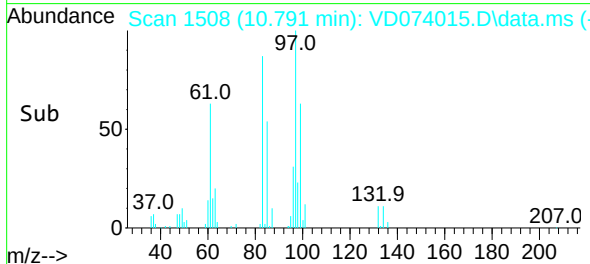
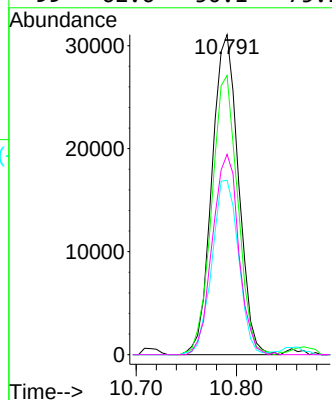
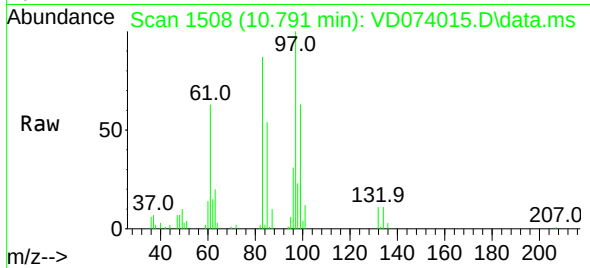




#55  
1,1,2-Trichloroethane  
Concen: 51.540 ug/l  
RT: 10.791 min Scan# 1508  
Delta R.T. -0.000 min  
Lab File: VD074015.D  
Acq: 10 Aug 2022 04:51

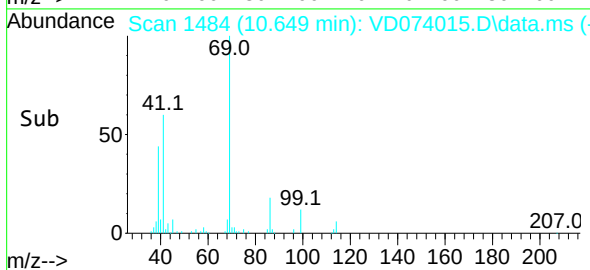
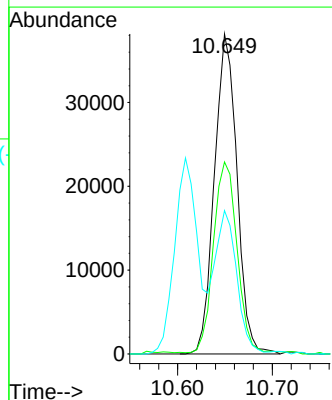
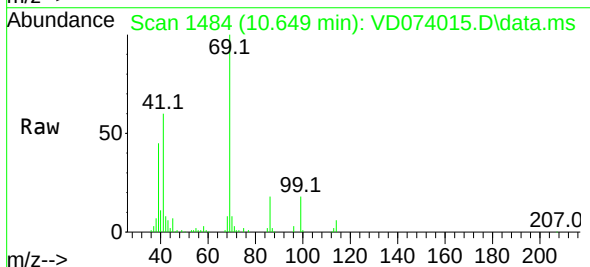
Instrument :  
MSVOA\_D  
ClientSampleId :

|             |             |
|-------------|-------------|
| Tgt Ion: 97 | Resp: 57073 |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 83 87.3     | 67.4 101.0  |
| 85 54.5     | 44.2 66.4   |
| 99 62.6     | 50.1 75.1   |

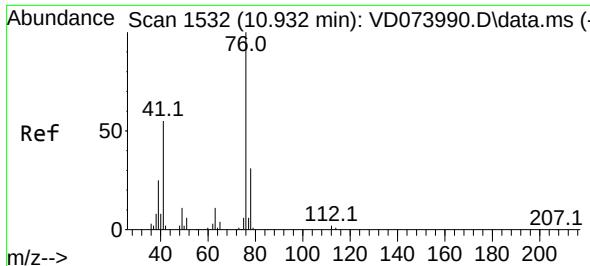


#56  
Ethyl methacrylate  
Concen: 52.683 ug/l  
RT: 10.649 min Scan# 1484  
Delta R.T. -0.000 min  
Lab File: VD074015.D  
Acq: 10 Aug 2022 04:51

|             |             |
|-------------|-------------|
| Tgt Ion: 69 | Resp: 63334 |
| Ion Ratio   | Lower Upper |
| 69 100      |             |
| 41 63.9     | 49.5 74.3   |
| 39 41.8     | 30.6 46.0   |







#57

1,3-Dichloropropane

Concen: 51.953 ug/l

RT: 10.938 min Scan# 1533

Delta R.T. 0.006 min

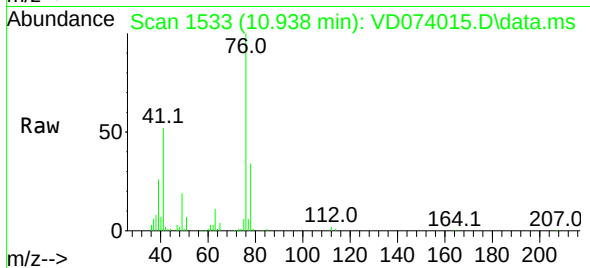
Lab File: VD074015.D

Acq: 10 Aug 2022 04:51

Instrument :

MSVOA\_D

ClientSampleId :

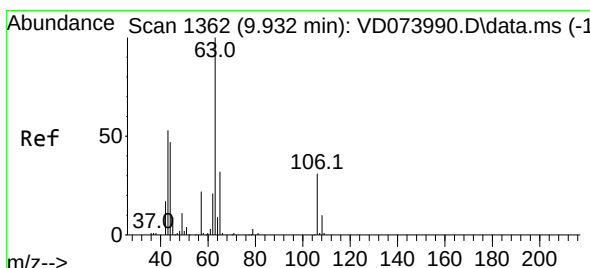
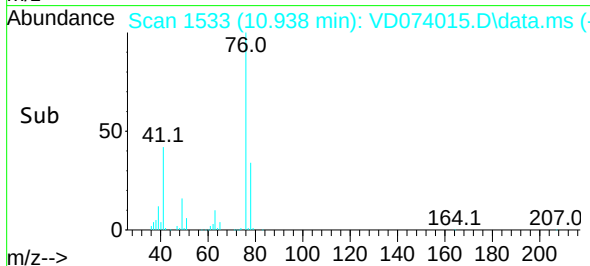
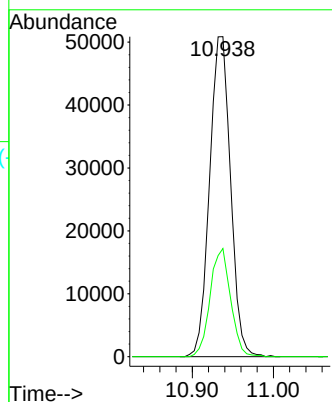


Tgt Ion: 76 Resp: 91222

Ion Ratio Lower Upper

76 100

78 33.0 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 291.170 ug/l

RT: 9.932 min Scan# 1362

Delta R.T. -0.000 min

Lab File: VD074015.D

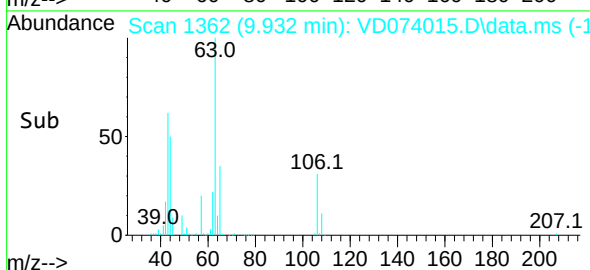
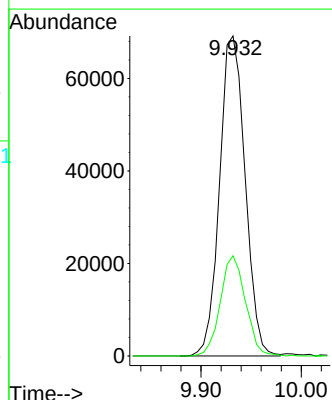
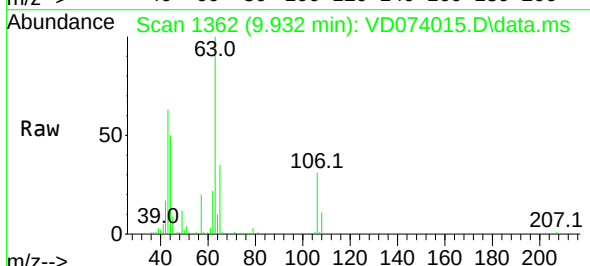
Acq: 10 Aug 2022 04:51

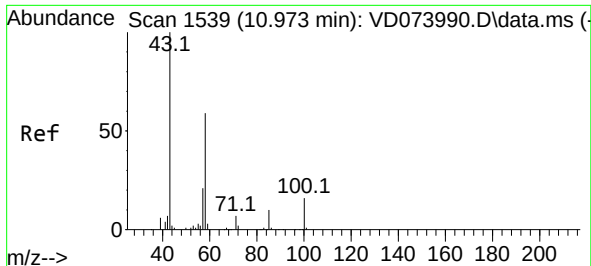
Tgt Ion: 63 Resp: 122152

Ion Ratio Lower Upper

63 100

106 30.8 25.0 37.6

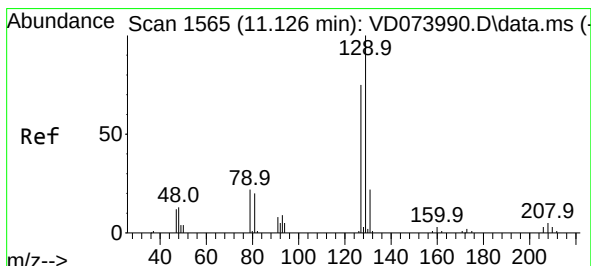
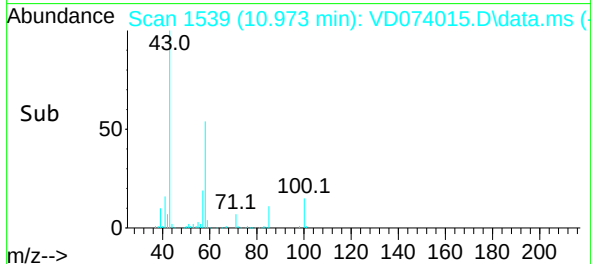
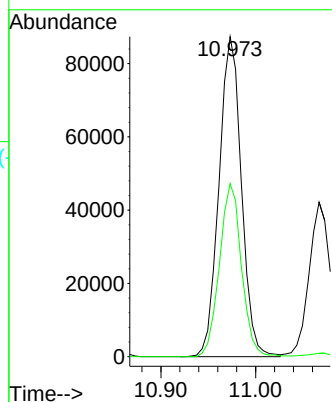
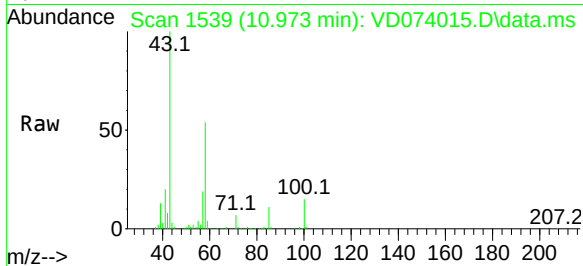




#59  
2-Hexanone  
Concen: 270.223 ug/l  
RT: 10.973 min Scan# 1539  
Delta R.T. -0.000 min  
Lab File: VD074015.D  
Acq: 10 Aug 2022 04:51

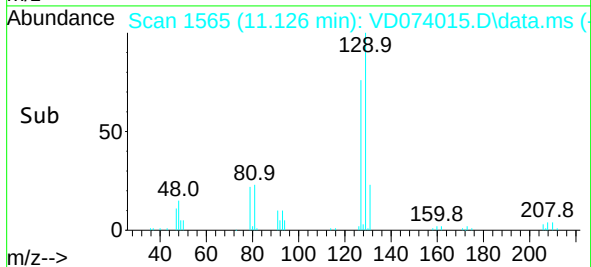
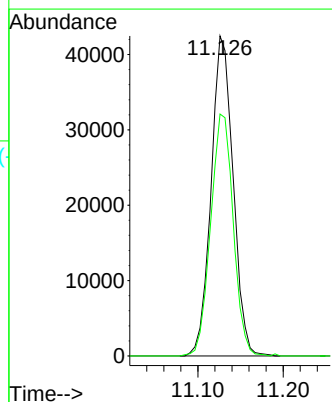
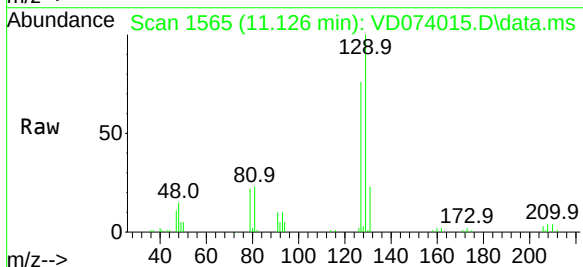
Instrument :  
MSVOA\_D  
ClientSampleId :

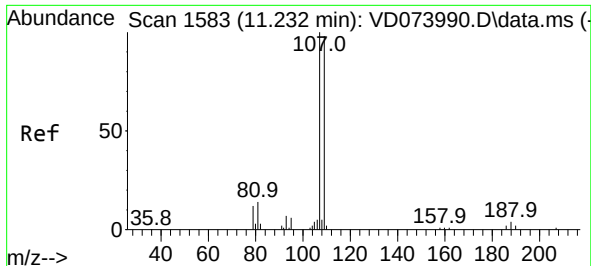
Tgt Ion: 43 Resp: 143669  
Ion Ratio Lower Upper  
43 100  
58 53.1 28.2 84.6



#60  
Dibromochloromethane  
Concen: 51.564 ug/l  
RT: 11.126 min Scan# 1565  
Delta R.T. -0.000 min  
Lab File: VD074015.D  
Acq: 10 Aug 2022 04:51

Tgt Ion: 129 Resp: 76005  
Ion Ratio Lower Upper  
129 100  
127 77.7 38.6 116.0

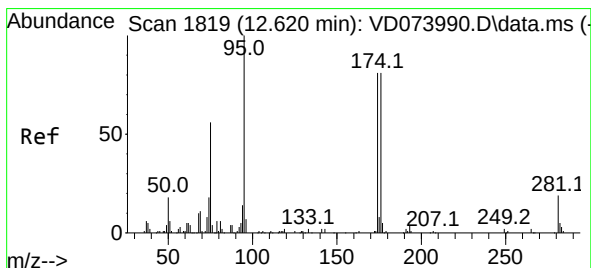
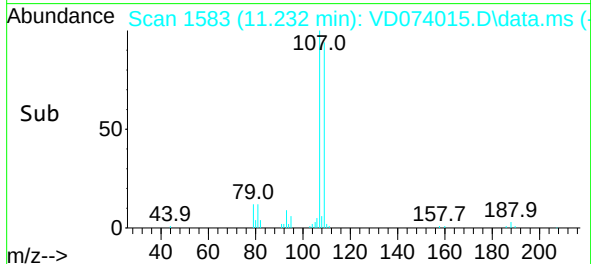
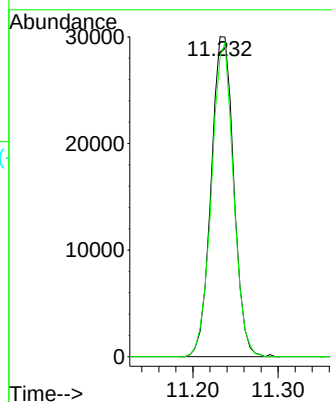
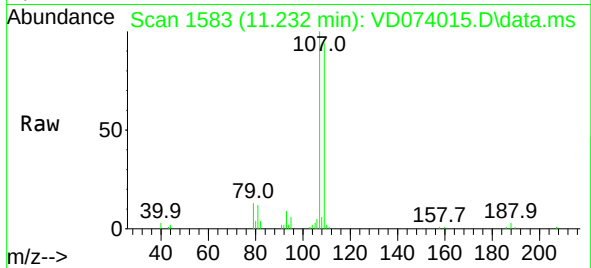




#61  
1,2-Dibromoethane  
Concen: 51.170 ug/l  
RT: 11.232 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD074015.D  
Acq: 10 Aug 2022 04:51

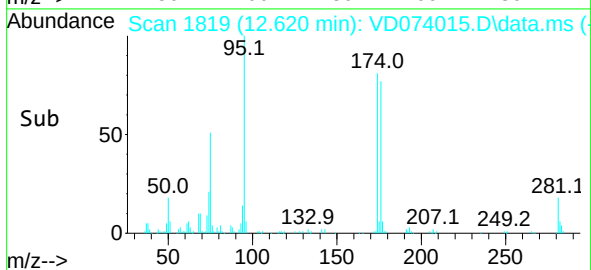
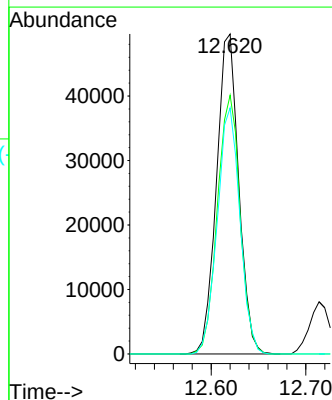
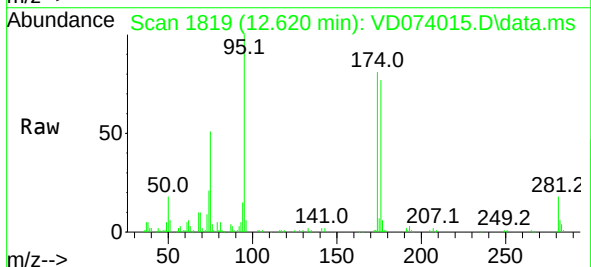
Instrument :  
MSVOA\_D  
ClientSampleId :

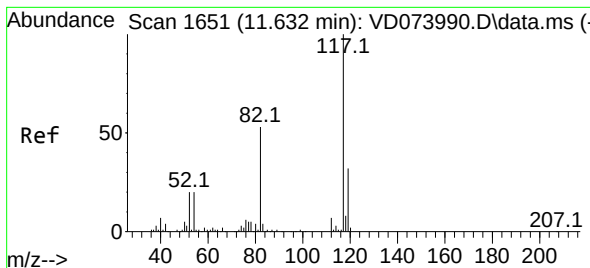
Tgt Ion:107 Resp: 55229  
Ion Ratio Lower Upper  
107 100  
109 95.4 76.6 115.0



#62  
4-Bromofluorobenzene  
Concen: 48.564 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. -0.000 min  
Lab File: VD074015.D  
Acq: 10 Aug 2022 04:51

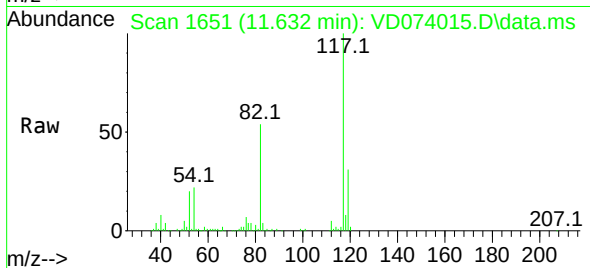
Tgt Ion: 95 Resp: 80953  
Ion Ratio Lower Upper  
95 100  
174 82.4 0.0 162.6  
176 78.2 0.0 160.0



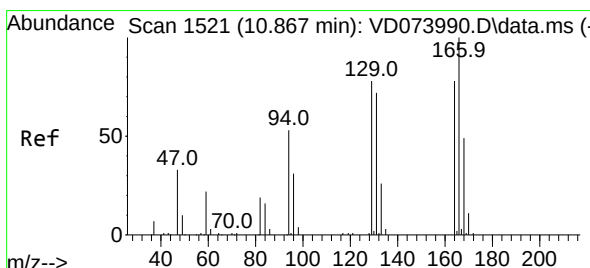
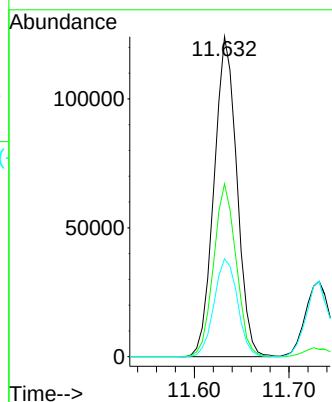
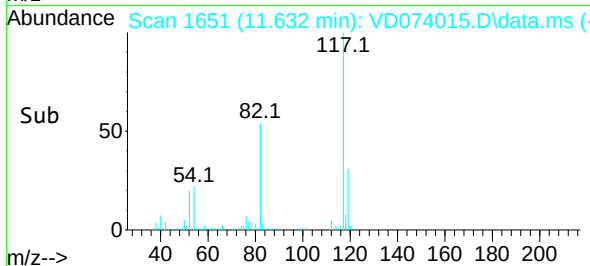


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.632 min Scan# 1651  
Delta R.T. -0.000 min  
Lab File: VD074015.D  
Acq: 10 Aug 2022 04:51

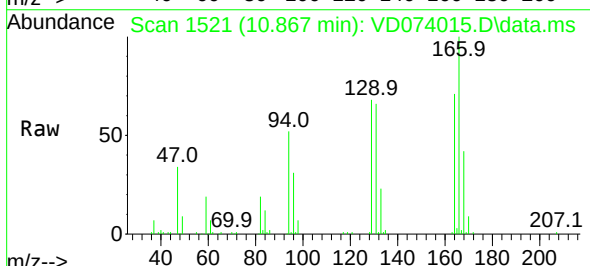
Instrument :  
MSVOA\_D  
ClientSampleId :



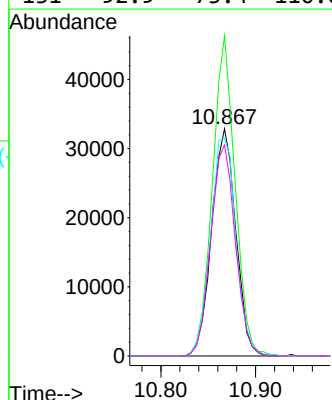
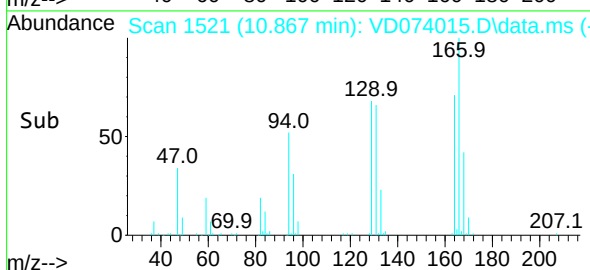
Tgt Ion:117 Resp: 208529  
Ion Ratio Lower Upper  
117 100  
82 54.0 42.7 64.1  
119 30.6 25.8 38.8

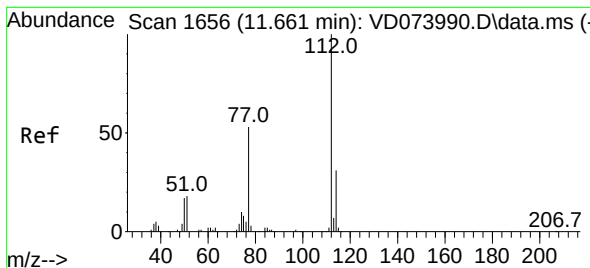


#64  
Tetrachloroethene  
Concen: 44.013 ug/l  
RT: 10.867 min Scan# 1521  
Delta R.T. -0.000 min  
Lab File: VD074015.D  
Acq: 10 Aug 2022 04:51



Tgt Ion:164 Resp: 58383  
Ion Ratio Lower Upper  
164 100  
166 140.8 102.1 153.1  
129 95.8 80.0 120.0  
131 92.9 73.4 110.0

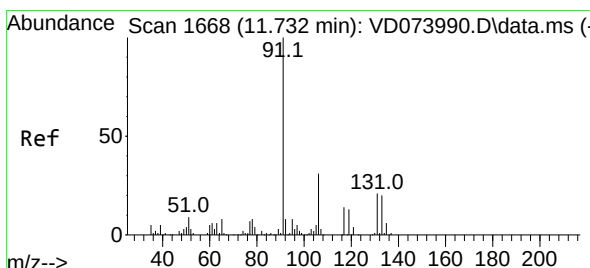
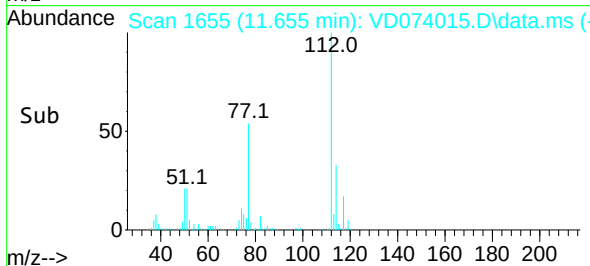
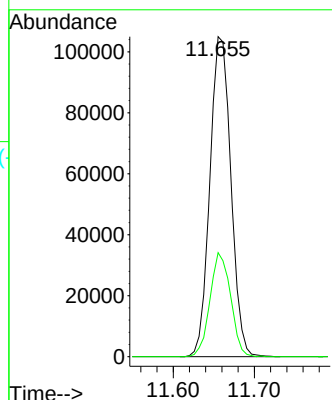
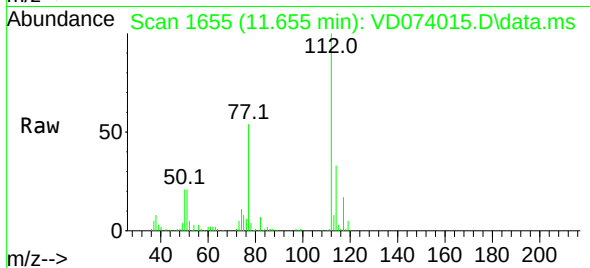




#65  
Chlorobenzene  
Concen: 47.378 ug/l  
RT: 11.655 min Scan# 1655  
Delta R.T. -0.006 min  
Lab File: VD074015.D  
Acq: 10 Aug 2022 04:51

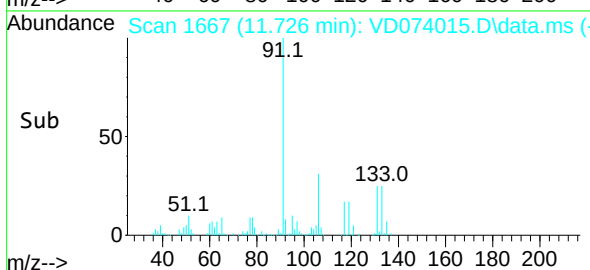
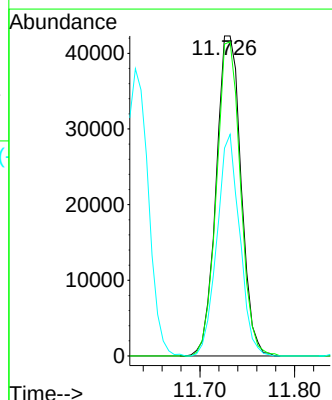
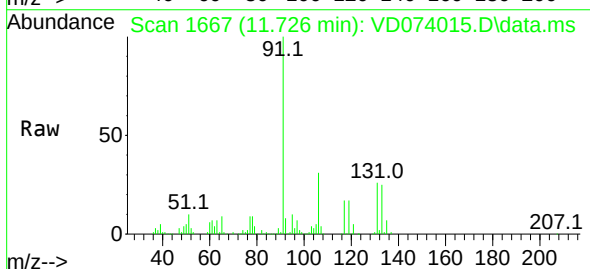
Instrument :  
MSVOA\_D  
ClientSampleId :

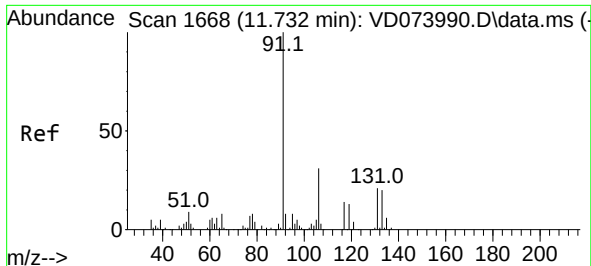
Tgt Ion:112 Resp: 188899  
Ion Ratio Lower Upper  
112 100  
114 32.5 24.8 37.2



#66  
1,1,1,2-Tetrachloroethane  
Concen: 49.533 ug/l  
RT: 11.726 min Scan# 1667  
Delta R.T. -0.006 min  
Lab File: VD074015.D  
Acq: 10 Aug 2022 04:51

Tgt Ion:131 Resp: 77148  
Ion Ratio Lower Upper  
131 100  
133 94.8 46.9 140.6  
119 63.4 31.6 94.8





#67

Ethyl Benzene

Concen: 47.200 ug/l

RT: 11.732 min Scan# 1668

Delta R.T. -0.000 min

Lab File: VD074015.D

Acq: 10 Aug 2022 04:51

Instrument :

MSVOA\_D

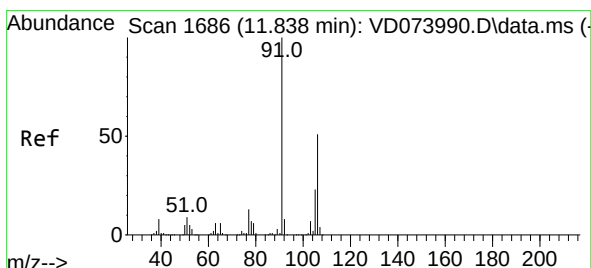
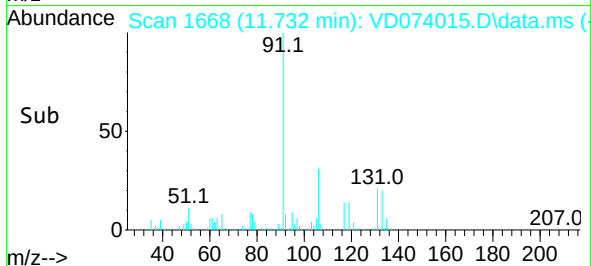
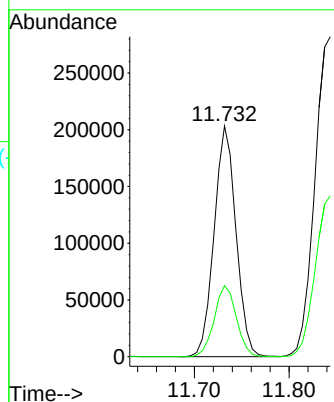
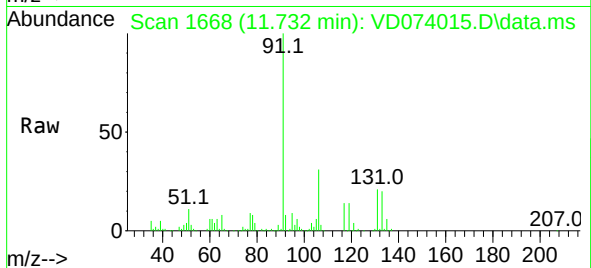
ClientSampleId :

Tgt Ion: 91 Resp: 325488

Ion Ratio Lower Upper

91 100

106 30.8 24.7 37.1



#68

m/p-Xylenes

Concen: 96.030 ug/l

RT: 11.844 min Scan# 1687

Delta R.T. 0.006 min

Lab File: VD074015.D

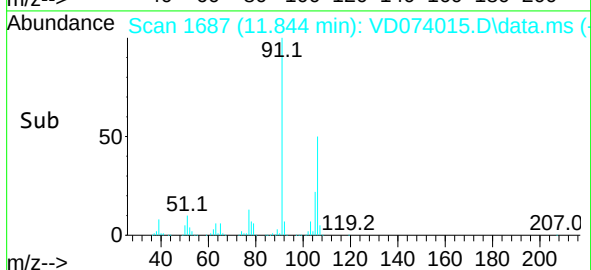
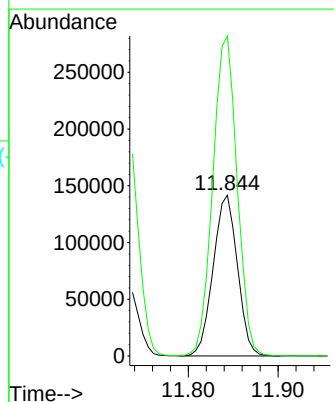
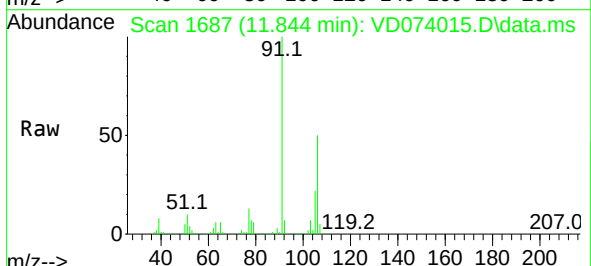
Acq: 10 Aug 2022 04:51

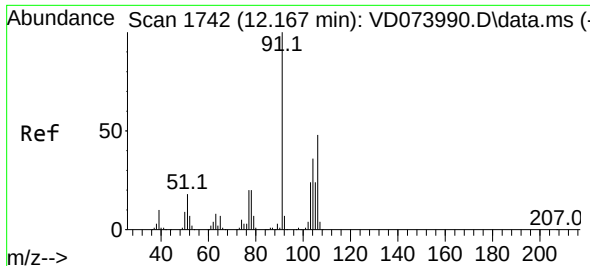
Tgt Ion: 106 Resp: 265930

Ion Ratio Lower Upper

106 100

91 199.6 159.2 238.8

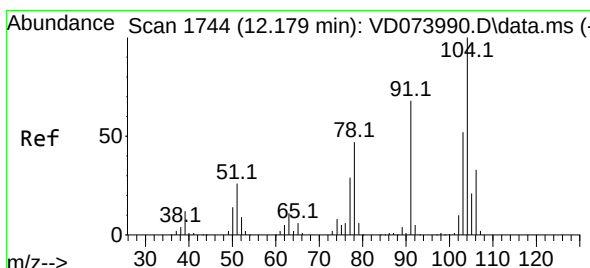
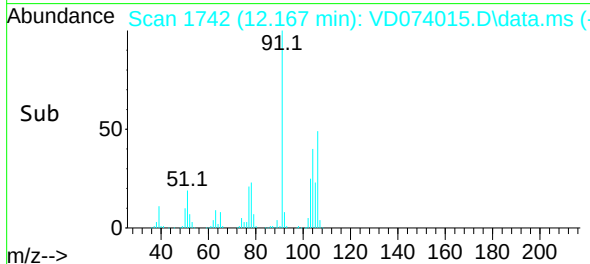
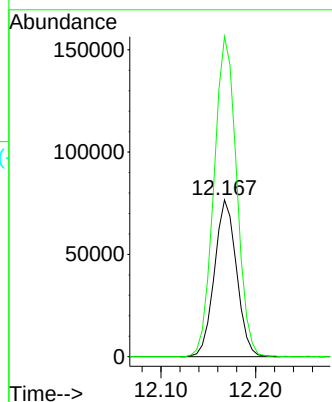
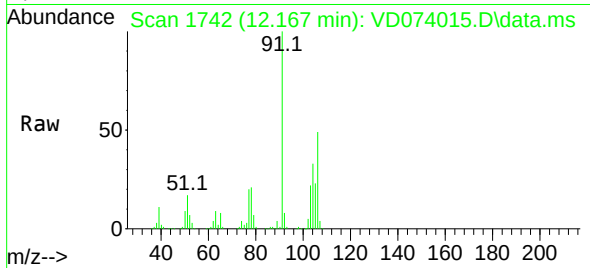




#69  
o-Xylene  
Concen: 49.007 ug/l  
RT: 12.167 min Scan# 1742  
Delta R.T. -0.000 min  
Lab File: VD074015.D  
Acq: 10 Aug 2022 04:51

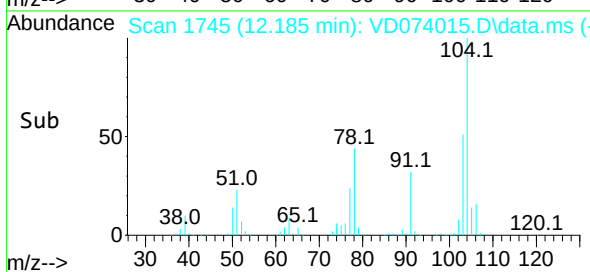
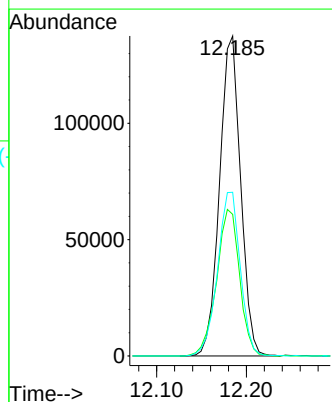
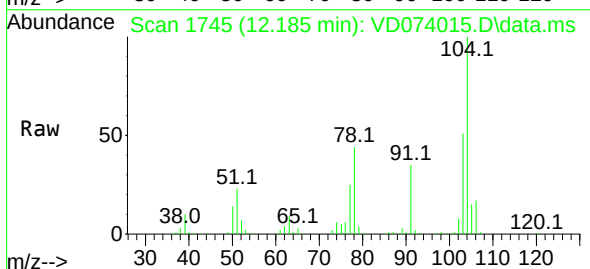
Instrument :  
MSVOA\_D  
ClientSampleId :

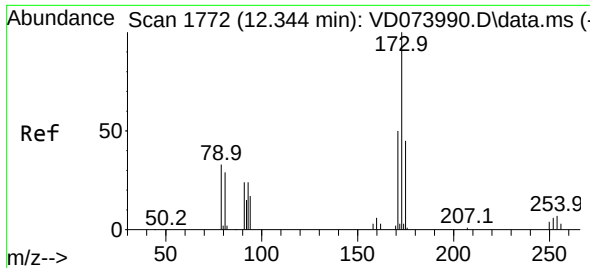
Tgt Ion:106 Resp: 124752  
Ion Ratio Lower Upper  
106 100  
91 209.3 104.7 314.1



#70  
Styrene  
Concen: 50.283 ug/l  
RT: 12.185 min Scan# 1745  
Delta R.T. 0.006 min  
Lab File: VD074015.D  
Acq: 10 Aug 2022 04:51

Tgt Ion:104 Resp: 223970  
Ion Ratio Lower Upper  
104 100  
78 50.2 38.2 57.2  
103 55.3 43.8 65.6

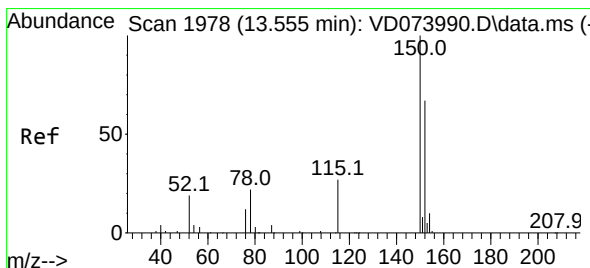
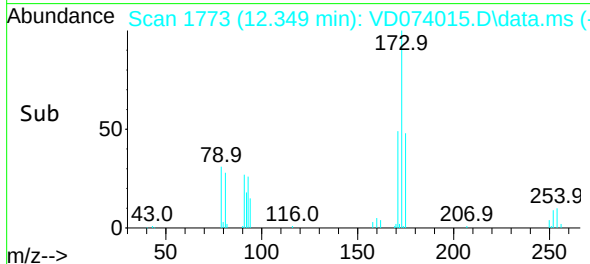
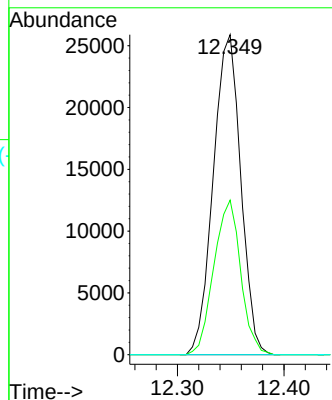
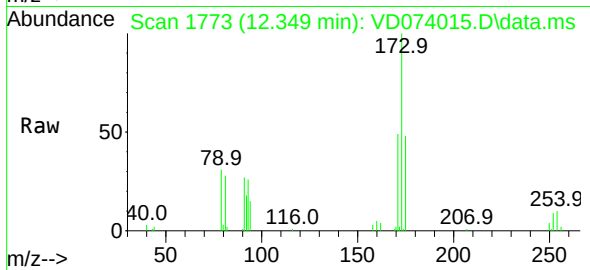




#71  
Bromoform  
Concen: 49.920 ug/l  
RT: 12.349 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VD074015.D  
Acq: 10 Aug 2022 04:51

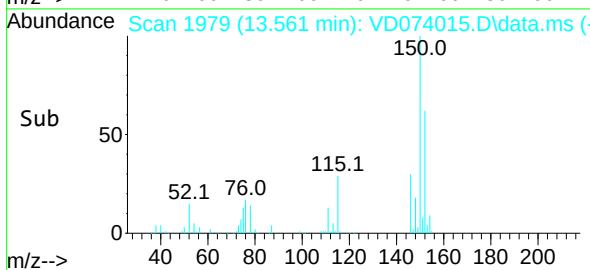
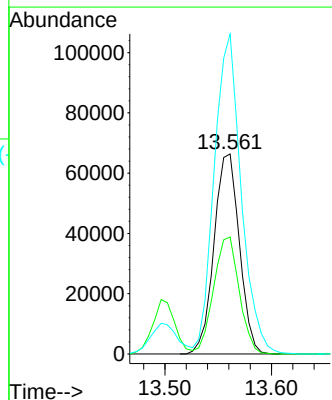
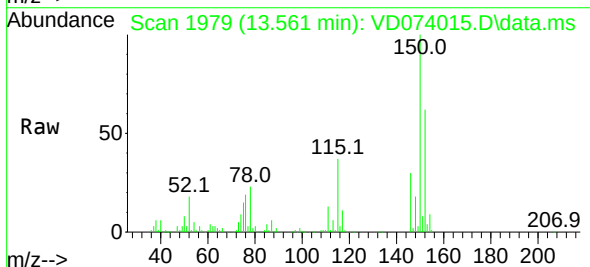
Instrument :  
MSVOA\_D  
ClientSampleId :

Tgt Ion:173 Resp: 46374  
Ion Ratio Lower Upper  
173 100  
175 47.1 23.9 71.8  
254 0.0 0.0 0.0

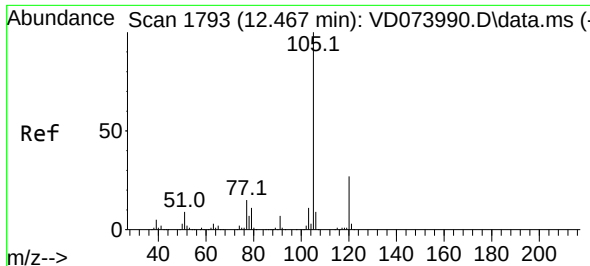


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.561 min Scan# 1979  
Delta R.T. 0.006 min  
Lab File: VD074015.D  
Acq: 10 Aug 2022 04:51

Tgt Ion:152 Resp: 109635  
Ion Ratio Lower Upper  
152 100  
115 59.0 29.9 89.8  
150 170.0 0.0 342.8

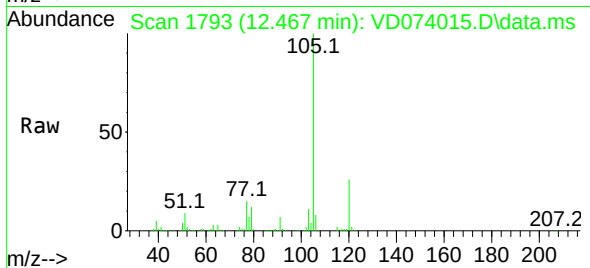




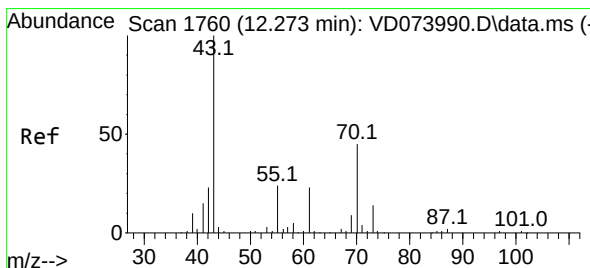
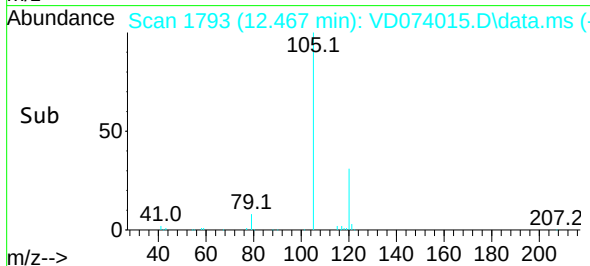
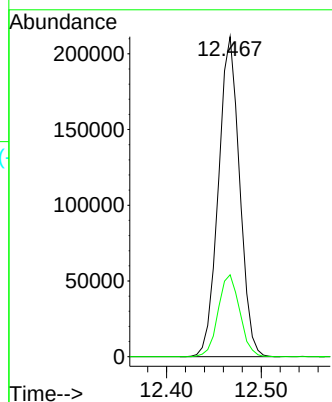


#73  
Isopropylbenzene  
Concen: 46.277 ug/l  
RT: 12.467 min Scan# 1793  
Delta R.T. -0.000 min  
Lab File: VD074015.D  
Acq: 10 Aug 2022 04:51

Instrument :  
MSVOA\_D  
ClientSampleId :

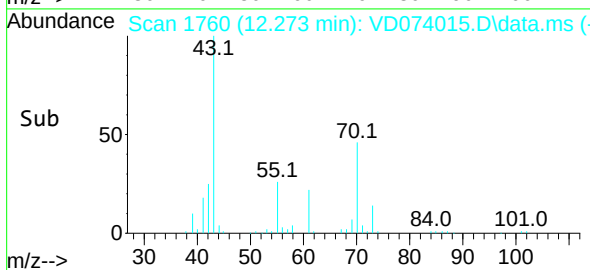
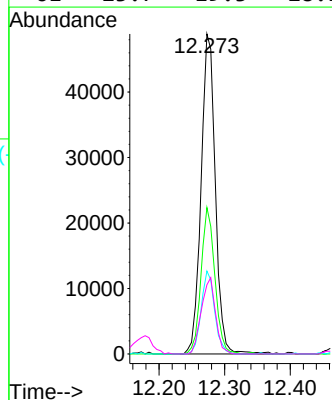
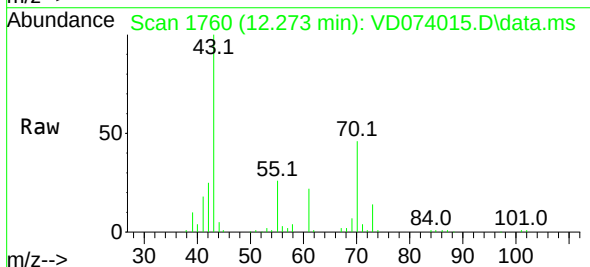


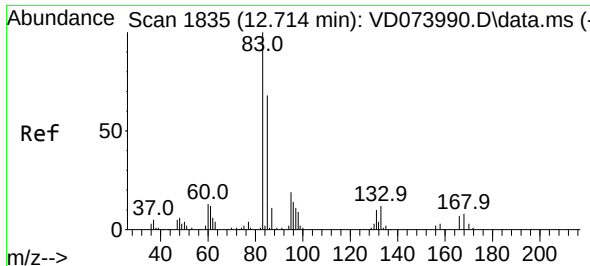
Tgt Ion:105 Resp: 328710  
Ion Ratio Lower Upper  
105 100  
120 26.1 13.4 40.1



#74  
N-ethyl acetate  
Concen: 48.978 ug/l  
RT: 12.273 min Scan# 1760  
Delta R.T. -0.000 min  
Lab File: VD074015.D  
Acq: 10 Aug 2022 04:51

Tgt Ion: 43 Resp: 74177  
Ion Ratio Lower Upper  
43 100  
70 44.3 35.9 53.9  
55 24.4 19.4 29.2  
61 23.7 19.3 28.9

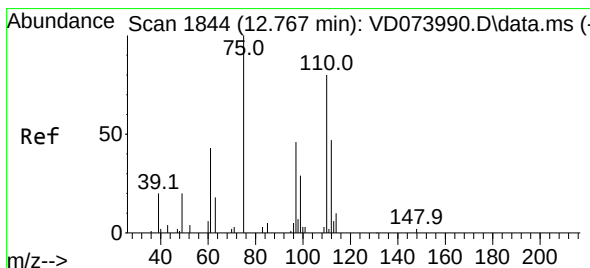
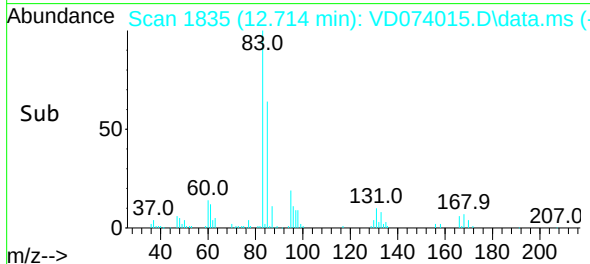
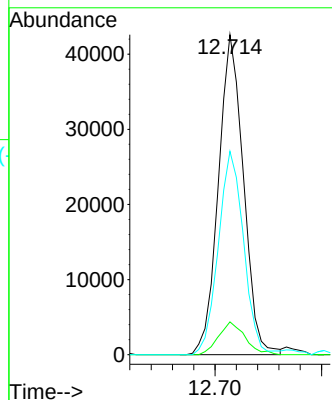
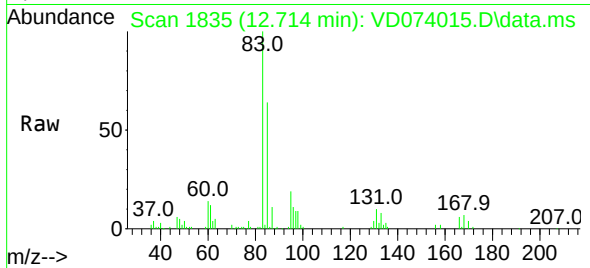




#75  
 1,1,2-Tetrachloroethane  
 Concen: 50.303 ug/l  
 RT: 12.714 min Scan# 1835  
 Delta R.T. -0.000 min  
 Lab File: VD074015.D  
 Acq: 10 Aug 2022 04:51

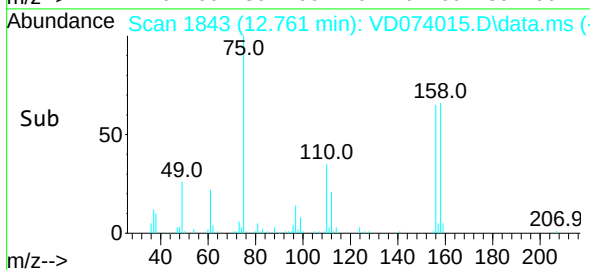
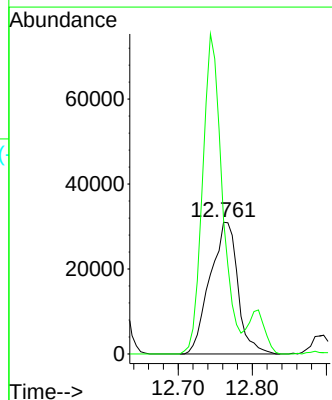
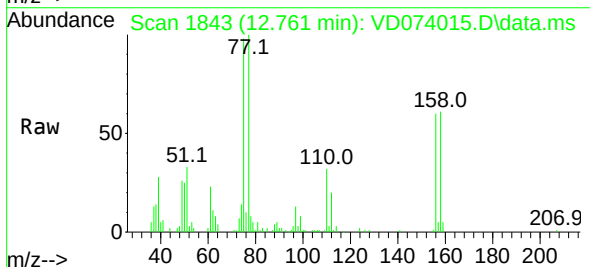
Instrument :  
 MSVOA\_D  
 ClientSampleId :

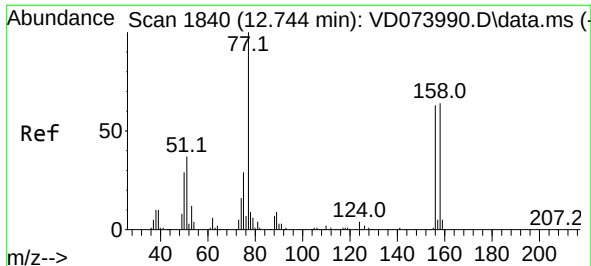
Tgt Ion: 83 Resp: 69491  
 Ion Ratio Lower Upper  
 83 100  
 131 10.9 5.5 16.7  
 85 64.0 33.4 100.2



#76  
 1,2,3-Trichloropropane  
 Concen: 97.034 ug/l  
 RT: 12.761 min Scan# 1843  
 Delta R.T. -0.006 min  
 Lab File: VD074015.D  
 Acq: 10 Aug 2022 04:51

Tgt Ion: 75 Resp: 80633  
 Ion Ratio Lower Upper  
 75 100  
 77 173.0 0.0 0.0#

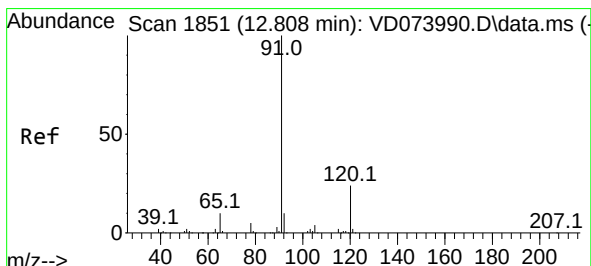
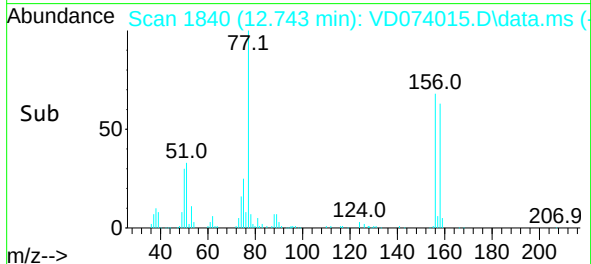
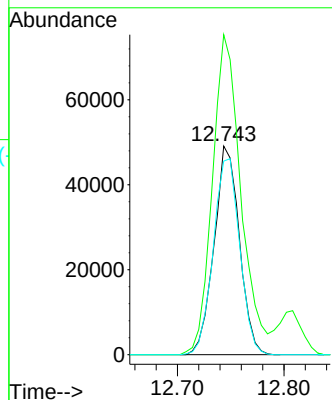
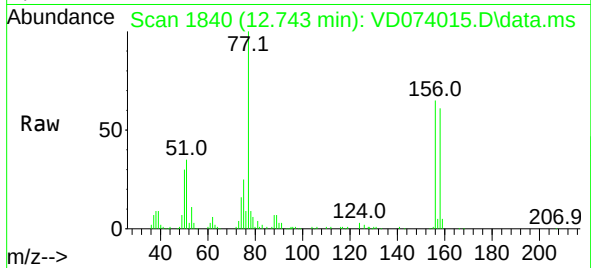




#77  
Bromobenzene  
Concen: 46.643 ug/l  
RT: 12.743 min Scan# 1840  
Delta R.T. -0.000 min  
Lab File: VD074015.D  
Acq: 10 Aug 2022 04:51

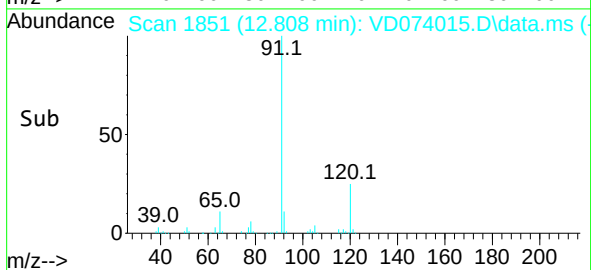
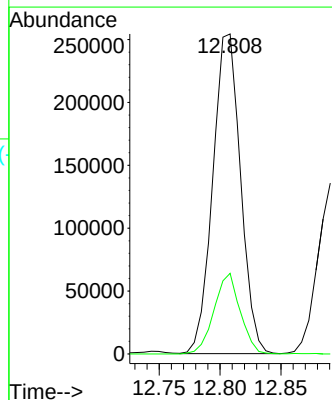
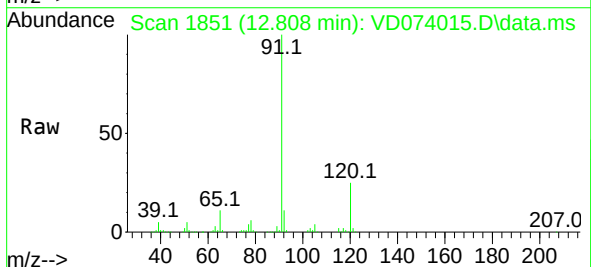
Instrument :  
MSVOA\_D  
ClientSampleId :

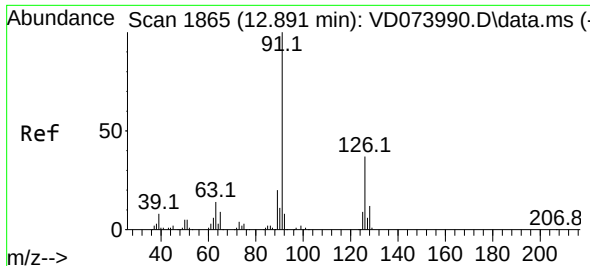
Tgt Ion:156 Resp: 81010  
Ion Ratio Lower Upper  
156 100  
77 172.2 87.5 262.4  
158 98.2 49.6 149.0



#78  
n-propylbenzene  
Concen: 46.180 ug/l  
RT: 12.808 min Scan# 1851  
Delta R.T. -0.000 min  
Lab File: VD074015.D  
Acq: 10 Aug 2022 04:51

Tgt Ion: 91 Resp: 403140  
Ion Ratio Lower Upper  
91 100  
120 23.7 11.7 35.1

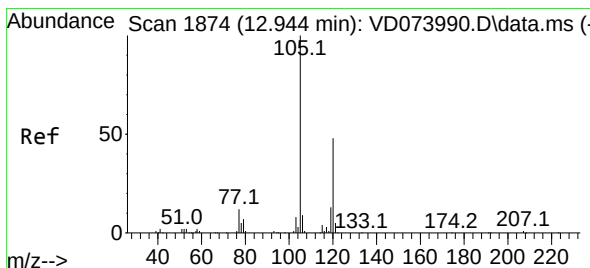
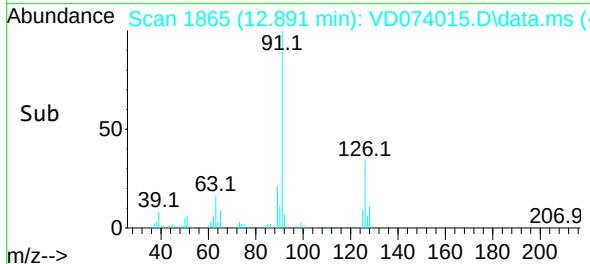
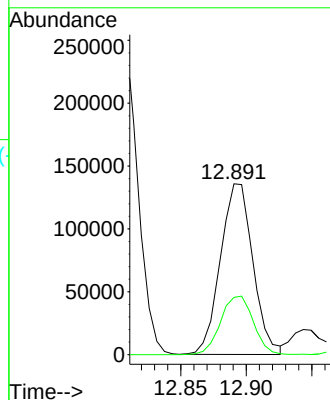
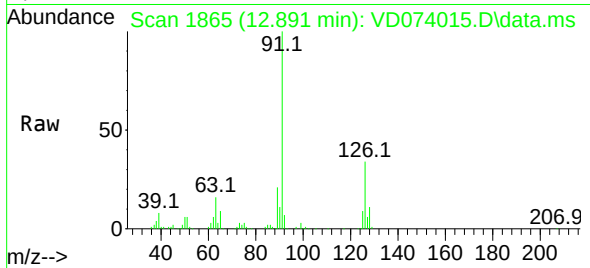




#79  
2-Chlorotoluene  
Concen: 47.237 ug/l  
RT: 12.891 min Scan# 1865  
Delta R.T. -0.000 min  
Lab File: VD074015.D  
Acq: 10 Aug 2022 04:51

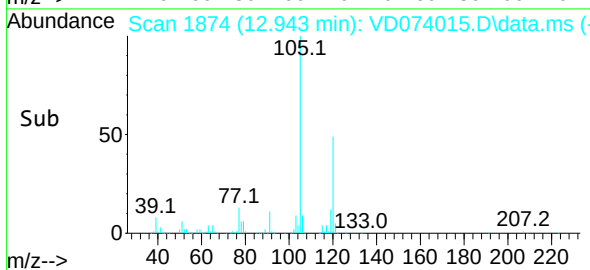
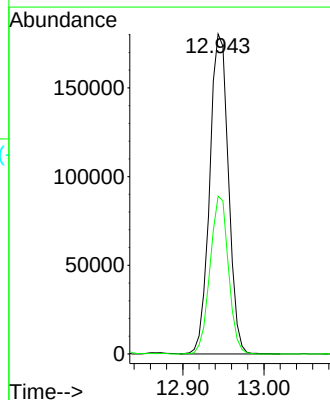
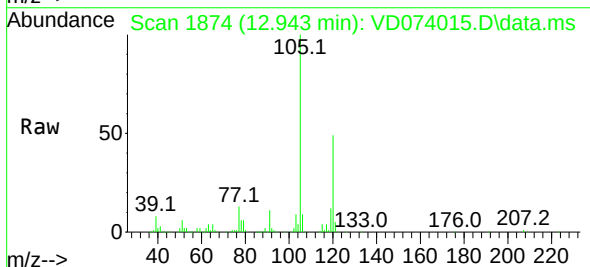
Instrument :  
MSVOA\_D  
ClientSampleId :

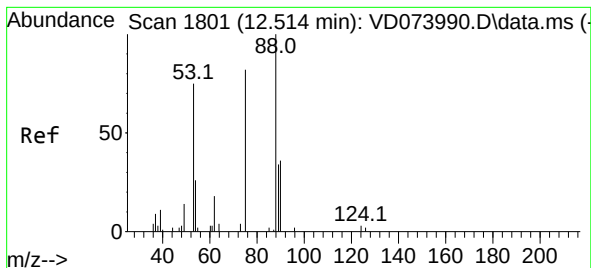
Tgt Ion: 91 Resp: 234220  
Ion Ratio Lower Upper  
91 100  
126 34.5 17.7 53.1



#80  
1,3,5-Trimethylbenzene  
Concen: 47.592 ug/l  
RT: 12.943 min Scan# 1874  
Delta R.T. -0.000 min  
Lab File: VD074015.D  
Acq: 10 Aug 2022 04:51

Tgt Ion: 105 Resp: 289046  
Ion Ratio Lower Upper  
105 100  
120 48.3 24.6 73.6

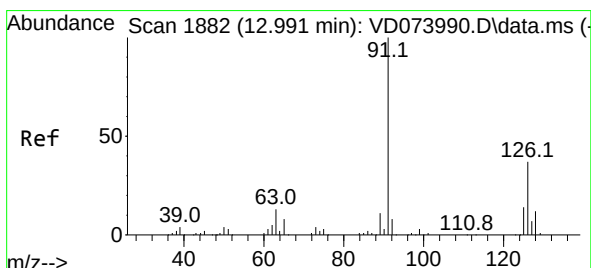
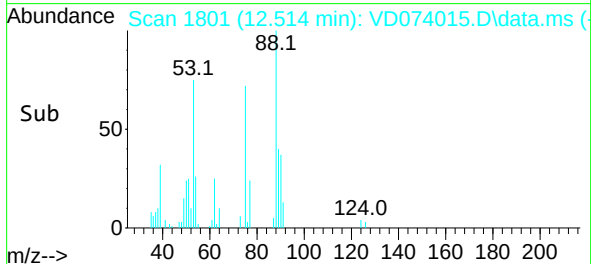
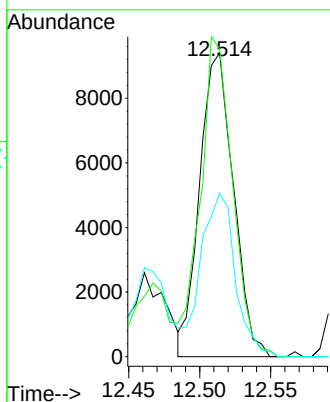
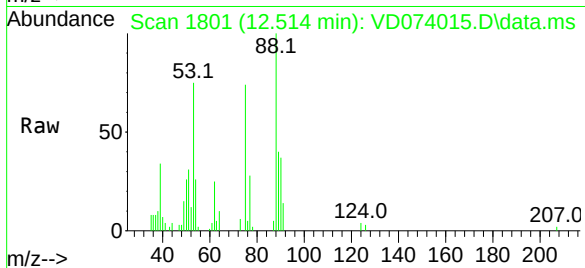




#81  
trans-1,4-Dichloro-2-butene  
Concen: 40.084 ug/l  
RT: 12.514 min Scan# 1801  
Delta R.T. -0.000 min  
Lab File: VD074015.D  
Acq: 10 Aug 2022 04:51

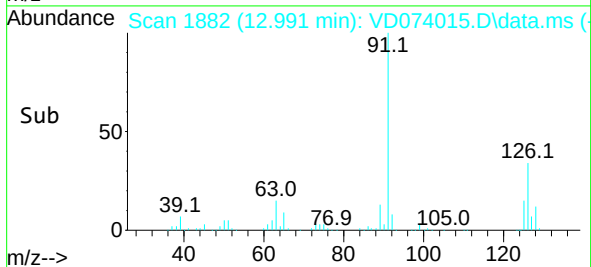
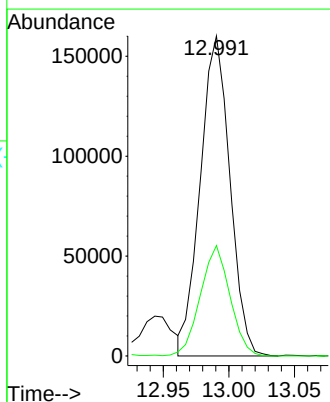
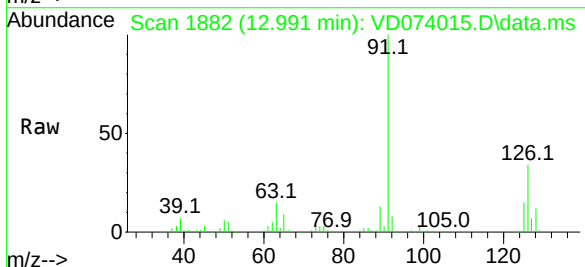
Instrument :  
MSVOA\_D  
ClientSampleId :

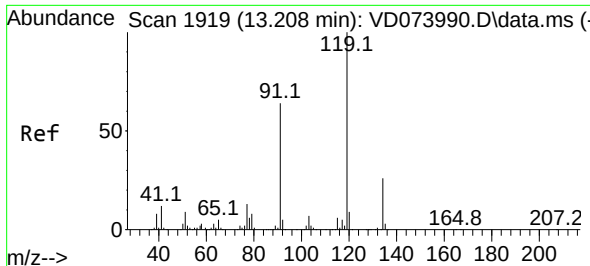
Tgt Ion: 75 Resp: 15498  
Ion Ratio Lower Upper  
75 100  
53 99.9 71.3 106.9  
89 55.3 38.3 57.5



#82  
4-Chlorotoluene  
Concen: 47.773 ug/l  
RT: 12.991 min Scan# 1882  
Delta R.T. -0.000 min  
Lab File: VD074015.D  
Acq: 10 Aug 2022 04:51

Tgt Ion: 91 Resp: 251657  
Ion Ratio Lower Upper  
91 100  
126 34.5 17.8 53.3

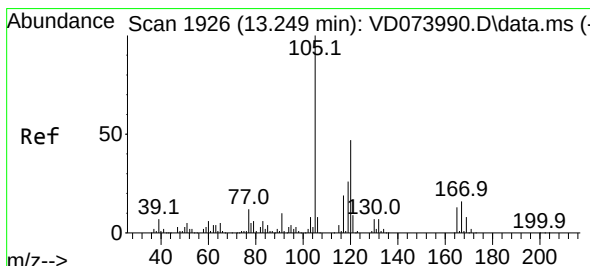
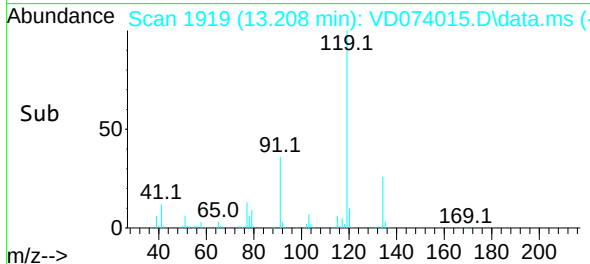
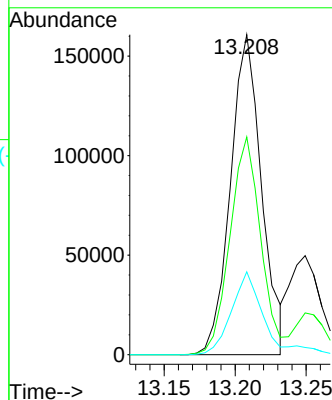
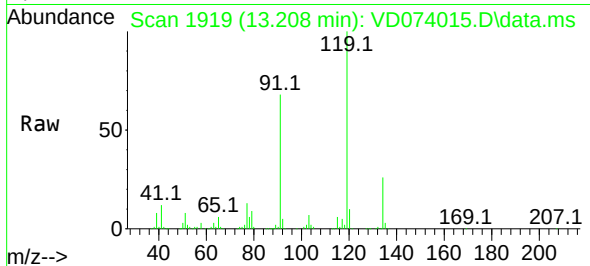




#83  
tert-Butylbenzene  
Concen: 46.660 ug/l  
RT: 13.208 min Scan# 1919  
Delta R.T. -0.000 min  
Lab File: VD074015.D  
Acq: 10 Aug 2022 04:51

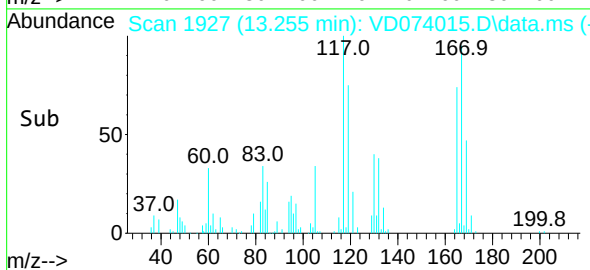
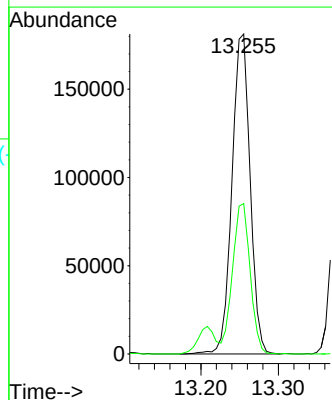
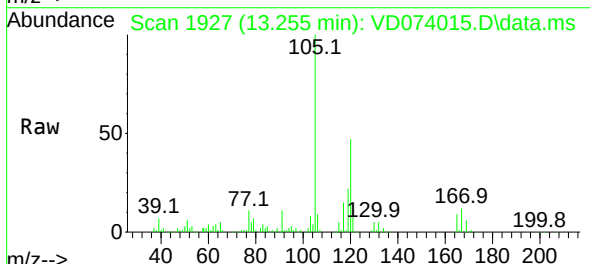
Instrument :  
MSVOA\_D  
ClientSampleId :

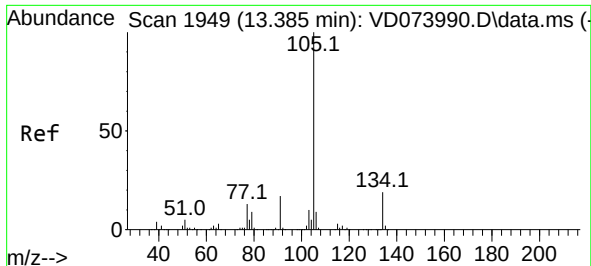
Tgt Ion:119 Resp: 245553  
Ion Ratio Lower Upper  
119 100  
91 66.8 31.8 95.3  
134 27.1 13.5 40.4



#84  
1,2,4-Trimethylbenzene  
Concen: 48.331 ug/l  
RT: 13.255 min Scan# 1927  
Delta R.T. 0.006 min  
Lab File: VD074015.D  
Acq: 10 Aug 2022 04:51

Tgt Ion:105 Resp: 294553  
Ion Ratio Lower Upper  
105 100  
120 45.6 22.7 68.0

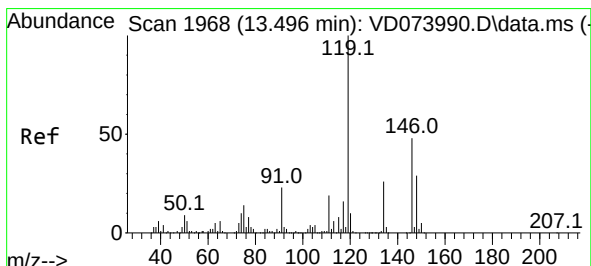
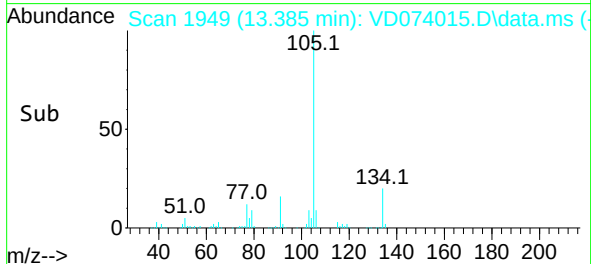
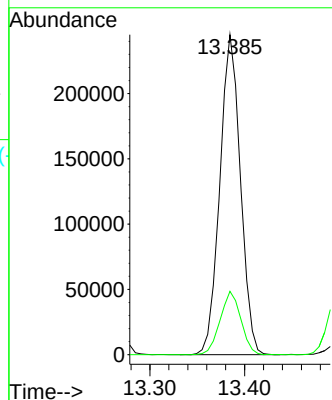
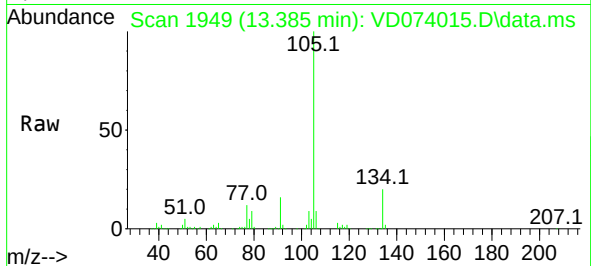




#85  
 sec-Butylbenzene  
 Concen: 46.313 ug/l  
 RT: 13.385 min Scan# 1949  
 Delta R.T. -0.000 min  
 Lab File: VD074015.D  
 Acq: 10 Aug 2022 04:51

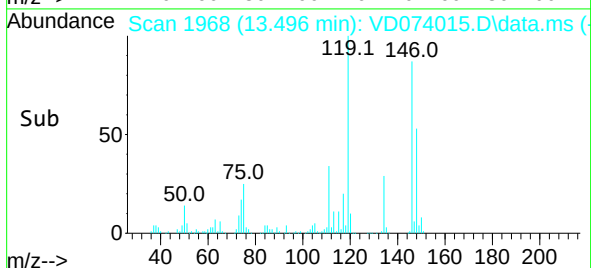
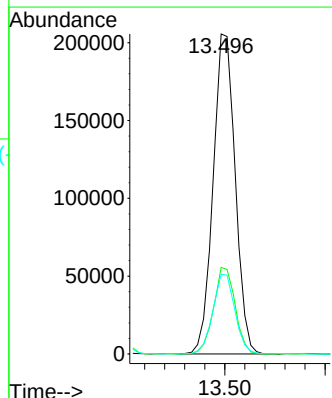
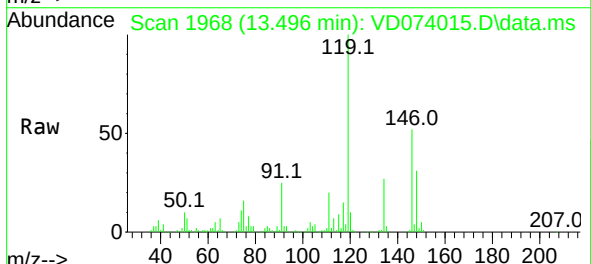
Instrument :  
 MSVOA\_D  
 ClientSampleId :

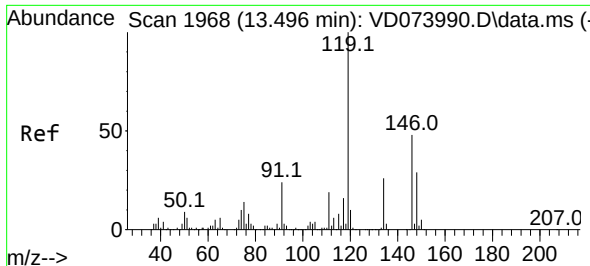
Tgt Ion:105 Resp: 370595  
 Ion Ratio Lower Upper  
 105 100  
 134 20.0 10.1 30.3



#86  
 p-Isopropyltoluene  
 Concen: 46.600 ug/l  
 RT: 13.496 min Scan# 1968  
 Delta R.T. -0.000 min  
 Lab File: VD074015.D  
 Acq: 10 Aug 2022 04:51

Tgt Ion:119 Resp: 314620  
 Ion Ratio Lower Upper  
 119 100  
 134 26.4 13.1 39.3  
 91 25.0 11.7 35.0

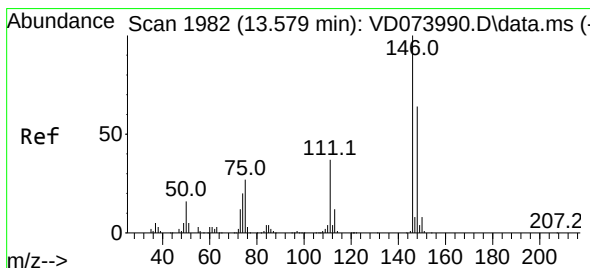
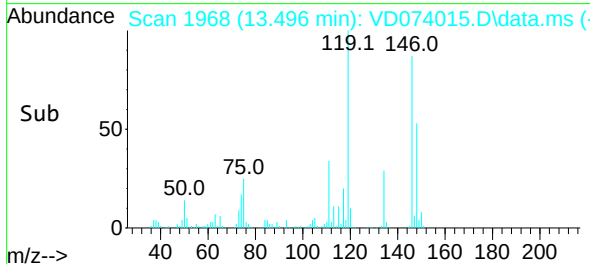
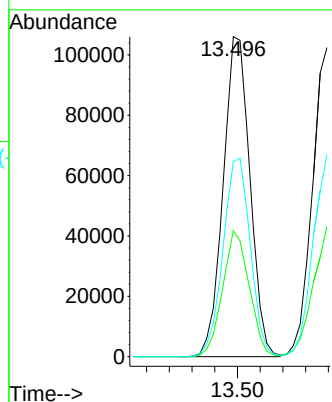
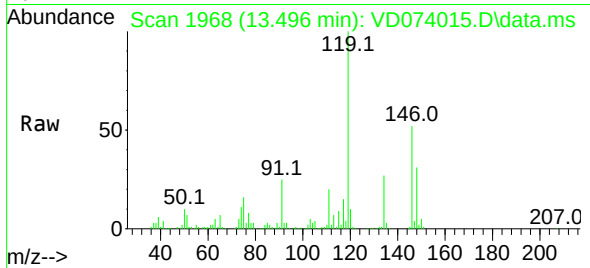




#87  
1,3-Dichlorobenzene  
Concen: 47.641 ug/l  
RT: 13.496 min Scan# 1968  
Delta R.T. -0.000 min  
Lab File: VD074015.D  
Acq: 10 Aug 2022 04:51

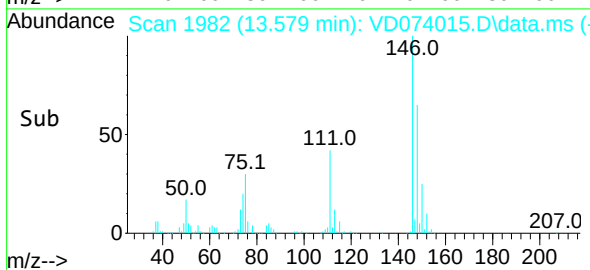
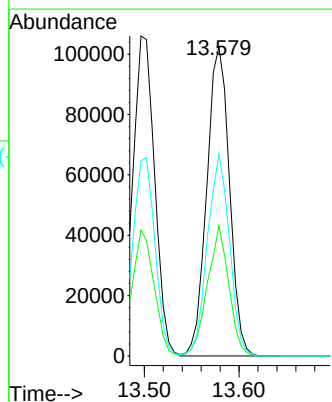
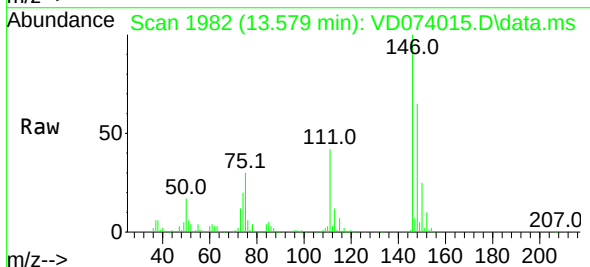
Instrument :  
MSVOA\_D  
ClientSampleId :

Tgt Ion:146 Resp: 173601  
Ion Ratio Lower Upper  
146 100  
111 39.1 19.7 59.1  
148 63.3 31.6 95.0

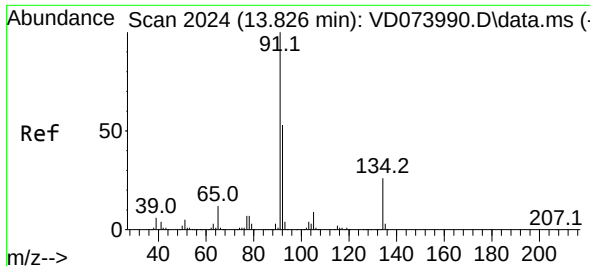


#88  
1,4-Dichlorobenzene  
Concen: 46.129 ug/l  
RT: 13.579 min Scan# 1982  
Delta R.T. -0.000 min  
Lab File: VD074015.D  
Acq: 10 Aug 2022 04:51

Tgt Ion:146 Resp: 170022  
Ion Ratio Lower Upper  
146 100  
111 39.9 19.4 58.1  
148 63.6 31.4 94.0

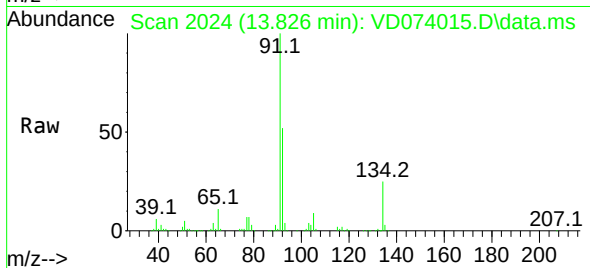




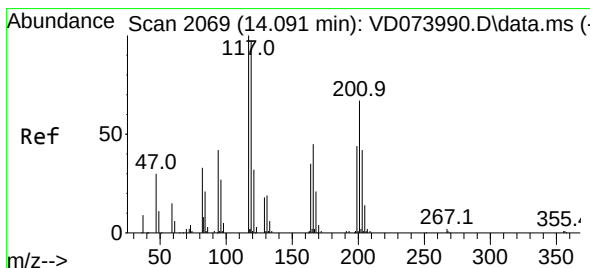
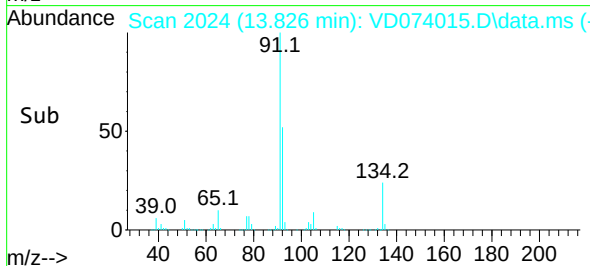
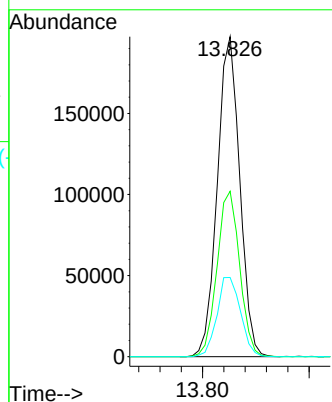


#89  
n-Butylbenzene  
Concen: 45.517 ug/l  
RT: 13.826 min Scan# 20  
Delta R.T. -0.000 min  
Lab File: VD074015.D  
Acq: 10 Aug 2022 04:51

Instrument :  
MSVOA\_D  
ClientSampleId :

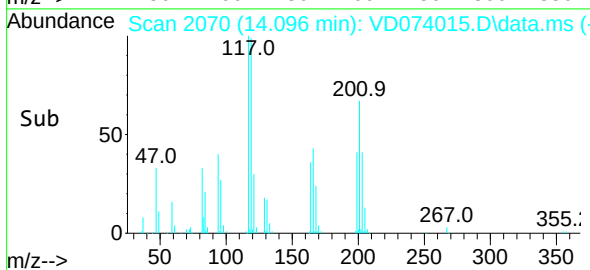
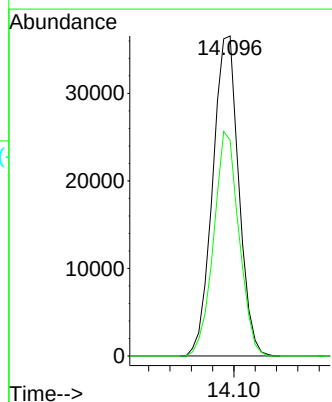
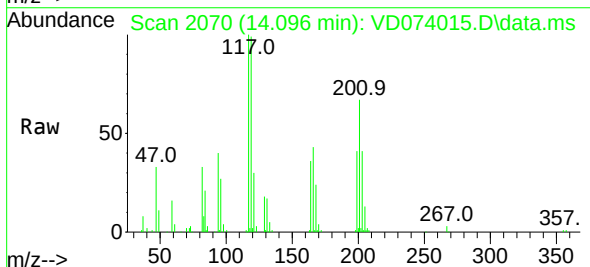


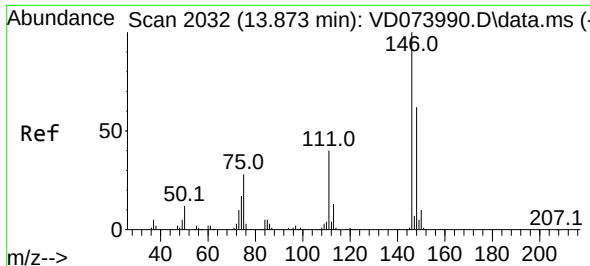
Tgt Ion: 91 Resp: 288149  
Ion Ratio Lower Upper  
91 100  
92 52.2 26.5 79.4  
134 26.0 12.9 38.7



#90  
Hexachloroethane  
Concen: 45.618 ug/l  
RT: 14.096 min Scan# 2070  
Delta R.T. 0.006 min  
Lab File: VD074015.D  
Acq: 10 Aug 2022 04:51

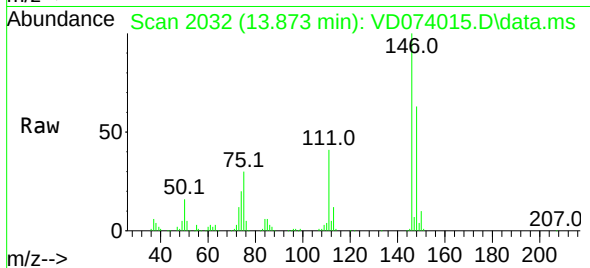
Tgt Ion: 117 Resp: 61985  
Ion Ratio Lower Upper  
117 100  
201 68.1 34.1 102.3



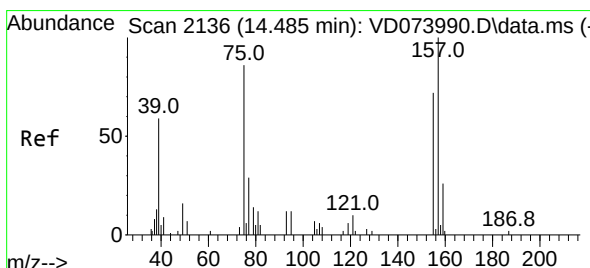
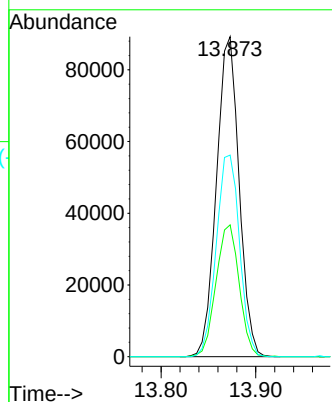
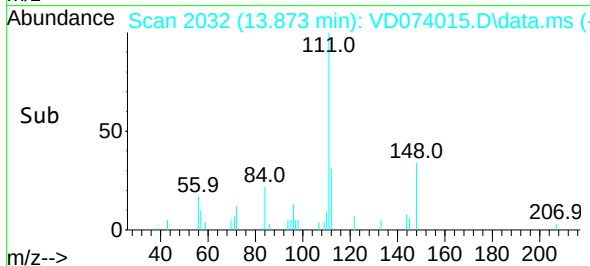


#91  
1,2-Dichlorobenzene  
Concen: 47.155 ug/l  
RT: 13.873 min Scan# 2032  
Delta R.T. -0.000 min  
Lab File: VD074015.D  
Acq: 10 Aug 2022 04:51

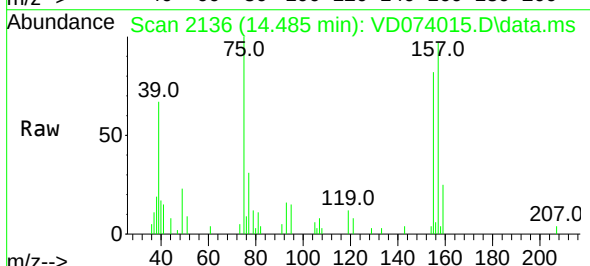
Instrument :  
MSVOA\_D  
ClientSampleId :



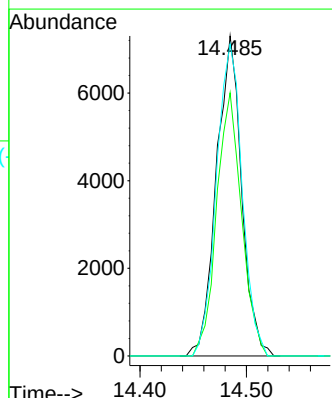
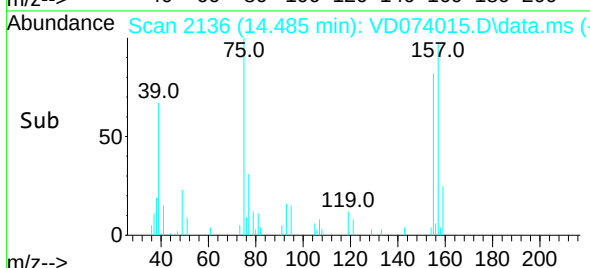
Tgt Ion:146 Resp: 148309  
Ion Ratio Lower Upper  
146 100  
111 42.2 20.8 62.4  
148 64.8 31.6 95.0

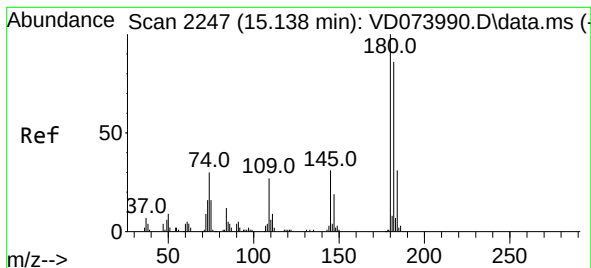


#92  
1,2-Dibromo-3-Chloropropane  
Concen: 48.502 ug/l  
RT: 14.485 min Scan# 2136  
Delta R.T. -0.000 min  
Lab File: VD074015.D  
Acq: 10 Aug 2022 04:51



Tgt Ion: 75 Resp: 11962  
Ion Ratio Lower Upper  
75 100  
155 81.6 41.5 124.6  
157 99.8 55.2 165.6





#93

1,2,4-Trichlorobenzene

Concen: 44.789 ug/l

RT: 15.137 min Scan# 2247

Delta R.T. -0.000 min

Lab File: VD074015.D

Acq: 10 Aug 2022 04:51

Instrument :

MSVOA\_D

ClientSampleId :

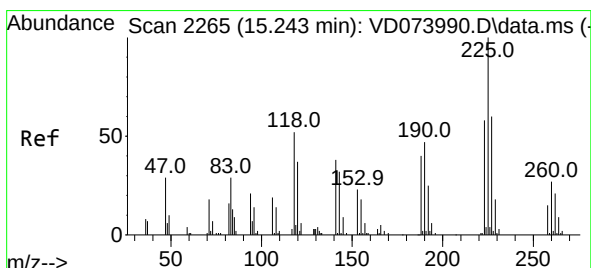
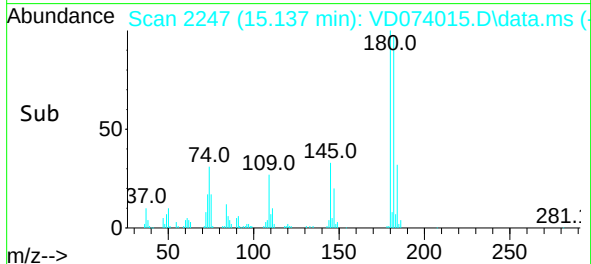
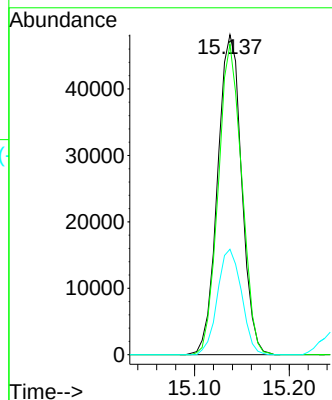
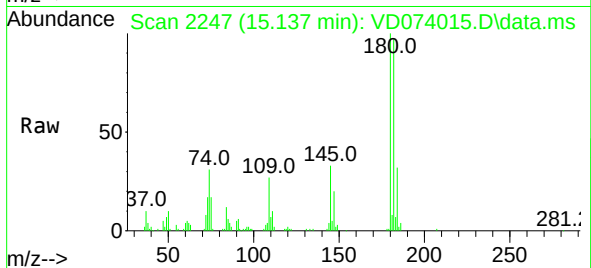
Tgt Ion:180 Resp: 84786

Ion Ratio Lower Upper

180 100

182 94.8 47.0 141.0

145 33.0 16.2 48.6



#94

Hexachlorobutadiene

Concen: 43.194 ug/l

RT: 15.237 min Scan# 2264

Delta R.T. -0.006 min

Lab File: VD074015.D

Acq: 10 Aug 2022 04:51

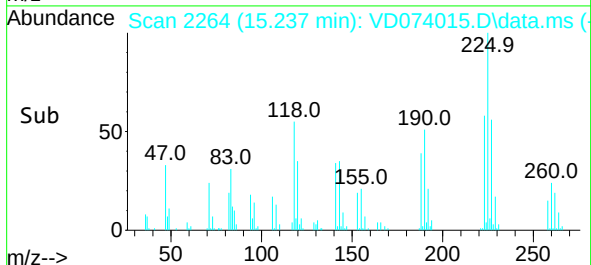
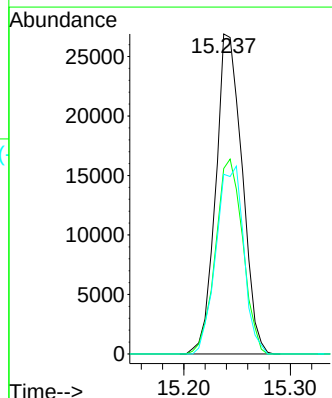
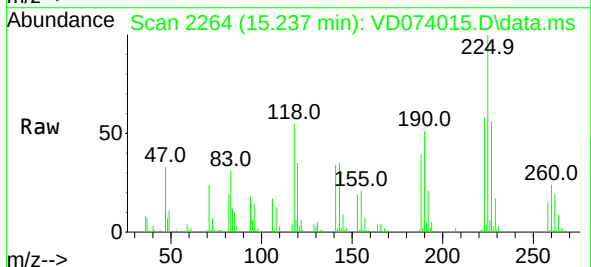
Tgt Ion:225 Resp: 46249

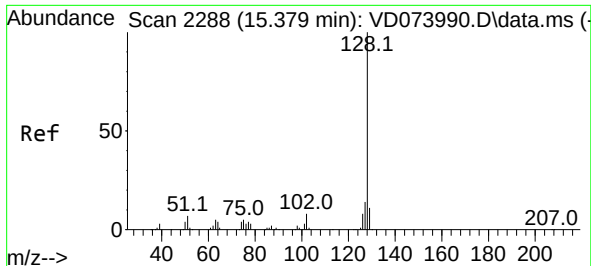
Ion Ratio Lower Upper

225 100

223 62.8 30.7 92.1

227 61.3 30.6 91.8

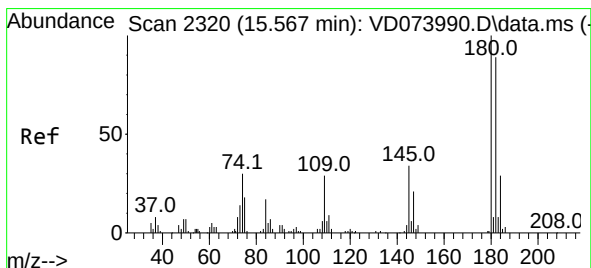
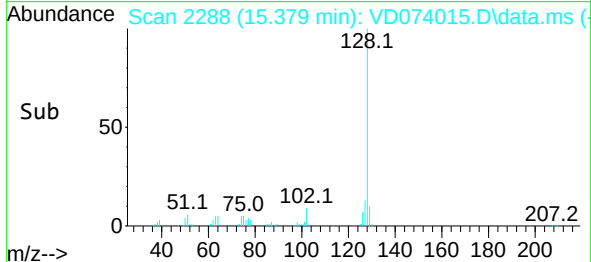
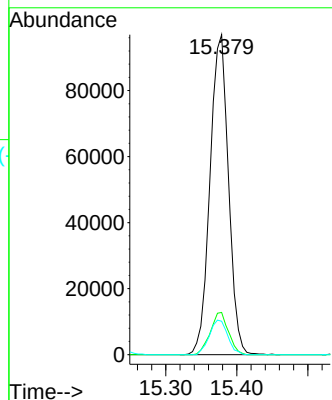
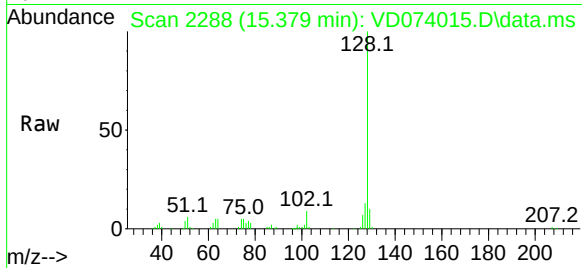




#95  
Naphthalene  
Concen: 49.127 ug/l  
RT: 15.379 min Scan# 211  
Delta R.T. -0.000 min  
Lab File: VD074015.D  
Acq: 10 Aug 2022 04:51

Instrument :  
MSVOA\_D  
ClientSampleId :

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 128   | Resp: | 174906 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 13.0  | 10.6  | 15.8   |
| 129       | 10.7  | 8.5   | 12.7   |



#96  
1,2,3-Trichlorobenzene  
Concen: 47.324 ug/l  
RT: 15.573 min Scan# 2321  
Delta R.T. 0.006 min  
Lab File: VD074015.D  
Acq: 10 Aug 2022 04:51

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 80786 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 91.7  | 46.2  | 138.5 |
| 145       | 32.2  | 16.8  | 50.4  |

