

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW102221\  
 Data File : VW020680.D  
 Acq On : 22 Oct 2021 13:36  
 Operator : SY/VA  
 Sample : VSTDIC020  
 Misc : 5.00g/5mL/MSVOA\_W/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC020

Manual Integrations  
 APPROVED

MMDadoda  
 10/25/2021 11:56:08 AM

Quant Time: Oct 23 05:26:38 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W102221S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Oct 23 05:24:19 2021  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 7.945  | 168   | 104792   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.841  | 114   | 154631   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.633 | 117   | 142706   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.560 | 152   | 79367    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.305  | 65    | 25403    | 20.901   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 50 - 163 | Recovery | =      | 41.800%# |
| 35) Dibromofluoromethane     | 7.884  | 113   | 21359    | 21.103   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 54 - 147 | Recovery | =      | 42.200%# |
| 50) Toluene-d8               | 10.323 | 98    | 82363    | 21.843   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 49 - 140 | Recovery | =      | 43.680%# |
| 62) 4-Bromofluorobenzene     | 12.615 | 95    | 29970    | 21.619   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 25 - 144 | Recovery | =      | 43.240%  |
| Target Compounds             |        |       |          |          |        |          |
|                              |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.007  | 85    | 4236     | 7.433    | ug/l   | 98       |
| 3) Chloromethane             | 2.214  | 50    | 13212    | 14.520   | ug/l   | 98       |
| 4) Vinyl Chloride            | 2.355  | 62    | 15955    | 11.213   | ug/l   | 97       |
| 5) Bromomethane              | 2.757  | 94    | 9497     | 8.496    | ug/l   | 99       |
| 6) Chloroethane              | 2.903  | 64    | 6635     | 7.131    | ug/l   | 95       |
| 7) Trichlorofluoromethane    | 3.245  | 101   | 11628    | 13.976   | ug/l   | 92       |
| 8) Diethyl Ether             | 3.684  | 74    | 9342     | 17.641   | ug/l   | 97       |
| 9) 1,1,2-Trichlorotrifluo... | 4.049  | 101   | 19666    | 17.528   | ug/l   | 99       |
| 10) Methyl Iodide            | 4.269  | 142   | 23815    | 15.661   | ug/l   | 98       |
| 11) Tert butyl alcohol       | 5.171  | 59    | 7228     | 117.086  | ug/l # | 86       |
| 12) 1,1-Dichloroethene       | 4.037  | 96    | 18306    | 17.384   | ug/l   | 99       |
| 13) Acrolein                 | 3.891  | 56    | 7029     | 144.028  | ug/l   | 98       |
| 14) Allyl chloride           | 4.665  | 41    | 29096    | 19.639   | ug/l   | 100      |
| 15) Acrylonitrile            | 5.366  | 53    | 25233    | 108.374  | ug/l   | 99       |
| 16) Acetone                  | 4.123  | 43    | 25146    | 115.468  | ug/l   | 99       |
| 17) Carbon Disulfide         | 4.379  | 76    | 49149    | 15.309   | ug/l   | 99       |
| 18) Methyl Acetate           | 4.677  | 43    | 16846    | 27.280   | ug/l   | 98       |
| 19) Methyl tert-butyl Ether  | 5.433  | 73    | 32366    | 22.062   | ug/l   | 96       |
| 20) Methylene Chloride       | 4.915  | 84    | 25547    | 17.613   | ug/l   | 98       |
| 21) trans-1,2-Dichloroethene | 5.427  | 96    | 20233    | 16.922   | ug/l   | 95       |
| 22) Diisopropyl ether        | 6.317  | 45    | 60956    | 19.668   | ug/l   | 98       |
| 23) Vinyl Acetate            | 6.256  | 43    | 174937   | 101.517  | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 6.214  | 63    | 37508    | 17.375   | ug/l   | 99       |
| 25) 2-Butanone               | 7.171  | 43    | 33399    | 111.497  | ug/l   | 99       |
| 26) 2,2-Dichloropropane      | 7.165  | 77    | 24715    | 18.647   | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 7.171  | 96    | 21996    | 17.239   | ug/l   | 99       |
| 28) Bromochloromethane       | 7.512  | 49    | 15501    | 18.043   | ug/l # | 98       |
| 29) Tetrahydrofuran          | 7.531  | 42    | 21590    | 116.603  | ug/l   | 97       |
| 30) Chloroform               | 7.677  | 83    | 39417    | 17.376   | ug/l   | 99       |
| 31) Cyclohexane              | 7.951  | 56    | 35517    | 18.038   | ug/l   | 97       |
| 32) 1,1,1-Trichloroethane    | 7.872  | 97    | 33269    | 17.999   | ug/l   | 98       |
| 36) 1,1-Dichloropropene      | 8.085  | 75    | 30540    | 18.909   | ug/l   | 99       |
| 37) Ethyl Acetate            | 7.256  | 43    | 15386    | 24.235   | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 8.073  | 117   | 30327    | 18.482   | ug/l   | 99       |
| 39) Methylcyclohexane        | 9.335  | 83    | 34677    | 18.622   | ug/l   | 98       |
| 40) Benzene                  | 8.323  | 78    | 85289    | 19.218   | ug/l   | 100      |

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 Sample : VSTDIC020  
 Misc : 5.00g/5mL/MSVOA\_W/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC020

Manual Integrations  
 APPROVED

MMDadoda  
 10/25/2021 11:56:08 AM

Quant Time: Oct 23 05:26:38 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W102221S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Oct 23 05:24:19 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.488  | 41   | 8421     | 23.229  | ug/l   | 96       |
| 42) 1,2-Dichloroethane        | 8.402  | 62   | 28056    | 20.321  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 8.427  | 43   | 27375    | 22.938  | ug/l   | 99       |
| 44) Trichloroethene           | 9.091  | 130  | 22675    | 19.334  | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 9.366  | 63   | 20396    | 18.901  | ug/l   | 99       |
| 46) Dibromomethane            | 9.457  | 93   | 11620    | 18.998  | ug/l   | 99       |
| 47) Bromodichloromethane      | 9.646  | 83   | 28226    | 18.617  | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.439  | 41   | 12565    | 23.649  | ug/l   | 99       |
| 49) 1,4-Dioxane               | 9.451  | 88   | 3066     | 390.849 | ug/l   | 95       |
| 51) 4-Methyl-2-Pentanone      | 10.213 | 43   | 76911    | 122.446 | ug/l   | 99       |
| 52) Toluene                   | 10.390 | 92   | 54759    | 19.479  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.609 | 75   | 29151    | 19.789  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 10.073 | 75   | 32525    | 19.135  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 10.786 | 97   | 16826    | 20.065  | ug/l   | 94       |
| 56) Ethyl methacrylate        | 10.646 | 69   | 20762    | 21.588  | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 10.932 | 76   | 28428    | 19.856  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.926  | 63   | 52154    | 118.791 | ug/l   | 98       |
| 59) 2-Hexanone                | 10.969 | 43   | 53885    | 126.159 | ug/l   | 99       |
| 60) Dibromochloromethane      | 11.127 | 129  | 19327    | 19.993  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.237 | 107  | 15816    | 20.057  | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.865 | 164  | 20929    | 20.953  | ug/l   | 93       |
| 65) Chlorobenzene             | 11.658 | 112  | 58131    | 19.163  | ug/l   | 95       |
| 66) 1,1,1,2-Tetrachloroethane | 11.731 | 131  | 20796    | 19.201  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.731 | 91   | 103654   | 19.351  | ug/l   | 100      |
| 68) m/p-Xylenes               | 11.841 | 106  | 81860    | 39.024  | ug/l   | 99       |
| 69) o-Xylene                  | 12.164 | 106  | 37887    | 19.761  | ug/l   | 96       |
| 70) Styrene                   | 12.182 | 104  | 65694    | 20.132  | ug/l   | 100      |
| 71) Bromoform                 | 12.347 | 173  | 12483    | 22.590  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.463 | 105  | 104278   | 18.814  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.274 | 43   | 25961    | 21.699  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 20687    | 19.857  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.767 | 75   | 17067m   | 22.274  | ug/l   |          |
| 77) Bromobenzene              | 12.749 | 156  | 26178    | 20.050  | ug/l   | 95       |
| 78) n-propylbenzene           | 12.804 | 91   | 129049   | 18.540  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 12.889 | 91   | 74183    | 18.280  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.944 | 105  | 91311    | 18.694  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.511 | 75   | 6280     | 20.012  | ug/l   | 97       |
| 82) 4-Chlorotoluene           | 12.987 | 91   | 79511    | 18.719  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.200 | 119  | 77856    | 18.887  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 91909    | 19.278  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.383 | 105  | 116329   | 18.701  | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 13.499 | 119  | 103214   | 19.775  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.499 | 146  | 53045    | 19.238  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.578 | 146  | 51448    | 18.841  | ug/l   | 97       |
| 89) n-Butylbenzene            | 13.822 | 91   | 92306    | 18.493  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.090 | 117  | 17411    | 17.649  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 13.871 | 146  | 47445    | 19.943  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.480 | 75   | 3535     | 20.351  | ug/l   | 95       |
| 93) 1,2,4-Trichlorobenzene    | 15.127 | 180  | 31184    | 21.084  | ug/l   | 96       |
| 94) Hexachlorobutadiene       | 15.230 | 225  | 19846    | 22.327  | ug/l   | 99       |
| 95) Naphthalene               | 15.364 | 128  | 54897    | 21.327  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.547 | 180  | 27928    | 21.421  | ug/l   | 97       |

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Data File : VW020680.D  
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Operator : SY/VA  
Sample : VSTDIC020  
Misc : 5.00g/5mL/MSVOA\_W/SOIL  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

Manual Integrations  
APPROVED

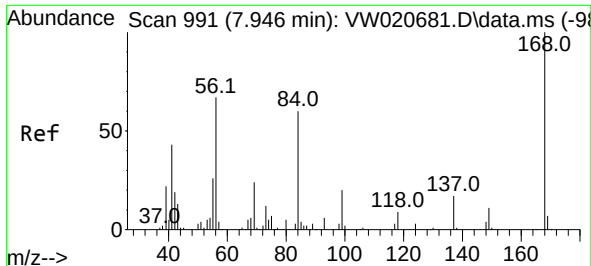
MMDadoda  
10/25/2021 11:56:08 AM

Quant Time: Oct 23 05:26:38 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W102221S.M  
Quant Title : SW846 8260  
QLast Update : Sat Oct 23 05:24:19 2021  
Response via : Initial Calibration

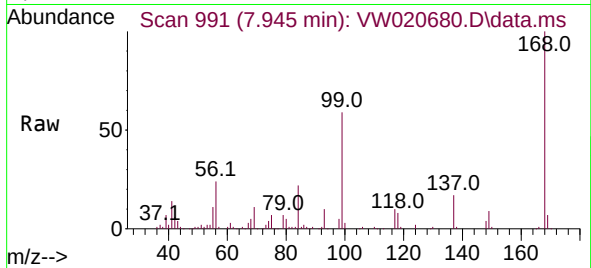
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

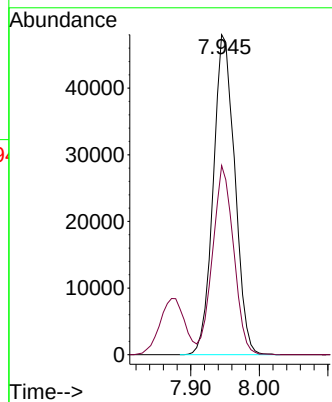
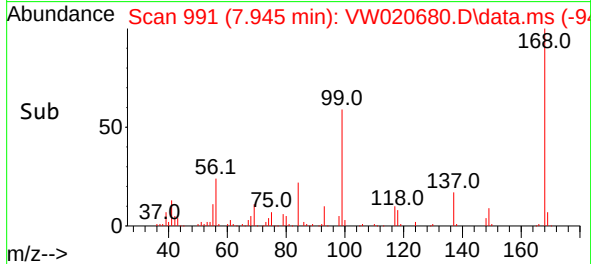




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.945 min Scan# 991  
Delta R.T. -0.001 min  
Lab File: VW020680.D  
Acq: 22 Oct 2021 13:36



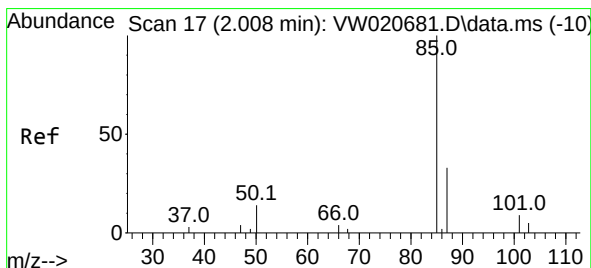
Tgt Ion: 168 Resp: 104792  
Ion Ratio Lower Upper  
168 100  
99 59.1 45.4 68.0



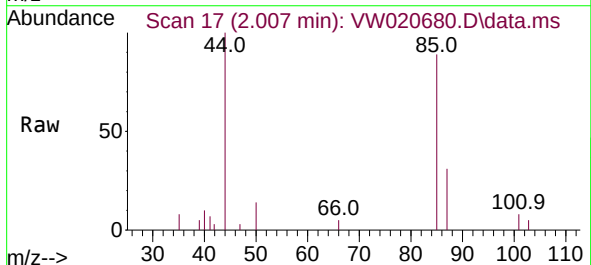
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

Manual Integrations  
APPROVED

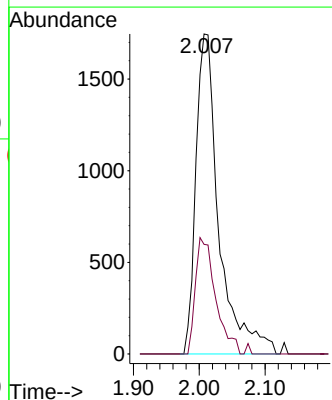
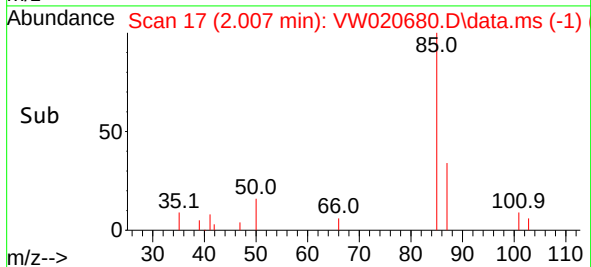
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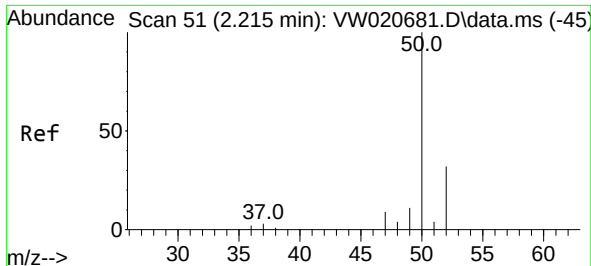


#2  
Dichlorodifluoromethane  
Concen: 7.433 ug/l  
RT: 2.007 min Scan# 17  
Delta R.T. -0.000 min  
Lab File: VW020680.D  
Acq: 22 Oct 2021 13:36

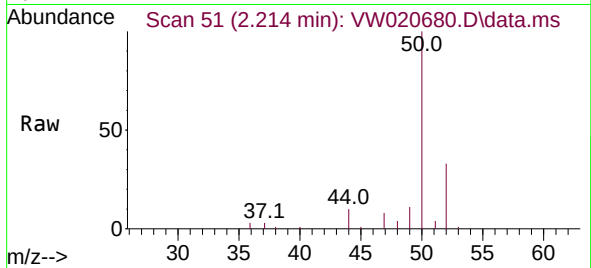


Tgt Ion: 85 Resp: 4236  
Ion Ratio Lower Upper  
85 100  
87 34.2 16.7 50.0

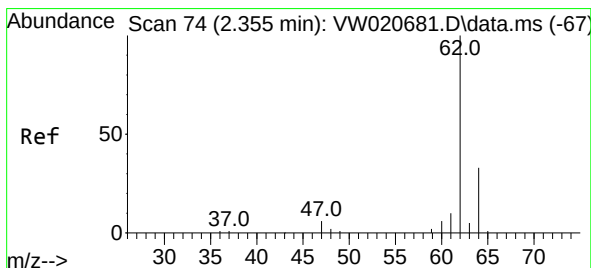
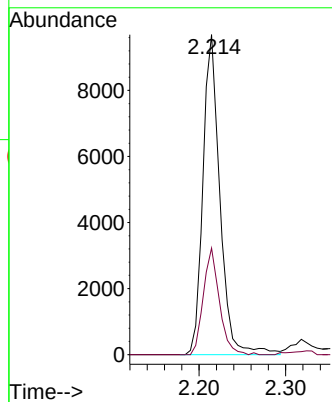
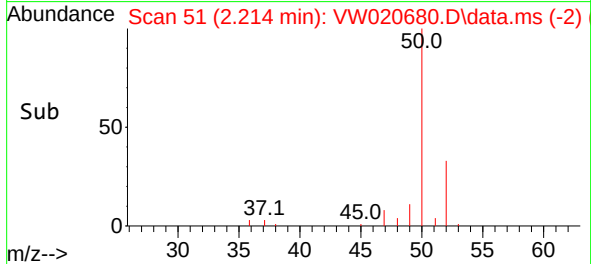




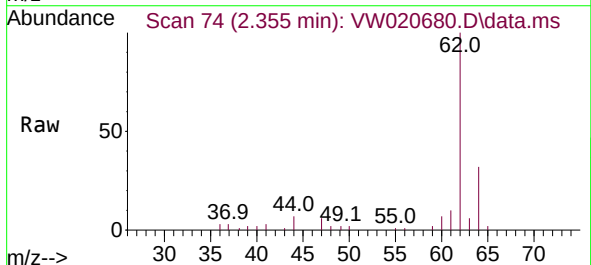
#3  
Chloromethane  
Concen: 14.520 ug/l  
RT: 2.214 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: VW020680.D  
Acq: 22 Oct 2021 13:36



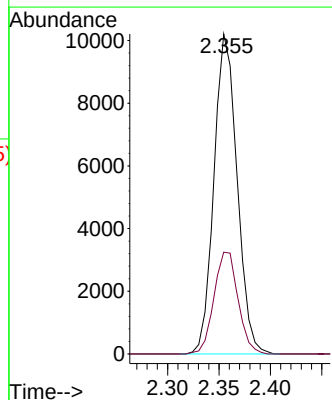
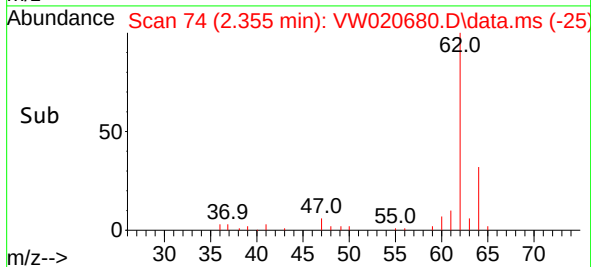
Tgt Ion: 50 Resp: 13212  
Ion Ratio Lower Upper  
50 100  
52 33.3 25.9 38.9



#4  
Vinyl Chloride  
Concen: 11.213 ug/l  
RT: 2.355 min Scan# 74  
Delta R.T. -0.000 min  
Lab File: VW020680.D  
Acq: 22 Oct 2021 13:36



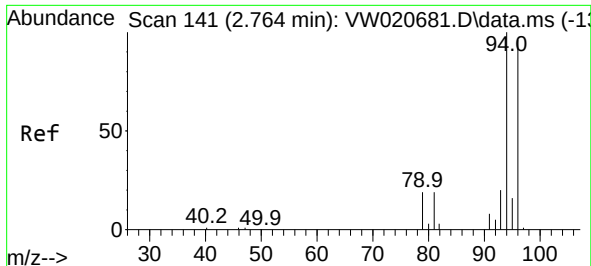
Tgt Ion: 62 Resp: 15955  
Ion Ratio Lower Upper  
62 100  
64 31.8 26.6 40.0



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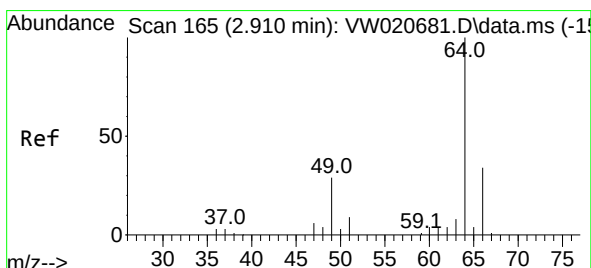
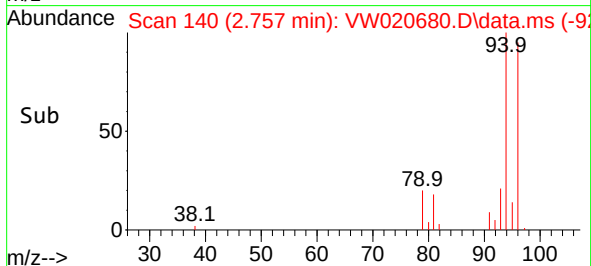
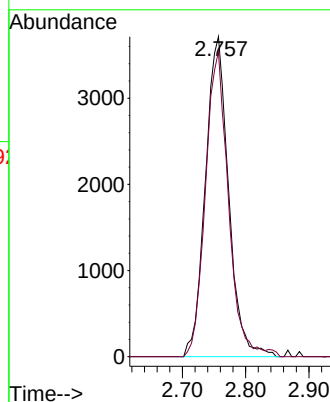
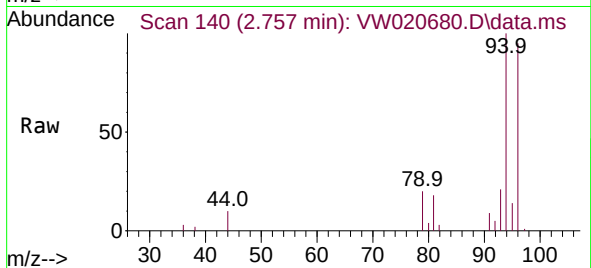
#5  
Bromomethane  
Concen: 8.496 ug/l  
RT: 2.757 min Scan# 140  
Delta R.T. -0.007 min  
Lab File: VW020680.D  
Acq: 22 Oct 2021 13:36

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

Tgt Ion: 94 Resp: 9497  
Ion Ratio Lower Upper  
94 100  
96 95.3 76.7 115.1

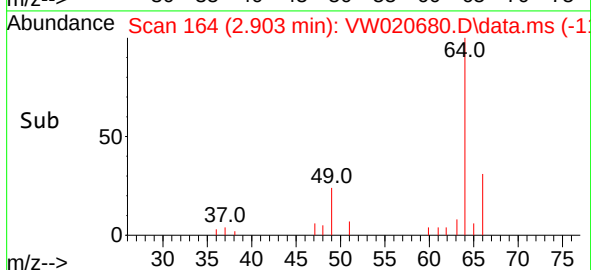
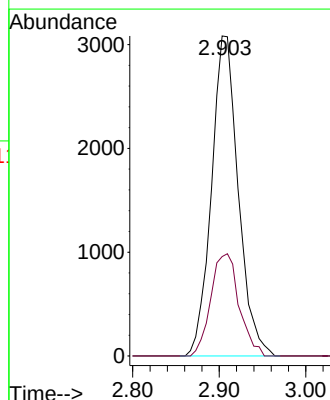
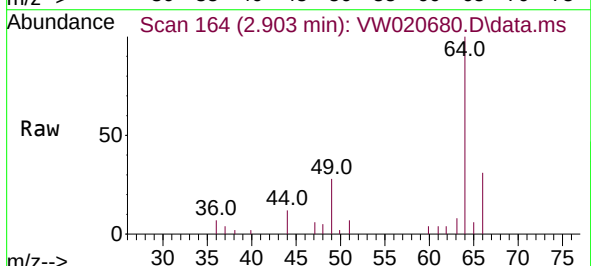
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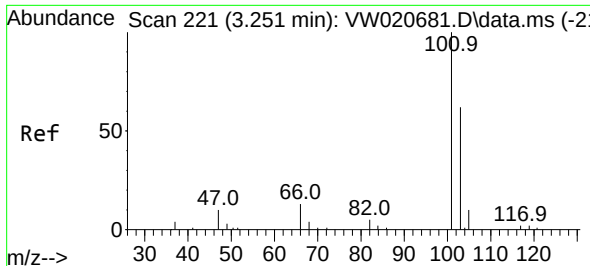
MMDadoda  
10/25/2021 11:56:08 AM



#6  
Chloroethane  
Concen: 7.131 ug/l  
RT: 2.903 min Scan# 164  
Delta R.T. -0.007 min  
Lab File: VW020680.D  
Acq: 22 Oct 2021 13:36

Tgt Ion: 64 Resp: 6635  
Ion Ratio Lower Upper  
64 100  
66 31.0 27.0 40.4





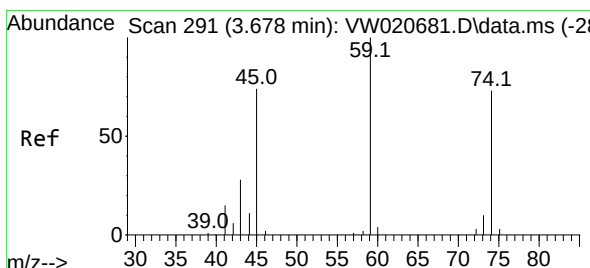
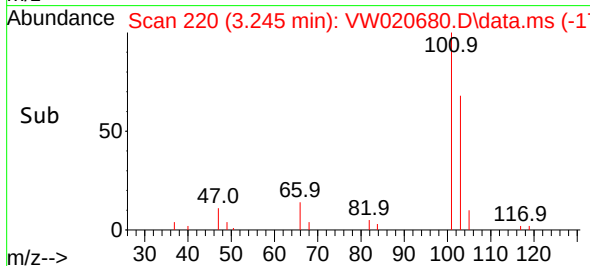
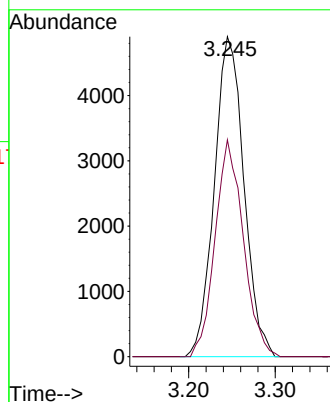
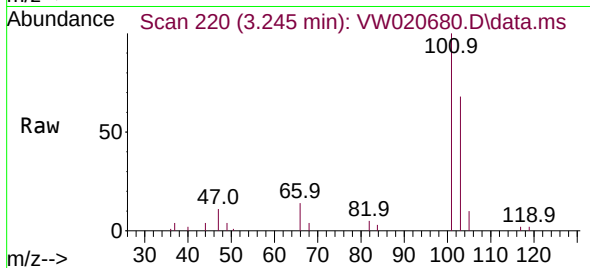
#7  
Trichlorofluoromethane  
Concen: 13.976 ug/l  
RT: 3.245 min Scan# 220  
Delta R.T. -0.007 min  
Lab File: VW020680.D  
Acq: 22 Oct 2021 13:36

Tgt Ion:101 Resp: 11628  
Ion Ratio Lower Upper  
101 100  
103 67.7 49.4 74.0

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

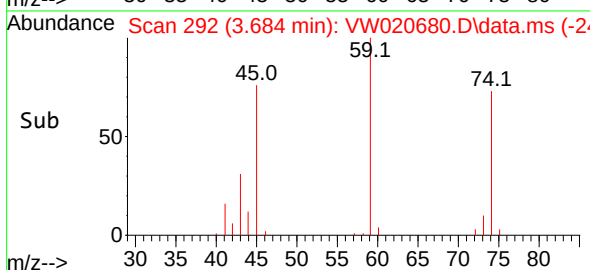
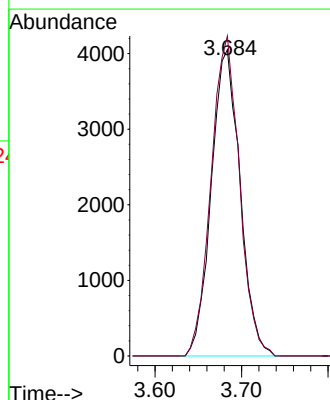
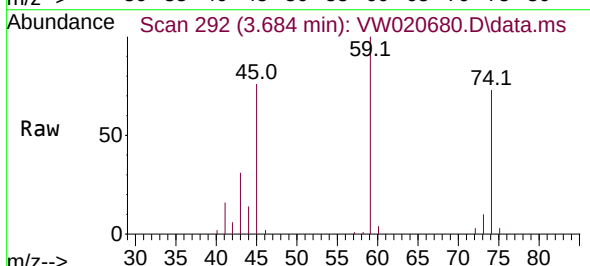
Manual Integrations  
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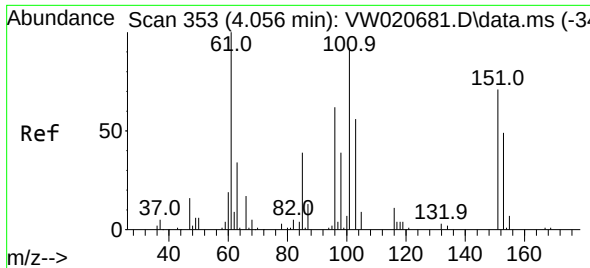


#8  
Diethyl Ether  
Concen: 17.641 ug/l  
RT: 3.684 min Scan# 292  
Delta R.T. 0.006 min  
Lab File: VW020680.D  
Acq: 22 Oct 2021 13:36

Tgt Ion: 74 Resp: 9342  
Ion Ratio Lower Upper  
74 100  
45 103.2 50.0 150.1







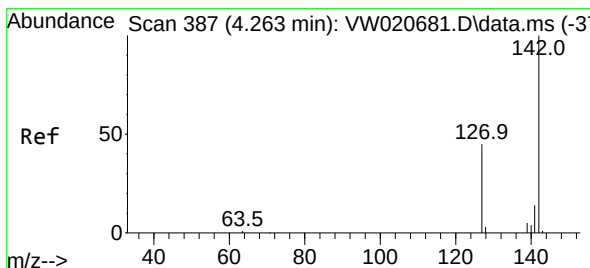
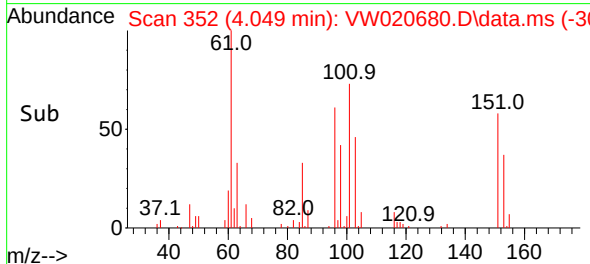
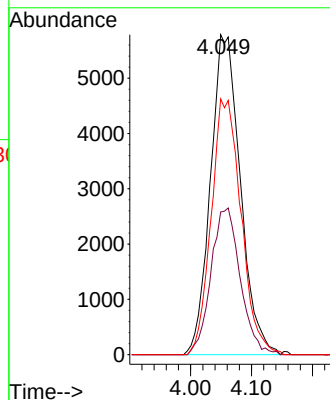
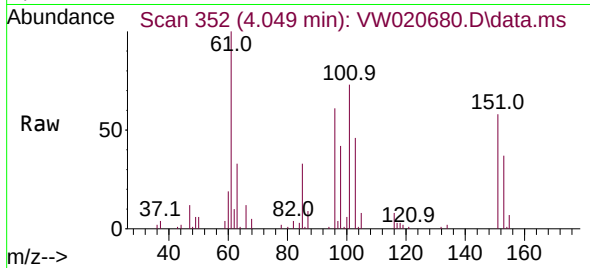
#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 17.528 ug/l  
RT: 4.049 min Scan# 352  
Delta R.T. -0.007 min  
Lab File: VW020680.D  
Acq: 22 Oct 2021 13:36

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 101   | Resp: | 19666 |
| Ion      | Ratio | Lower | Upper |
| 101      | 100   |       |       |
| 85       | 45.1  | 34.9  | 52.3  |
| 151      | 80.0  | 64.5  | 96.7  |

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

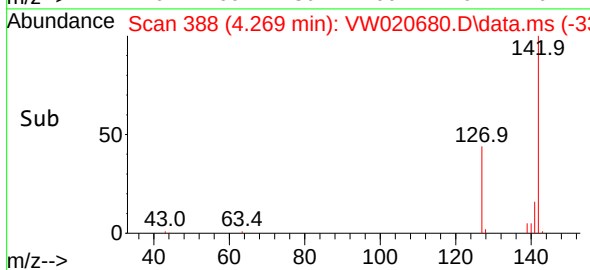
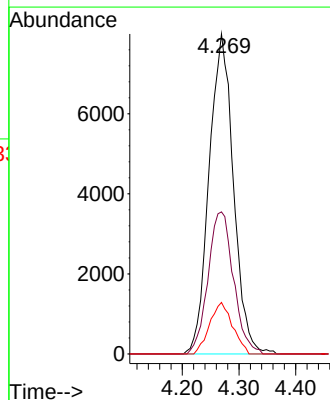
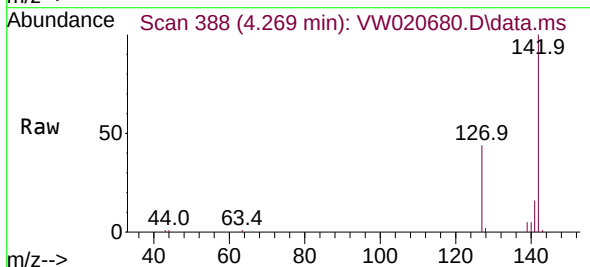
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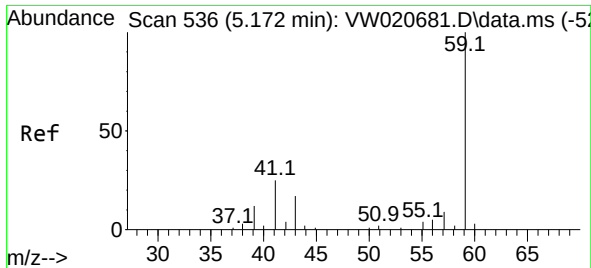
MMDadoda  
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#10  
Methyl Iodide  
Concen: 15.661 ug/l  
RT: 4.269 min Scan# 388  
Delta R.T. 0.006 min  
Lab File: VW020680.D  
Acq: 22 Oct 2021 13:36

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 142   | Resp: | 23815 |
| Ion      | Ratio | Lower | Upper |
| 142      | 100   |       |       |
| 127      | 46.4  | 35.8  | 53.6  |
| 141      | 15.1  | 11.8  | 17.6  |





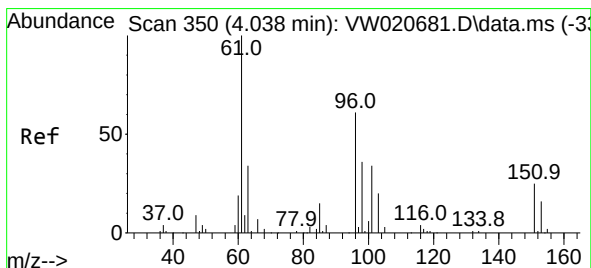
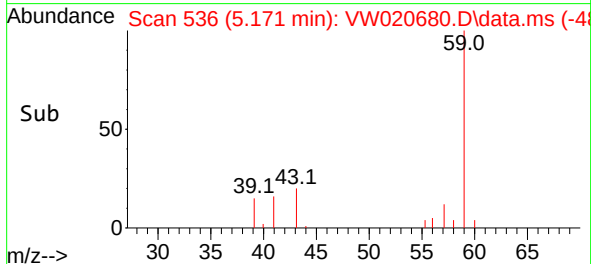
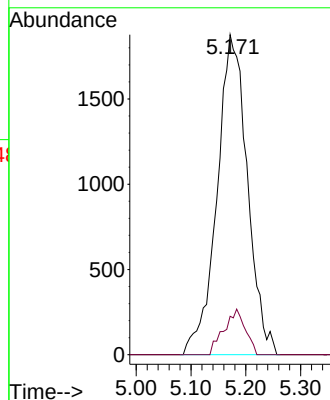
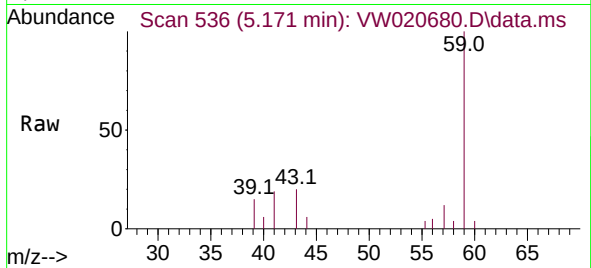
#11  
Tert butyl alcohol  
Concen: 117.086 ug/l  
RT: 5.171 min Scan# 536  
Delta R.T. -0.000 min  
Lab File: VW020680.D  
Acq: 22 Oct 2021 13:36

Instrument :  
MSVOA\_W  
ClientSampled :  
VSTDIC020

Tgt Ion: 59 Resp: 7228  
Ion Ratio Lower Upper  
59 100  
57 10.0 4.2 6.2#

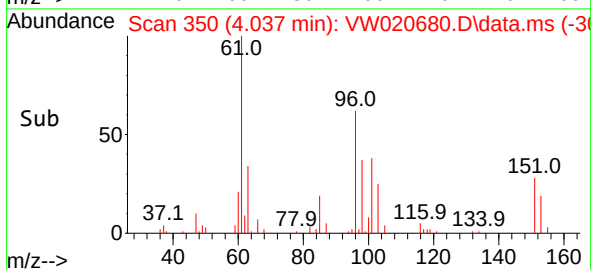
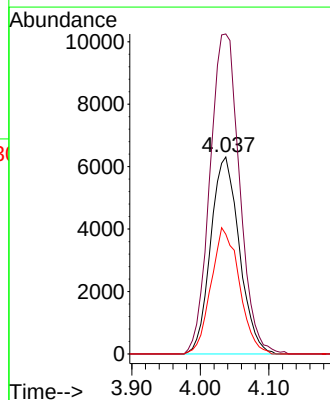
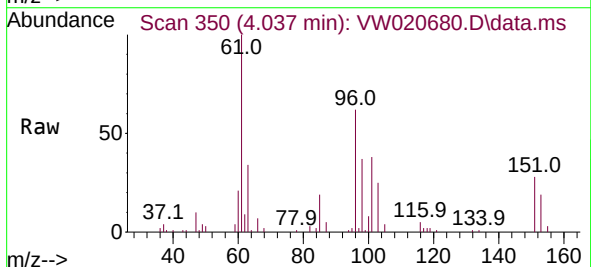
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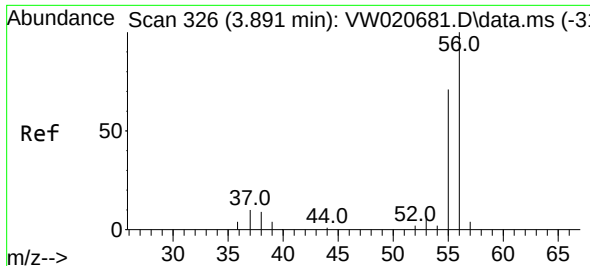
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#12  
1,1-Dichloroethene  
Concen: 17.384 ug/l  
RT: 4.037 min Scan# 350  
Delta R.T. -0.000 min  
Lab File: VW020680.D  
Acq: 22 Oct 2021 13:36

Tgt Ion: 96 Resp: 18306  
Ion Ratio Lower Upper  
96 100  
61 162.4 131.0 196.6  
98 60.7 47.8 71.6





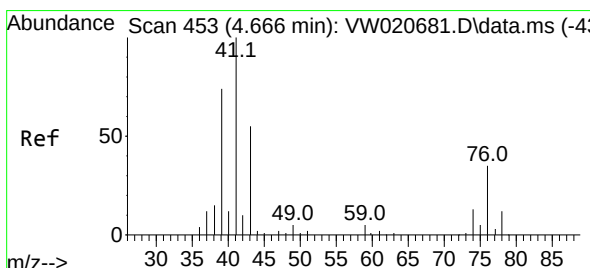
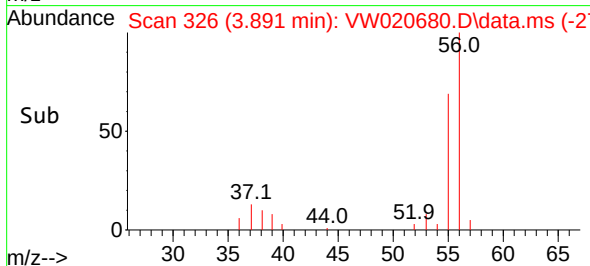
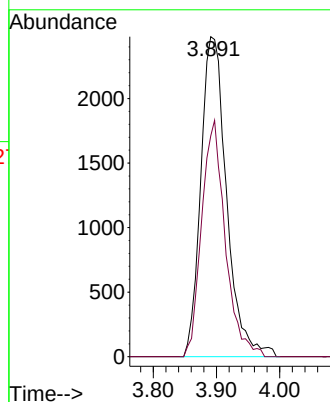
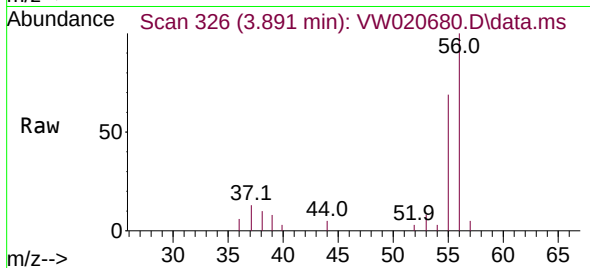
#13  
Acrolein  
Concen: 144.028 ug/l  
RT: 3.891 min Scan# 326  
Delta R.T. -0.000 min  
Lab File: VW020680.D  
Acq: 22 Oct 2021 13:36

Tgt Ion: 56 Resp: 7029  
Ion Ratio Lower Upper  
56 100  
55 67.6 55.5 83.3

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

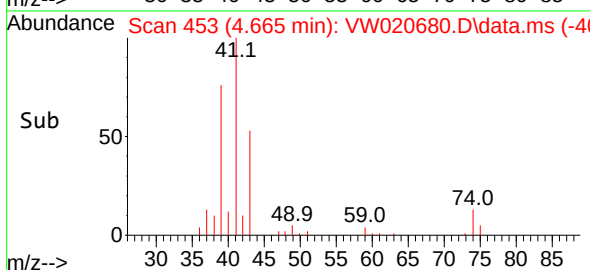
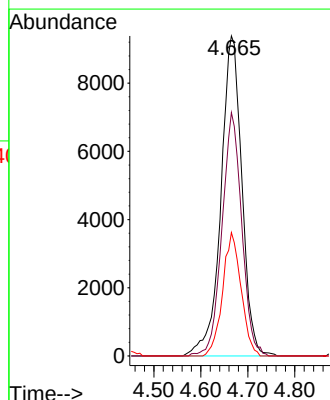
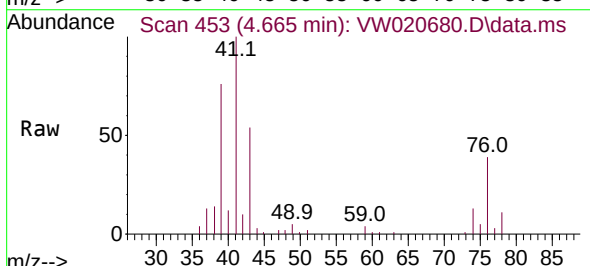
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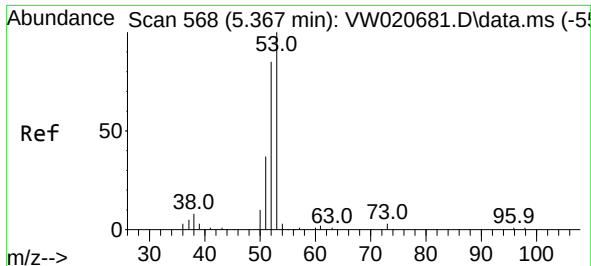
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#14  
Allyl chloride  
Concen: 19.639 ug/l  
RT: 4.665 min Scan# 453  
Delta R.T. -0.000 min  
Lab File: VW020680.D  
Acq: 22 Oct 2021 13:36

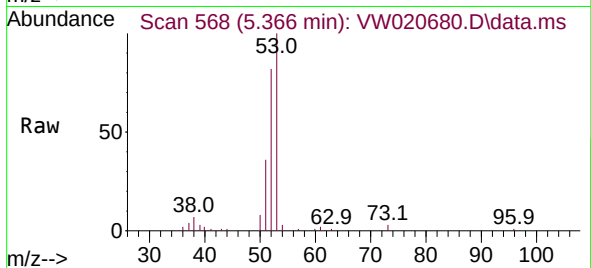
Tgt Ion: 41 Resp: 29096  
Ion Ratio Lower Upper  
41 100  
39 71.6 57.1 85.7  
76 33.9 27.1 40.7





#15  
Acrylonitrile  
Concen: 108.374 ug/l  
RT: 5.366 min Scan# 568  
Delta R.T. -0.000 min  
Lab File: VW020680.D  
Acq: 22 Oct 2021 13:36

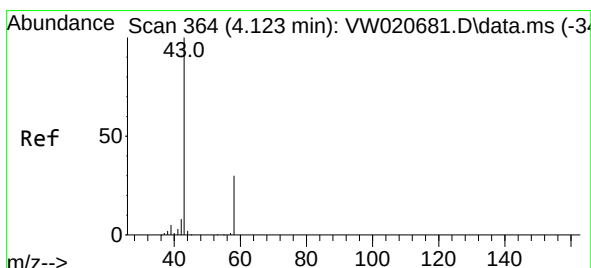
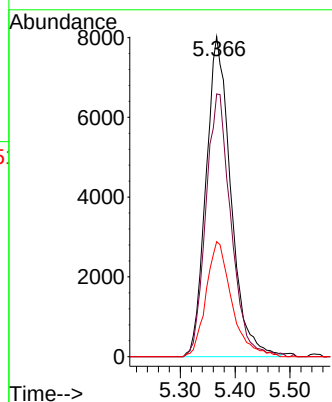
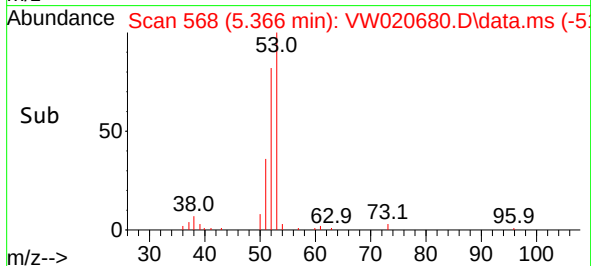
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020



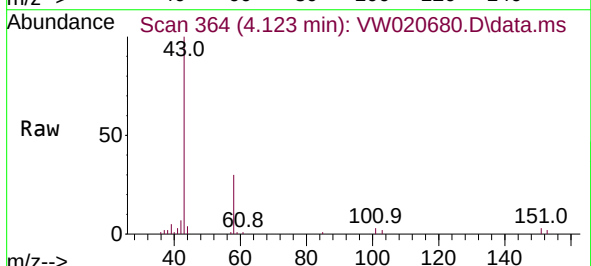
| Tgt Ion: | 53    | Resp: | 25233 |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 83.0  | 66.8  | 100.2 |
| 51       | 37.2  | 30.1  | 45.1  |

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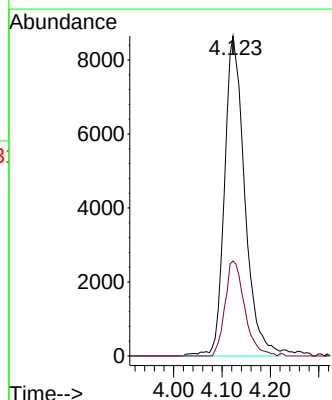
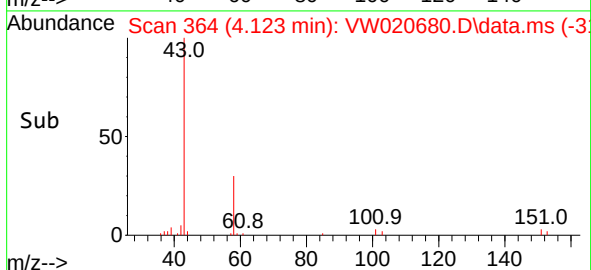
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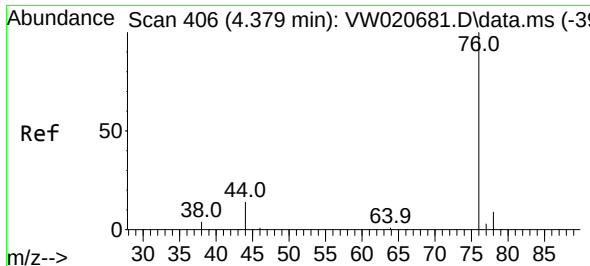


#16  
Acetone  
Concen: 115.468 ug/l  
RT: 4.123 min Scan# 364  
Delta R.T. -0.000 min  
Lab File: VW020680.D  
Acq: 22 Oct 2021 13:36

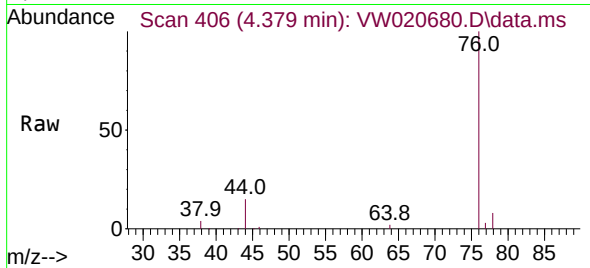


| Tgt Ion: | 43    | Resp: | 25146 |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 29.7  | 24.2  | 36.2  |

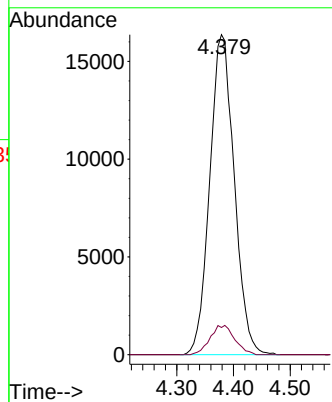
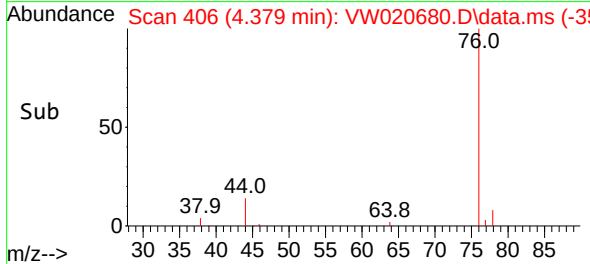




#17  
Carbon Disulfide  
Concen: 15.309 ug/l  
RT: 4.379 min Scan# 406  
Delta R.T. -0.000 min  
Lab File: VW020680.D  
Acq: 22 Oct 2021 13:36



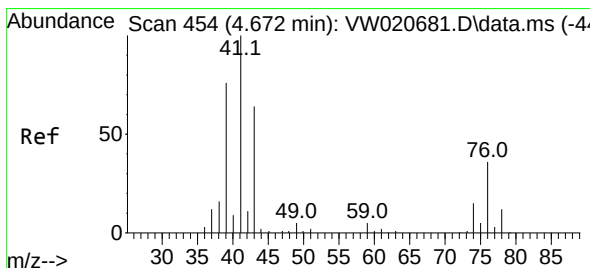
Tgt Ion: 76 Resp: 49149  
Ion Ratio Lower Upper  
76 100  
78 8.5 7.2 10.8



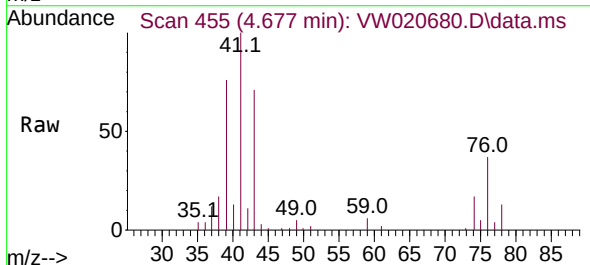
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

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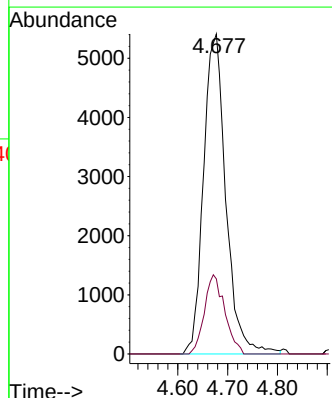
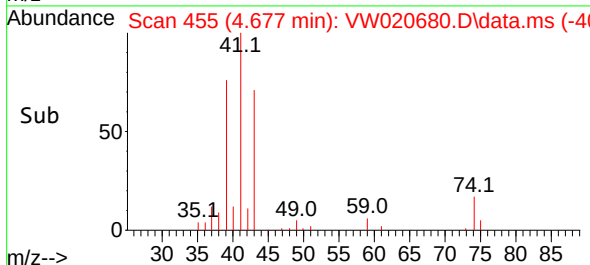
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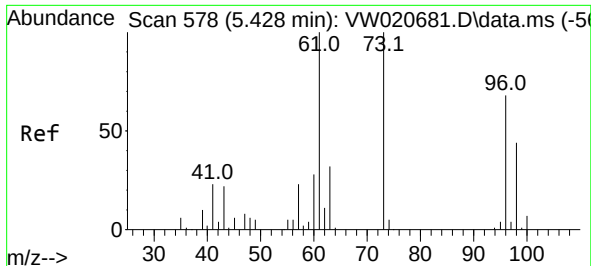


#18  
Methyl Acetate  
Concen: 27.280 ug/l  
RT: 4.677 min Scan# 455  
Delta R.T. 0.006 min  
Lab File: VW020680.D  
Acq: 22 Oct 2021 13:36



Tgt Ion: 43 Resp: 16846  
Ion Ratio Lower Upper  
43 100  
74 22.5 18.7 28.1





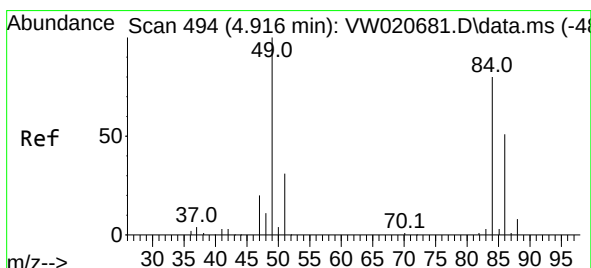
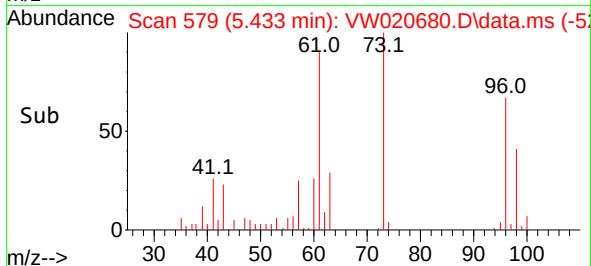
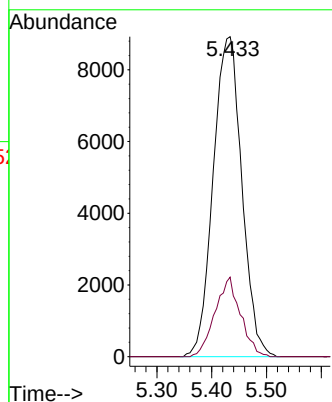
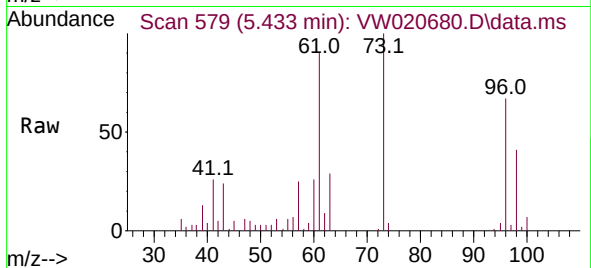
#19  
Methyl tert-butyl Ether  
Concen: 22.062 ug/l  
RT: 5.433 min Scan# 579  
Delta R.T. 0.006 min  
Lab File: VW020680.D  
Acq: 22 Oct 2021 13:36

Tgt Ion: 73 Resp: 32366  
Ion Ratio Lower Upper  
73 100  
57 24.9 18.2 27.4

Instrument :  
MSVOA\_W  
ClientSampled :  
VSTDIC020

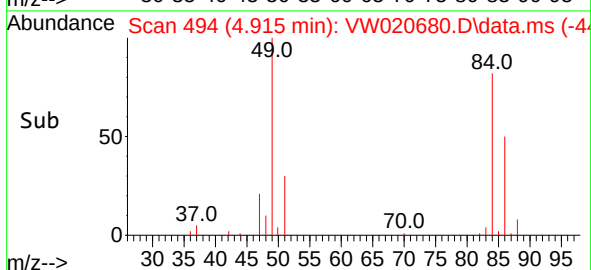
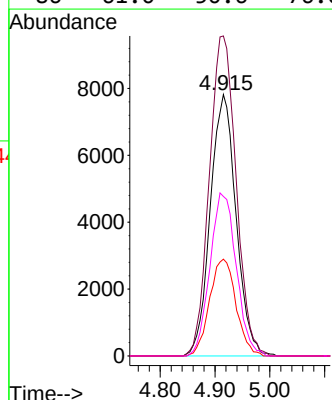
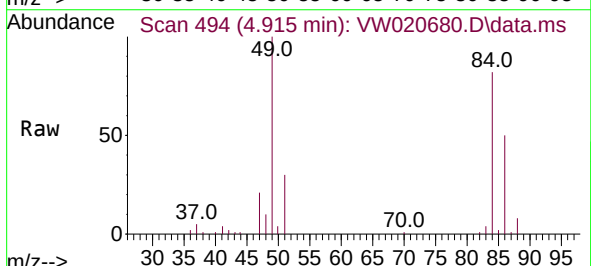
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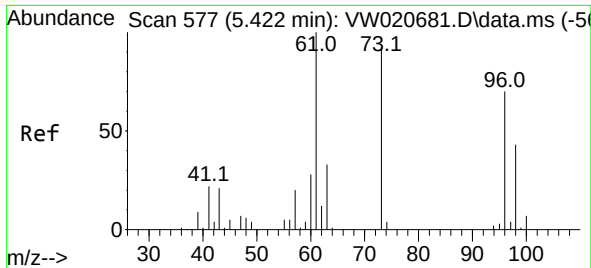
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#20  
Methylene Chloride  
Concen: 17.613 ug/l  
RT: 4.915 min Scan# 494  
Delta R.T. -0.000 min  
Lab File: VW020680.D  
Acq: 22 Oct 2021 13:36

Tgt Ion: 84 Resp: 25547  
Ion Ratio Lower Upper  
84 100  
49 122.4 100.0 150.0  
51 37.0 30.8 46.2  
86 61.0 50.6 76.0





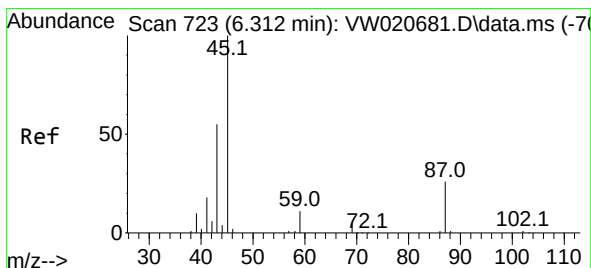
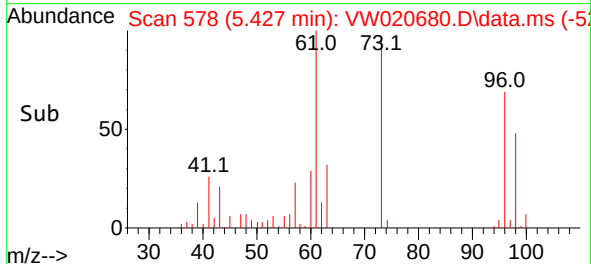
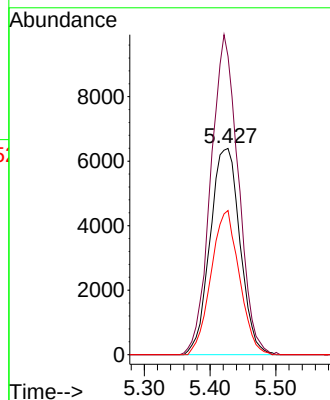
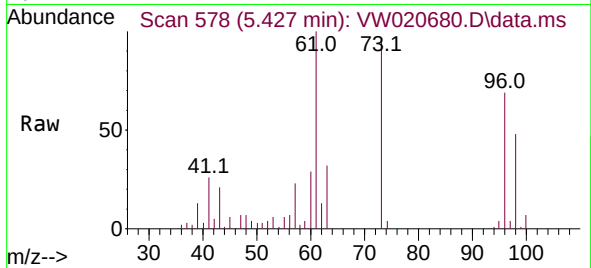
#21  
trans-1,2-Dichloroethene  
Concen: 16.922 ug/l  
RT: 5.427 min Scan# 578  
Delta R.T. 0.006 min  
Lab File: VW020680.D  
Acq: 22 Oct 2021 13:36

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 20233 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 144.6 | 113.5 | 170.3 |
| 98       | 69.9  | 48.6  | 72.8  |

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

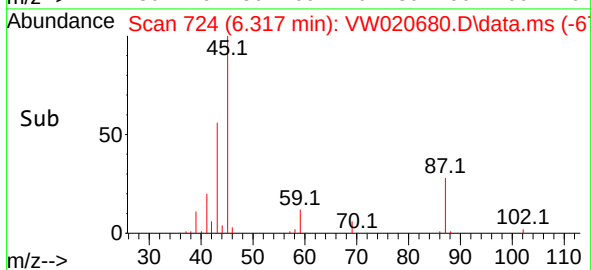
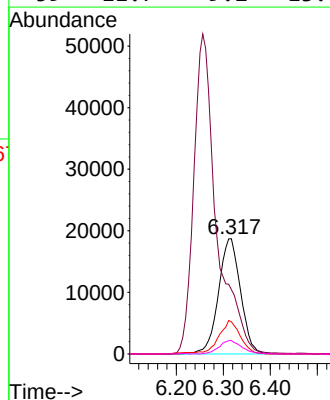
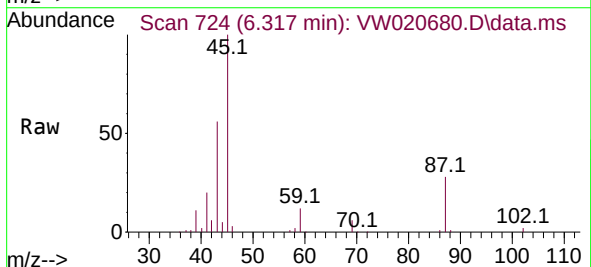
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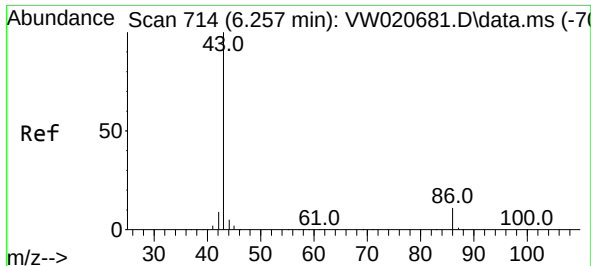
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#22  
Diisopropyl ether  
Concen: 19.668 ug/l  
RT: 6.317 min Scan# 724  
Delta R.T. 0.006 min  
Lab File: VW020680.D  
Acq: 22 Oct 2021 13:36

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 45    | Resp: | 60956 |
| Ion      | Ratio | Lower | Upper |
| 45       | 100   |       |       |
| 43       | 55.0  | 45.1  | 67.7  |
| 87       | 27.9  | 21.2  | 31.8  |
| 59       | 11.7  | 9.2   | 13.8  |





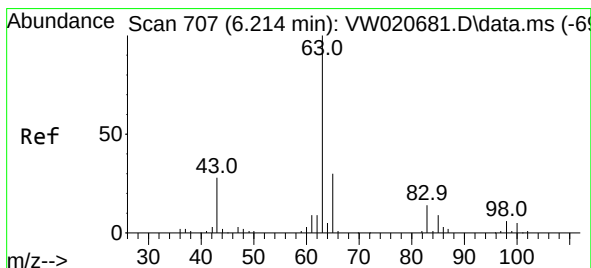
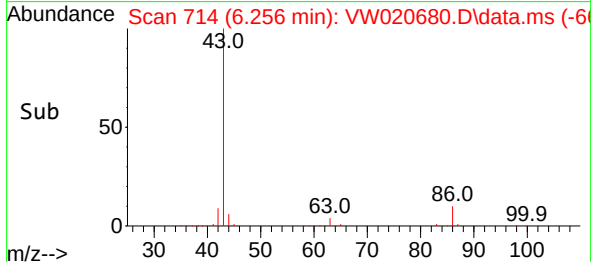
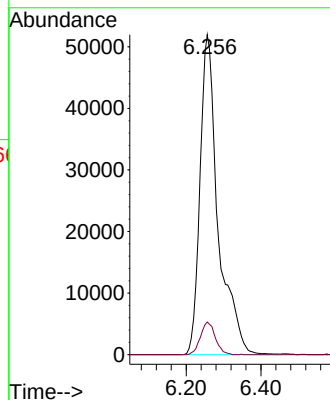
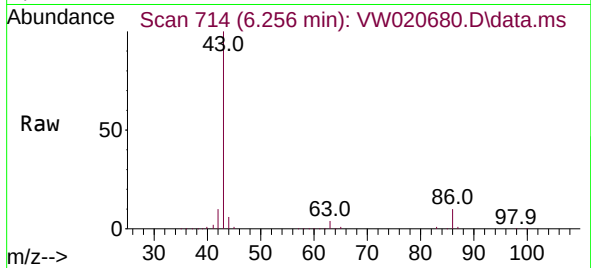
#23  
 Vinyl Acetate  
 Concen: 101.517 ug/l  
 RT: 6.256 min Scan# 714  
 Delta R.T. -0.000 min  
 Lab File: VW020680.D  
 Acq: 22 Oct 2021 13:36

Tgt Ion: 43 Resp: 174937  
 Ion Ratio Lower Upper  
 43 100  
 86 10.2 8.5 12.7

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC020

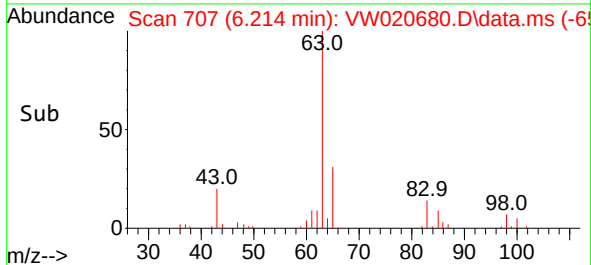
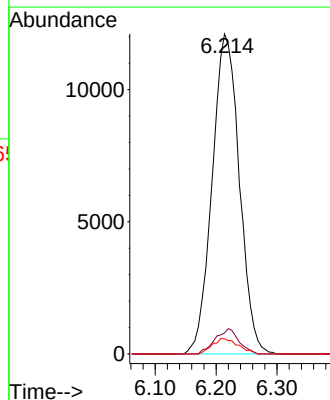
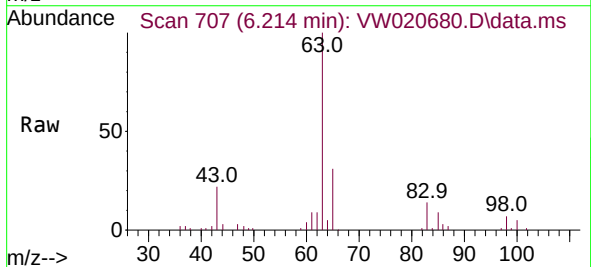
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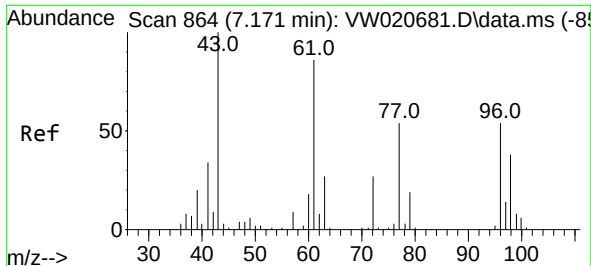


#24  
 1,1-Dichloroethane  
 Concen: 17.375 ug/l  
 RT: 6.214 min Scan# 707  
 Delta R.T. -0.000 min  
 Lab File: VW020680.D  
 Acq: 22 Oct 2021 13:36

Tgt Ion: 63 Resp: 37508  
 Ion Ratio Lower Upper  
 63 100  
 98 6.6 3.2 9.6  
 100 4.7 2.3 6.8







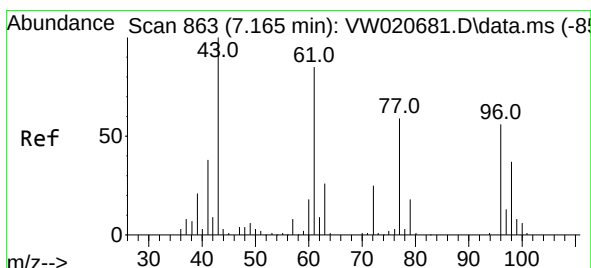
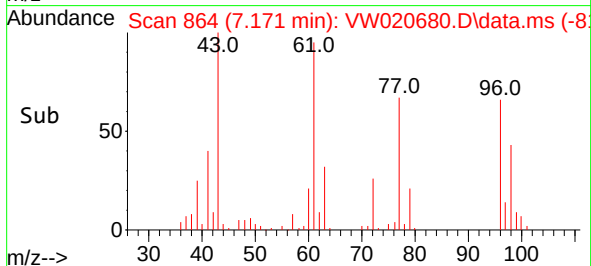
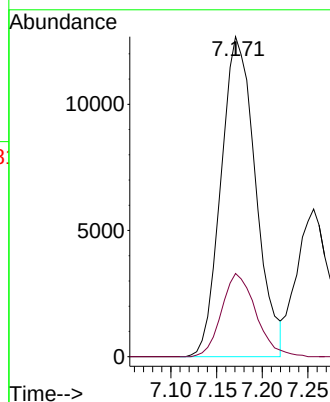
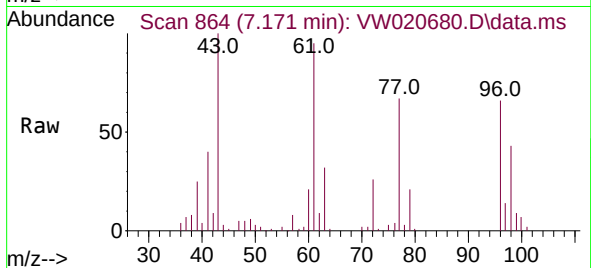
#25  
2-Butanone  
Concen: 111.497 ug/l  
RT: 7.171 min Scan# 864  
Delta R.T. -0.000 min  
Lab File: VW020680.D  
Acq: 22 Oct 2021 13:36

Tgt Ion: 43 Resp: 33399  
Ion Ratio Lower Upper  
43 100  
72 26.0 21.4 32.0

Instrument :  
MSVOA\_W  
ClientSampleId :  
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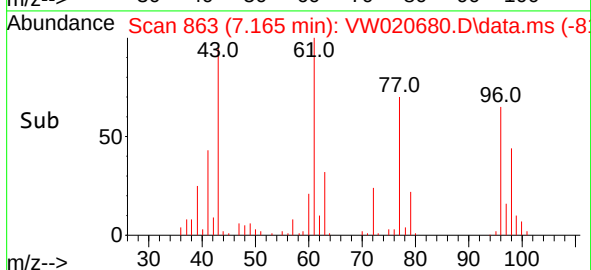
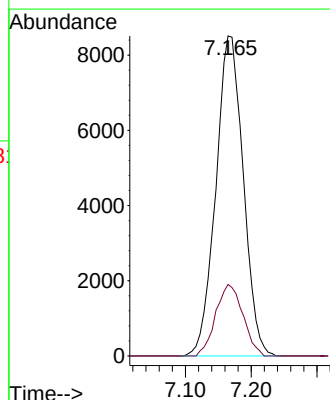
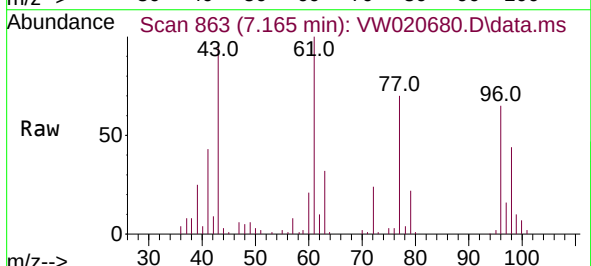
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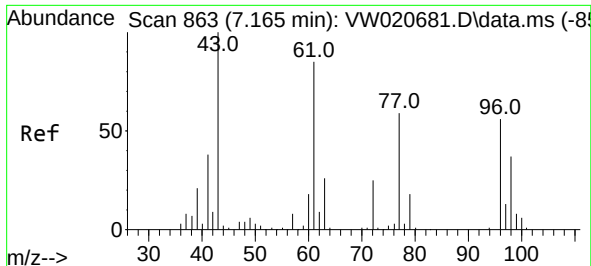
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#26  
2,2-Dichloropropane  
Concen: 18.647 ug/l  
RT: 7.165 min Scan# 863  
Delta R.T. -0.000 min  
Lab File: VW020680.D  
Acq: 22 Oct 2021 13:36

Tgt Ion: 77 Resp: 24715  
Ion Ratio Lower Upper  
77 100  
97 22.2 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 17.239 ug/l

RT: 7.171 min Scan# 864

Delta R.T. 0.006 min

Lab File: VW020680.D

Acq: 22 Oct 2021 13:36

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 21996 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 150.1 | 0.0   | 298.0 |
| 98       | 65.1  | 0.0   | 129.4 |

Instrument :

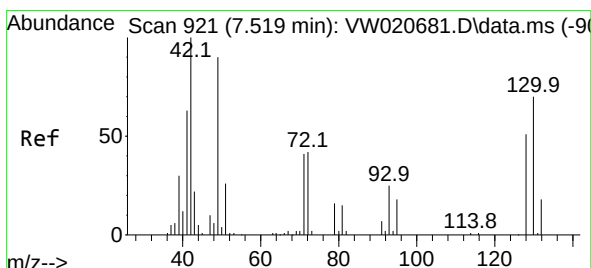
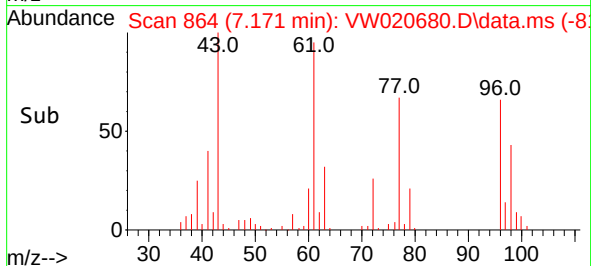
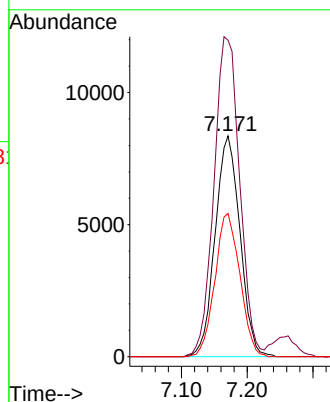
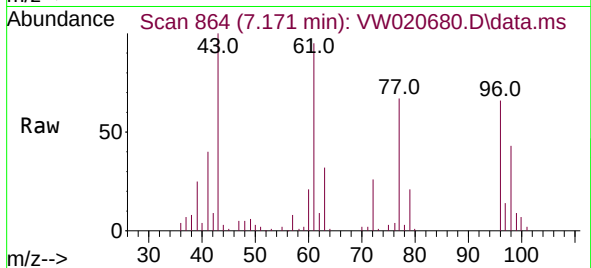
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#28

Bromochloromethane

Concen: 18.043 ug/l

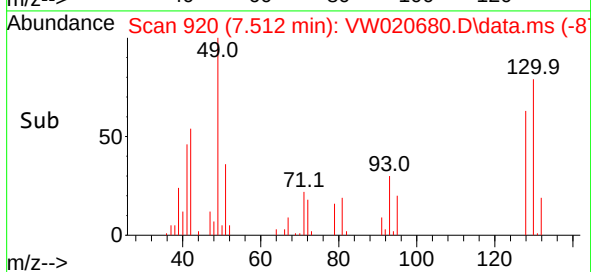
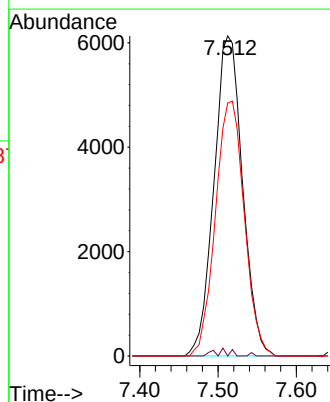
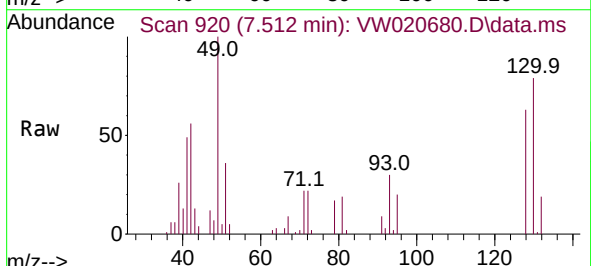
RT: 7.512 min Scan# 920

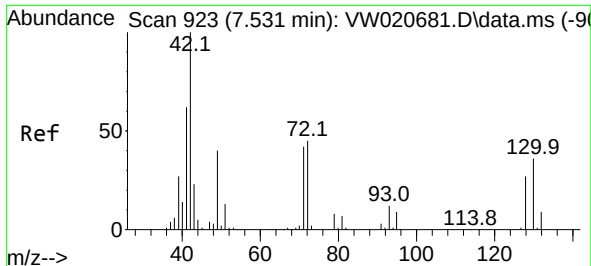
Delta R.T. -0.007 min

Lab File: VW020680.D

Acq: 22 Oct 2021 13:36

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 49    | Resp: | 15501 |
| Ion      | Ratio | Lower | Upper |
| 49       | 100   |       |       |
| 129      | 0.6   | 0.0   | 0.0#  |
| 130      | 80.6  | 63.0  | 94.6  |





#29

Tetrahydrofuran

Concen: 116.603 ug/l

RT: 7.531 min Scan# 923

Delta R.T. -0.000 min

Lab File: VW020680.D

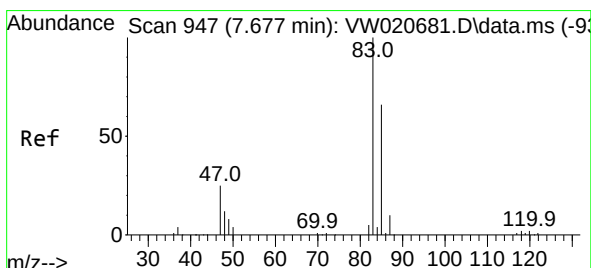
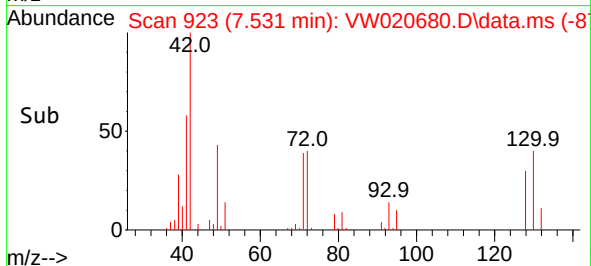
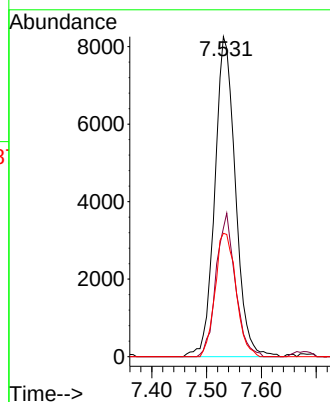
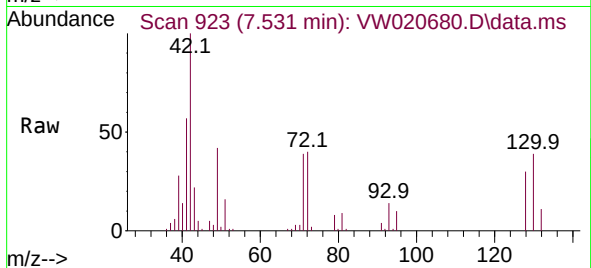
Acq: 22 Oct 2021 13:36

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 21590 |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 41.6  | 35.0  | 52.6  |
| 71       | 38.9  | 32.2  | 48.4  |

Instrument :  
MSVOA\_W  
ClientSampleId :  
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#30

Chloroform

Concen: 17.376 ug/l

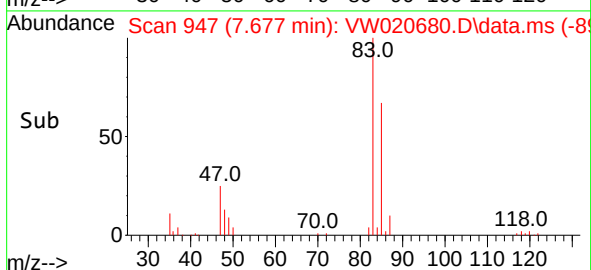
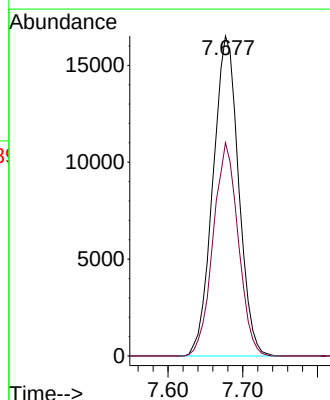
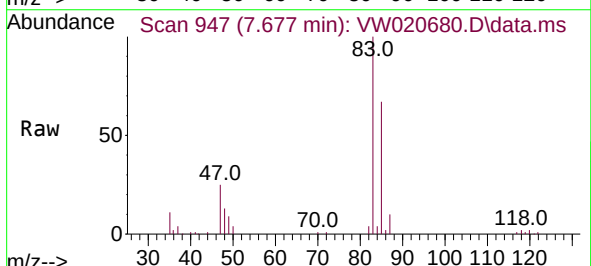
RT: 7.677 min Scan# 947

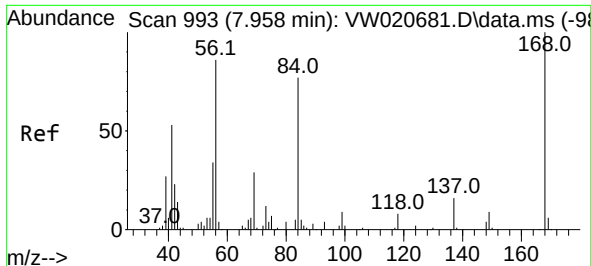
Delta R.T. -0.000 min

Lab File: VW020680.D

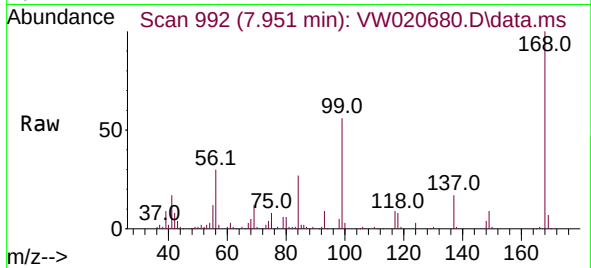
Acq: 22 Oct 2021 13:36

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 39417 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 66.7  | 52.9  | 79.3  |

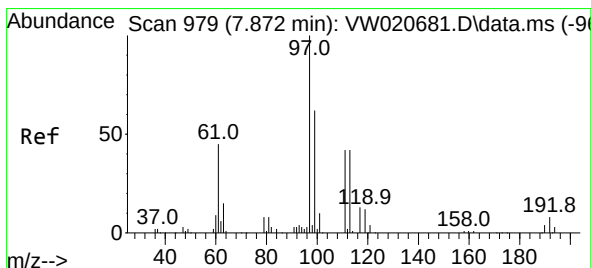
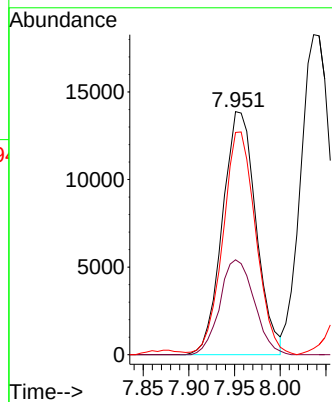
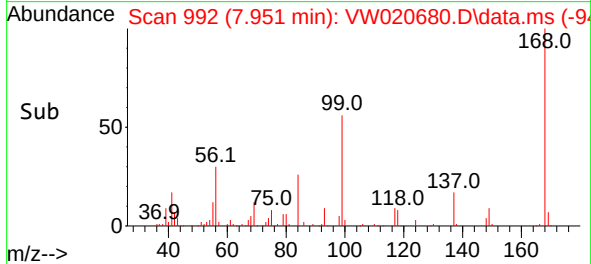




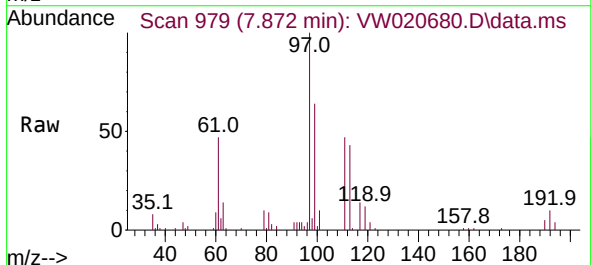
#31  
Cyclohexane  
Concen: 18.038 ug/l  
RT: 7.951 min Scan# 992  
Delta R.T. -0.007 min  
Lab File: VW020680.D  
Acq: 22 Oct 2021 13:36



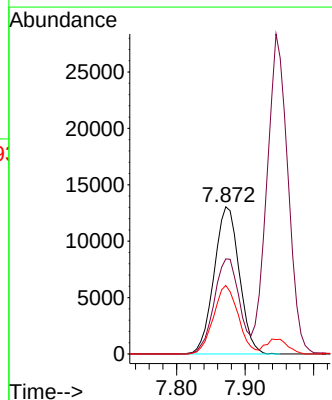
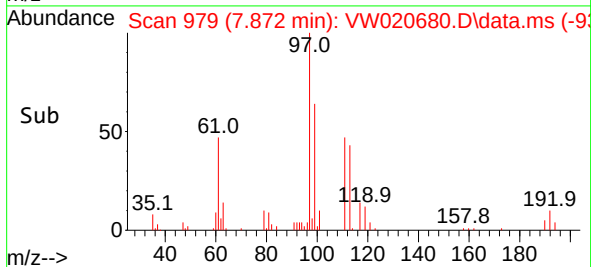
Tgt Ion: 56 Resp: 35517  
Ion Ratio Lower Upper  
56 100  
69 39.0 27.2 40.8  
84 90.3 71.8 107.6



#32  
1,1,1-Trichloroethane  
Concen: 17.999 ug/l  
RT: 7.872 min Scan# 979  
Delta R.T. -0.000 min  
Lab File: VW020680.D  
Acq: 22 Oct 2021 13:36



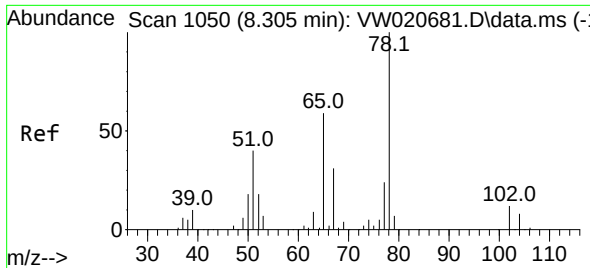
Tgt Ion: 97 Resp: 33269  
Ion Ratio Lower Upper  
97 100  
99 65.2 50.6 75.8  
61 45.9 36.6 55.0



Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

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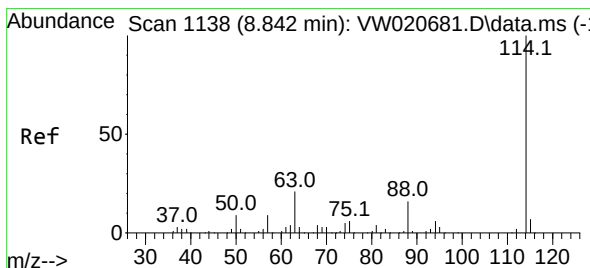
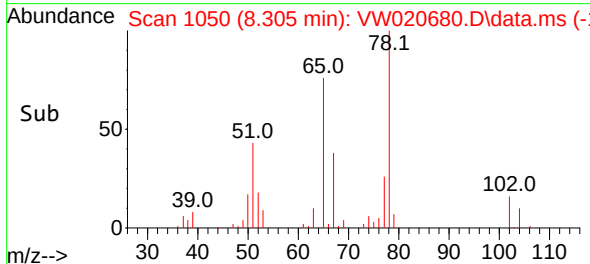
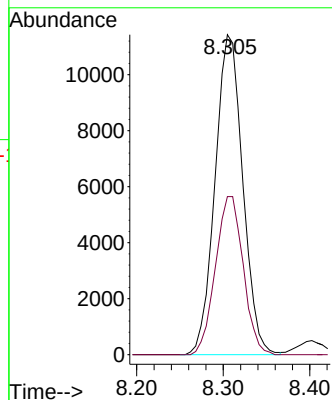
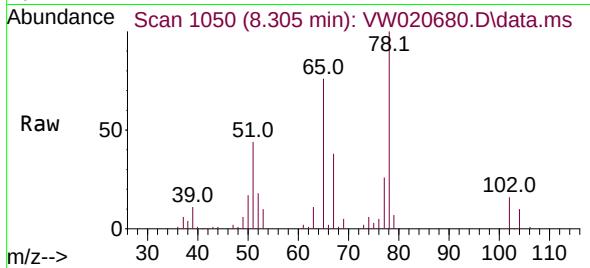
#33  
1,2-Dichloroethane-d4  
Concen: 20.901 ug/l  
RT: 8.305 min Scan# 1050  
Delta R.T. -0.000 min  
Lab File: VW020680.D  
Acq: 22 Oct 2021 13:36

Tgt Ion: 65 Resp: 25403  
Ion Ratio Lower Upper  
65 100  
67 49.5 0.0 102.2

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

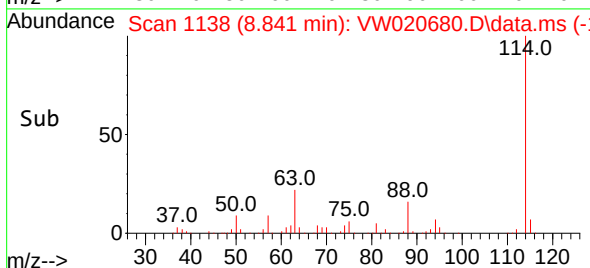
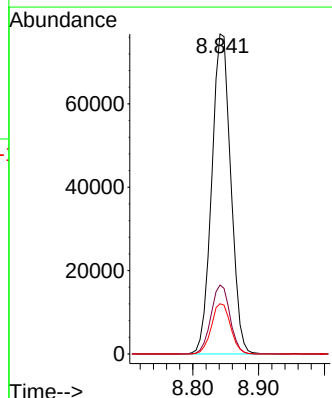
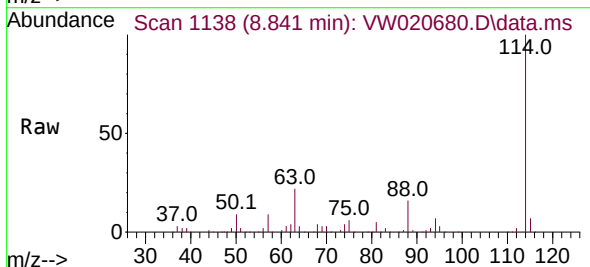
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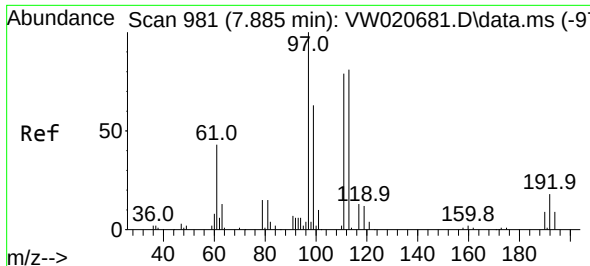
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#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.841 min Scan# 1138  
Delta R.T. -0.000 min  
Lab File: VW020680.D  
Acq: 22 Oct 2021 13:36

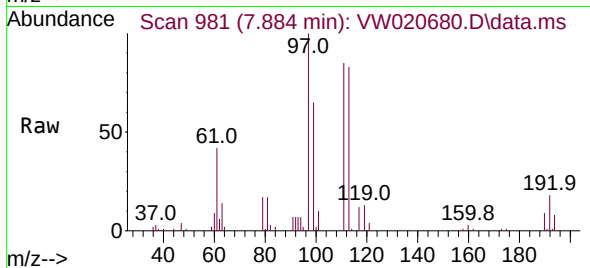
Tgt Ion: 114 Resp: 154631  
Ion Ratio Lower Upper  
114 100  
63 21.6 0.0 42.8  
88 15.7 0.0 33.0





#35  
Dibromofluoromethane  
Concen: 21.103 ug/l  
RT: 7.884 min Scan# 981  
Delta R.T. -0.000 min  
Lab File: VW020680.D  
Acq: 22 Oct 2021 13:36

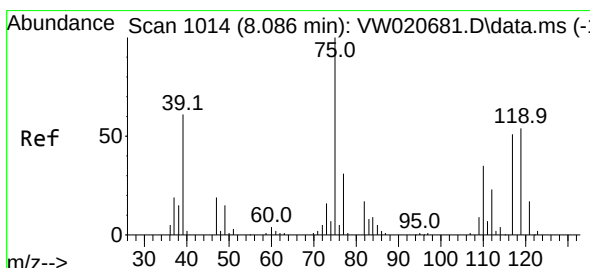
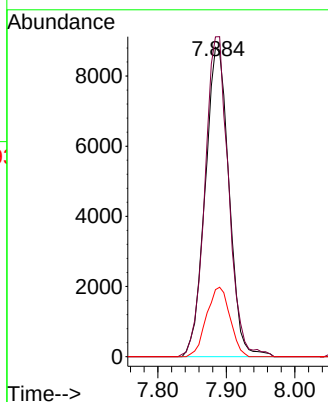
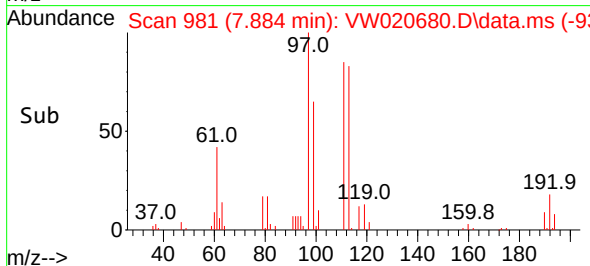
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020



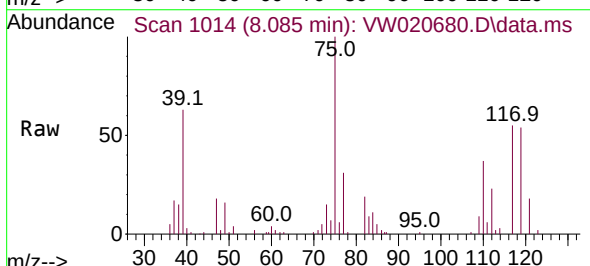
Tgt Ion: 113 Resp: 21359  
Ion Ratio Lower Upper  
113 100  
111 102.4 82.1 123.1  
192 22.0 17.8 26.8

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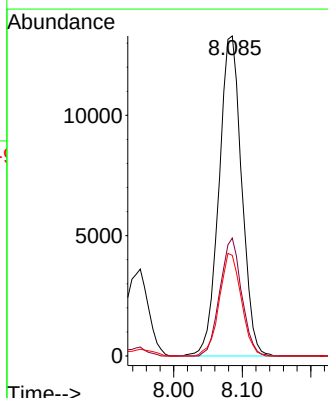
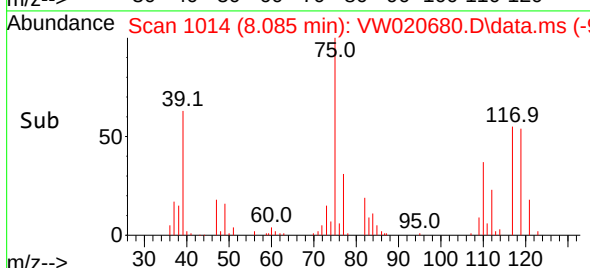
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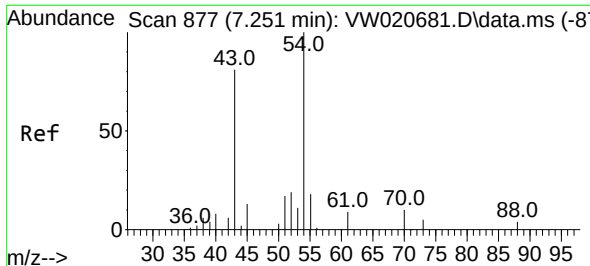


#36  
1,1-Dichloropropene  
Concen: 18.909 ug/l  
RT: 8.085 min Scan# 1014  
Delta R.T. -0.000 min  
Lab File: VW020680.D  
Acq: 22 Oct 2021 13:36



Tgt Ion: 75 Resp: 30540  
Ion Ratio Lower Upper  
75 100  
110 35.1 17.1 51.3  
77 31.1 24.9 37.3





#37

Ethyl Acetate

Concen: 24.235 ug/l

RT: 7.256 min Scan# 878

Delta R.T. 0.006 min

Lab File: VW020680.D

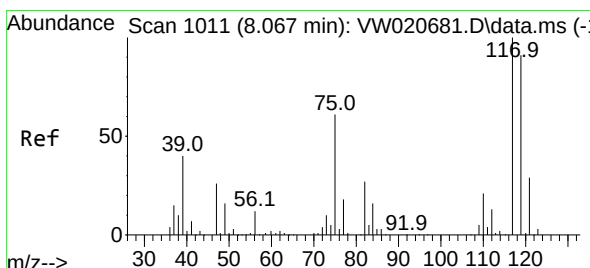
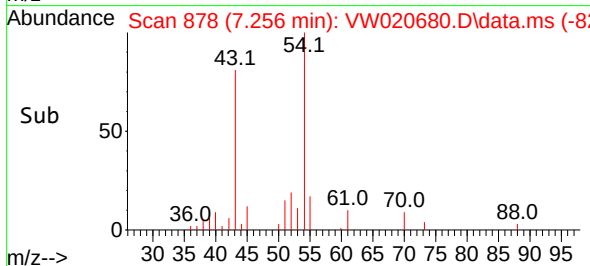
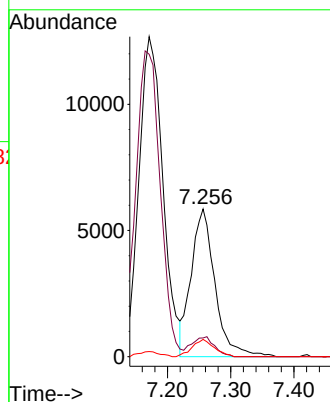
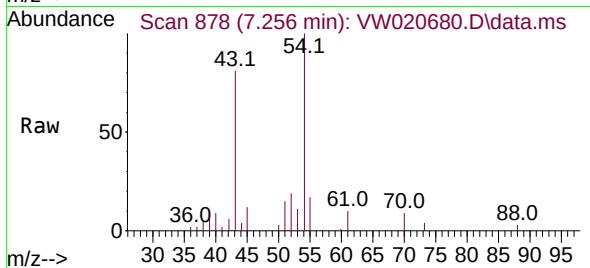
Acq: 22 Oct 2021 13:36

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 15386 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 12.7  | 10.3  | 15.5  |
| 70       | 10.7  | 8.8   | 13.2  |

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

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#38

Carbon Tetrachloride

Concen: 18.482 ug/l

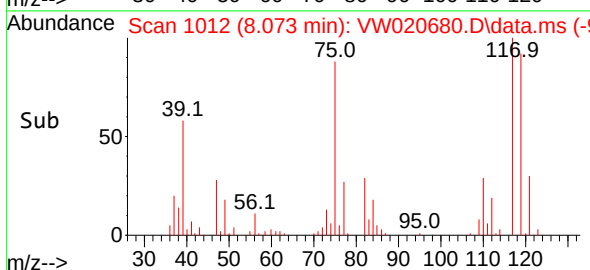
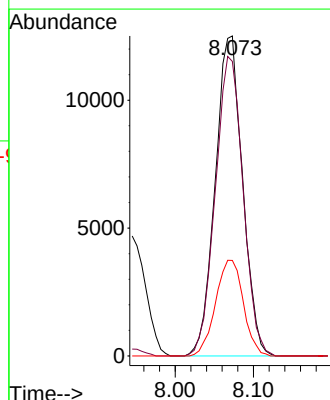
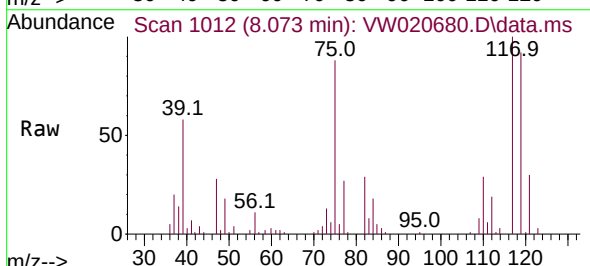
RT: 8.073 min Scan# 1012

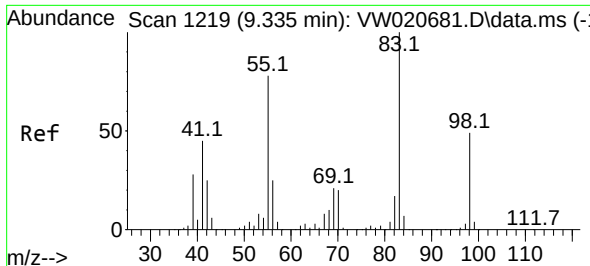
Delta R.T. 0.006 min

Lab File: VW020680.D

Acq: 22 Oct 2021 13:36

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 30327 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 92.1  | 72.9  | 109.3 |
| 121      | 29.9  | 23.4  | 35.0  |





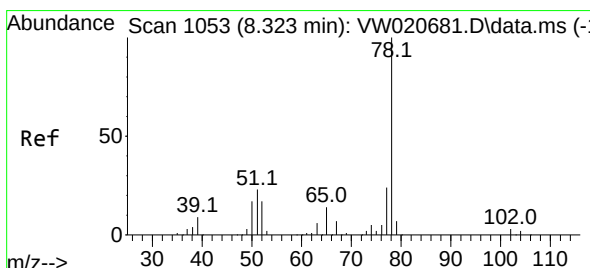
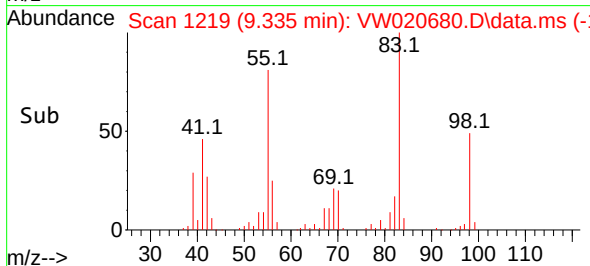
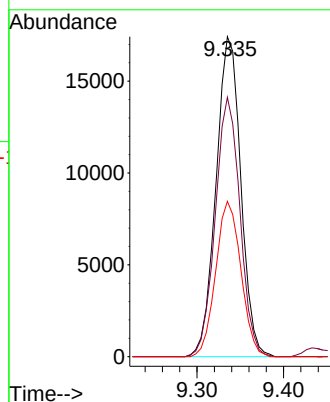
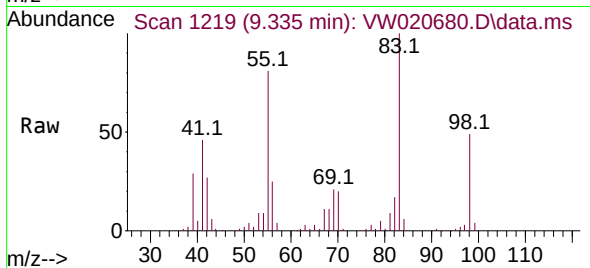
#39  
Methylcyclohexane  
Concen: 18.622 ug/l  
RT: 9.335 min Scan# 1219  
Delta R.T. -0.000 min  
Lab File: VW020680.D  
Acq: 22 Oct 2021 13:36

Tgt Ion: 83 Resp: 34677  
Ion Ratio Lower Upper  
83 100  
55 81.0 62.6 94.0  
98 48.5 38.8 58.2

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

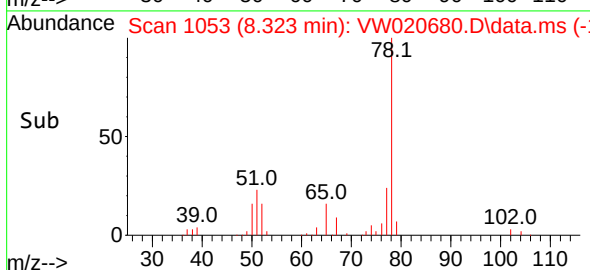
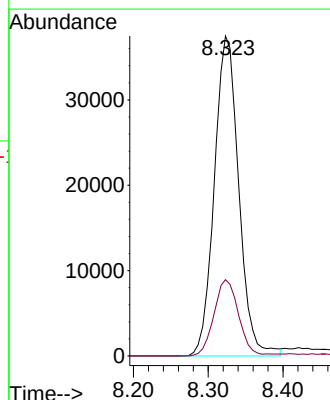
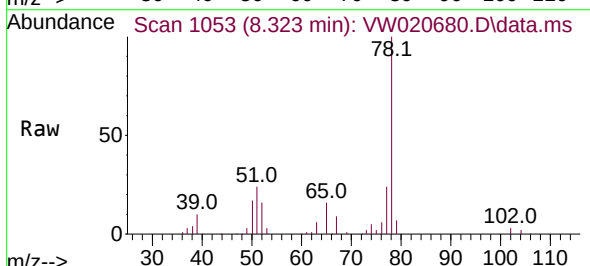
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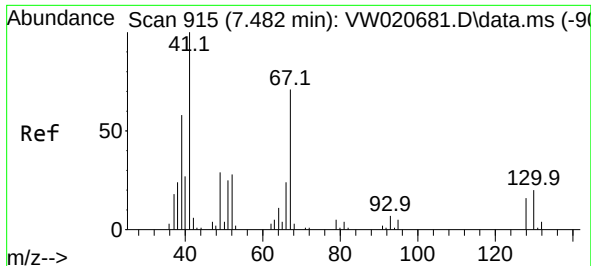


#40  
Benzene  
Concen: 19.218 ug/l  
RT: 8.323 min Scan# 1053  
Delta R.T. -0.000 min  
Lab File: VW020680.D  
Acq: 22 Oct 2021 13:36

Tgt Ion: 78 Resp: 85289  
Ion Ratio Lower Upper  
78 100  
77 23.8 19.0 28.6

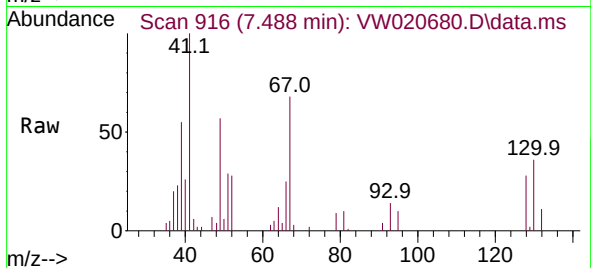






#41  
Methacrylonitrile  
Concen: 23.229 ug/l  
RT: 7.488 min Scan# 916  
Delta R.T. 0.006 min  
Lab File: VW020680.D  
Acq: 22 Oct 2021 13:36

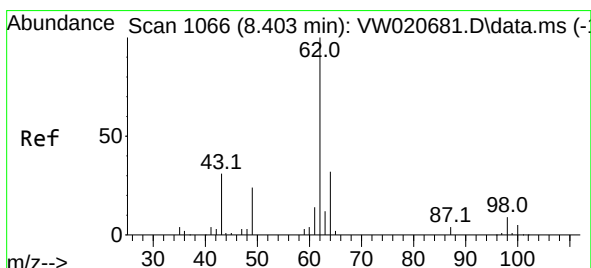
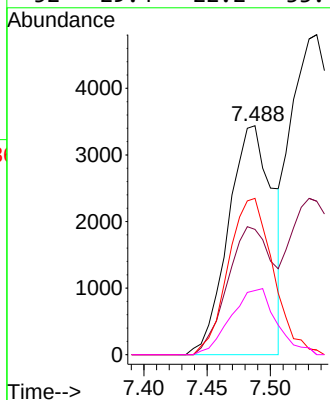
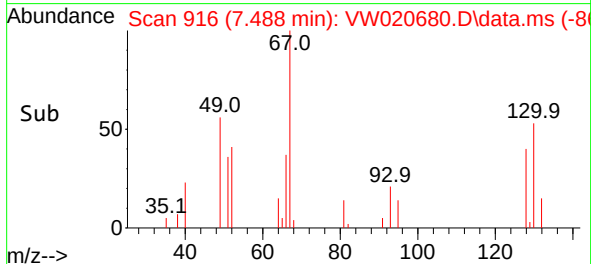
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020



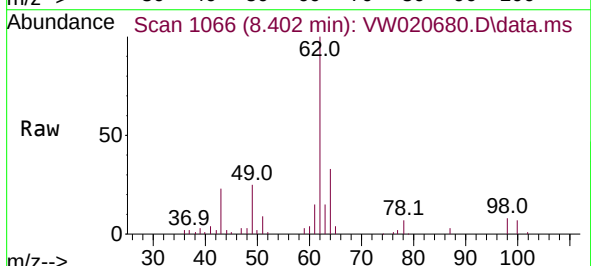
| Tgt Ion:  | 41    | Resp: | 8421 |
|-----------|-------|-------|------|
| Ion Ratio | Lower | Upper |      |
| 41        | 100   |       |      |
| 39        | 56.8  | 44.3  | 66.5 |
| 67        | 68.9  | 50.9  | 76.3 |
| 52        | 29.4  | 22.2  | 33.4 |

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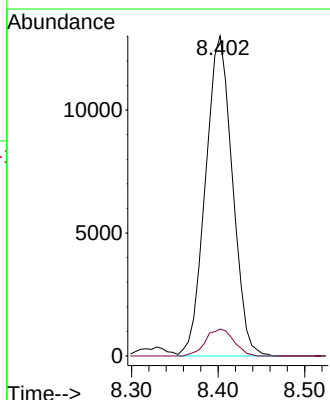
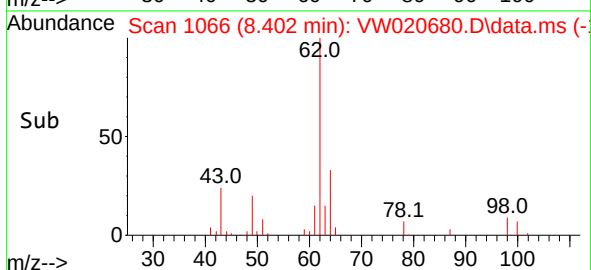
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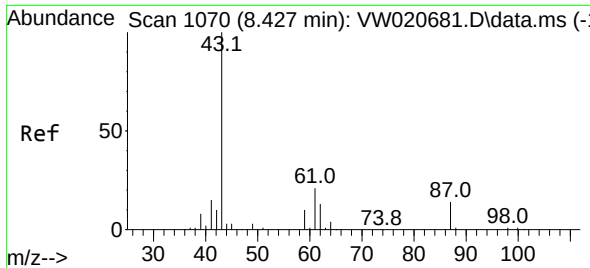


#42  
1,2-Dichloroethane  
Concen: 20.321 ug/l  
RT: 8.402 min Scan# 1066  
Delta R.T. -0.000 min  
Lab File: VW020680.D  
Acq: 22 Oct 2021 13:36



| Tgt Ion:  | 62    | Resp: | 28056 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 62        | 100   |       |       |
| 98        | 8.8   | 0.0   | 17.8  |





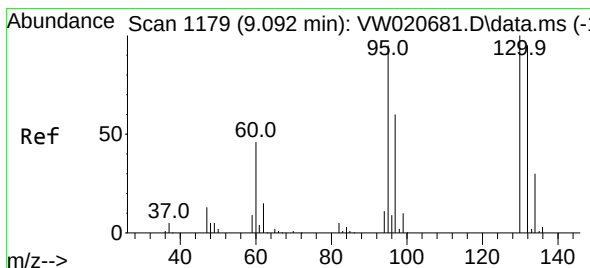
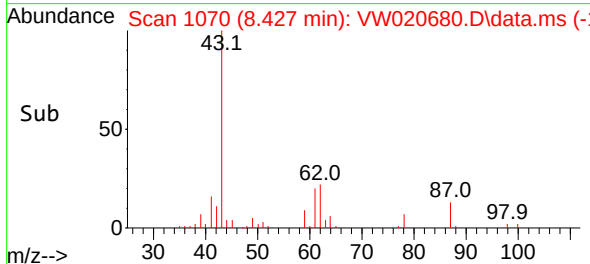
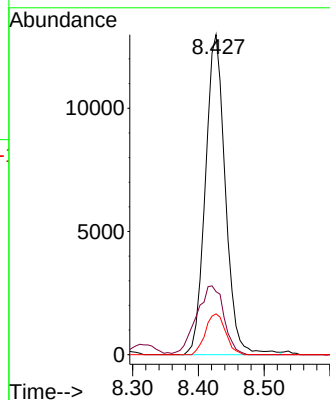
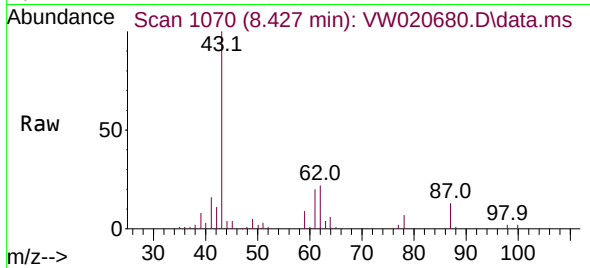
#43  
Isopropyl Acetate  
Concen: 22.938 ug/l  
RT: 8.427 min Scan# 1070  
Delta R.T. -0.000 min  
Lab File: VW020680.D  
Acq: 22 Oct 2021 13:36

|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 27375 |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 61 29.5     | 23.3 34.9   |
| 87 12.9     | 10.4 15.6   |

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

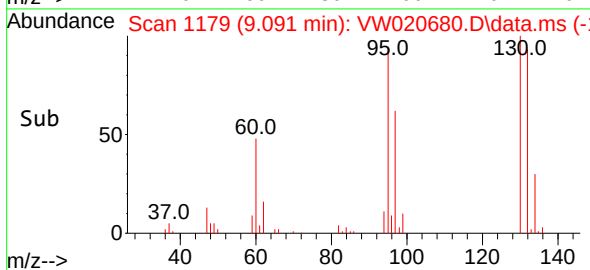
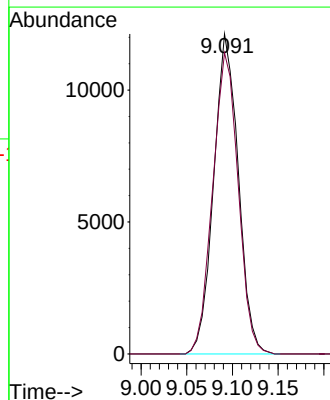
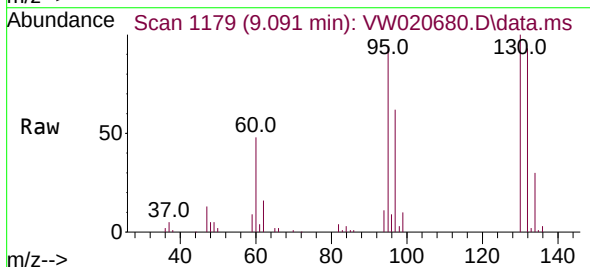
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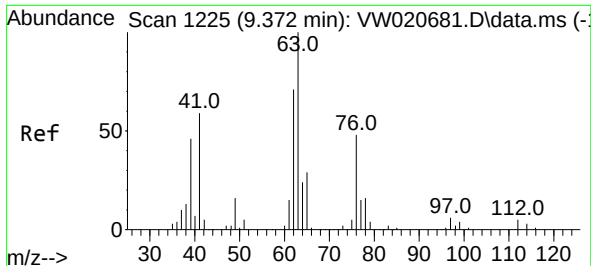
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#44  
Trichloroethene  
Concen: 19.334 ug/l  
RT: 9.091 min Scan# 1179  
Delta R.T. -0.000 min  
Lab File: VW020680.D  
Acq: 22 Oct 2021 13:36

|             |             |       |  |
|-------------|-------------|-------|--|
| Tgt Ion:130 | Resp: 22675 |       |  |
| Ion Ratio   | Lower       | Upper |  |
| 130 100     |             |       |  |
| 95 94.1     | 0.0         | 189.2 |  |





#45

1,2-Dichloropropane

Concen: 18.901 ug/l

RT: 9.366 min Scan# 1224

Delta R.T. -0.007 min

Lab File: VW020680.D

Acq: 22 Oct 2021 13:36

Tgt Ion: 63 Resp: 20396

Ion Ratio Lower Upper

63 100

65 29.0 23.7 35.5

Instrument :

MSVOA\_W

ClientSampled :

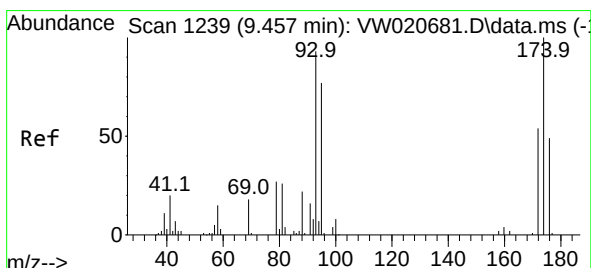
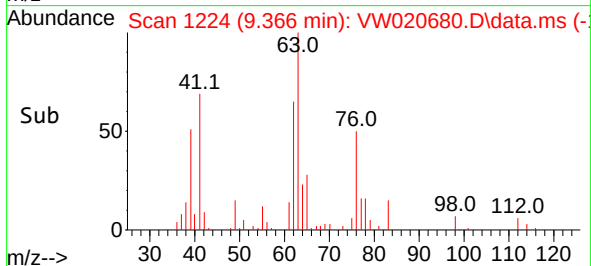
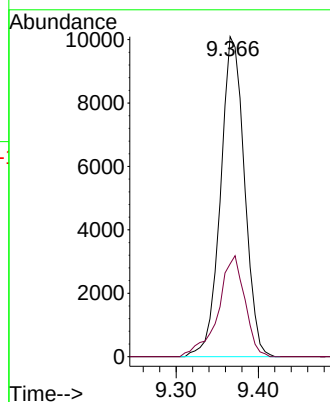
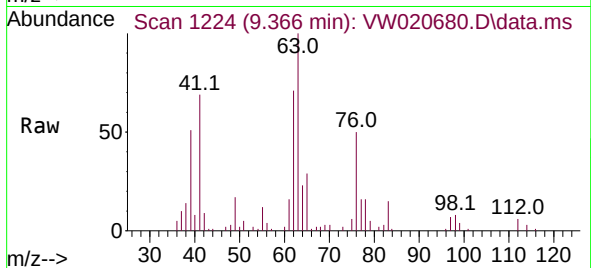
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#46

Dibromomethane

Concen: 18.998 ug/l

RT: 9.457 min Scan# 1239

Delta R.T. -0.000 min

Lab File: VW020680.D

Acq: 22 Oct 2021 13:36

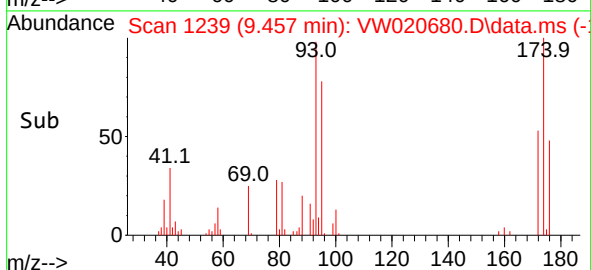
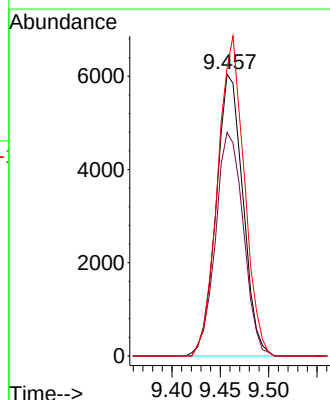
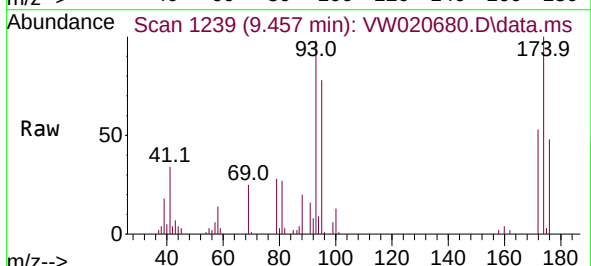
Tgt Ion: 93 Resp: 11620

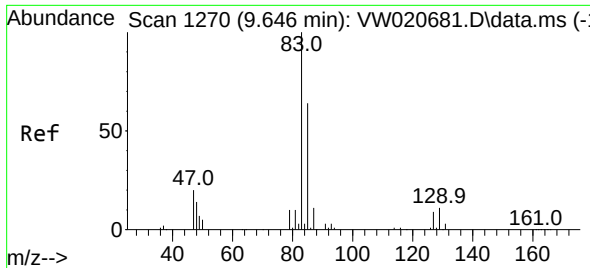
Ion Ratio Lower Upper

93 100

95 82.5 67.0 100.4

174 112.7 88.9 133.3





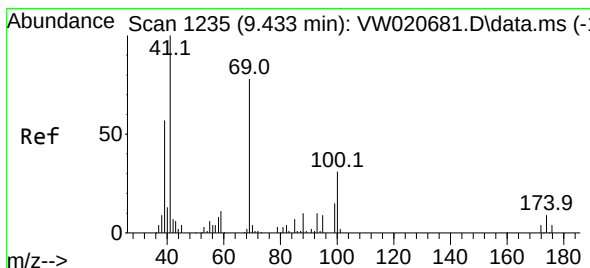
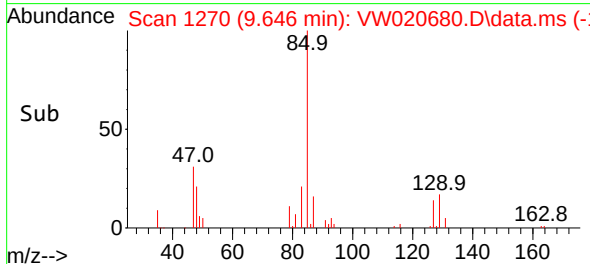
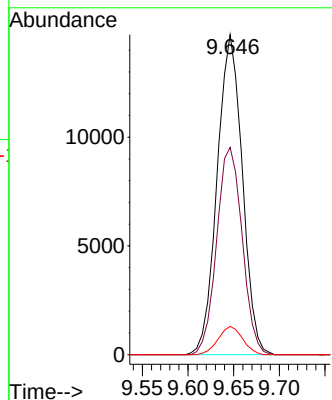
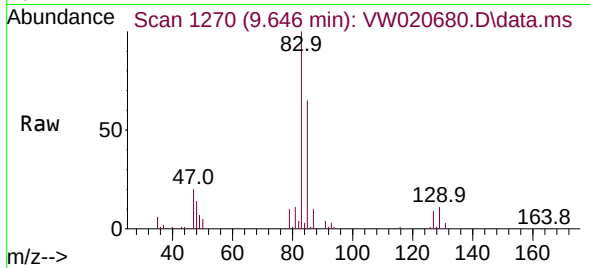
#47  
Bromodichloromethane  
Concen: 18.617 ug/l  
RT: 9.646 min Scan# 1270  
Delta R.T. -0.000 min  
Lab File: VW020680.D  
Acq: 22 Oct 2021 13:36

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 28226 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 64.8  | 51.0  | 76.6  |
| 127      | 8.8   | 7.0   | 10.4  |

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

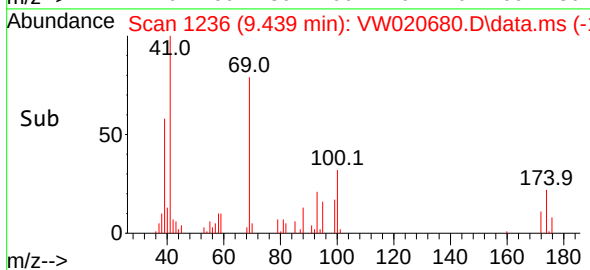
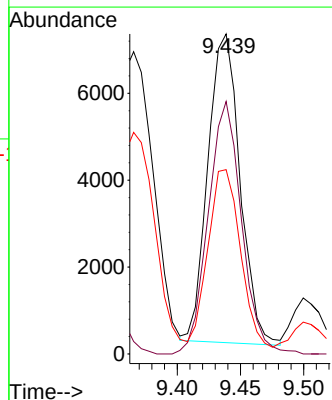
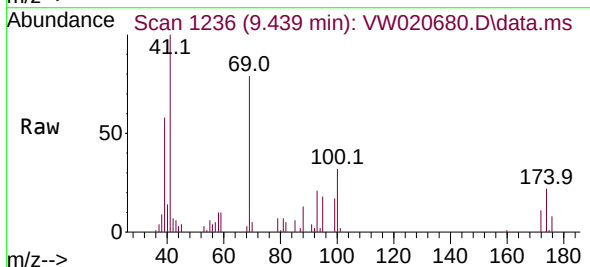
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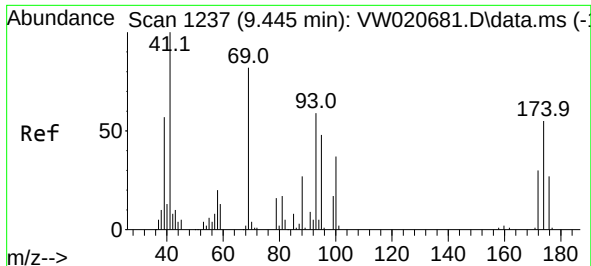
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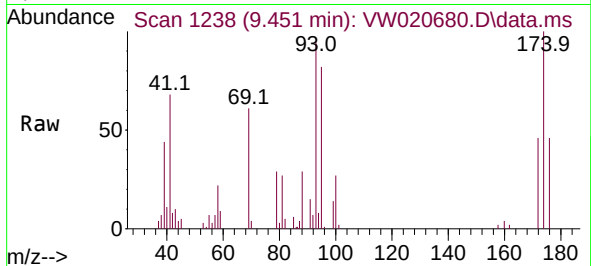
#48  
Methyl methacrylate  
Concen: 23.649 ug/l  
RT: 9.439 min Scan# 1236  
Delta R.T. 0.006 min  
Lab File: VW020680.D  
Acq: 22 Oct 2021 13:36

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 12565 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 84.7  | 67.2  | 100.8 |
| 39       | 57.5  | 47.0  | 70.6  |

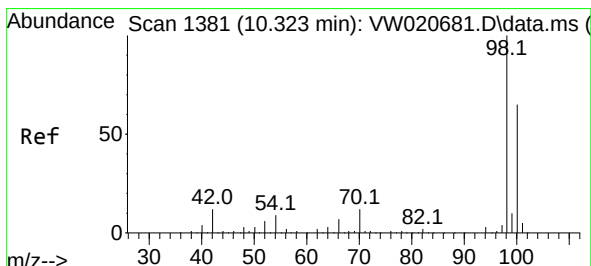
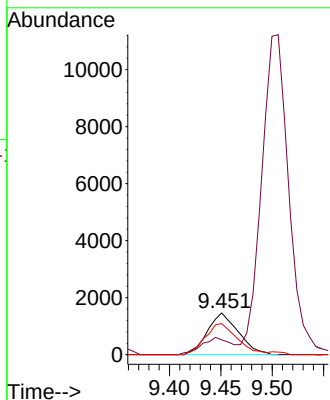
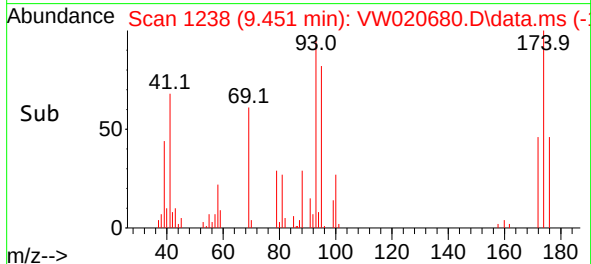




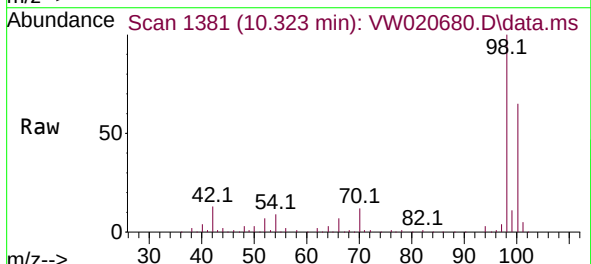
#49  
1,4-Dioxane  
Concen: 390.849 ug/l  
RT: 9.451 min Scan# 1238  
Delta R.T. 0.006 min  
Lab File: VW020680.D  
Acq: 22 Oct 2021 13:36



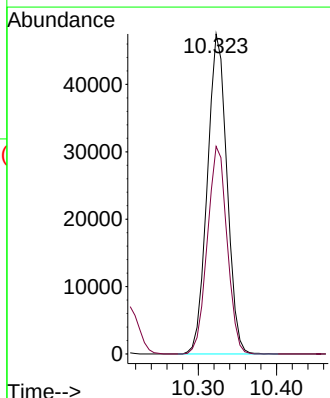
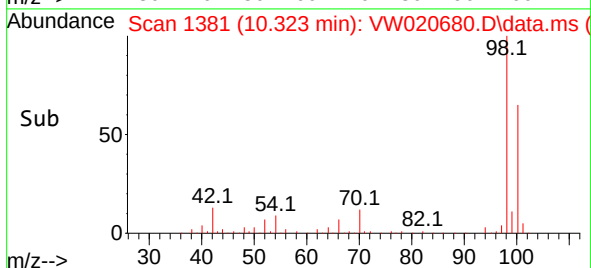
Tgt Ion: 88 Resp: 3066  
Ion Ratio Lower Upper  
88 100  
43 37.5 28.8 43.2  
58 79.6 59.6 89.4



#50  
Toluene-d8  
Concen: 21.843 ug/l  
RT: 10.323 min Scan# 1381  
Delta R.T. -0.000 min  
Lab File: VW020680.D  
Acq: 22 Oct 2021 13:36



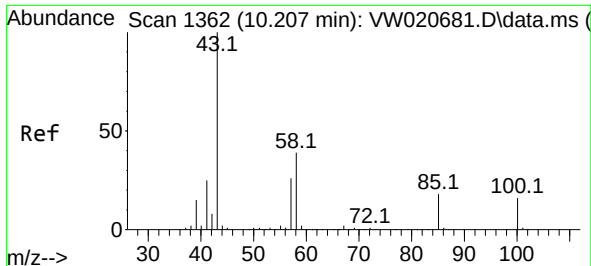
Tgt Ion: 98 Resp: 82363  
Ion Ratio Lower Upper  
98 100  
100 65.2 53.2 79.8



Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

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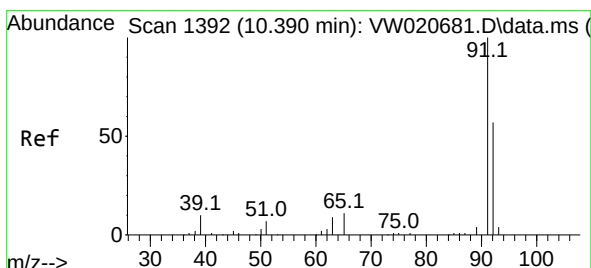
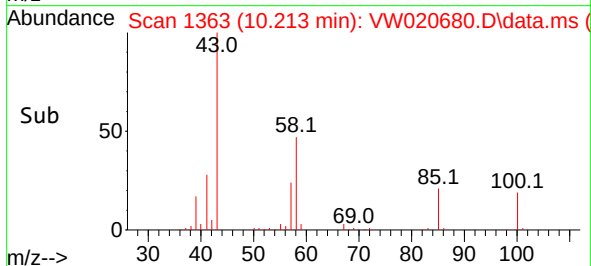
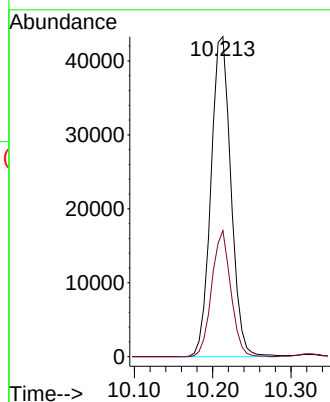
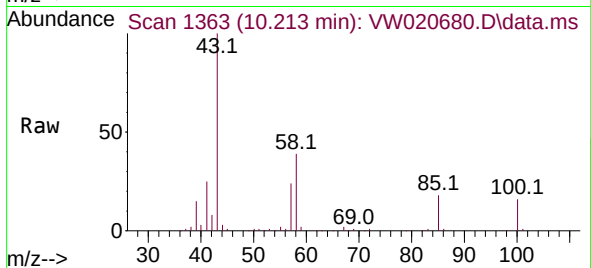
#51  
4-Methyl-2-Pentanone  
Concen: 122.446 ug/l  
RT: 10.213 min Scan# 1363  
Delta R.T. 0.006 min  
Lab File: VW020680.D  
Acq: 22 Oct 2021 13:36

Tgt Ion: 43 Resp: 76911  
Ion Ratio Lower Upper  
43 100  
58 37.5 30.6 46.0

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

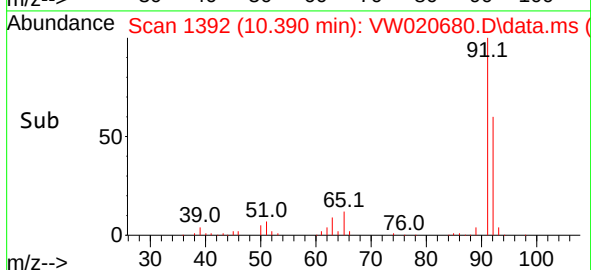
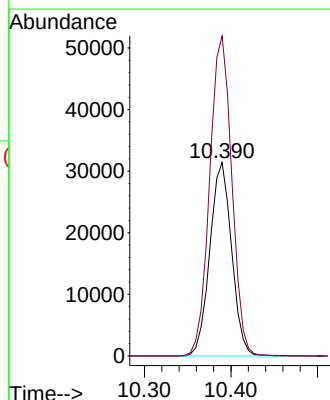
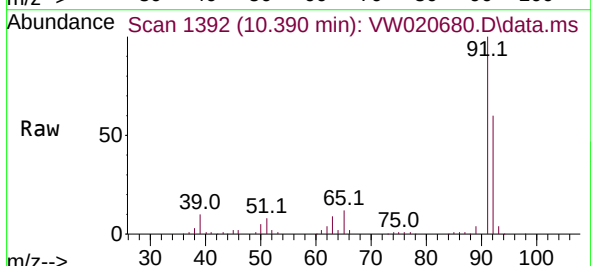
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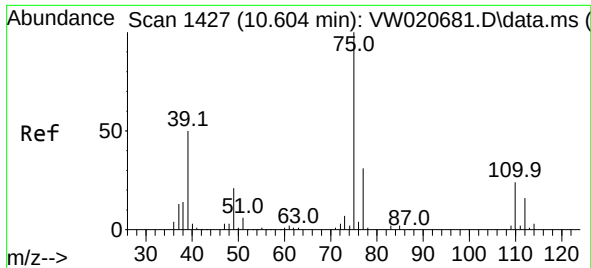
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#52  
Toluene  
Concen: 19.479 ug/l  
RT: 10.390 min Scan# 1392  
Delta R.T. -0.000 min  
Lab File: VW020680.D  
Acq: 22 Oct 2021 13:36

Tgt Ion: 92 Resp: 54759  
Ion Ratio Lower Upper  
92 100  
91 168.6 136.6 204.8





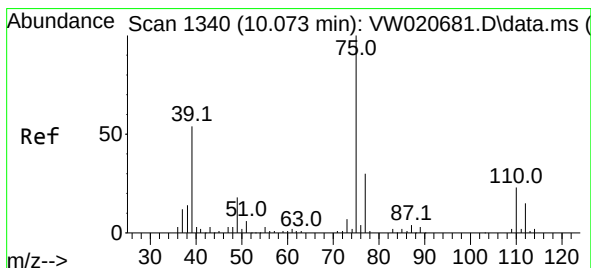
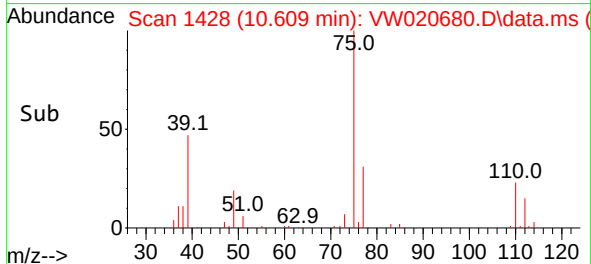
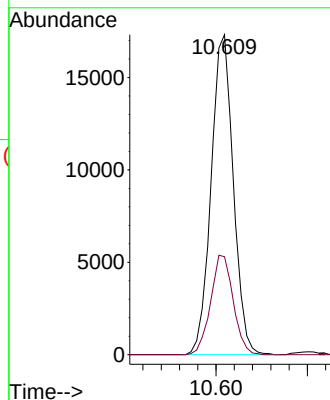
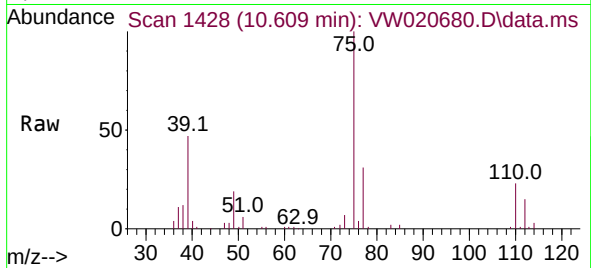
#53  
t-1,3-Dichloropropene  
Concen: 19.789 ug/l  
RT: 10.609 min Scan# 1428  
Delta R.T. 0.006 min  
Lab File: VW020680.D  
Acq: 22 Oct 2021 13:36

Tgt Ion: 75 Resp: 29151  
Ion Ratio Lower Upper  
75 100  
77 30.6 24.6 37.0

Instrument :  
MSVOA\_W  
ClientSampled :  
VSTDIC020

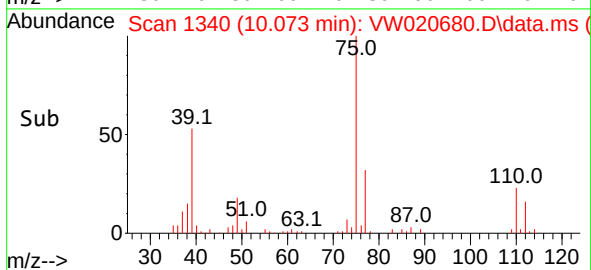
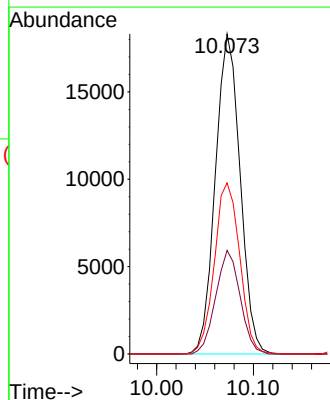
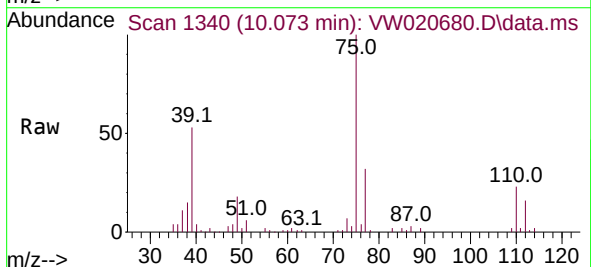
Manual Integrations  
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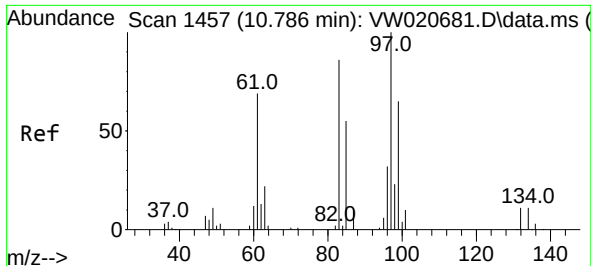
MMDadoda  
10/25/2021 11:56:08 AM



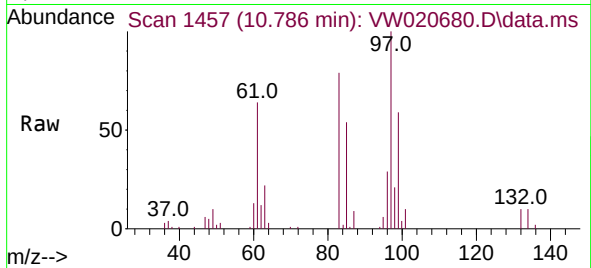
#54  
cis-1,3-Dichloropropene  
Concen: 19.135 ug/l  
RT: 10.073 min Scan# 1340  
Delta R.T. -0.000 min  
Lab File: VW020680.D  
Acq: 22 Oct 2021 13:36

Tgt Ion: 75 Resp: 32525  
Ion Ratio Lower Upper  
75 100  
77 32.4 23.8 35.8  
39 53.5 43.1 64.7

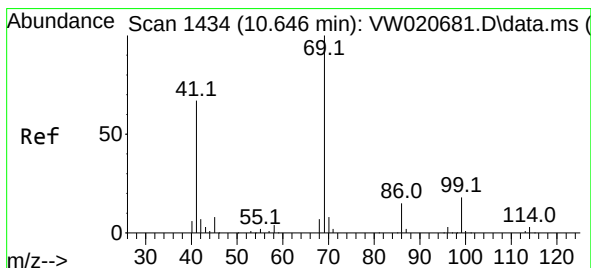
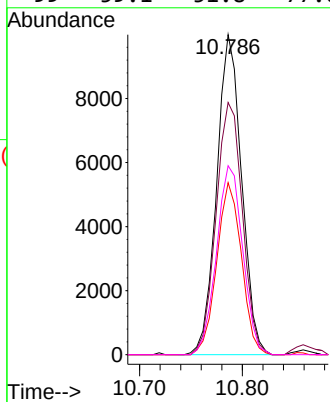
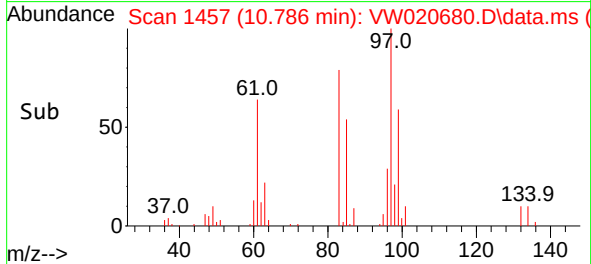




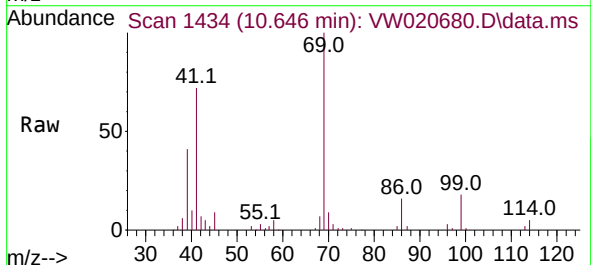
#55  
1,1,2-Trichloroethane  
Concen: 20.065 ug/l  
RT: 10.786 min Scan# 1457  
Delta R.T. -0.000 min  
Lab File: VW020680.D  
Acq: 22 Oct 2021 13:36



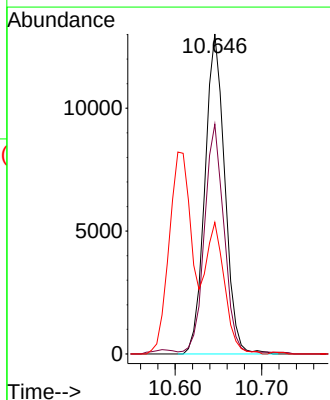
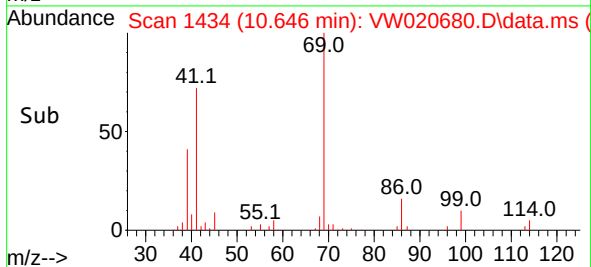
| Tgt Ion: | 97    | Resp: | 16826 |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 78.8  | 69.0  | 103.4 |
| 85       | 53.8  | 44.3  | 66.5  |
| 99       | 59.1  | 51.8  | 77.6  |



#56  
Ethyl methacrylate  
Concen: 21.588 ug/l  
RT: 10.646 min Scan# 1434  
Delta R.T. -0.000 min  
Lab File: VW020680.D  
Acq: 22 Oct 2021 13:36



| Tgt Ion: | 69    | Resp: | 20762 |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 71.7  | 56.6  | 85.0  |
| 39       | 39.1  | 29.6  | 44.4  |

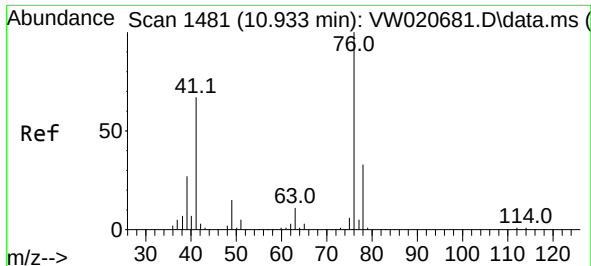


Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

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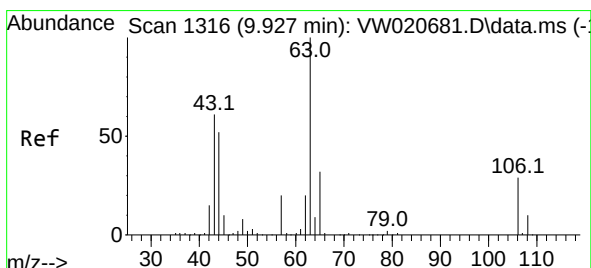
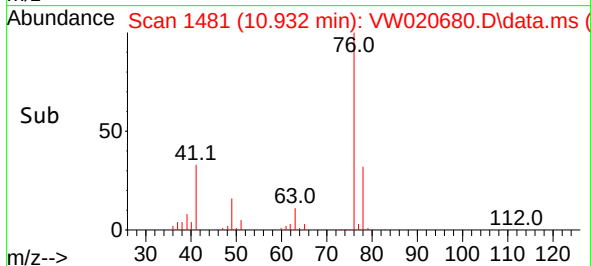
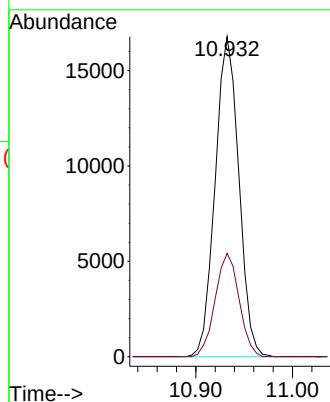
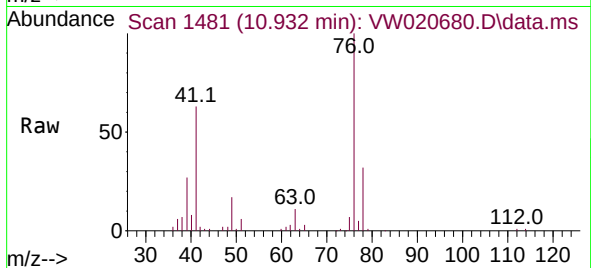
#57  
1,3-Dichloropropane  
Concen: 19.856 ug/l  
RT: 10.932 min Scan# 1481  
Delta R.T. -0.000 min  
Lab File: VW020680.D  
Acq: 22 Oct 2021 13:36

Tgt Ion: 76 Resp: 28428  
Ion Ratio Lower Upper  
76 100  
78 32.6 26.0 39.0

Instrument :  
MSVOA\_W  
ClientSampleId :  
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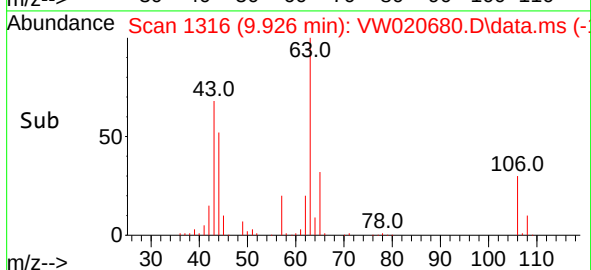
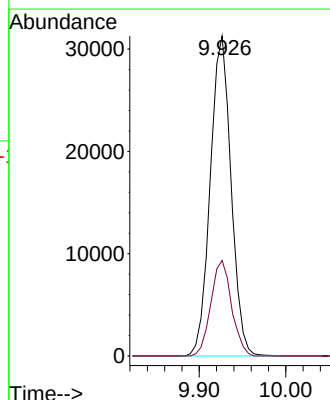
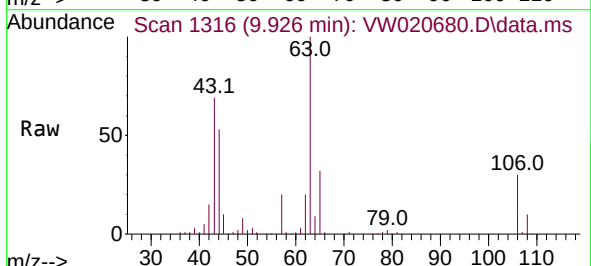
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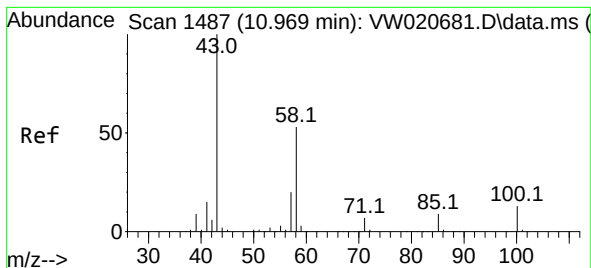
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#58  
2-Chloroethyl Vinyl ether  
Concen: 118.791 ug/l  
RT: 9.926 min Scan# 1316  
Delta R.T. -0.000 min  
Lab File: VW020680.D  
Acq: 22 Oct 2021 13:36

Tgt Ion: 63 Resp: 52154  
Ion Ratio Lower Upper  
63 100  
106 29.7 23.0 34.6





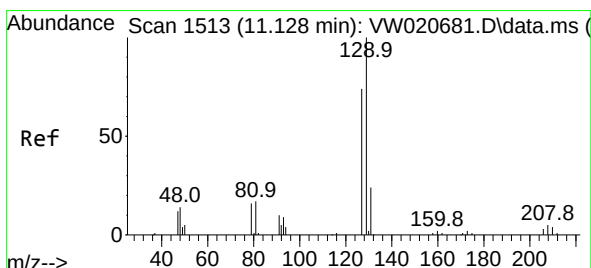
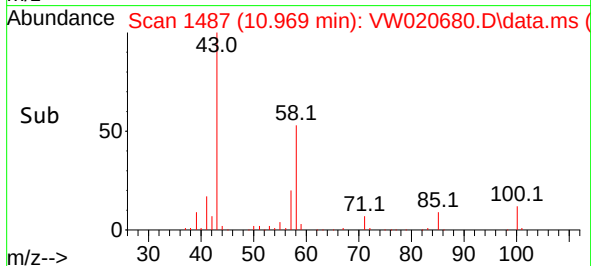
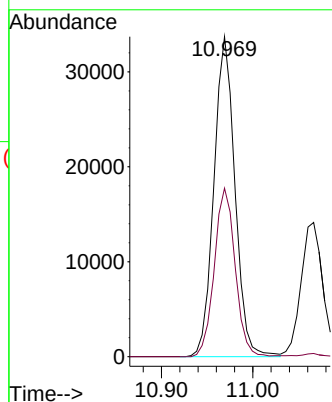
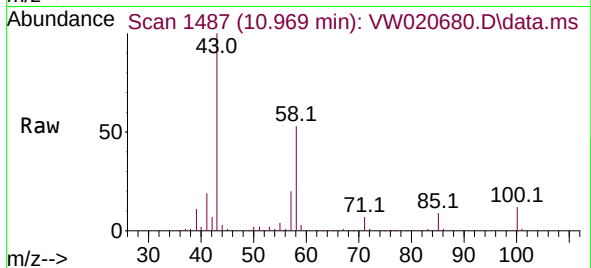
#59  
2-Hexanone  
Concen: 126.159 ug/l  
RT: 10.969 min Scan# 1487  
Delta R.T. -0.000 min  
Lab File: VW020680.D  
Acq: 22 Oct 2021 13:36

Tgt Ion: 43 Resp: 53885  
Ion Ratio Lower Upper  
43 100  
58 52.2 26.4 79.2

Instrument :  
MSVOA\_W  
ClientSampled :  
VSTDIC020

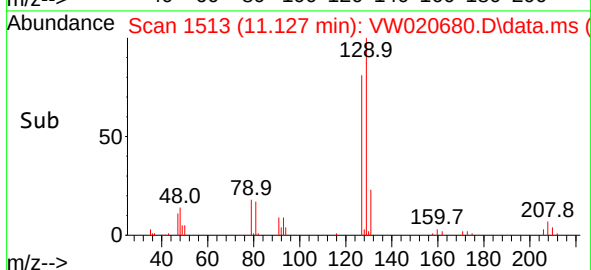
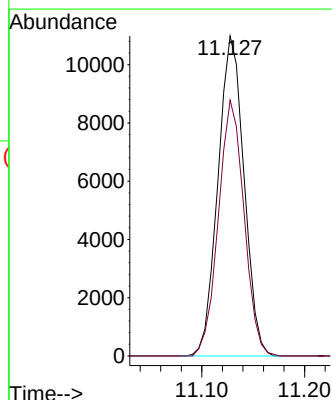
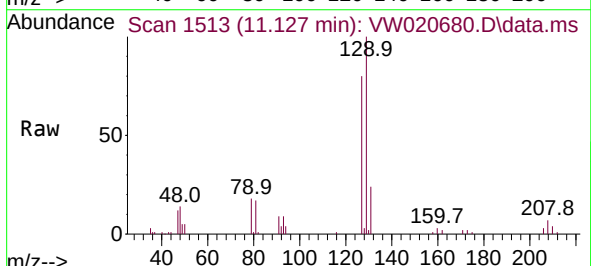
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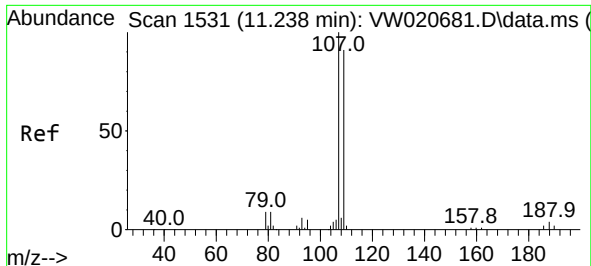
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#60  
Dibromochloromethane  
Concen: 19.993 ug/l  
RT: 11.127 min Scan# 1513  
Delta R.T. -0.000 min  
Lab File: VW020680.D  
Acq: 22 Oct 2021 13:36

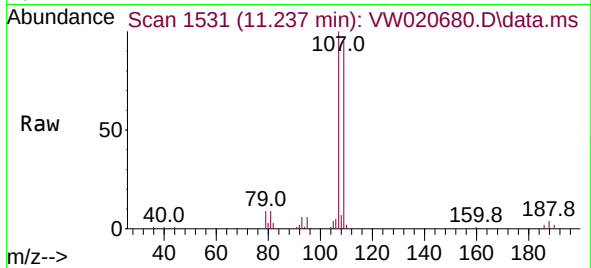
Tgt Ion: 129 Resp: 19327  
Ion Ratio Lower Upper  
129 100  
127 78.6 38.9 116.6





#61  
1,2-Dibromoethane  
Concen: 20.057 ug/l  
RT: 11.237 min Scan# 1531  
Delta R.T. -0.000 min  
Lab File: VW020680.D  
Acq: 22 Oct 2021 13:36

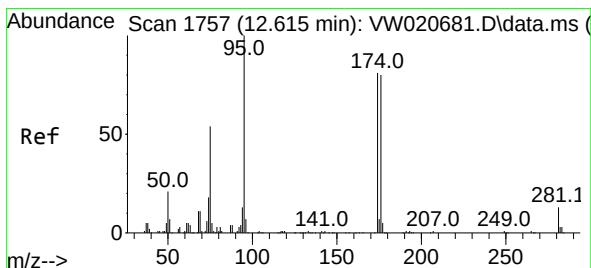
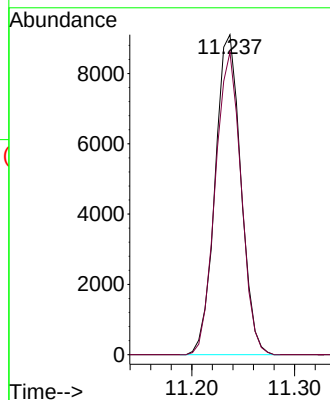
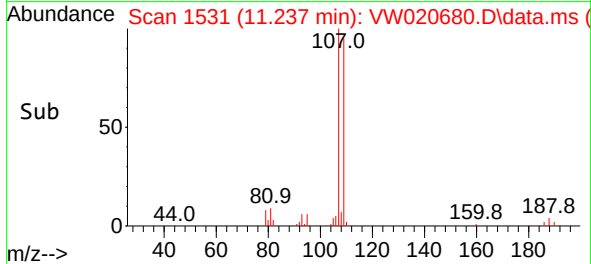
Instrument :  
MSVOA\_W  
ClientSampleId :  
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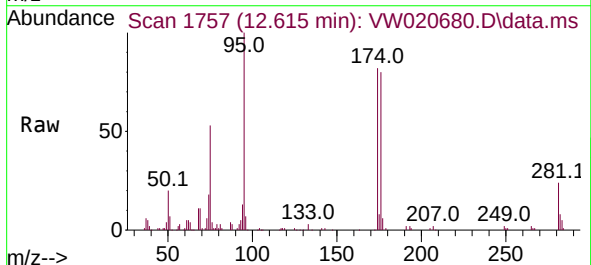
Tgt Ion:107 Resp: 15816  
Ion Ratio Lower Upper  
107 100  
109 94.7 75.4 113.2

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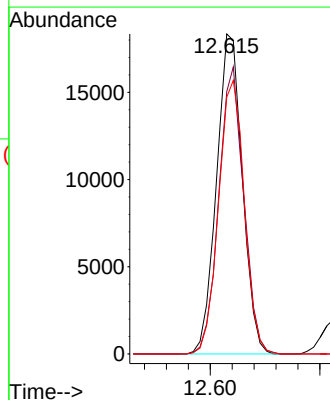
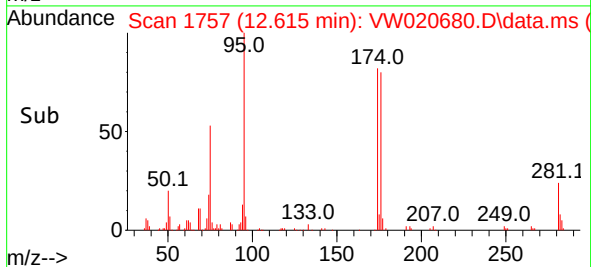
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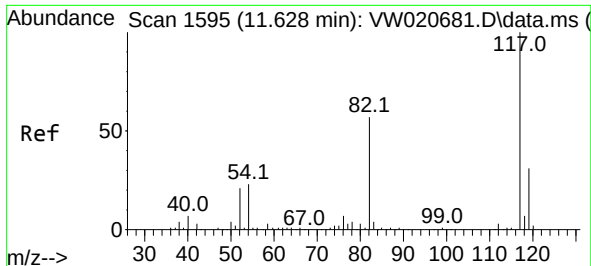


#62  
4-Bromofluorobenzene  
Concen: 21.619 ug/l  
RT: 12.615 min Scan# 1757  
Delta R.T. -0.000 min  
Lab File: VW020680.D  
Acq: 22 Oct 2021 13:36



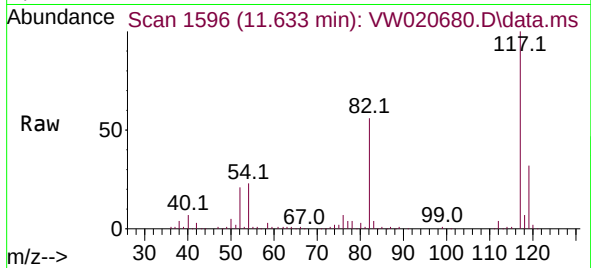
Tgt Ion: 95 Resp: 29970  
Ion Ratio Lower Upper  
95 100  
174 86.5 0.0 166.4  
176 85.1 0.0 159.8





#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.633 min Scan# 1596  
Delta R.T. 0.006 min  
Lab File: VW020680.D  
Acq: 22 Oct 2021 13:36

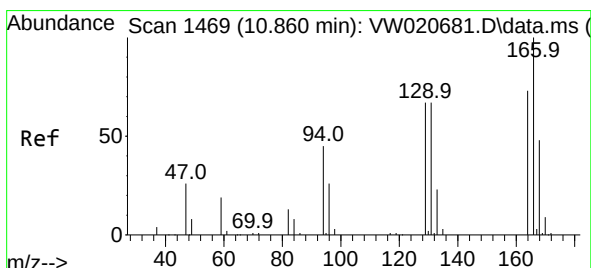
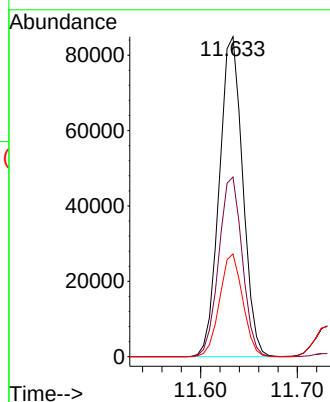
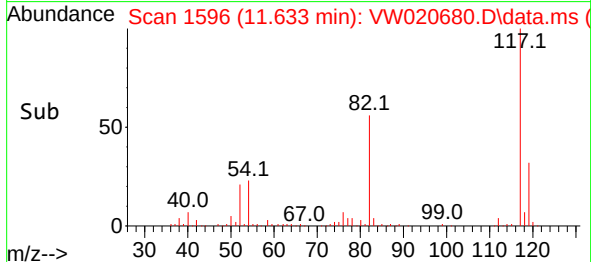
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020



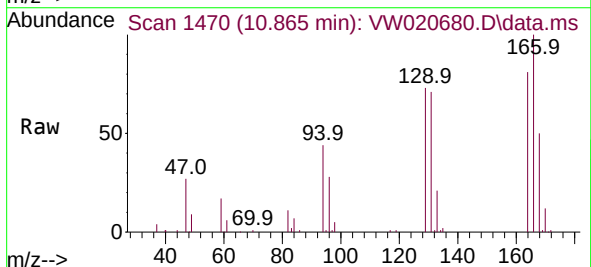
Tgt Ion:117 Resp: 142706  
Ion Ratio Lower Upper  
117 100  
82 56.2 45.6 68.4  
119 32.1 25.0 37.4

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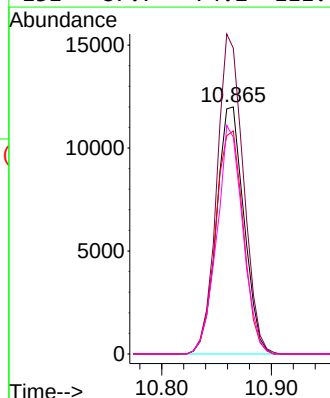
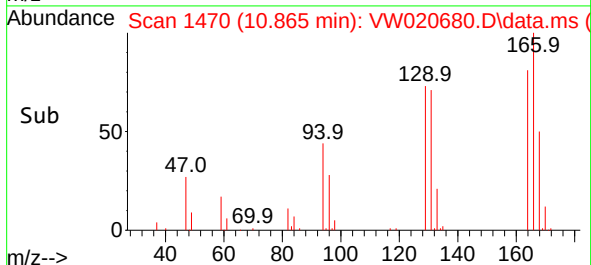
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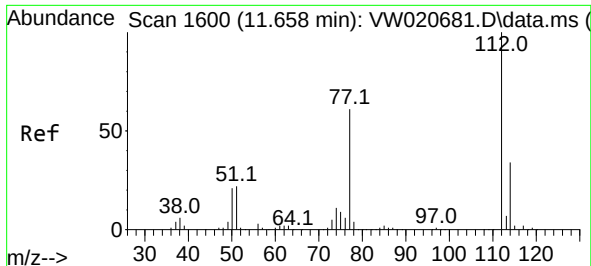


#64  
Tetrachloroethene  
Concen: 20.953 ug/l  
RT: 10.865 min Scan# 1470  
Delta R.T. 0.006 min  
Lab File: VW020680.D  
Acq: 22 Oct 2021 13:36



Tgt Ion:164 Resp: 20929  
Ion Ratio Lower Upper  
164 100  
166 123.7 110.2 165.4  
129 90.3 74.4 111.6  
131 87.7 74.2 111.4





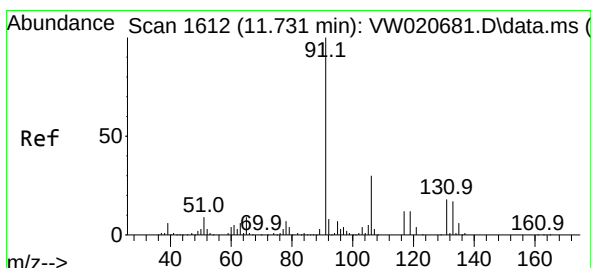
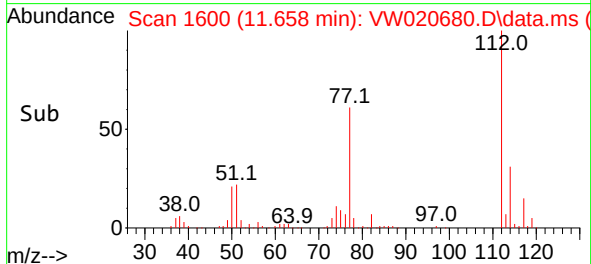
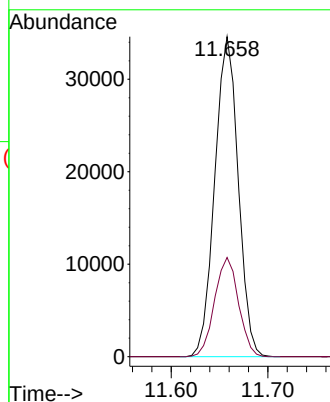
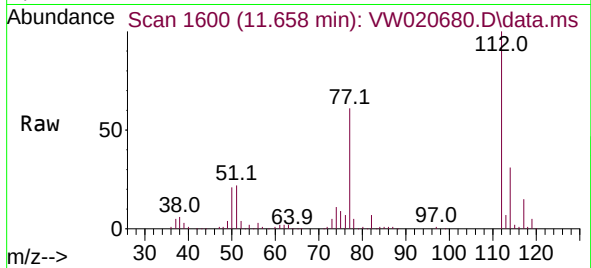
#65  
Chlorobenzene  
Concen: 19.163 ug/l  
RT: 11.658 min Scan# 1600  
Delta R.T. -0.000 min  
Lab File: VW020680.D  
Acq: 22 Oct 2021 13:36

Instrument :  
MSVOA\_W  
ClientSampleId :  
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Tgt Ion:112 Resp: 58131  
Ion Ratio Lower Upper  
112 100  
114 31.0 27.0 40.6

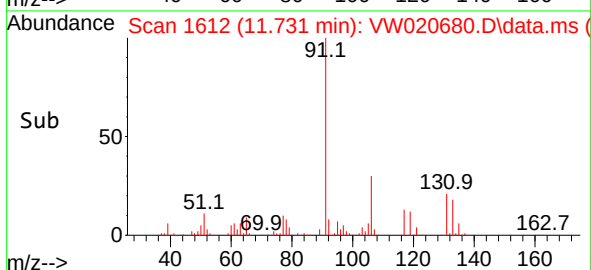
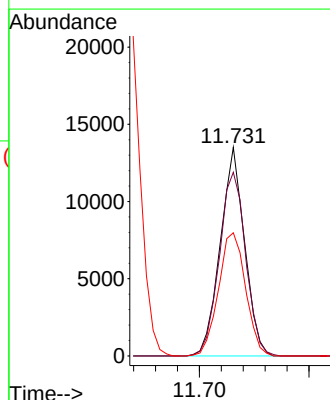
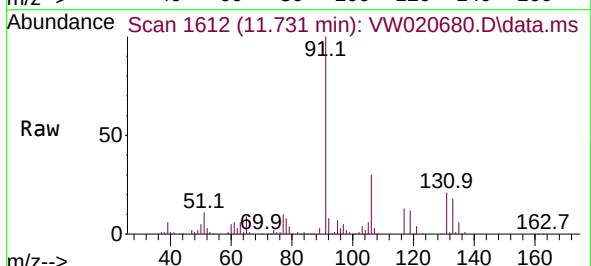
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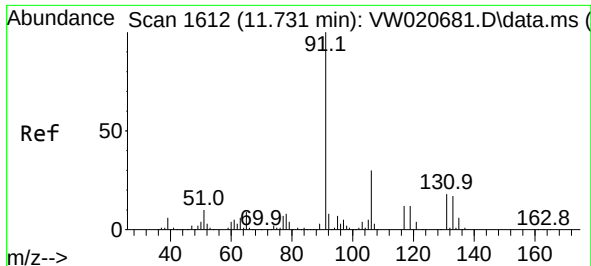
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#66  
1,1,1,2-Tetrachloroethane  
Concen: 19.201 ug/l  
RT: 11.731 min Scan# 1612  
Delta R.T. -0.000 min  
Lab File: VW020680.D  
Acq: 22 Oct 2021 13:36

Tgt Ion:131 Resp: 20796  
Ion Ratio Lower Upper  
131 100  
133 95.6 47.9 143.8  
119 65.8 31.6 95.0





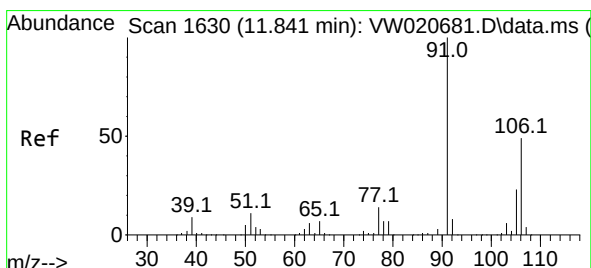
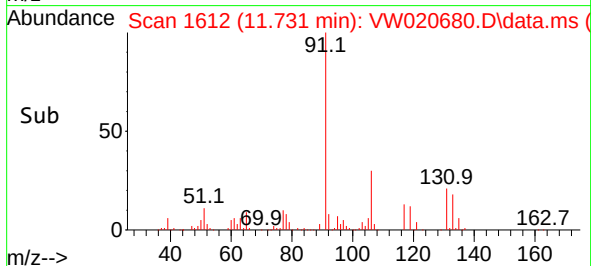
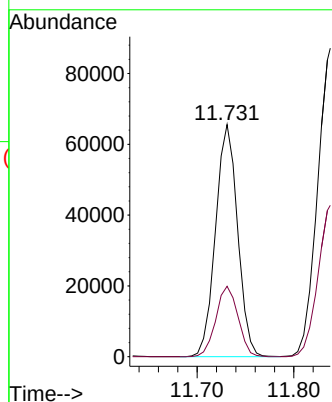
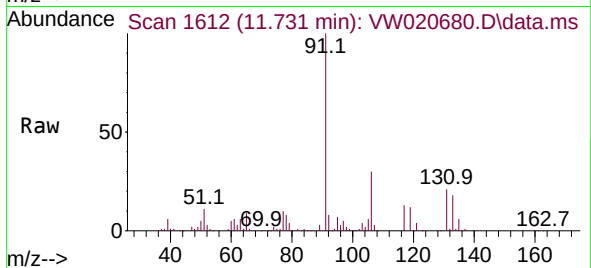
#67  
Ethyl Benzene  
Concen: 19.351 ug/l  
RT: 11.731 min Scan# 1612  
Delta R.T. -0.000 min  
Lab File: VW020680.D  
Acq: 22 Oct 2021 13:36

Instrument :  
MSVOA\_W  
ClientSampleId :  
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Tgt Ion: 91 Resp: 103654  
Ion Ratio Lower Upper  
91 100  
106 30.4 24.4 36.6

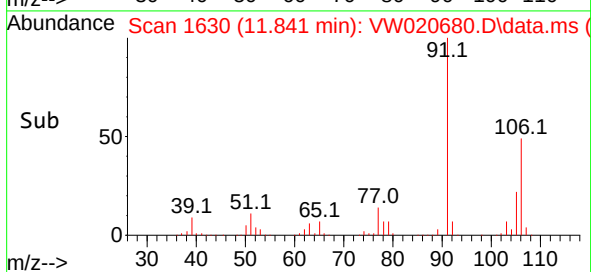
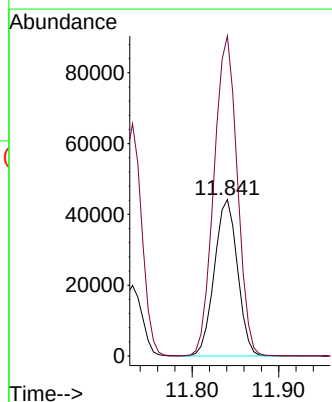
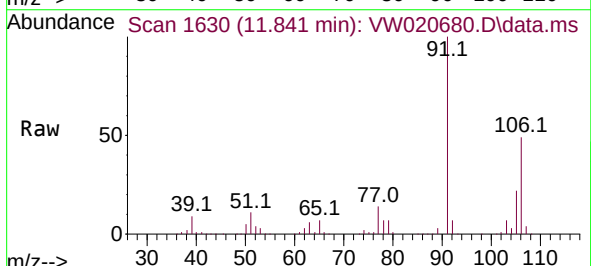
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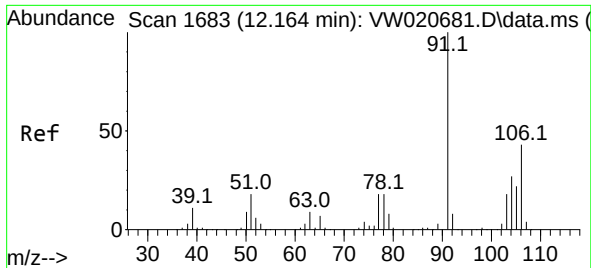
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#68  
m/p-Xylenes  
Concen: 39.024 ug/l  
RT: 11.841 min Scan# 1630  
Delta R.T. -0.000 min  
Lab File: VW020680.D  
Acq: 22 Oct 2021 13:36

Tgt Ion:106 Resp: 81860  
Ion Ratio Lower Upper  
106 100  
91 206.8 166.4 249.6





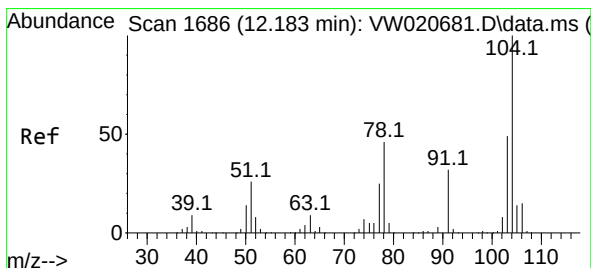
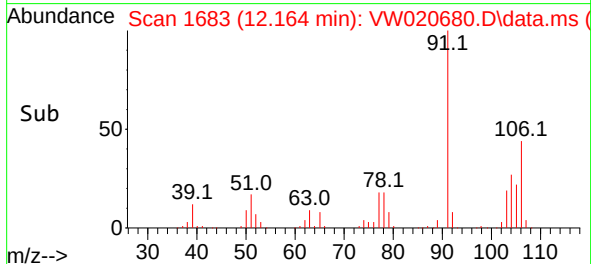
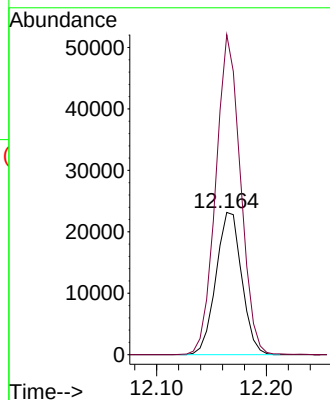
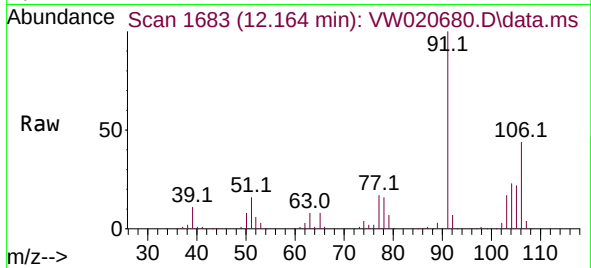
#69  
o-Xylene  
Concen: 19.761 ug/l  
RT: 12.164 min Scan# 1683  
Delta R.T. -0.000 min  
Lab File: VW020680.D  
Acq: 22 Oct 2021 13:36

Tgt Ion:106 Resp: 37887  
Ion Ratio Lower Upper  
106 100  
91 216.0 110.9 332.6

Instrument :  
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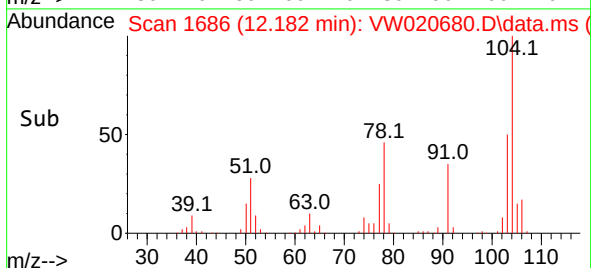
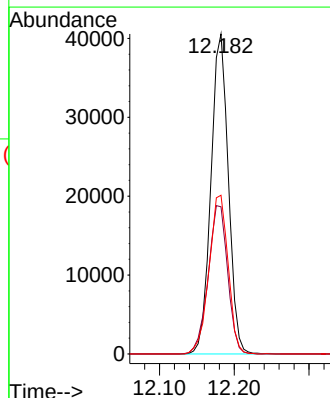
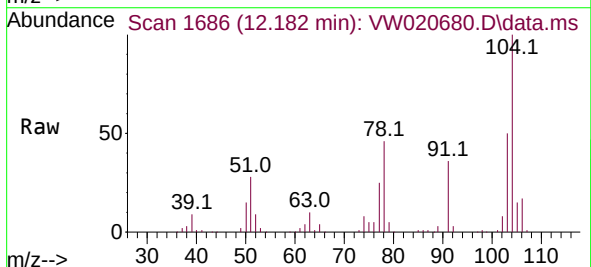
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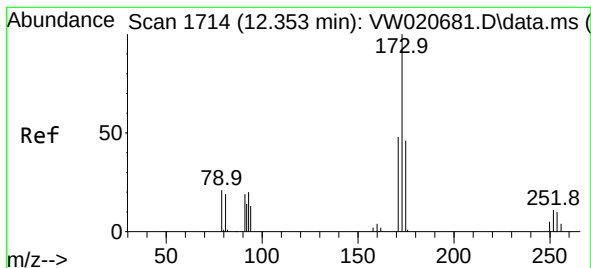
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#70  
Styrene  
Concen: 20.132 ug/l  
RT: 12.182 min Scan# 1686  
Delta R.T. -0.000 min  
Lab File: VW020680.D  
Acq: 22 Oct 2021 13:36

Tgt Ion:104 Resp: 65694  
Ion Ratio Lower Upper  
104 100  
78 51.8 41.4 62.0  
103 54.3 43.3 64.9





#71

Bromoform

Concen: 22.590 ug/l

RT: 12.347 min Scan# 1713

Delta R.T. -0.007 min

Lab File: VW020680.D

Acq: 22 Oct 2021 13:36

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 173   | Resp: | 12483 |
| Ion Ratio | Lower | Upper |       |
| 173       | 100   |       |       |
| 175       | 49.7  | 24.6  | 73.8  |
| 254       | 0.0   | 0.0   | 0.0   |

Instrument :

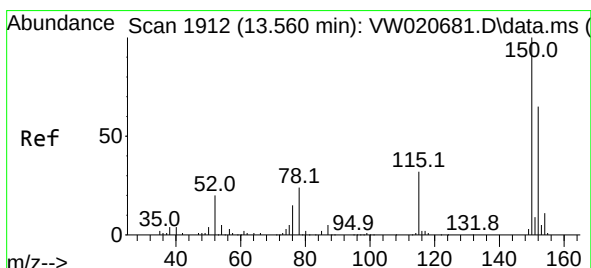
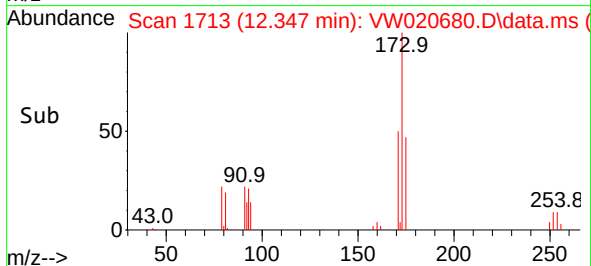
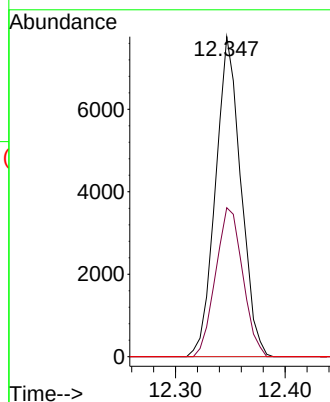
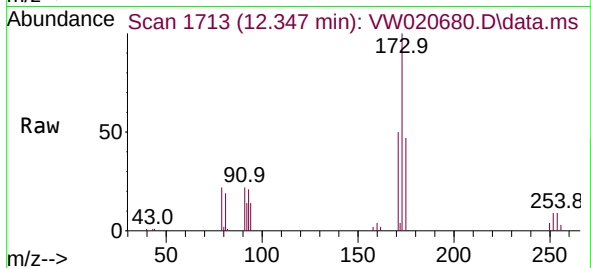
MSVOA\_W

ClientSampleId :

VSTDIC020

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

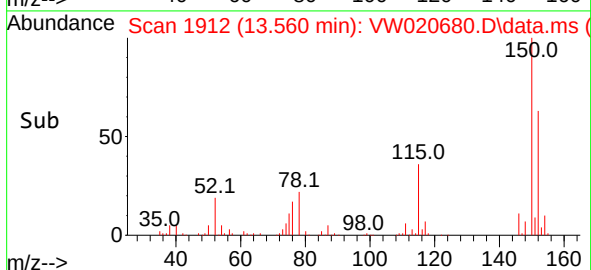
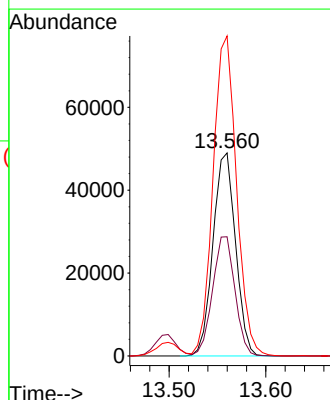
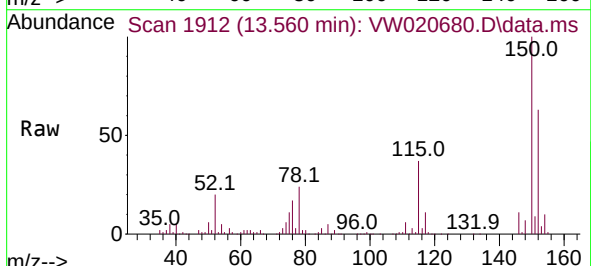
RT: 13.560 min Scan# 1912

Delta R.T. -0.000 min

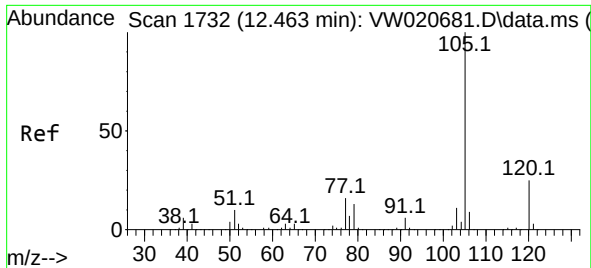
Lab File: VW020680.D

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|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 152   | Resp: | 79367 |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 115       | 58.5  | 29.6  | 88.9  |
| 150       | 163.8 | 0.0   | 352.6 |







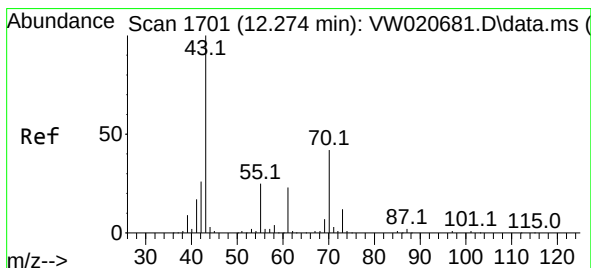
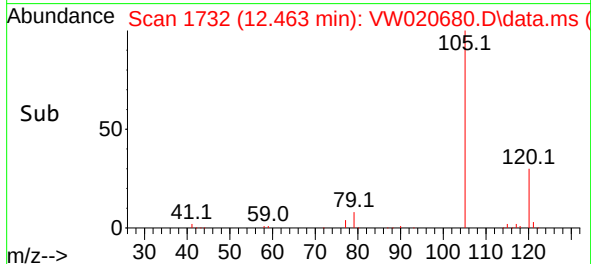
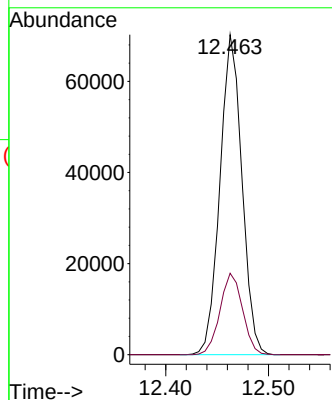
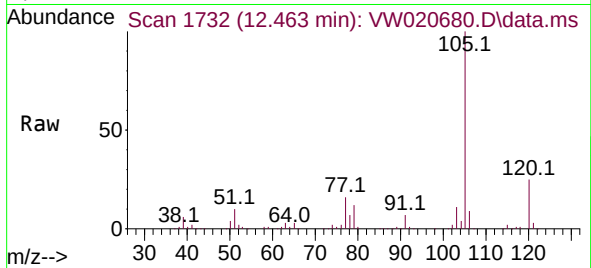
#73  
Isopropylbenzene  
Concen: 18.814 ug/l  
RT: 12.463 min Scan# 1732  
Delta R.T. -0.000 min  
Lab File: VW020680.D  
Acq: 22 Oct 2021 13:36

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

Tgt Ion:105 Resp: 104278  
Ion Ratio Lower Upper  
105 100  
120 26.1 13.0 39.0

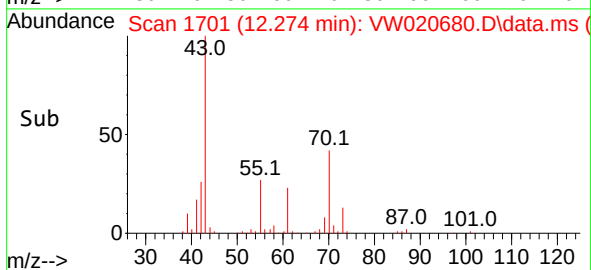
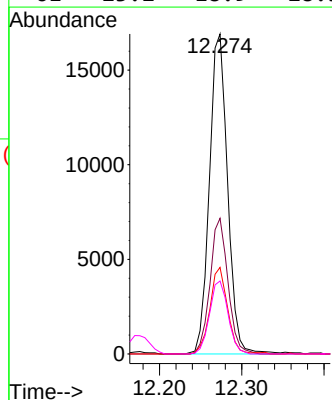
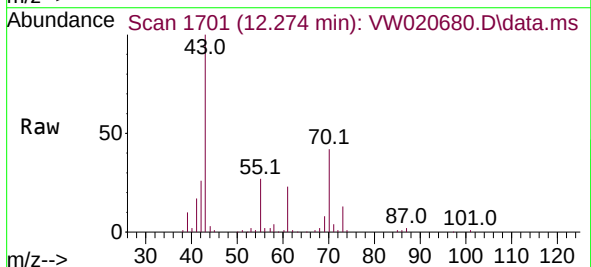
Manual Integrations  
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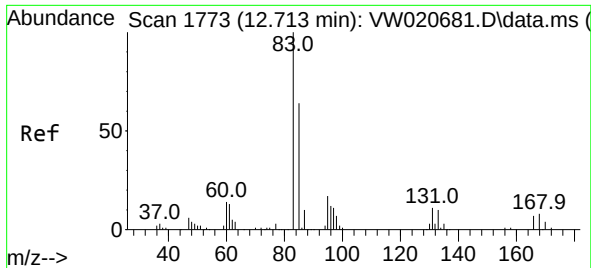
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#74  
N-ethyl acetate  
Concen: 21.699 ug/l  
RT: 12.274 min Scan# 1701  
Delta R.T. -0.000 min  
Lab File: VW020680.D  
Acq: 22 Oct 2021 13:36

Tgt Ion: 43 Resp: 25961  
Ion Ratio Lower Upper  
43 100  
70 41.8 33.4 50.2  
55 26.6 20.1 30.1  
61 23.2 18.9 28.3





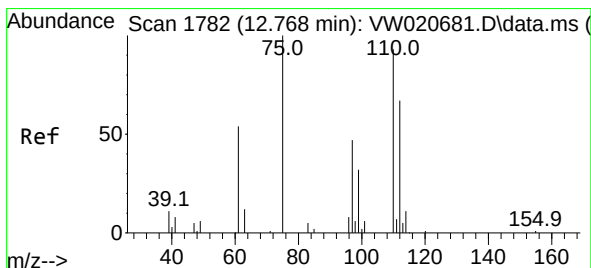
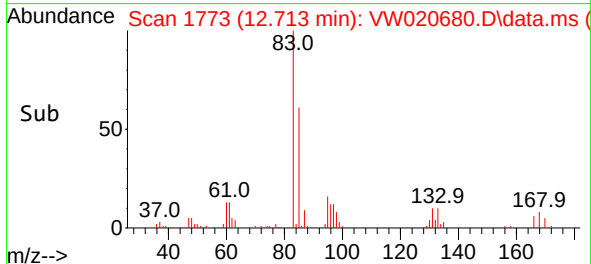
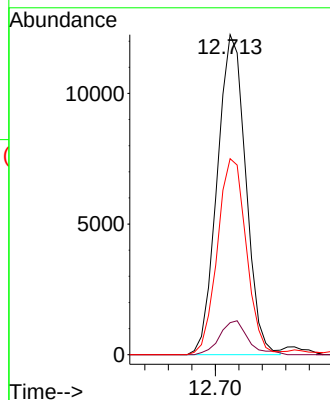
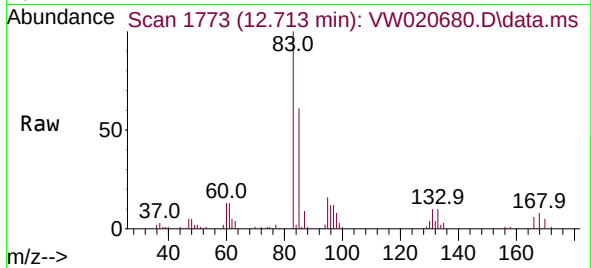
#75  
1,1,2,2-Tetrachloroethane  
Concen: 19.857 ug/l  
RT: 12.713 min Scan# 1773  
Delta R.T. -0.000 min  
Lab File: VW020680.D  
Acq: 22 Oct 2021 13:36

Tgt Ion: 83 Resp: 20687  
Ion Ratio Lower Upper  
83 100  
131 10.5 5.8 17.3  
85 62.0 31.8 95.4

Instrument :  
MSVOA\_W  
ClientSampled :  
VSTDIC020

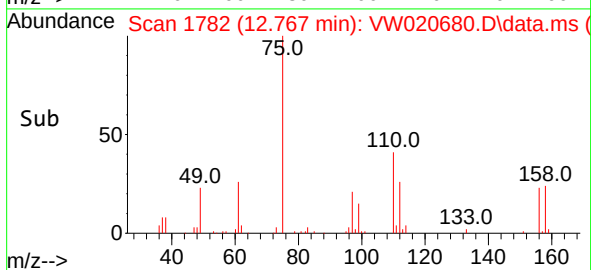
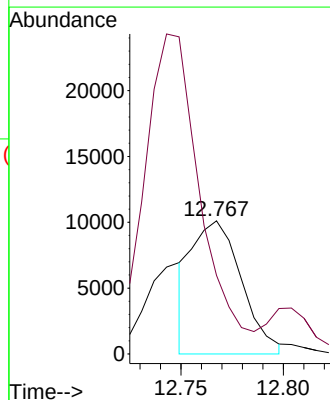
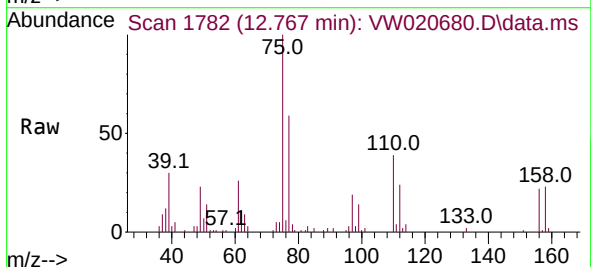
Manual Integrations  
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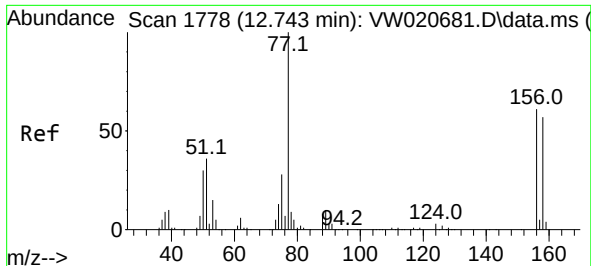
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#76  
1,2,3-Trichloropropane  
Concen: 22.274 ug/l m  
RT: 12.767 min Scan# 1782  
Delta R.T. -0.000 min  
Lab File: VW020680.D  
Acq: 22 Oct 2021 13:36

Tgt Ion: 75 Resp: 17067  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0





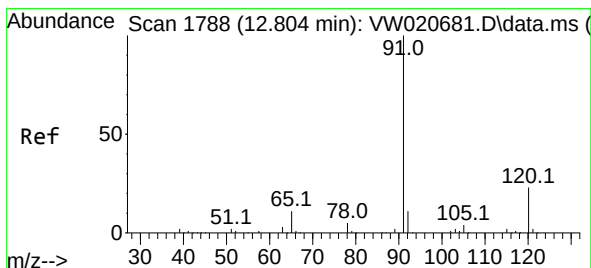
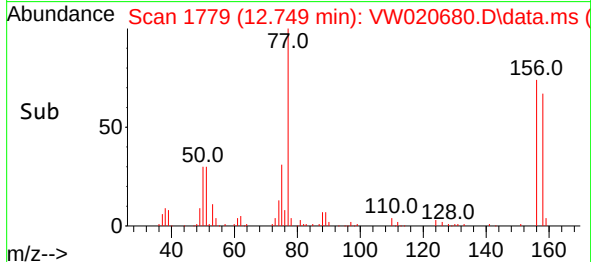
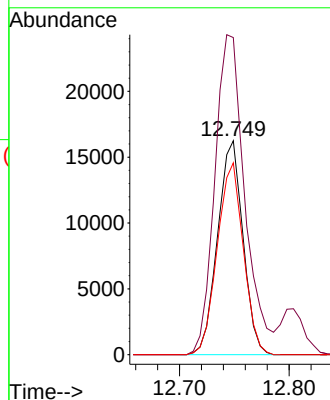
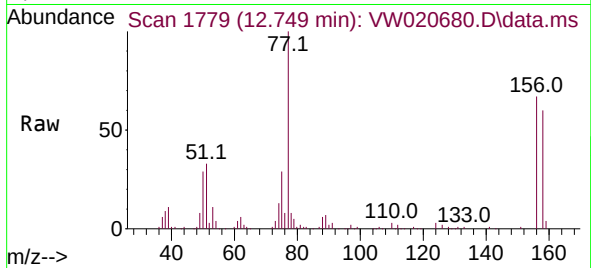
#77  
Bromobenzene  
Concen: 20.050 ug/l  
RT: 12.749 min Scan# 1779  
Delta R.T. 0.006 min  
Lab File: VW020680.D  
Acq: 22 Oct 2021 13:36

Tgt Ion: 156 Resp: 26178  
Ion Ratio Lower Upper  
156 100  
77 176.6 91.8 275.6  
158 91.9 47.9 143.8

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

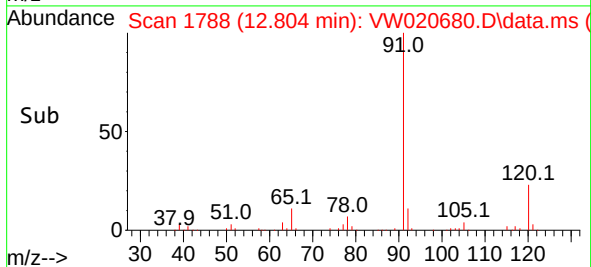
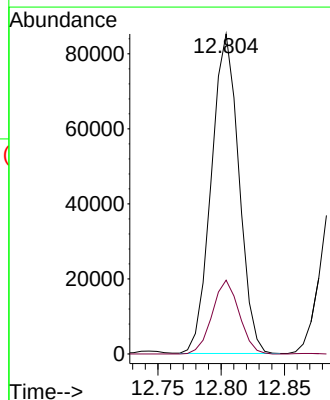
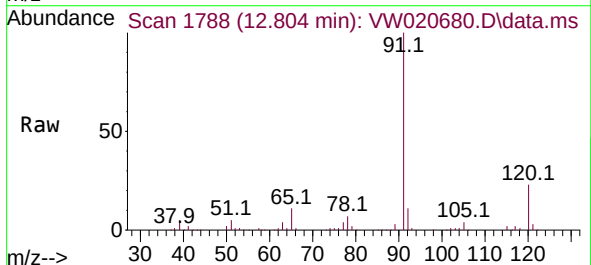
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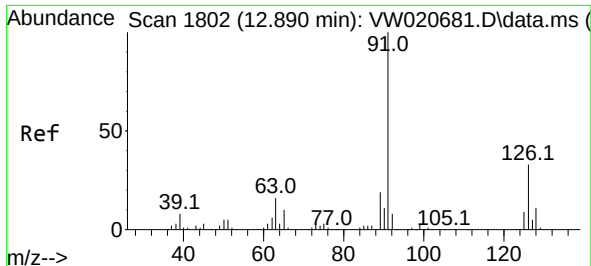
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#78  
n-propylbenzene  
Concen: 18.540 ug/l  
RT: 12.804 min Scan# 1788  
Delta R.T. -0.000 min  
Lab File: VW020680.D  
Acq: 22 Oct 2021 13:36

Tgt Ion: 91 Resp: 129049  
Ion Ratio Lower Upper  
91 100  
120 22.5 11.7 35.0





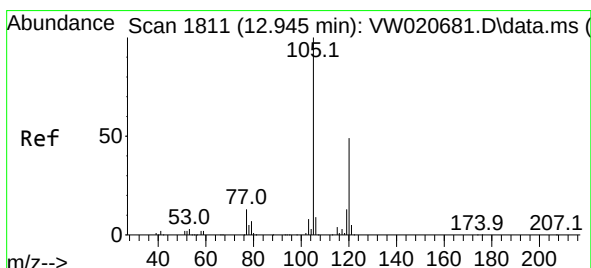
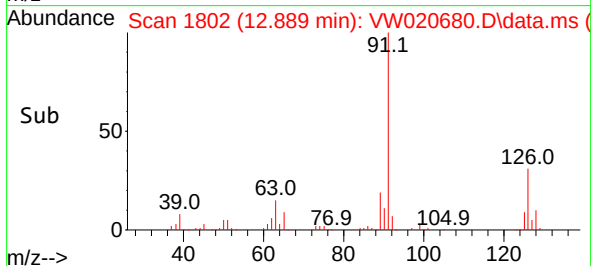
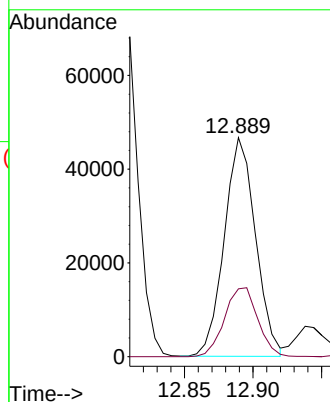
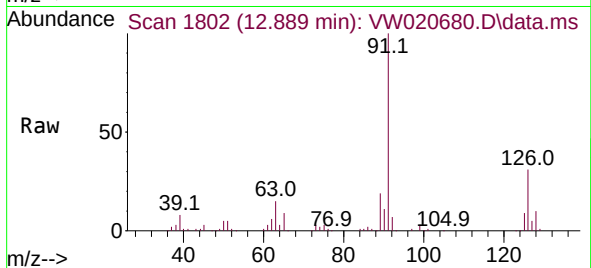
#79  
2-Chlorotoluene  
Concen: 18.280 ug/l  
RT: 12.889 min Scan# 1802  
Delta R.T. -0.000 min  
Lab File: VW020680.D  
Acq: 22 Oct 2021 13:36

Tgt Ion: 91 Resp: 74183  
Ion Ratio Lower Upper  
91 100  
126 33.6 16.7 50.0

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

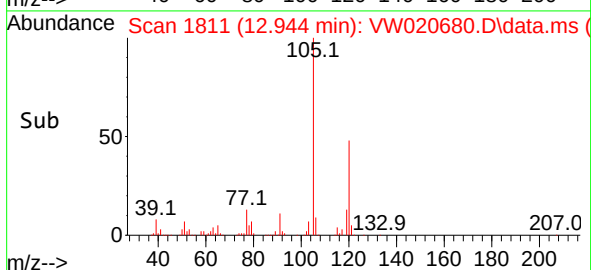
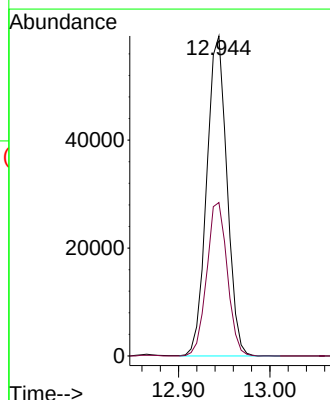
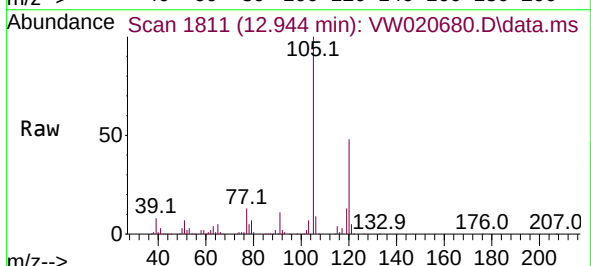
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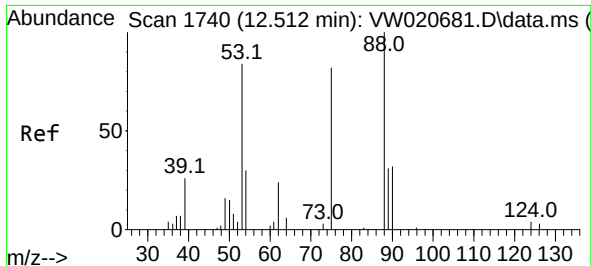
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#80  
1,3,5-Trimethylbenzene  
Concen: 18.694 ug/l  
RT: 12.944 min Scan# 1811  
Delta R.T. -0.000 min  
Lab File: VW020680.D  
Acq: 22 Oct 2021 13:36

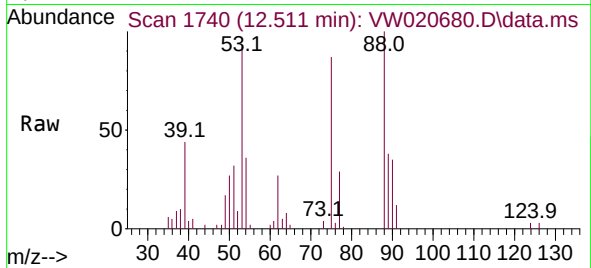
Tgt Ion: 105 Resp: 91311  
Ion Ratio Lower Upper  
105 100  
120 48.6 24.3 72.9





#81  
trans-1,4-Dichloro-2-butene  
Concen: 20.012 ug/l  
RT: 12.511 min Scan# 1740  
Delta R.T. -0.000 min  
Lab File: VW020680.D  
Acq: 22 Oct 2021 13:36

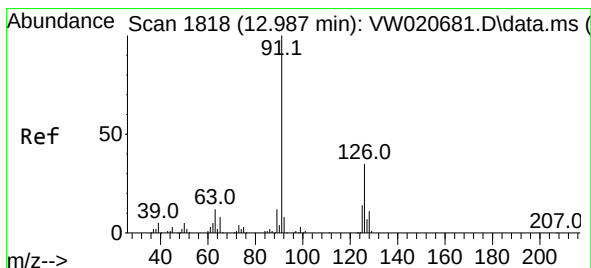
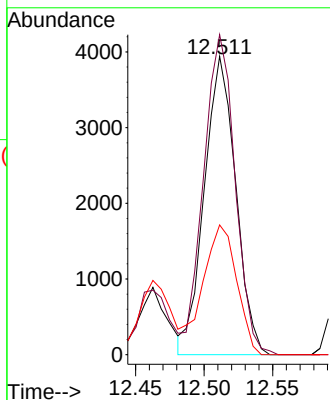
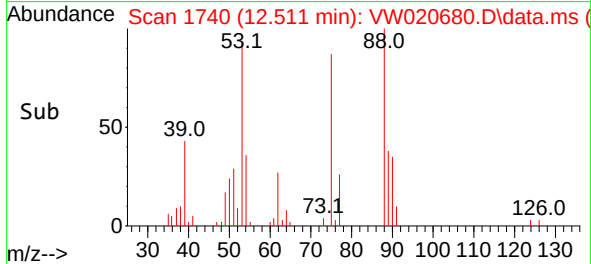
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020



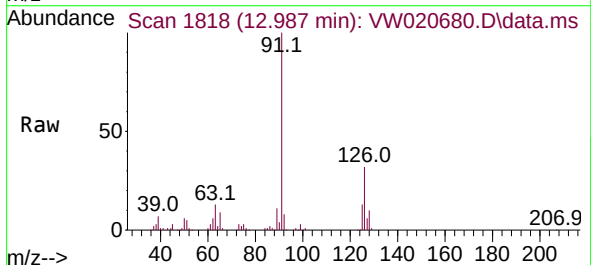
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 108.0 | 83.7  | 125.5 |
| 89      | 47.3  | 36.7  | 55.1  |

Manual Integrations  
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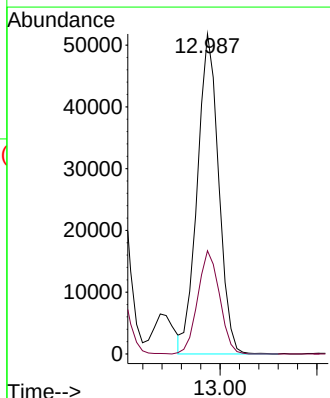
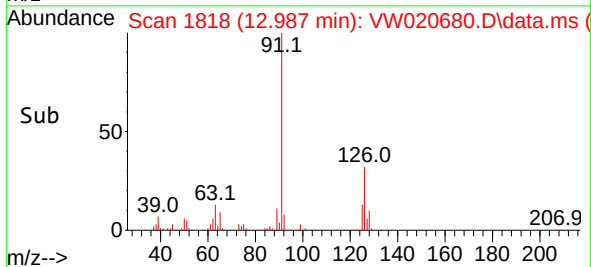
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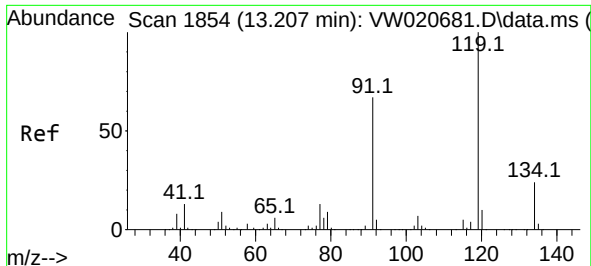


#82  
4-Chlorotoluene  
Concen: 18.719 ug/l  
RT: 12.987 min Scan# 1818  
Delta R.T. -0.000 min  
Lab File: VW020680.D  
Acq: 22 Oct 2021 13:36

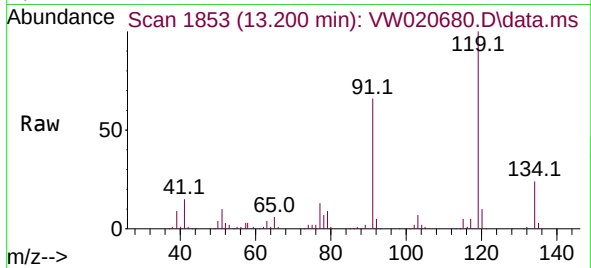


| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 32.9  | 16.8  | 50.4  |

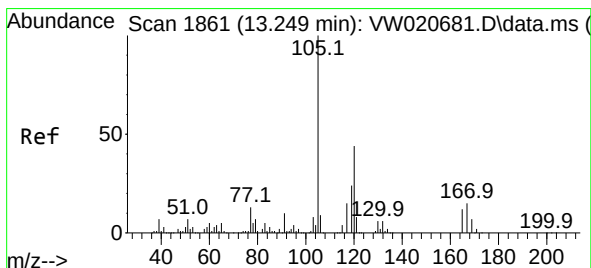
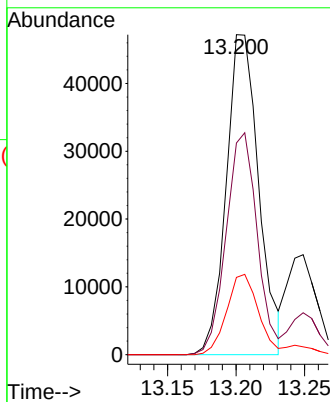
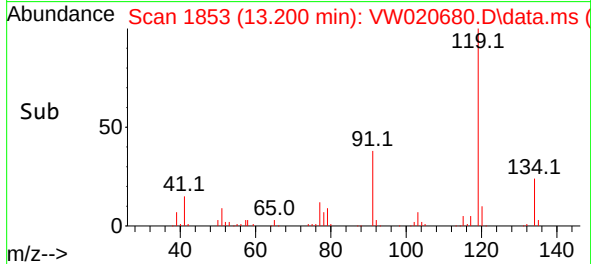




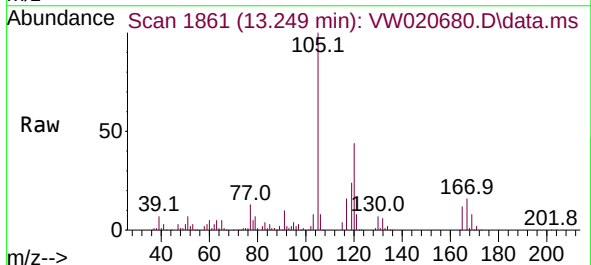
#83  
tert-Butylbenzene  
Concen: 18.887 ug/l  
RT: 13.200 min Scan# 1853  
Delta R.T. -0.007 min  
Lab File: VW020680.D  
Acq: 22 Oct 2021 13:36



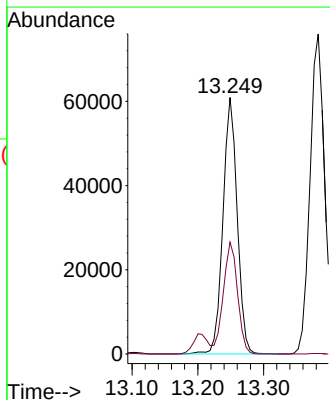
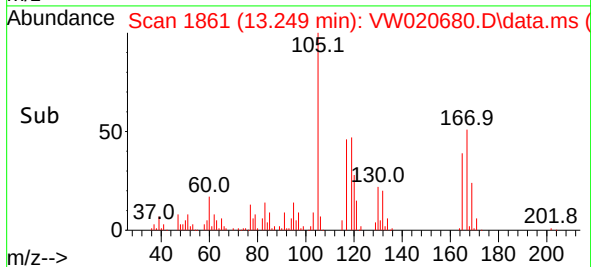
Tgt Ion:119 Resp: 77856  
Ion Ratio Lower Upper  
119 100  
91 66.4 32.9 98.7  
134 24.9 12.4 37.2



#84  
1,2,4-Trimethylbenzene  
Concen: 19.278 ug/l  
RT: 13.249 min Scan# 1861  
Delta R.T. -0.000 min  
Lab File: VW020680.D  
Acq: 22 Oct 2021 13:36



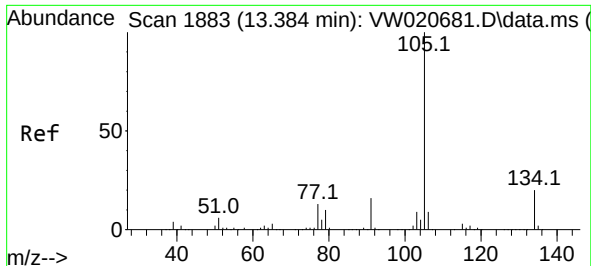
Tgt Ion:105 Resp: 91909  
Ion Ratio Lower Upper  
105 100  
120 43.8 22.6 67.7



Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

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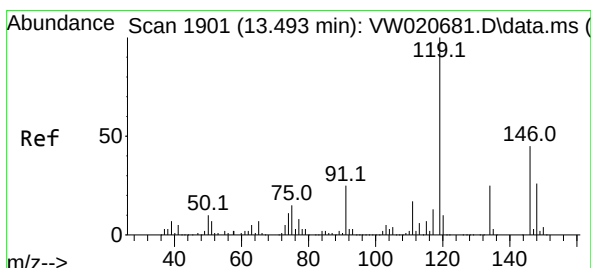
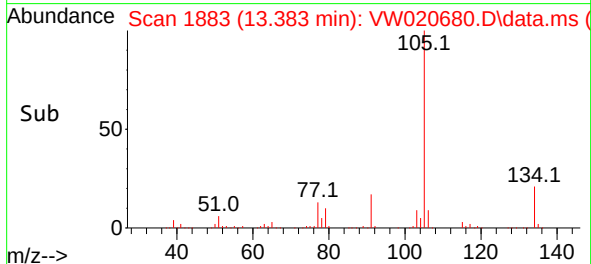
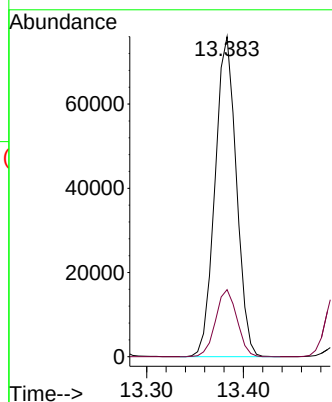
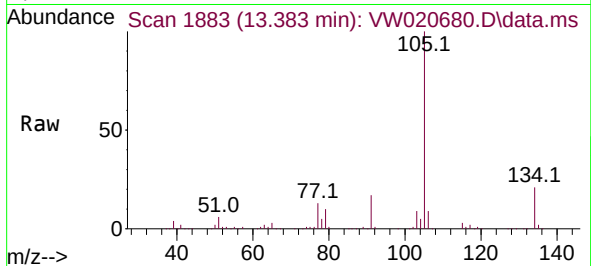
#85  
 sec-Butylbenzene  
 Concen: 18.701 ug/l  
 RT: 13.383 min Scan# 1883  
 Delta R.T. -0.000 min  
 Lab File: VW020680.D  
 Acq: 22 Oct 2021 13:36

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC020

Tgt Ion:105 Resp: 116329  
 Ion Ratio Lower Upper  
 105 100  
 134 21.0 10.1 30.3

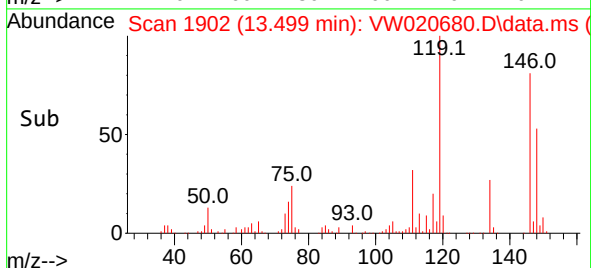
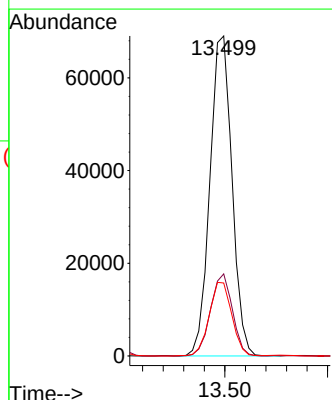
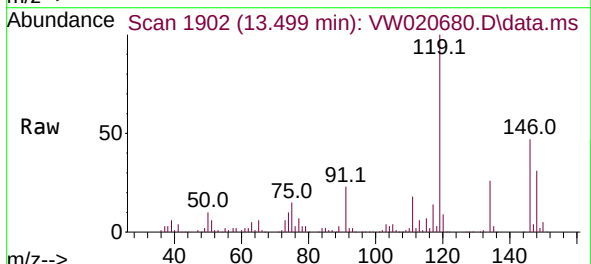
Manual Integrations  
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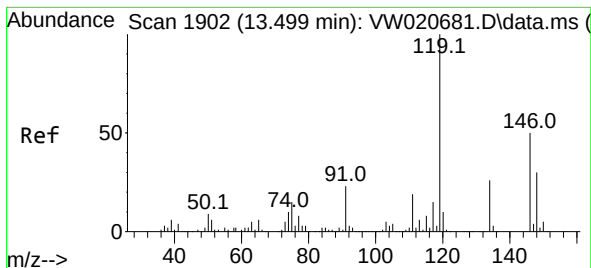
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#86  
 p-Isopropyltoluene  
 Concen: 19.775 ug/l  
 RT: 13.499 min Scan# 1902  
 Delta R.T. 0.006 min  
 Lab File: VW020680.D  
 Acq: 22 Oct 2021 13:36

Tgt Ion:119 Resp: 103214  
 Ion Ratio Lower Upper  
 119 100  
 134 25.4 13.0 38.9  
 91 23.6 12.0 36.0





#87

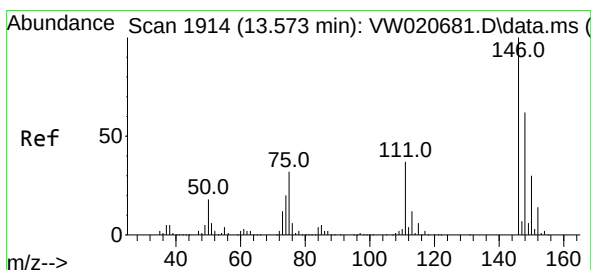
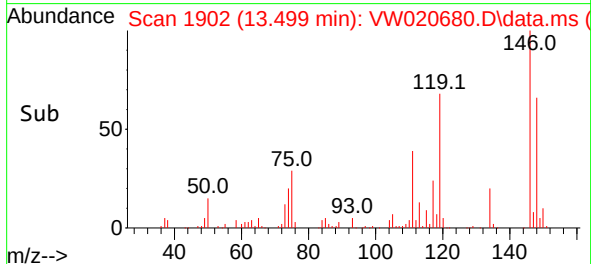
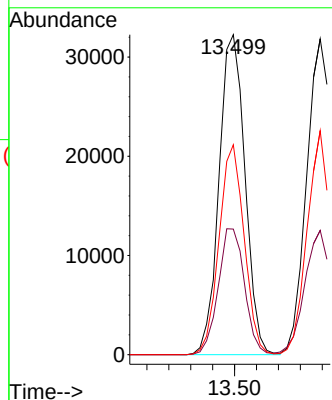
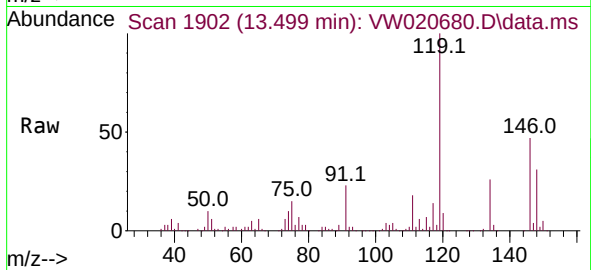
1,3-Dichlorobenzene  
Concen: 19.238 ug/l  
RT: 13.499 min Scan# 1902  
Delta R.T. -0.000 min  
Lab File: VW020680.D  
Acq: 22 Oct 2021 13:36

Tgt Ion:146 Resp: 53045  
Ion Ratio Lower Upper  
146 100  
111 39.9 19.4 58.2  
148 63.4 30.8 92.3

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

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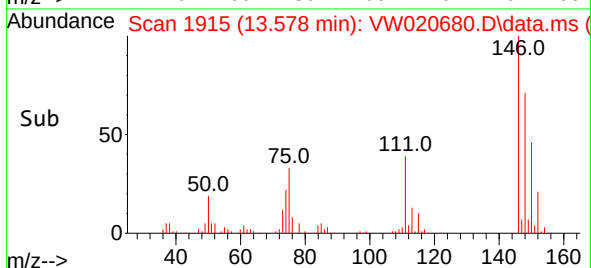
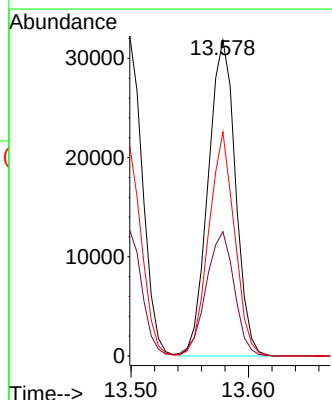
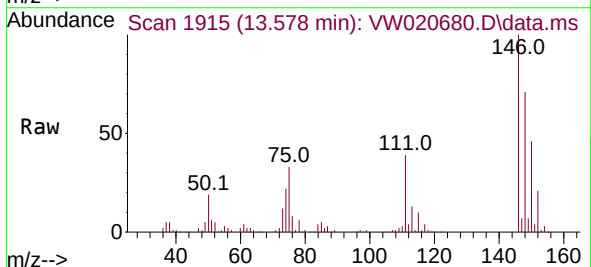
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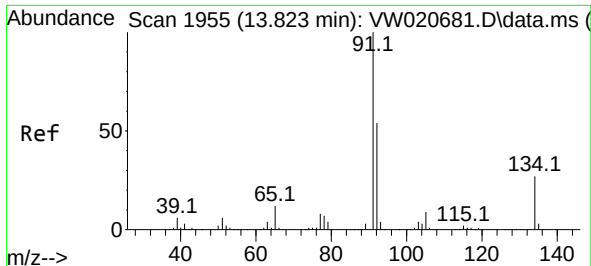
#88

1,4-Dichlorobenzene  
Concen: 18.841 ug/l  
RT: 13.578 min Scan# 1915  
Delta R.T. 0.006 min  
Lab File: VW020680.D  
Acq: 22 Oct 2021 13:36

Tgt Ion:146 Resp: 51448  
Ion Ratio Lower Upper  
146 100  
111 40.5 19.4 58.4  
148 67.0 32.4 97.2

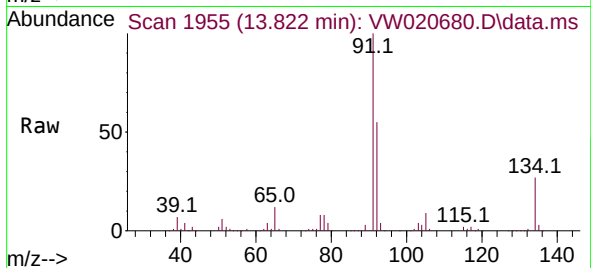






#89  
n-Butylbenzene  
Concen: 18.493 ug/l  
RT: 13.822 min Scan# 1955  
Delta R.T. -0.000 min  
Lab File: VW020680.D  
Acq: 22 Oct 2021 13:36

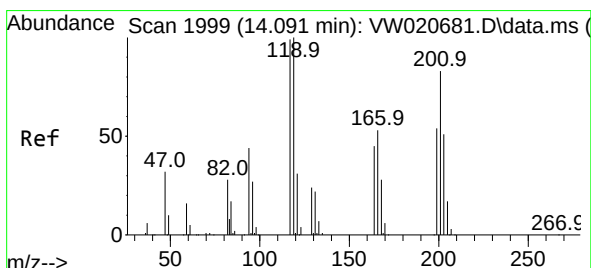
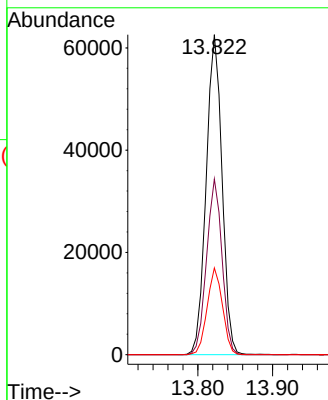
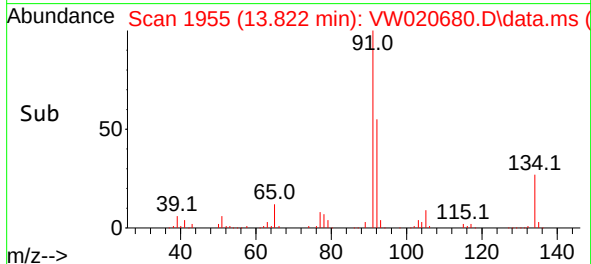
Instrument :  
MSVOA\_W  
ClientSampleId :  
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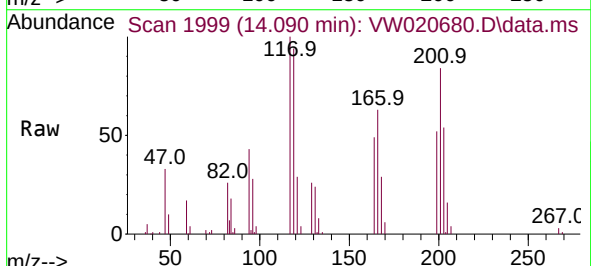
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 92306 |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 92       | 53.4  | 27.1  | 81.2  |
| 134      | 26.2  | 13.4  | 40.1  |

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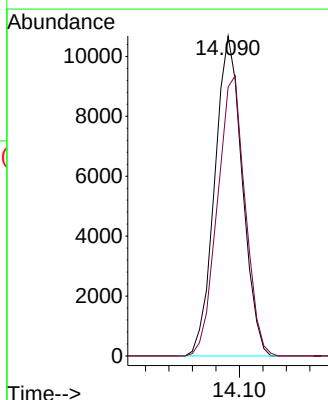
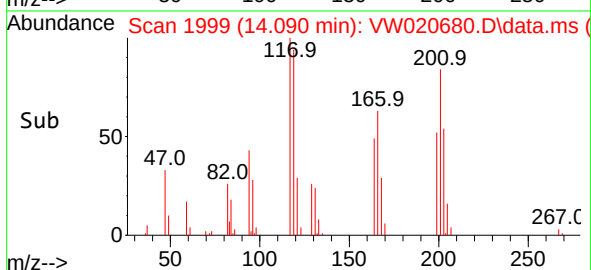
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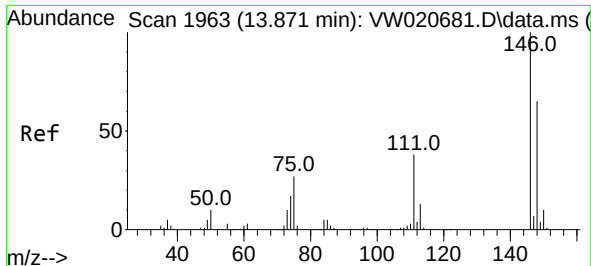


#90  
Hexachloroethane  
Concen: 17.649 ug/l  
RT: 14.090 min Scan# 1999  
Delta R.T. -0.000 min  
Lab File: VW020680.D  
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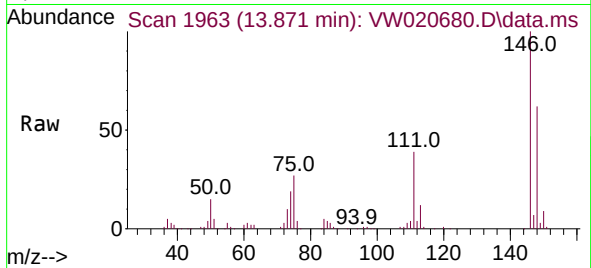


|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 17411 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 201      | 87.9  | 42.4  | 127.3 |

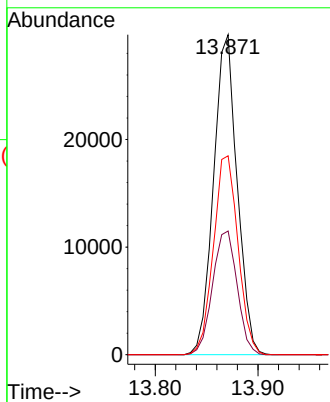
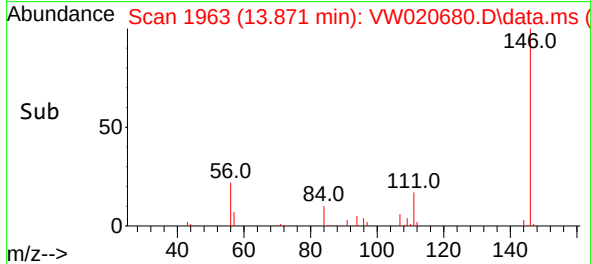




#91  
1,2-Dichlorobenzene  
Concen: 19.943 ug/l  
RT: 13.871 min Scan# 1963  
Delta R.T. -0.000 min  
Lab File: VW020680.D  
Acq: 22 Oct 2021 13:36



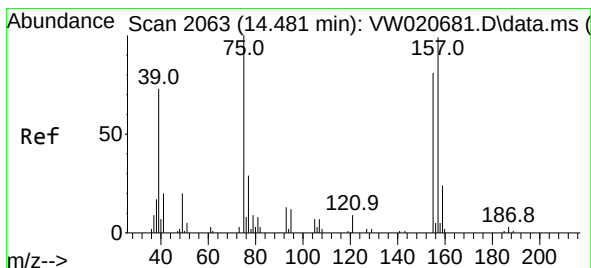
Tgt Ion:146 Resp: 47445  
Ion Ratio Lower Upper  
146 100  
111 40.2 20.4 61.3  
148 64.7 32.0 96.2



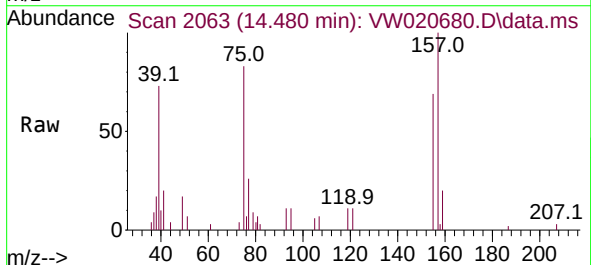
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

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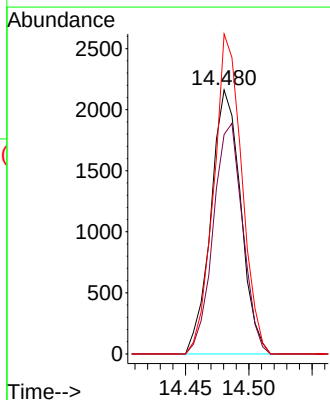
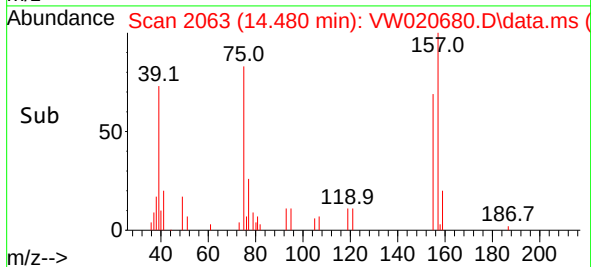
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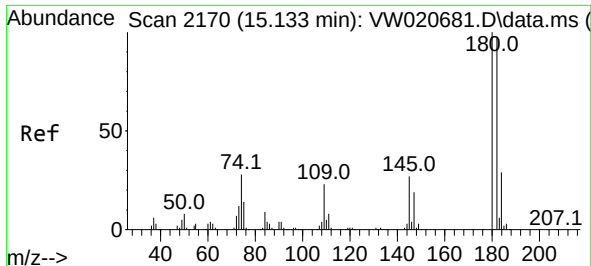


#92  
1,2-Dibromo-3-Chloropropane  
Concen: 20.351 ug/l  
RT: 14.480 min Scan# 2063  
Delta R.T. -0.000 min  
Lab File: VW020680.D  
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Tgt Ion: 75 Resp: 3535  
Ion Ratio Lower Upper  
75 100  
155 86.2 42.5 127.6  
157 114.3 53.4 160.2





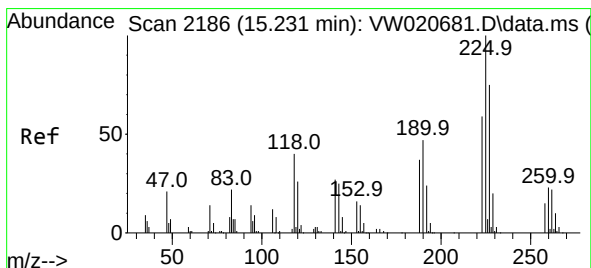
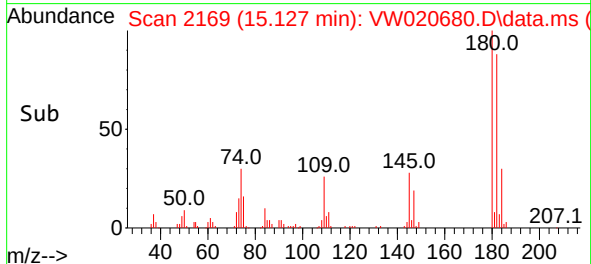
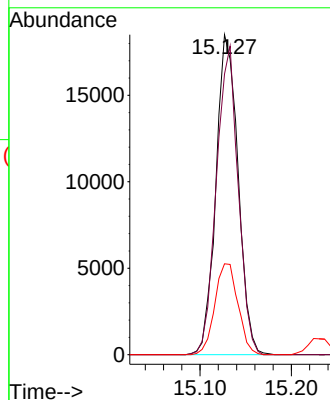
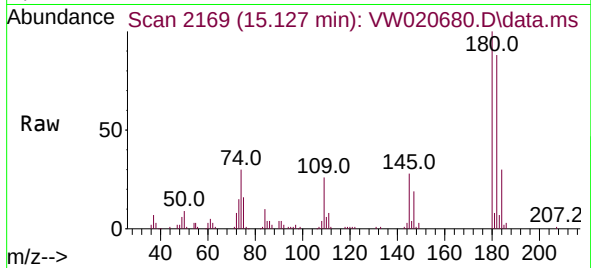
#93  
1,2,4-Trichlorobenzene  
Concen: 21.084 ug/l  
RT: 15.127 min Scan# 2169  
Delta R.T. -0.007 min  
Lab File: VW020680.D  
Acq: 22 Oct 2021 13:36

Instrument :  
MSVOA\_W  
ClientSampleId :  
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| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.6  | 49.4  | 148.2 |
| 145     | 29.7  | 15.2  | 45.6  |

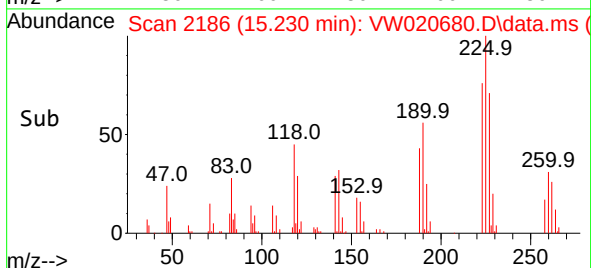
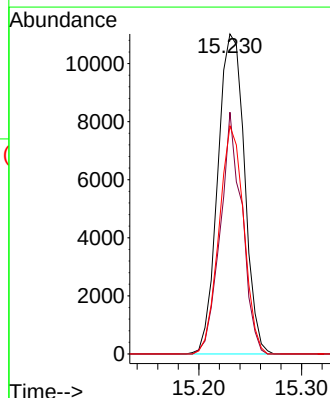
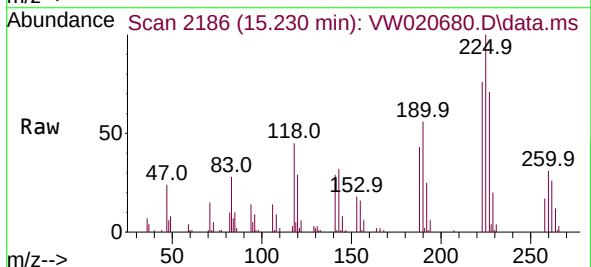
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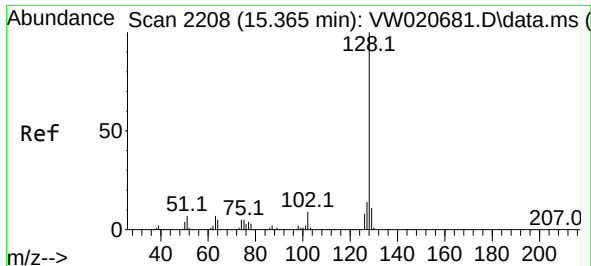
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#94  
Hexachlorobutadiene  
Concen: 22.327 ug/l  
RT: 15.230 min Scan# 2186  
Delta R.T. -0.000 min  
Lab File: VW020680.D  
Acq: 22 Oct 2021 13:36

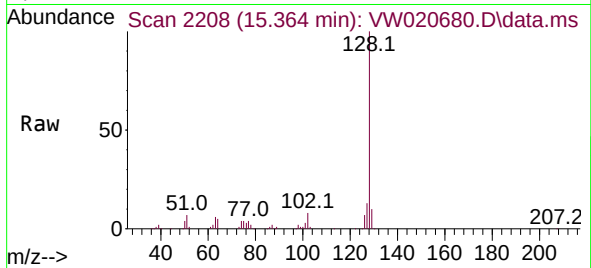
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 61.3  | 29.8  | 89.5  |
| 227     | 66.0  | 32.8  | 98.4  |





#95  
Naphthalene  
Concen: 21.327 ug/l  
RT: 15.364 min Scan# 2208  
Delta R.T. -0.000 min  
Lab File: VW020680.D  
Acq: 22 Oct 2021 13:36

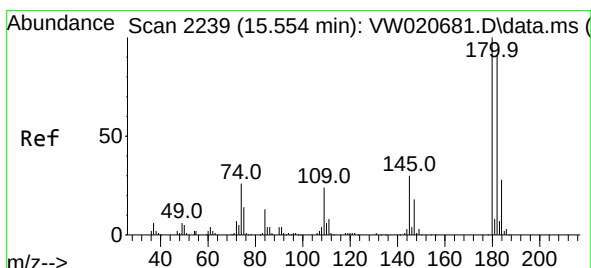
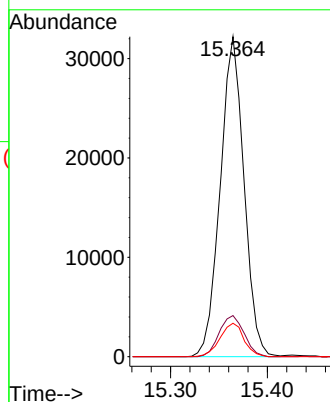
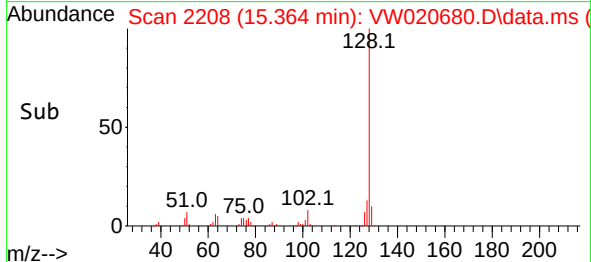
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020



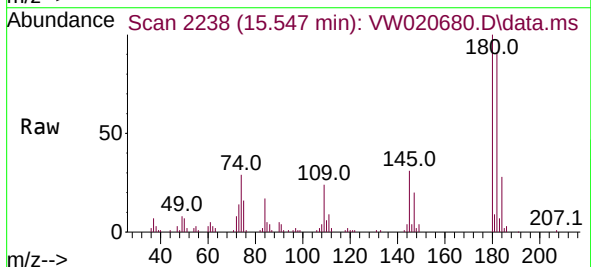
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.4  | 11.1  | 16.7  |
| 129     | 10.5  | 8.9   | 13.3  |

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#96  
1,2,3-Trichlorobenzene  
Concen: 21.421 ug/l  
RT: 15.547 min Scan# 2238  
Delta R.T. -0.007 min  
Lab File: VW020680.D  
Acq: 22 Oct 2021 13:36



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.7  | 46.4  | 139.2 |
| 145     | 32.2  | 15.7  | 47.0  |

