

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU101824\  
 Data File : VU061162.D  
 Acq On : 18 Oct 2024 13:49  
 Operator : MD/SY  
 Sample : P4368-07  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Oct 19 00:13:38 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U101724DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Sat Oct 19 00:10:10 2024  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon | Response | Conc  | Units   | Dev(Min) |
|------------------------------|--------|------|----------|-------|---------|----------|
| -----                        |        |      |          |       |         |          |
| Internal Standards           |        |      |          |       |         |          |
| 1) Fluorobenzene             | 6.110  | 96   | 26769    | 1.000 | ug/l    | # 0.00   |
| System Monitoring Compounds  |        |      |          |       |         |          |
| 57) 4-Bromofluorobenzene     | 10.631 | 95   | 13073    | 0.919 | ug/l    | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =     | 92.000% |          |
| 68) 1,2-Dichlorobenzene-d4   | 12.187 | 152  | 13376    | 0.954 | ug/l    | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =     | 95.000% |          |
| Target Compounds             |        |      |          |       |         |          |
|                              |        |      |          |       |         | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.383  | 85   | 3113     | 0.211 | ug/l    | 98       |
| 3) Chloromethane             | 1.515  | 50   | 3460     | 0.247 | ug/l    | 93       |
| 4) Vinyl Chloride            | 1.599  | 62   | 3051     | 0.212 | ug/l    | 94       |
| 5) Bromomethane              | 1.853  | 94   | 2199     | 0.243 | ug/l    | 86       |
| 6) Chloroethane              | 1.930  | 64   | 2317     | 0.240 | ug/l    | 97       |
| 7) Trichlorofluoromethane    | 2.133  | 101  | 4611     | 0.225 | ug/l    | 95       |
| 8) 1,1,2-Trichloro-1,2,2-... | 2.573  | 101  | 2396     | 0.235 | ug/l    | 94       |
| 9) 1,1-Dichloroethene        | 2.573  | 96   | 2519     | 0.237 | ug/l    | 88       |
| 10) Iodomethane              | 2.715  | 142  | 2483     | 0.196 | ug/l    | 94       |
| 11) Allyl Chloride           | 2.920  | 41   | 3530     | 0.258 | ug/l    | 99       |
| 12) Acrylonitrile            | 3.354  | 53   | 850      | 0.398 | ug/l #  | 62       |
| 13) Acetone                  | 2.647  | 43   | 1384     | 0.497 | ug/l    | 99       |
| 14) Carbon Disulfide         | 2.789  | 76   | 8679     | 0.237 | ug/l    | 99       |
| 15) Methylene Chloride       | 3.036  | 84   | 4173     | 0.304 | ug/l    | 90       |
| 16) trans-1,2-Dichloroethene | 3.351  | 96   | 2878     | 0.231 | ug/l    | 91       |
| 17) 1,1-Dichloroethane       | 3.859  | 63   | 4810     | 0.218 | ug/l #  | 92       |
| 18) 2-Butanone               | 4.756  | 43   | 634      | 0.186 | ug/l    | 74       |
| 19) Cyclohexane              | 5.383  | 56   | 4268     | 0.216 | ug/l    | 96       |
| 20) Methylcyclohexane        | 6.753  | 83   | 4707     | 0.213 | ug/l    | 96       |
| 21) 2,2-Dichloropropane      | 4.657  | 77   | 4415     | 0.217 | ug/l    | 98       |
| 22) cis-1,2-Dichloroethene   | 4.673  | 96   | 3074     | 0.227 | ug/l    | 97       |
| 23) Diethyl Ether            | 2.371  | 59   | 1807     | 0.219 | ug/l    | 95       |
| 24) tert-Butyl Alcohol       | 3.274  | 59   | 965      | 1.121 | ug/l #  | 88       |
| 25) Methyl tert-Butyl Ether  | 3.351  | 73   | 6270     | 0.220 | ug/l #  | 89       |
| 26) Bromochloromethane       | 4.972  | 128  | 1216     | 0.214 | ug/l    | 93       |
| 27) Chloroform               | 5.081  | 83   | 5694     | 0.246 | ug/l    | 91       |
| 28) 1,1,1-Trichloroethane    | 5.309  | 97   | 4607     | 0.226 | ug/l    | 94       |
| 29) 1,1-Dichloropropene      | 5.525  | 75   | 3707     | 0.205 | ug/l    | 97       |
| 30) Carbon Tetrachloride     | 5.515  | 117  | 3499     | 0.198 | ug/l    | 98       |
| 31) Isopropyl Ether          | 3.985  | 45   | 6837     | 0.217 | ug/l    | 90       |
| 32) Ethyl-t-butyl ether      | 4.489  | 59   | 3601     | 0.111 | ug/l #  | 45       |
| 33) Tert-Amyl methyl ether   | 5.936  | 73   | 6612     | 0.227 | ug/l    | 94       |
| 34) Propionitrile            | 4.850  | 54   | 416      | 0.511 | ug/l #  | 69       |
| 35) Benzene                  | 5.769  | 78   | 11686    | 0.230 | ug/l    | 93       |
| 36) 1,2-Dichloroethane       | 5.792  | 62   | 3166     | 0.221 | ug/l    | 98       |
| 37) Trichloroethene          | 6.538  | 130  | 3140     | 0.232 | ug/l    | 94       |
| 38) 1,2-Dichloropropane      | 6.788  | 63   | 2850     | 0.221 | ug/l    | 98       |
| 39) Methacrylonitrile        | 4.997  | 41   | 133      | 0.045 | ug/l #  | 15       |
| 40) Methyl acrylate          | 4.843  | 55   | 20       | 0.003 | ug/l #  | 68       |
| 41) Tetrahydrofuran          | 5.084  | 42   | 715      | 0.406 | ug/l #  | 34       |
| 42) 1-Chlorobutane           | 5.454  | 56   | 5086     | 0.220 | ug/l    | 96       |
| 43) Dibromomethane           | 6.920  | 93   | 1487     | 0.223 | ug/l    | 96       |
| 44) Bromodichloromethane     | 7.100  | 83   | 3491     | 0.215 | ug/l #  | 97       |

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 Sample : P4368-07  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Oct 19 00:13:38 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U101724DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Sat Oct 19 00:10:10 2024  
 Response via : Initial Calibration

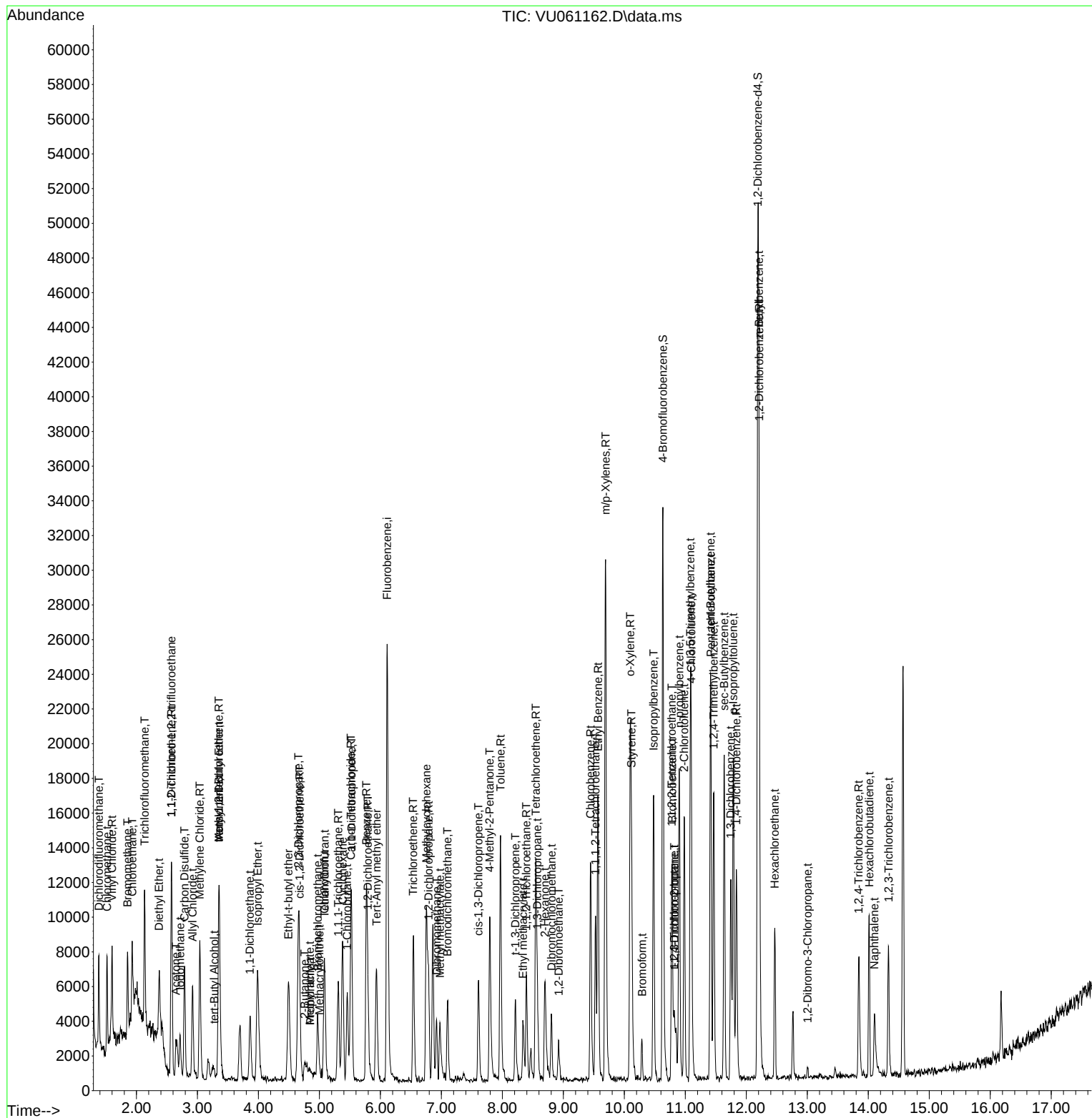
| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 45) 4-Methyl-2-Pentanone      | 7.792  | 43   | 7327     | 1.094 | ug/l   | 96       |
| 46) t-1,4-Dichloro-2-butene   | 10.820 | 75   | 1788     | 0.669 | ug/l # | 55       |
| 47) Methyl methacrylate       | 6.975  | 69   | 2389     | 0.412 | ug/l   | 96       |
| 48) Ethyl methacrylate        | 8.338  | 69   | 2107     | 0.170 | ug/l   | 97       |
| 49) Toluene                   | 7.968  | 92   | 7293     | 0.227 | ug/l   | 95       |
| 50) t-1,3-Dichloropropene     | 8.213  | 75   | 3273     | 0.209 | ug/l   | 94       |
| 51) cis-1,3-Dichloropropene   | 7.608  | 75   | 4259     | 0.222 | ug/l   | 97       |
| 52) 1,1,2-Trichloroethane     | 8.393  | 97   | 1787     | 0.199 | ug/l # | 86       |
| 53) 1,3-Dichloropropane       | 8.573  | 76   | 3666     | 0.232 | ug/l   | 98       |
| 54) 2-Hexanone                | 8.698  | 43   | 4925     | 0.895 | ug/l   | 99       |
| 55) Dibromochloromethane      | 8.804  | 129  | 2187     | 0.206 | ug/l   | 100      |
| 56) 1,2-Dibromoethane         | 8.923  | 107  | 1691     | 0.196 | ug/l   | 87       |
| 58) Tetrachloroethene         | 8.547  | 164  | 2722     | 0.237 | ug/l   | 92       |
| 59) Chlorobenzene             | 9.444  | 112  | 7958     | 0.230 | ug/l   | 99       |
| 60) 1,1,1,2-Tetrachloroethane | 9.525  | 131  | 2668     | 0.229 | ug/l   | 95       |
| 61) Pentachloroethane         | 11.418 | 117  | 1789     | 0.200 | ug/l   | 96       |
| 62) Hexachloroethane          | 12.463 | 117  | 1626     | 0.177 | ug/l   | 97       |
| 63) Ethyl Benzene             | 9.566  | 91   | 13277    | 0.214 | ug/l   | 100      |
| 64) m/p-Xylenes               | 9.692  | 106  | 9763     | 0.414 | ug/l   | 90       |
| 65) o-Xylene                  | 10.097 | 106  | 5044     | 0.217 | ug/l   | 87       |
| 66) Styrene                   | 10.116 | 104  | 7020     | 0.194 | ug/l   | 88       |
| 67) Bromoform                 | 10.290 | 173  | 921      | 0.166 | ug/l # | 96       |
| 69) Isopropylbenzene          | 10.480 | 105  | 12089    | 0.219 | ug/l   | 97       |
| 70) 1,1,2,2-Tetrachloroethane | 10.775 | 83   | 2454     | 0.224 | ug/l # | 96       |
| 71) 1,2,3-Trichloropropane    | 10.820 | 75   | 1788     | 0.201 | ug/l # | 92       |
| 72) Bromobenzene              | 10.782 | 156  | 2961     | 0.223 | ug/l   | 83       |
| 73) n-propylbenzene           | 10.901 | 120  | 3197     | 0.198 | ug/l   | 86       |
| 74) 2-Chlorotoluene           | 10.981 | 126  | 3094     | 0.222 | ug/l   | 91       |
| 75) 1,3,5-Trimethylbenzene    | 11.081 | 105  | 10530    | 0.211 | ug/l   | 96       |
| 76) 4-Chlorotoluene           | 11.097 | 126  | 3089     | 0.218 | ug/l   | 99       |
| 77) tert-Butylbenzene         | 11.412 | 119  | 10633    | 0.216 | ug/l   | 97       |
| 78) 1,2,4-Trimethylbenzene    | 11.463 | 105  | 10729    | 0.213 | ug/l   | 98       |
| 79) sec-Butylbenzene          | 11.637 | 105  | 13661    | 0.213 | ug/l   | 97       |
| 81) p-Isopropyltoluene        | 11.785 | 119  | 10926    | 0.206 | ug/l   | 98       |
| 82) 1,3-Dichlorobenzene       | 11.743 | 146  | 5327     | 0.209 | ug/l   | 98       |
| 83) 1,4-Dichlorobenzene       | 11.836 | 146  | 5870     | 0.231 | ug/l   | 97       |
| 84) n-Butylbenzene            | 12.206 | 91   | 9268     | 0.188 | ug/l   | 97       |
| 85) 1,2-Dichlorobenzene       | 12.209 | 146  | 5436     | 0.228 | ug/l   | 97       |
| 86) 1,2-Dibromo-3-Chloropr... | 13.004 | 75   | 164      | 0.101 | ug/l # | 75       |
| 87) 1,2,4-Trichlorobenzene    | 13.843 | 180  | 2934     | 0.215 | ug/l   | 85       |
| 88) Hexachlorobutadiene       | 14.016 | 225  | 1710     | 0.222 | ug/l   | 93       |
| 89) Naphthalene               | 14.100 | 128  | 6101     | 0.254 | ug/l # | 86       |
| 90) 1,2,3-Trichlorobenzene    | 14.331 | 180  | 2937     | 0.240 | ug/l   | 98       |

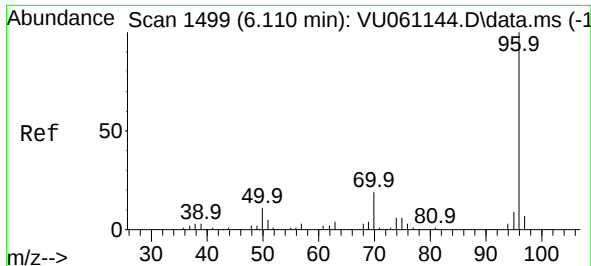
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 10 Sample Multiplier: 1

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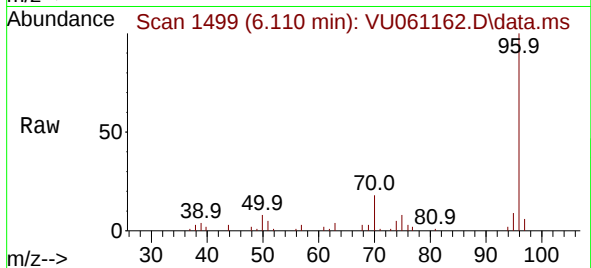
Quant Time: Oct 19 00:13:38 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U101724DW.M  
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
QLast Update : Sat Oct 19 00:10:10 2024  
Response via : Initial Calibration



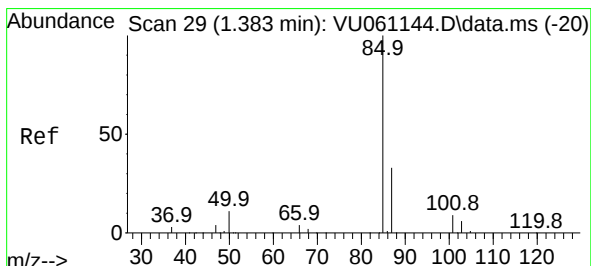
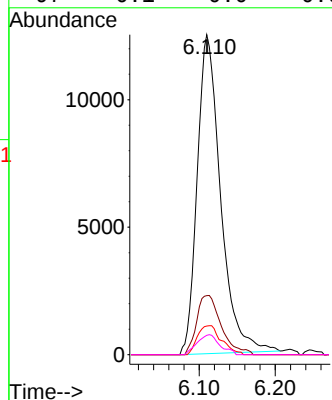
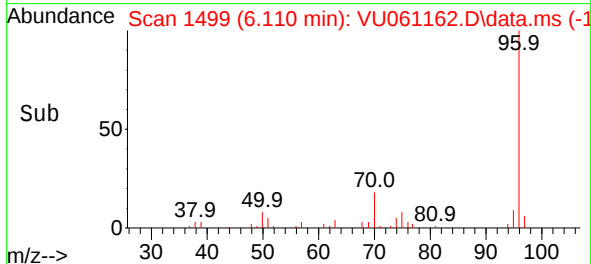


#1  
Fluorobenzene  
Concen: 1.000 ug/l  
RT: 6.110 min Scan# 1499  
Delta R.T. -0.000 min  
Lab File: VU061162.D  
Acq: 18 Oct 2024 13:49

Instrument :  
MSVOA\_U  
ClientSampleId :

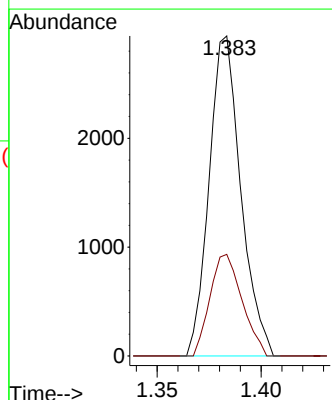
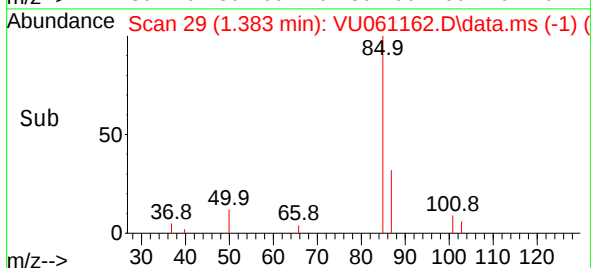
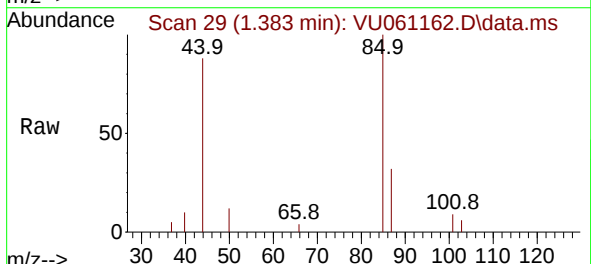


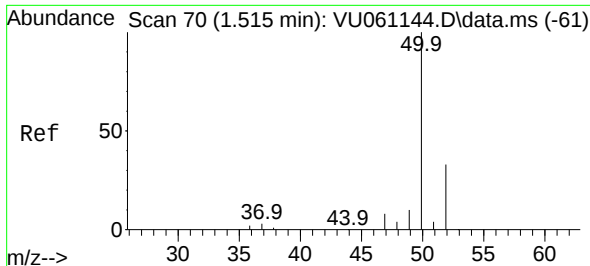
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 26769 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 70       | 19.4  | 16.1  | 24.1  |
| 95       | 9.2   | 0.0   | 0.0#  |
| 97       | 6.1   | 0.0   | 0.0#  |



#2  
Dichlorodifluoromethane  
Concen: 0.211 ug/l  
RT: 1.383 min Scan# 29  
Delta R.T. -0.000 min  
Lab File: VU061162.D  
Acq: 18 Oct 2024 13:49

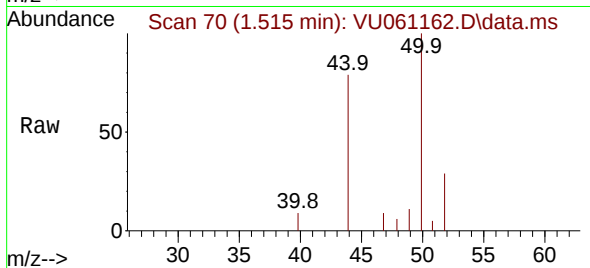
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 85    | Resp: | 3113  |
| Ion      | Ratio | Lower | Upper |
| 85       | 100   |       |       |
| 87       | 31.7  | 16.3  | 48.9  |



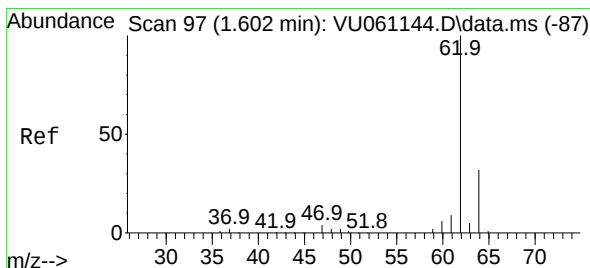
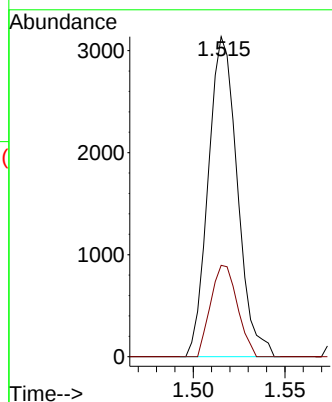
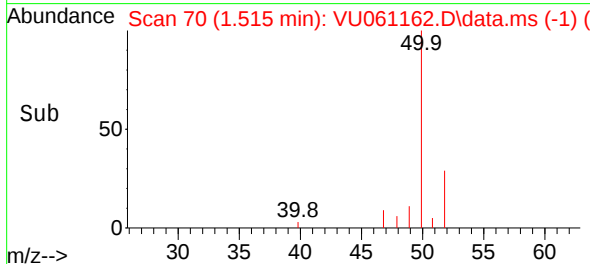


#3  
Chloromethane  
Concen: 0.247 ug/l  
RT: 1.515 min Scan# 70  
Delta R.T. -0.000 min  
Lab File: VU061162.D  
Acq: 18 Oct 2024 13:49

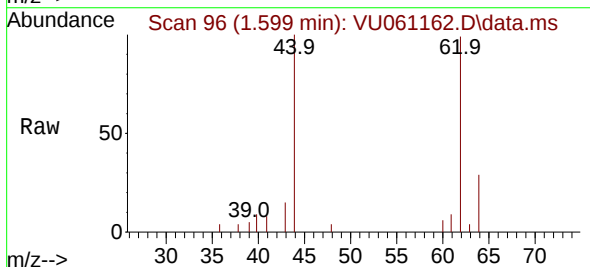
Instrument :  
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ClientSampleId :



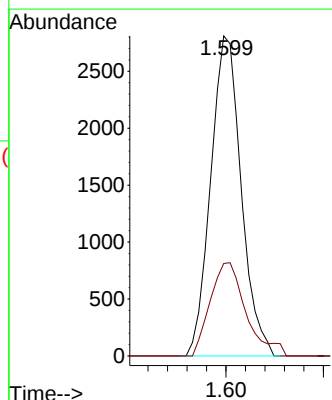
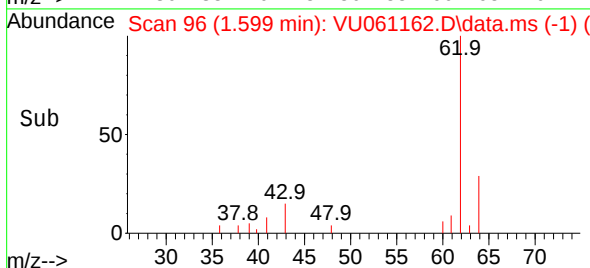
Tgt Ion: 50 Resp: 3460  
Ion Ratio Lower Upper  
50 100  
52 28.5 26.2 39.2

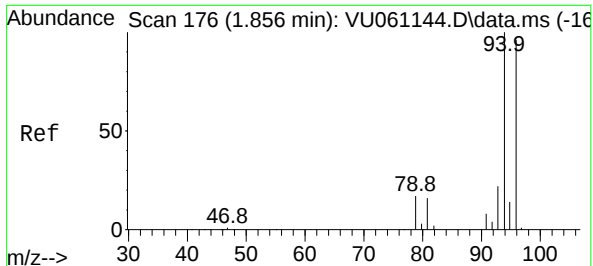


#4  
Vinyl Chloride  
Concen: 0.212 ug/l  
RT: 1.599 min Scan# 96  
Delta R.T. -0.003 min  
Lab File: VU061162.D  
Acq: 18 Oct 2024 13:49



Tgt Ion: 62 Resp: 3051  
Ion Ratio Lower Upper  
62 100  
64 28.9 25.9 38.9

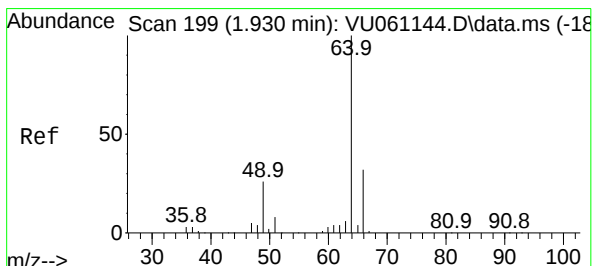
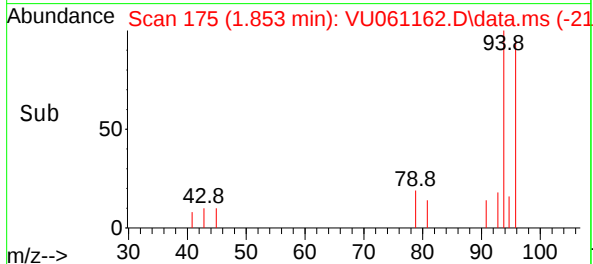
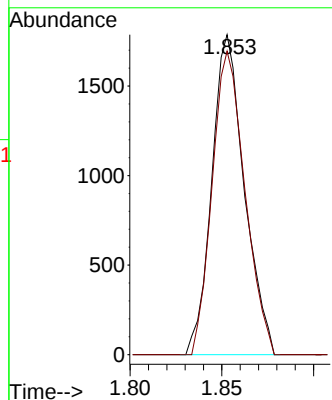
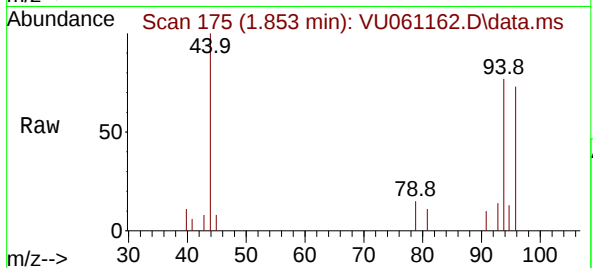




#5  
Bromomethane  
Concen: 0.243 ug/l  
RT: 1.853 min Scan# 1  
Delta R.T. -0.003 min  
Lab File: VU061162.D  
Acq: 18 Oct 2024 13:49

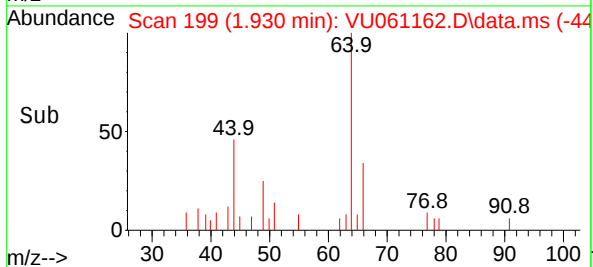
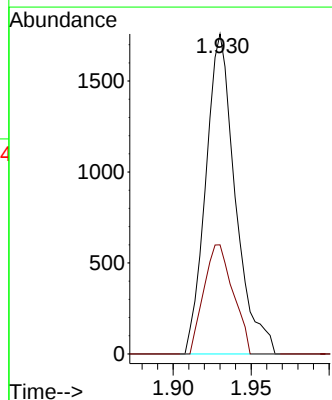
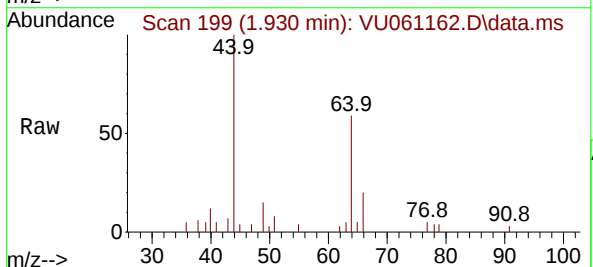
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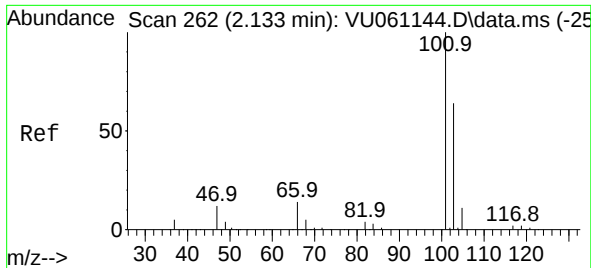
Tgt Ion: 94 Resp: 2199  
Ion Ratio Lower Upper  
94 100  
96 81.5 76.5 114.7



#6  
Chloroethane  
Concen: 0.240 ug/l  
RT: 1.930 min Scan# 199  
Delta R.T. -0.000 min  
Lab File: VU061162.D  
Acq: 18 Oct 2024 13:49

Tgt Ion: 64 Resp: 2317  
Ion Ratio Lower Upper  
64 100  
66 34.1 25.8 38.8

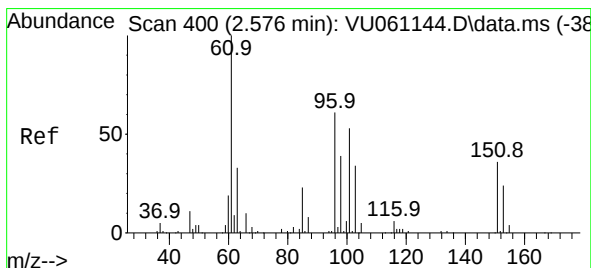
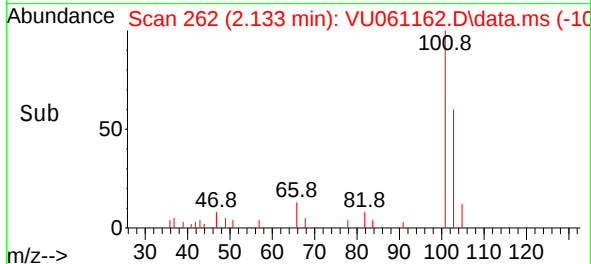
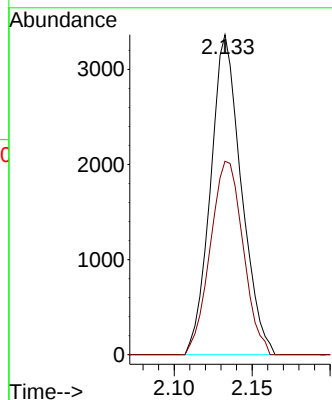
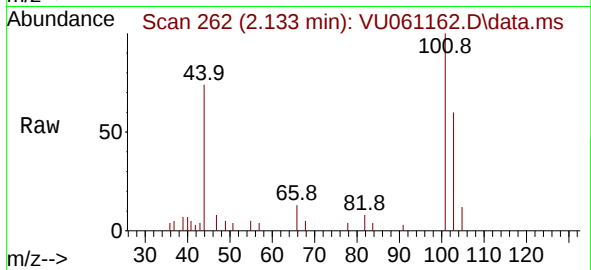




#7  
Trichlorofluoromethane  
Concen: 0.225 ug/l  
RT: 2.133 min Scan# 201  
Delta R.T. -0.000 min  
Lab File: VU061162.D  
Acq: 18 Oct 2024 13:49

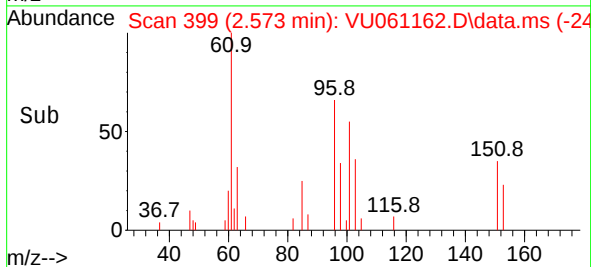
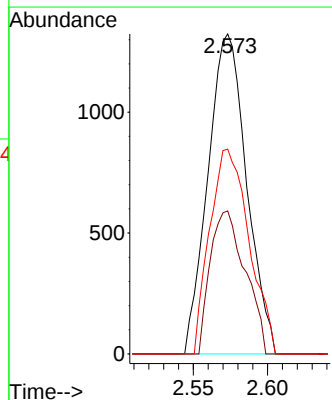
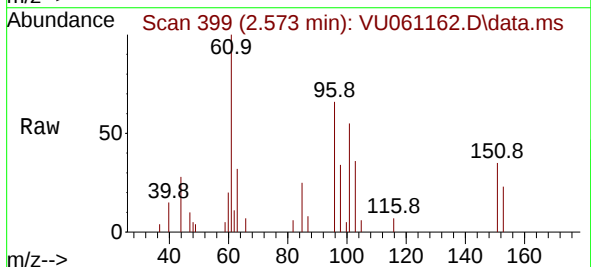
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MSVOA\_U  
ClientSampleId :

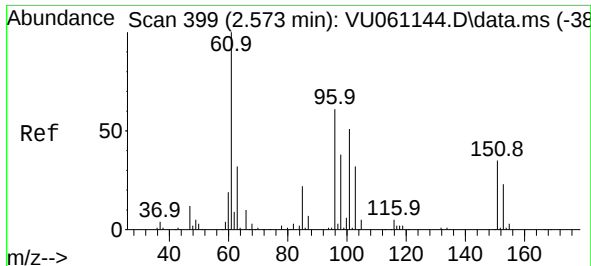
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Ion Ratio Lower Upper  
101 100  
103 60.5 51.5 77.3



#8  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 0.235 ug/l  
RT: 2.573 min Scan# 399  
Delta R.T. -0.003 min  
Lab File: VU061162.D  
Acq: 18 Oct 2024 13:49

Tgt Ion:101 Resp: 2396  
Ion Ratio Lower Upper  
101 100  
85 40.5 35.8 53.8  
151 65.2 56.2 84.4

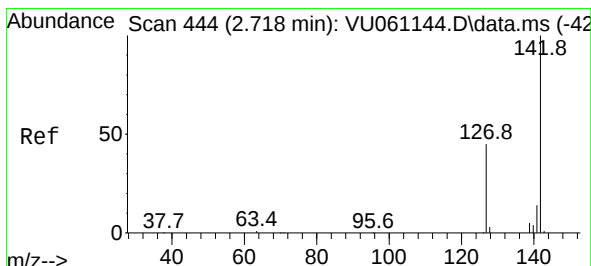
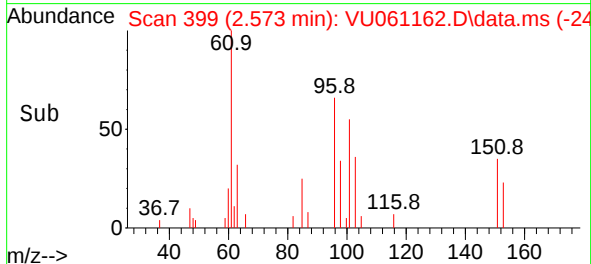
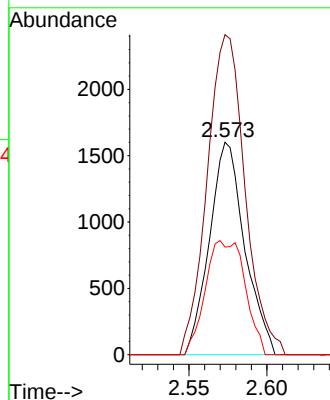
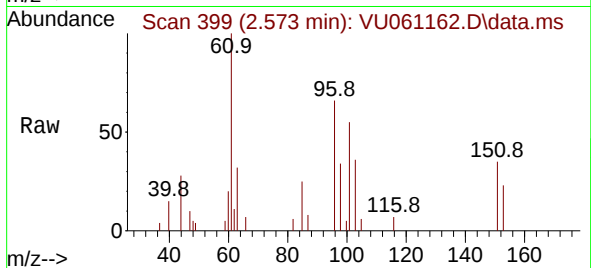




#9  
1,1-Dichloroethene  
Concen: 0.237 ug/l  
RT: 2.573 min Scan# 399  
Delta R.T. -0.000 min  
Lab File: VU061162.D  
Acq: 18 Oct 2024 13:49

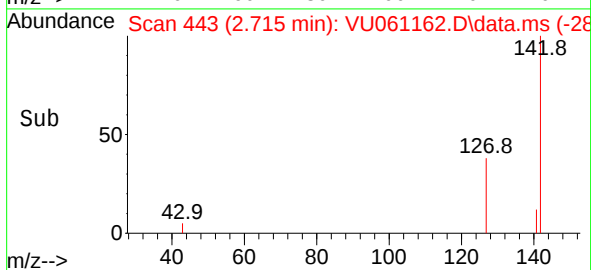
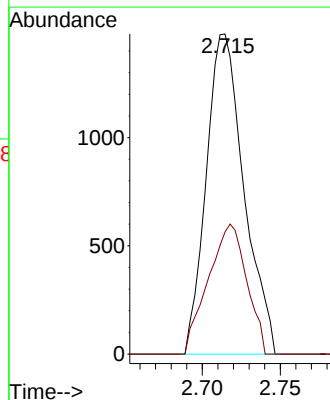
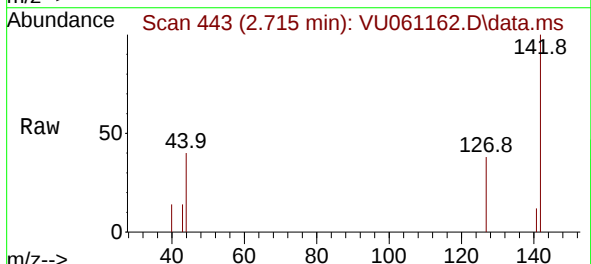
Instrument :  
MSVOA\_U  
ClientSampleId :

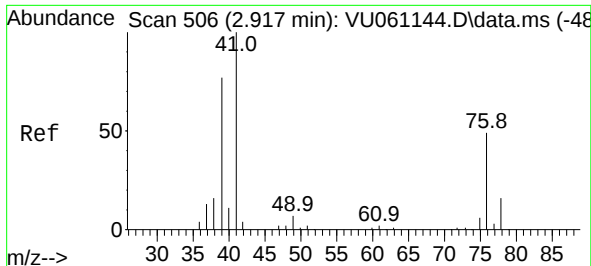
Tgt Ion: 96 Resp: 2519  
Ion Ratio Lower Upper  
96 100  
61 150.6 0.0 494.4  
98 50.7 0.0 124.4



#10  
Iodomethane  
Concen: 0.196 ug/l  
RT: 2.715 min Scan# 443  
Delta R.T. -0.003 min  
Lab File: VU061162.D  
Acq: 18 Oct 2024 13:49

Tgt Ion: 142 Resp: 2483  
Ion Ratio Lower Upper  
142 100  
127 41.4 36.2 54.4





#11

Allyl Chloride

Concen: 0.258 ug/l

RT: 2.920 min Scan# 506

Delta R.T. 0.003 min

Lab File: VU061162.D

Acq: 18 Oct 2024 13:49

Instrument :

MSVOA\_U

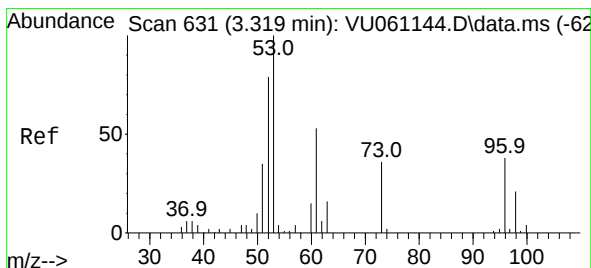
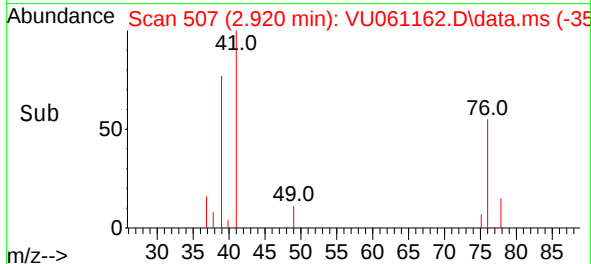
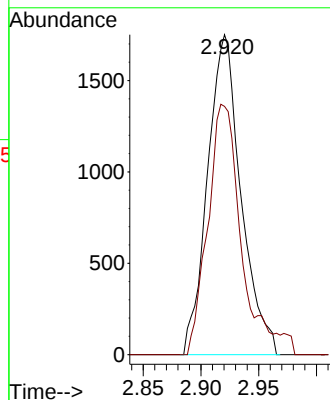
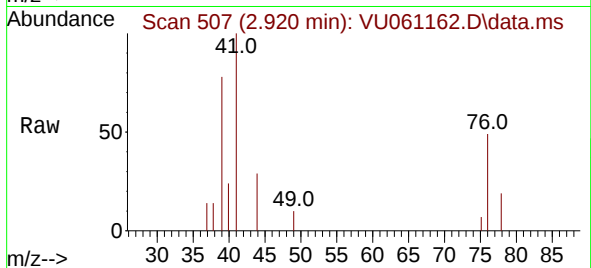
ClientSampleId :

Tgt Ion: 41 Resp: 3530

Ion Ratio Lower Upper

41 100

39 78.6 62.4 93.6



#12

Acrylonitrile

Concen: 0.398 ug/l

RT: 3.354 min Scan# 642

Delta R.T. 0.035 min

Lab File: VU061162.D

Acq: 18 Oct 2024 13:49

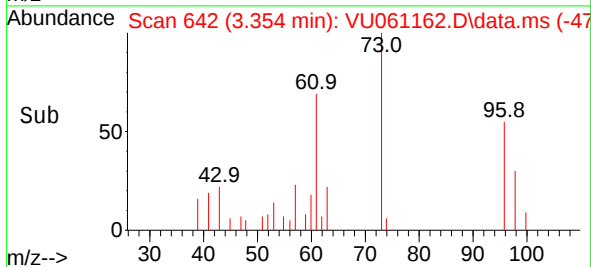
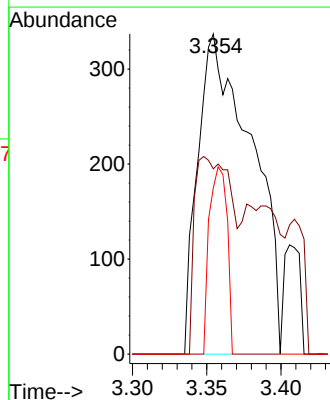
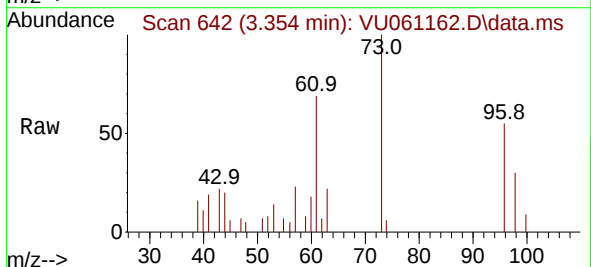
Tgt Ion: 53 Resp: 850

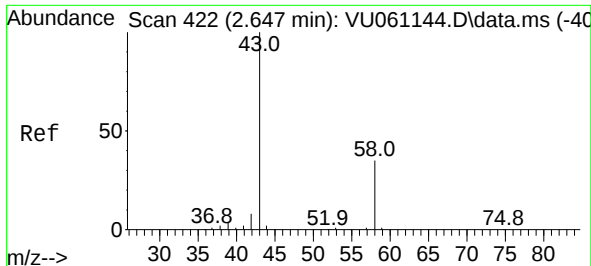
Ion Ratio Lower Upper

53 100

52 42.2 62.6 94.0#

51 19.2 30.7 46.1#





#13

Acetone

Concen: 0.497 ug/l

RT: 2.647 min Scan# 422

Delta R.T. -0.000 min

Lab File: VU061162.D

Acq: 18 Oct 2024 13:49

Instrument :

MSVOA\_U

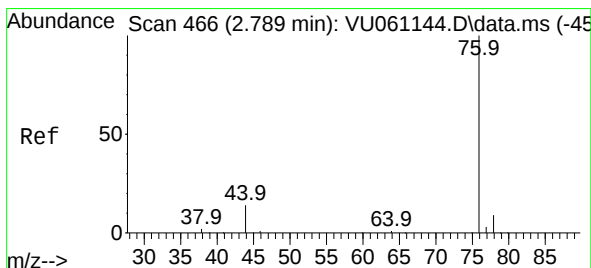
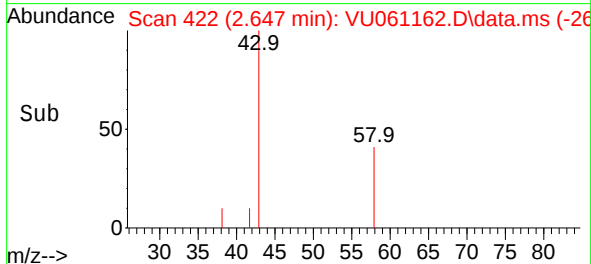
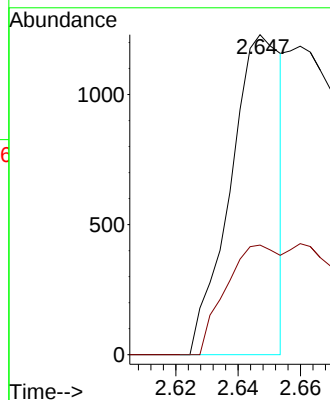
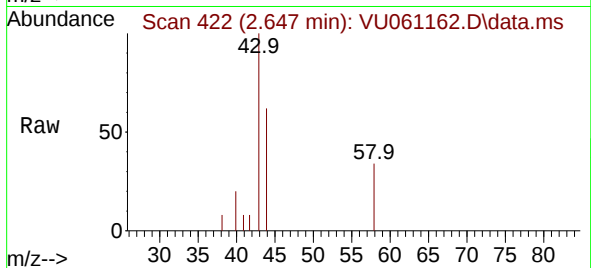
ClientSampleId :

Tgt Ion: 43 Resp: 1384

Ion Ratio Lower Upper

43 100

58 34.2 27.9 41.9



#14

Carbon Disulfide

Concen: 0.237 ug/l

RT: 2.789 min Scan# 466

Delta R.T. -0.000 min

Lab File: VU061162.D

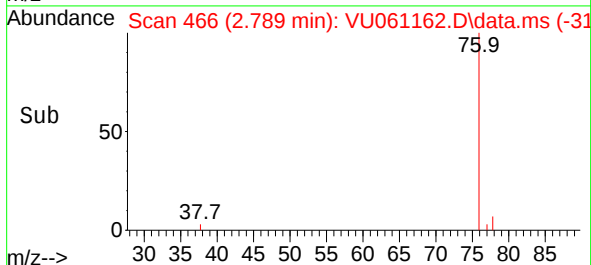
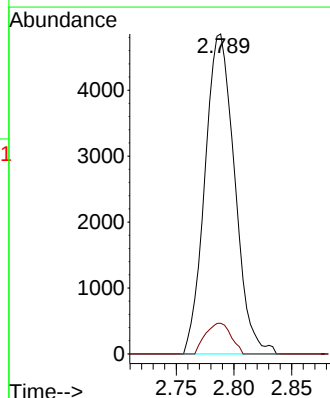
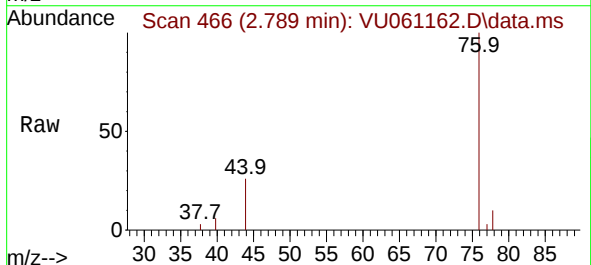
Acq: 18 Oct 2024 13:49

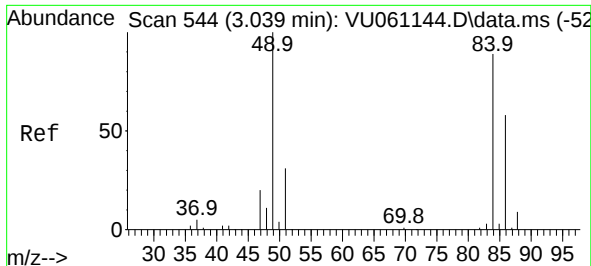
Tgt Ion: 76 Resp: 8679

Ion Ratio Lower Upper

76 100

78 9.6 7.4 11.0





#15

Methylene Chloride

Concen: 0.304 ug/l

RT: 3.036 min Scan# 544

Delta R.T. -0.003 min

Lab File: VU061162.D

Acq: 18 Oct 2024 13:49

Instrument :

MSVOA\_U

ClientSampleId :

Tgt Ion: 84 Resp: 4173

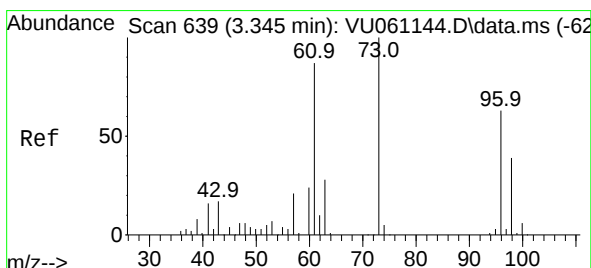
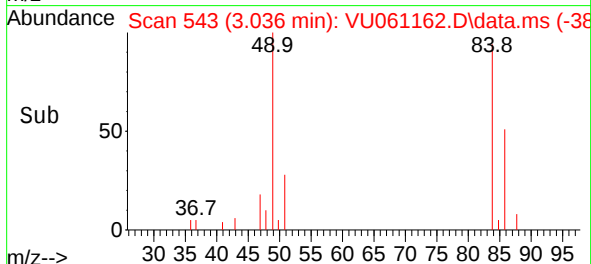
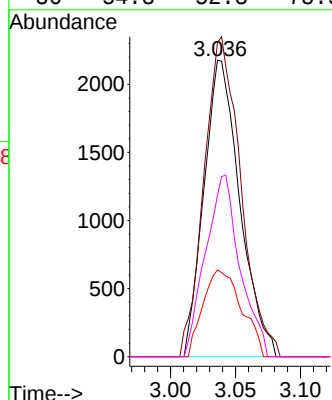
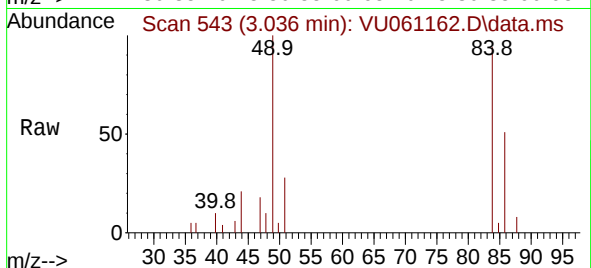
Ion Ratio Lower Upper

84 100

49 105.8 90.4 135.6

51 29.2 0.0 70.6

86 54.3 52.3 78.5



#16

trans-1,2-Dichloroethene

Concen: 0.231 ug/l

RT: 3.351 min Scan# 641

Delta R.T. 0.006 min

Lab File: VU061162.D

Acq: 18 Oct 2024 13:49

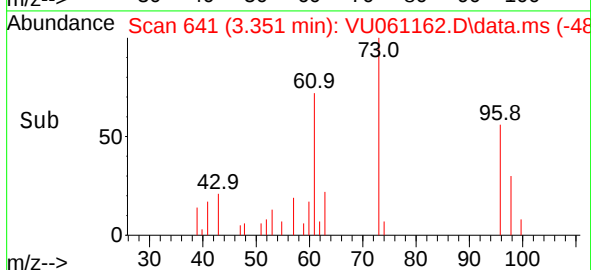
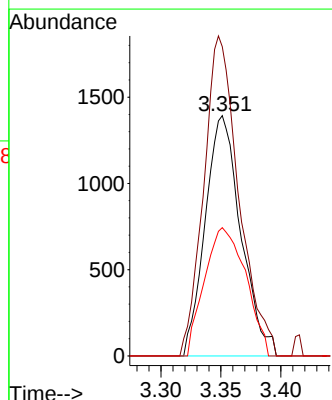
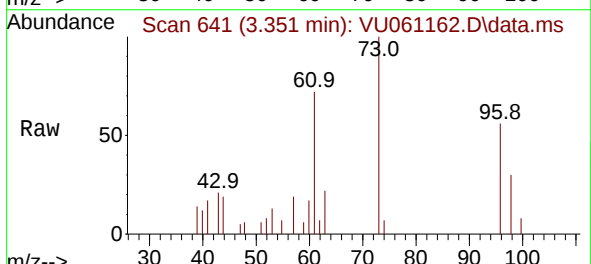
Tgt Ion: 96 Resp: 2878

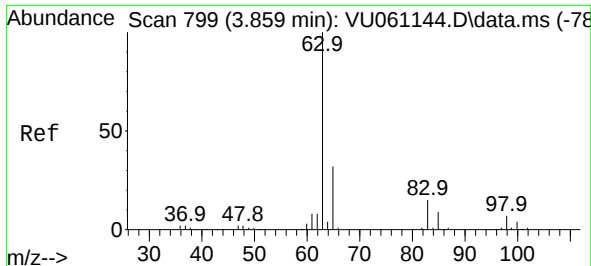
Ion Ratio Lower Upper

96 100

61 128.7 110.6 166.0

98 53.4 49.8 74.8

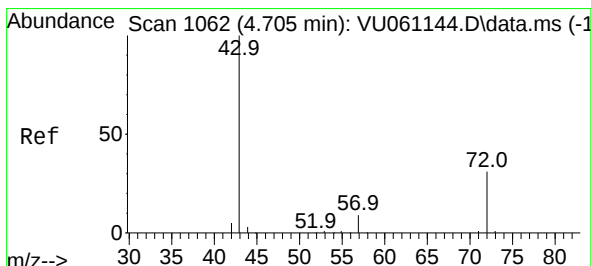
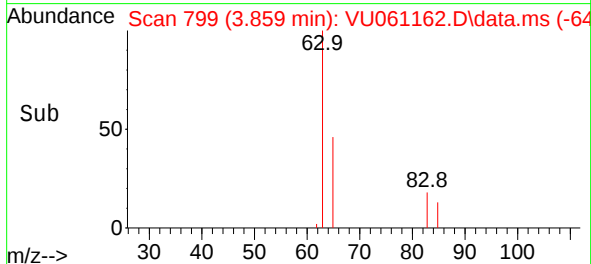
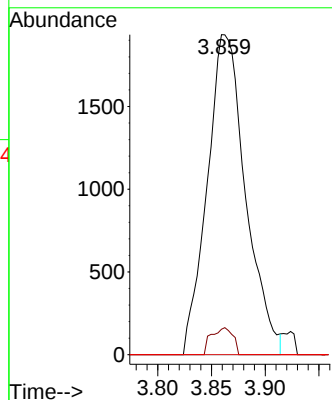
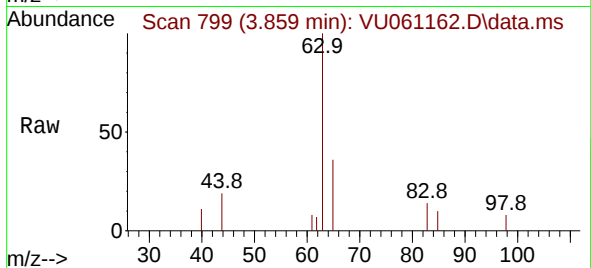




#17  
1,1-Dichloroethane  
Concen: 0.218 ug/l  
RT: 3.859 min Scan# 799  
Delta R.T. -0.000 min  
Lab File: VU061162.D  
Acq: 18 Oct 2024 13:49

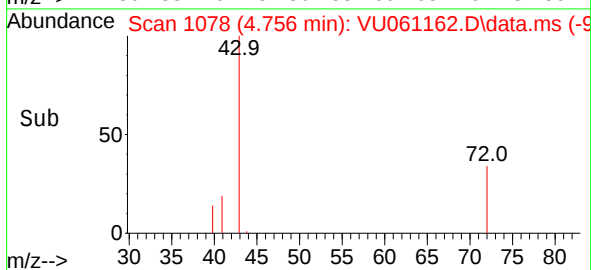
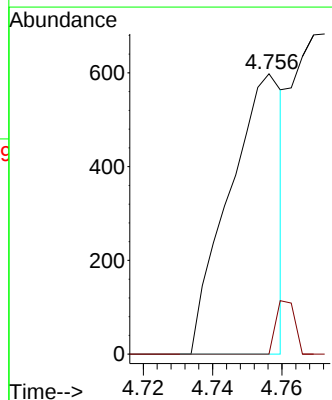
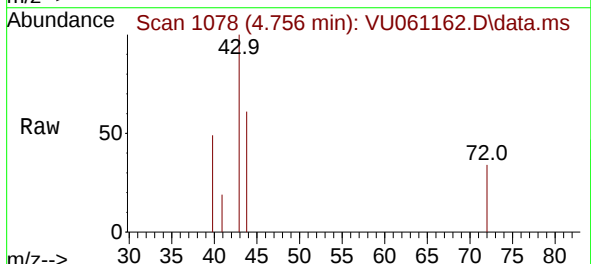
Instrument :  
MSVOA\_U  
ClientSampleId :

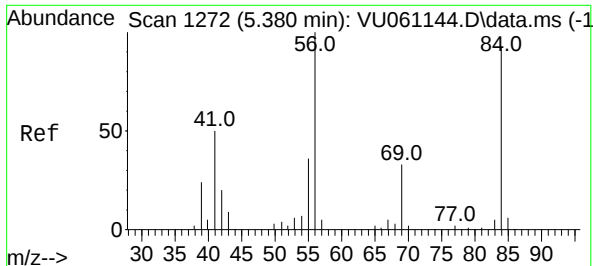
Tgt Ion: 63 Resp: 4810  
Ion Ratio Lower Upper  
63 100  
98 8.0 3.3 9.8  
100 0.0 2.1 6.5#



#18  
2-Butanone  
Concen: 0.186 ug/l  
RT: 4.756 min Scan# 1078  
Delta R.T. 0.051 min  
Lab File: VU061162.D  
Acq: 18 Oct 2024 13:49

Tgt Ion: 43 Resp: 634  
Ion Ratio Lower Upper  
43 100  
57 0.0 0.0 19.0





#19

Cyclohexane

Concen: 0.216 ug/l

RT: 5.383 min Scan# 1699

Delta R.T. 0.003 min

Lab File: VU061162.D

Acq: 18 Oct 2024 13:49

Instrument :

MSVOA\_U

ClientSampleId :

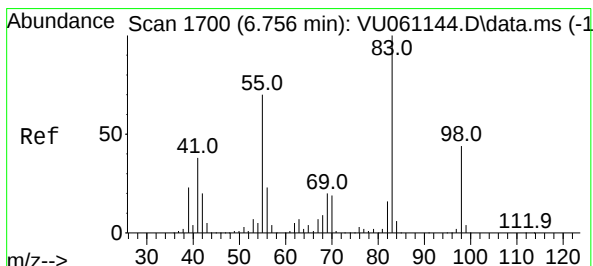
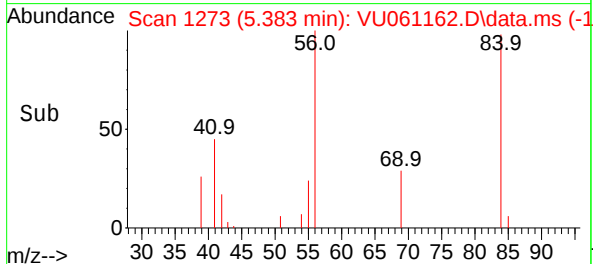
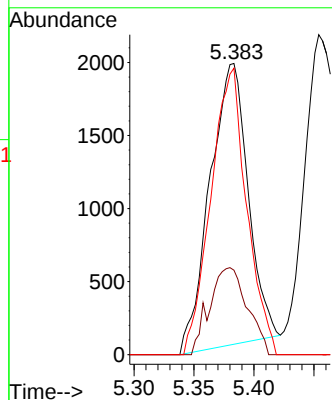
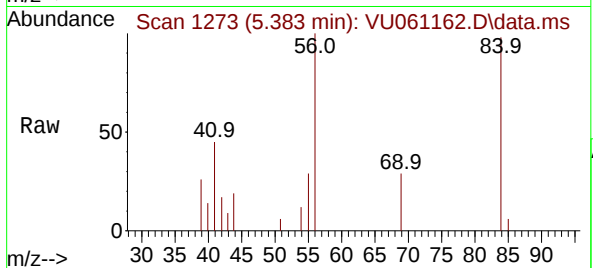
Tgt Ion: 56 Resp: 4268

Ion Ratio Lower Upper

56 100

69 30.6 26.2 39.4

84 95.3 72.7 109.1



#20

Methylcyclohexane

Concen: 0.213 ug/l

RT: 6.753 min Scan# 1699

Delta R.T. -0.003 min

Lab File: VU061162.D

Acq: 18 Oct 2024 13:49

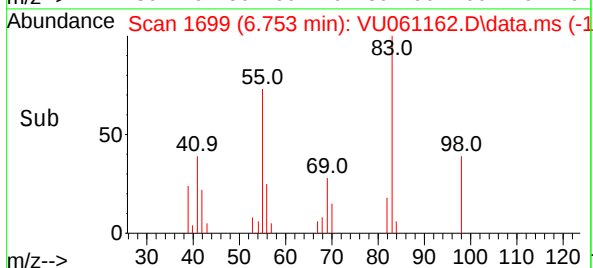
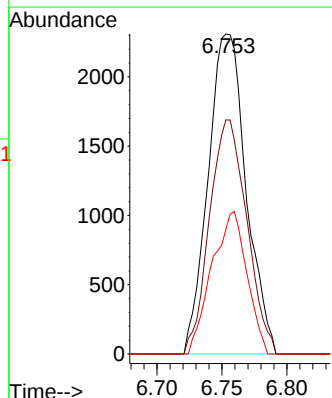
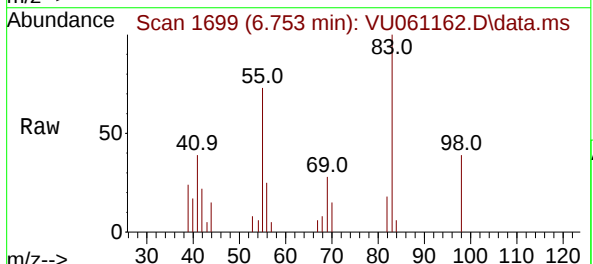
Tgt Ion: 83 Resp: 4707

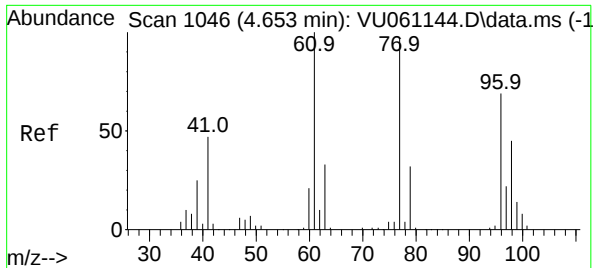
Ion Ratio Lower Upper

83 100

55 71.7 55.5 83.3

98 41.0 35.8 53.6

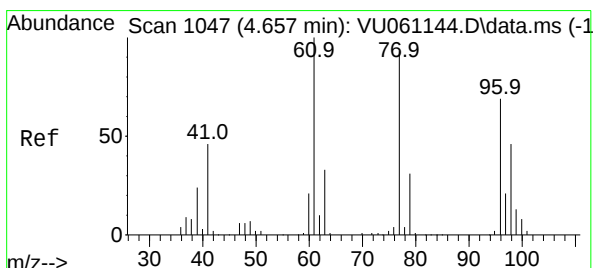
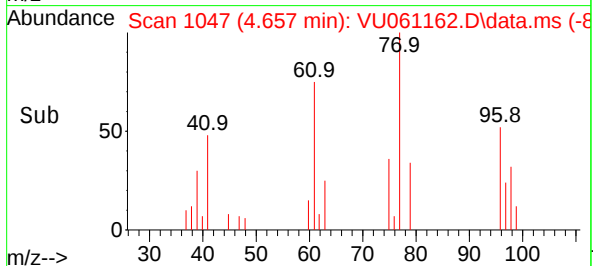
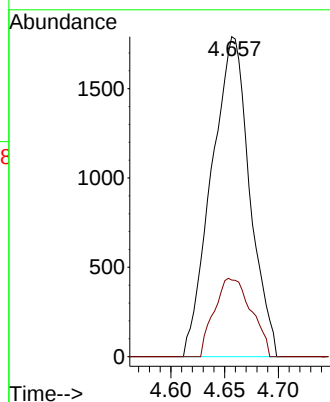
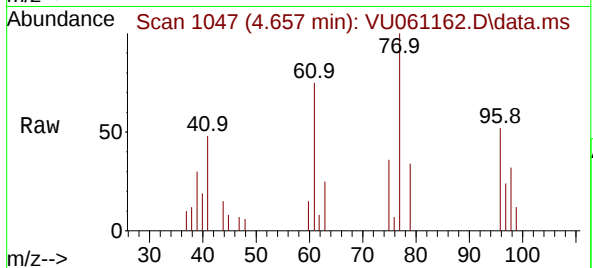




#21  
2,2-Dichloropropane  
Concen: 0.217 ug/l  
RT: 4.657 min Scan# 1052  
Delta R.T. 0.003 min  
Lab File: VU061162.D  
Acq: 18 Oct 2024 13:49

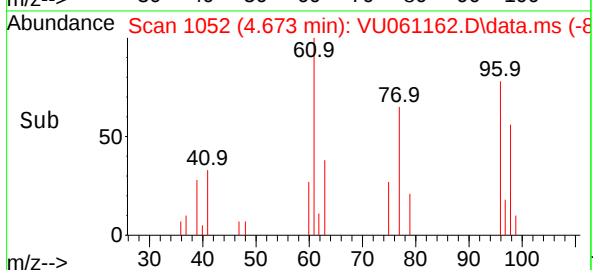
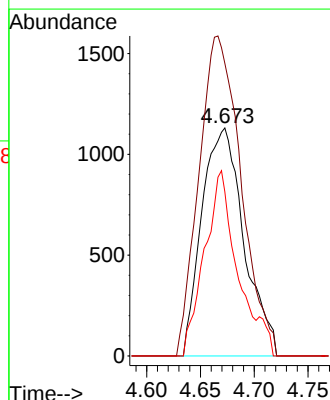
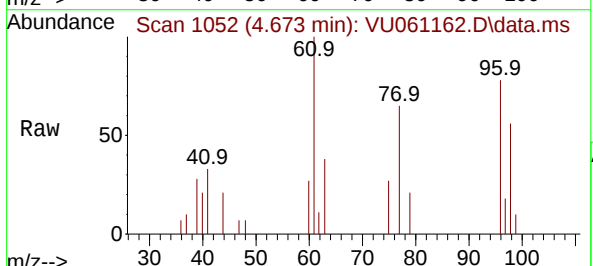
Instrument :  
MSVOA\_U  
ClientSampleId :

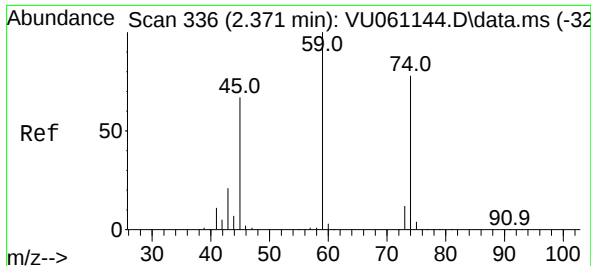
Tgt Ion: 77 Resp: 4415  
Ion Ratio Lower Upper  
77 100  
97 23.7 18.3 27.5



#22  
cis-1,2-Dichloroethene  
Concen: 0.227 ug/l  
RT: 4.673 min Scan# 1052  
Delta R.T. 0.016 min  
Lab File: VU061162.D  
Acq: 18 Oct 2024 13:49

Tgt Ion: 96 Resp: 3074  
Ion Ratio Lower Upper  
96 100  
61 140.3 0.0 364.8  
98 64.3 32.1 96.3





#23

Diethyl Ether

Concen: 0.219 ug/l

RT: 2.371 min Scan# 336

Delta R.T. -0.000 min

Lab File: VU061162.D

Acq: 18 Oct 2024 13:49

Instrument :

MSVOA\_U

ClientSampleId :

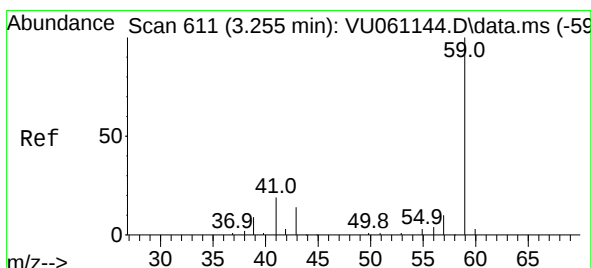
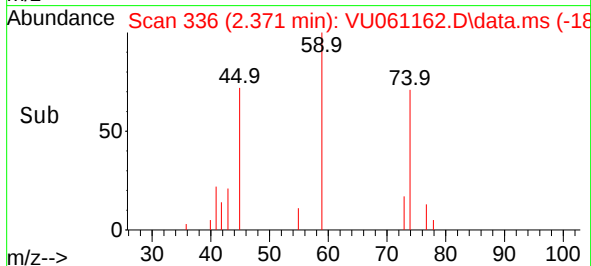
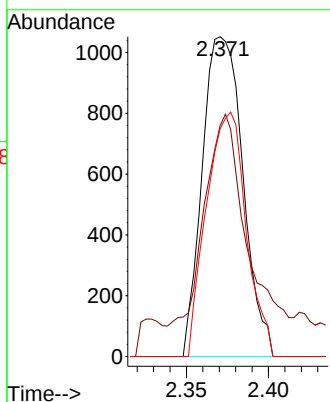
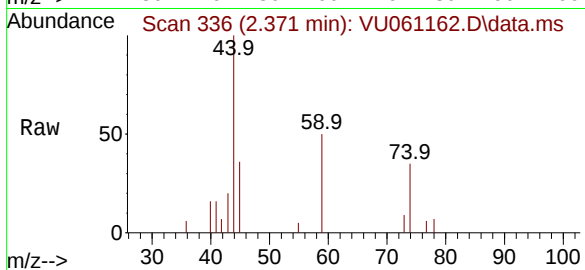
Tgt Ion: 59 Resp: 1807

Ion Ratio Lower Upper

59 100

45 69.7 52.0 78.0

74 74.5 62.2 93.2



#24

tert-Butyl Alcohol

Concen: 1.121 ug/l

RT: 3.274 min Scan# 617

Delta R.T. 0.019 min

Lab File: VU061162.D

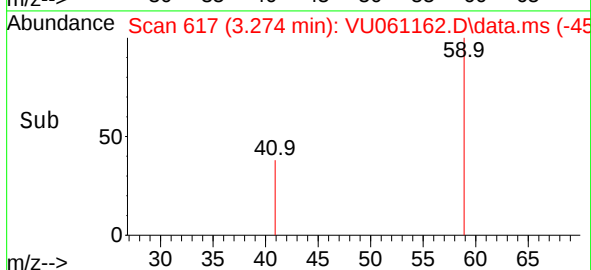
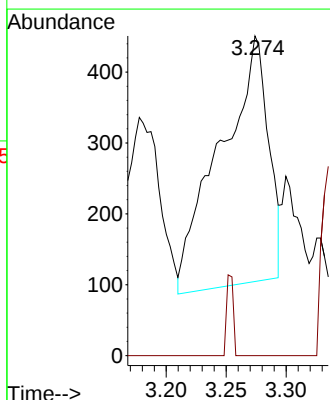
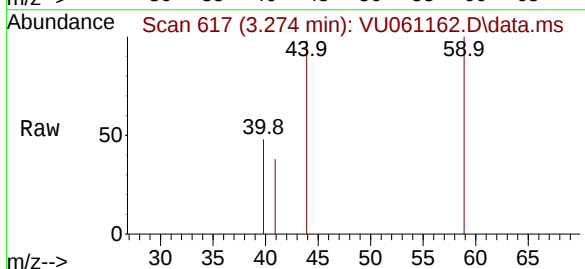
Acq: 18 Oct 2024 13:49

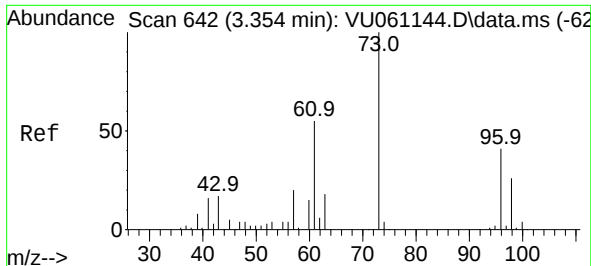
Tgt Ion: 59 Resp: 965

Ion Ratio Lower Upper

59 100

57 0.0 3.2 4.8#





#25

Methyl tert-Butyl Ether

Concen: 0.220 ug/l

RT: 3.351 min Scan# 641

Delta R.T. -0.003 min

Lab File: VU061162.D

Acq: 18 Oct 2024 13:49

Instrument :

MSVOA\_U

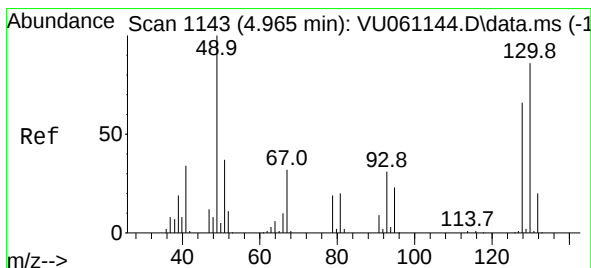
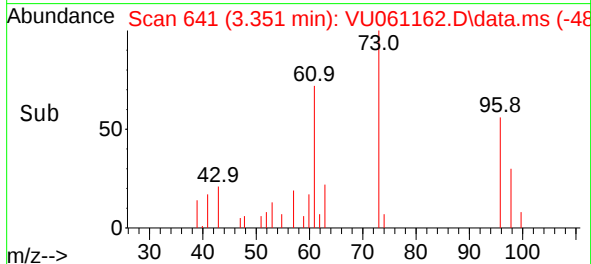
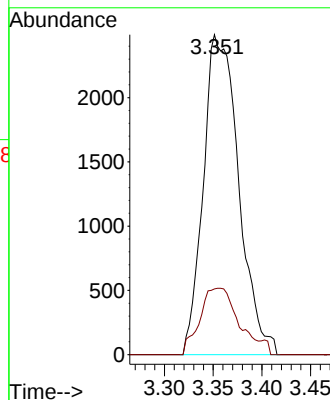
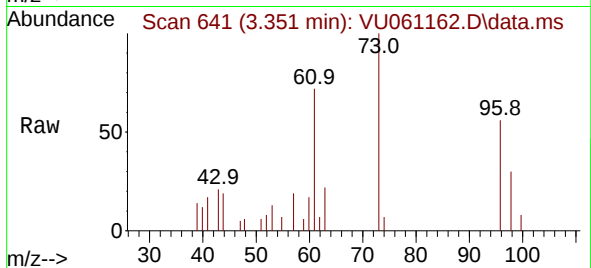
ClientSampleId :

Tgt Ion: 73 Resp: 6270

Ion Ratio Lower Upper

73 100

43 23.3 14.7 22.1#



#26

Bromochloromethane

Concen: 0.214 ug/l

RT: 4.972 min Scan# 1145

Delta R.T. 0.006 min

Lab File: VU061162.D

Acq: 18 Oct 2024 13:49

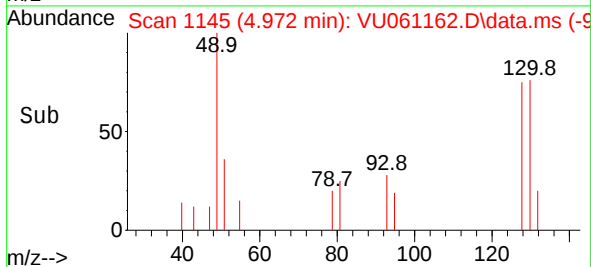
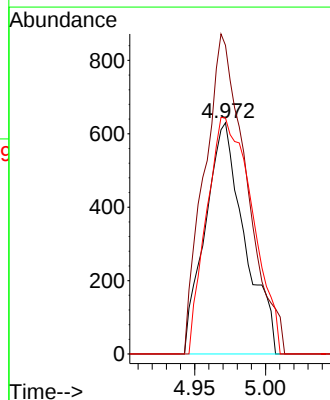
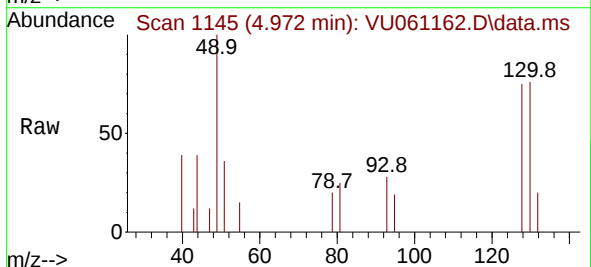
Tgt Ion: 128 Resp: 1216

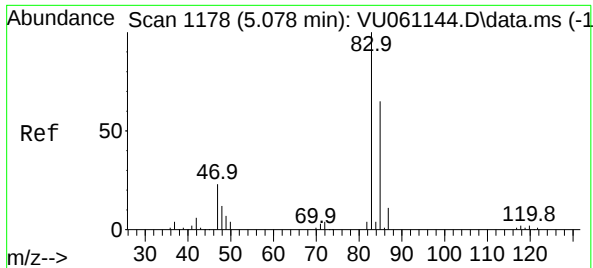
Ion Ratio Lower Upper

128 100

49 148.7 0.0 308.8

130 119.2 105.3 157.9





#27

Chloroform

Concen: 0.246 ug/l

RT: 5.081 min Scan# 1178

Delta R.T. 0.003 min

Lab File: VU061162.D

Acq: 18 Oct 2024 13:49

Instrument :

MSVOA\_U

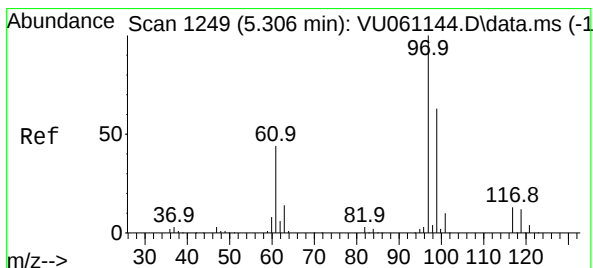
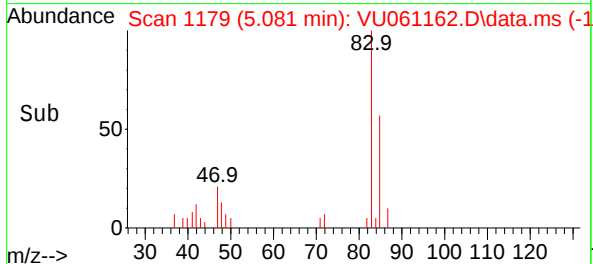
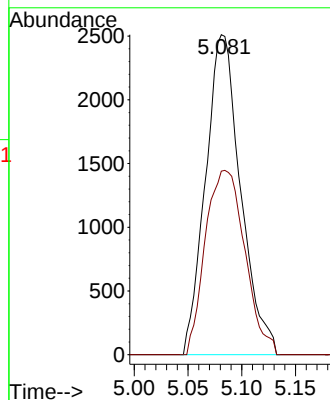
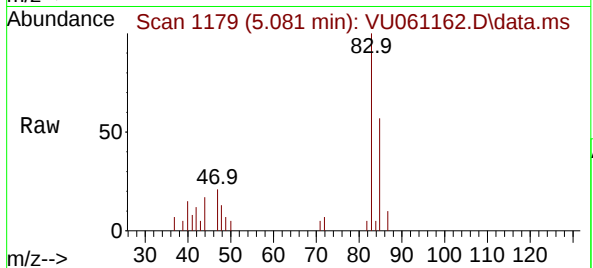
ClientSampleId :

Tgt Ion: 83 Resp: 5694

Ion Ratio Lower Upper

83 100

85 57.3 0.0 129.6



#28

1,1,1-Trichloroethane

Concen: 0.226 ug/l

RT: 5.309 min Scan# 1250

Delta R.T. 0.003 min

Lab File: VU061162.D

Acq: 18 Oct 2024 13:49

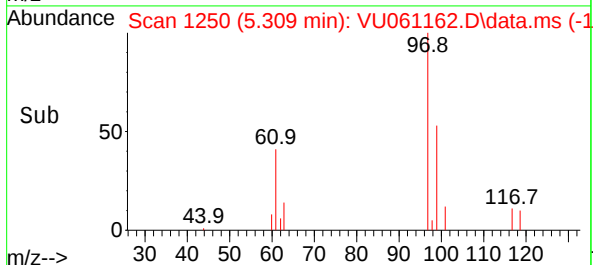
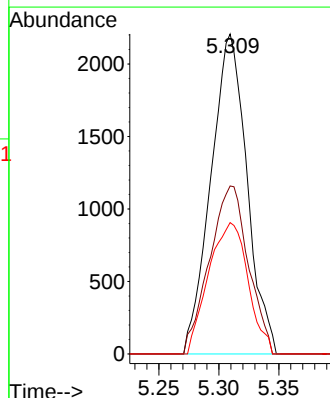
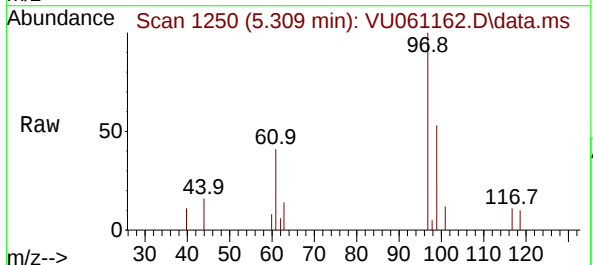
Tgt Ion: 97 Resp: 4607

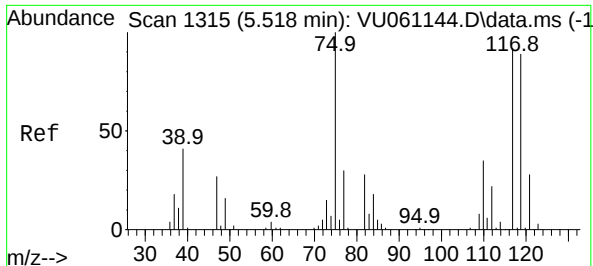
Ion Ratio Lower Upper

97 100

99 56.8 31.9 95.5

61 45.0 22.1 66.1

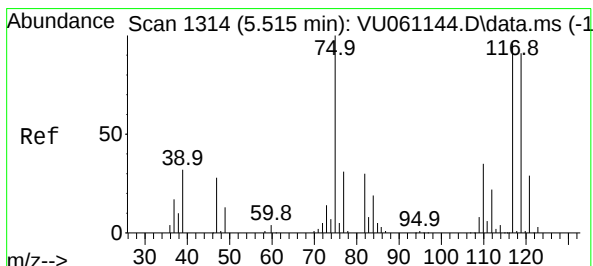
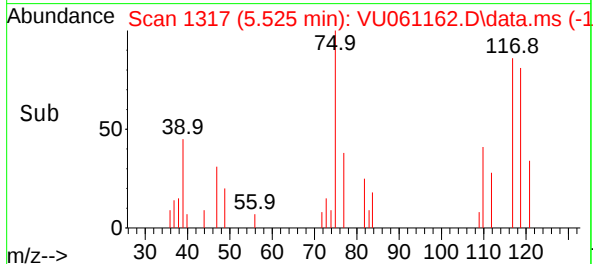
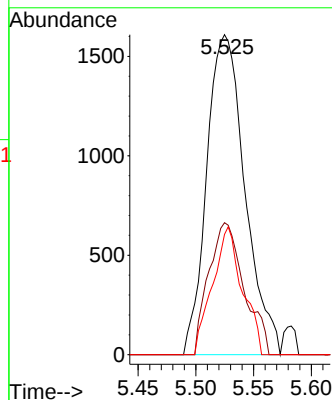
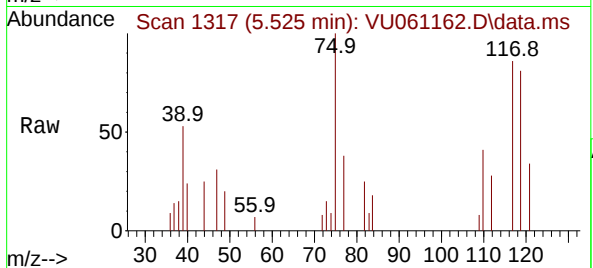




#29  
1,1-Dichloropropene  
Concen: 0.205 ug/l  
RT: 5.525 min Scan# 1317  
Delta R.T. 0.006 min  
Lab File: VU061162.D  
Acq: 18 Oct 2024 13:49

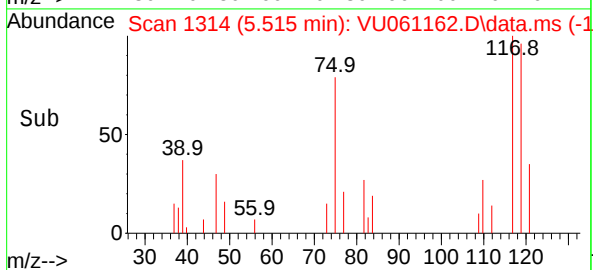
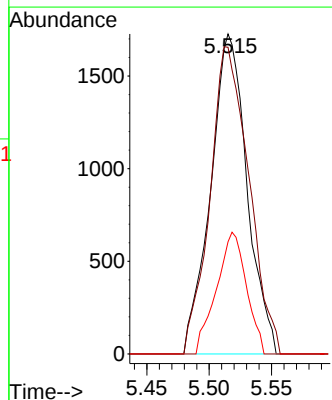
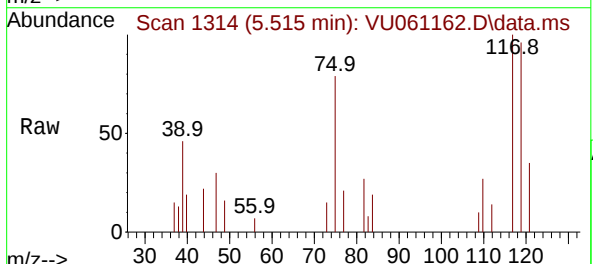
Instrument :  
MSVOA\_U  
ClientSampleId :

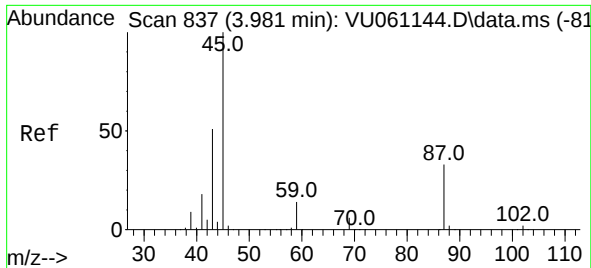
Tgt Ion: 75 Resp: 3707  
Ion Ratio Lower Upper  
75 100  
110 38.1 17.8 53.3  
77 31.1 24.6 37.0



#30  
Carbon Tetrachloride  
Concen: 0.198 ug/l  
RT: 5.515 min Scan# 1314  
Delta R.T. -0.000 min  
Lab File: VU061162.D  
Acq: 18 Oct 2024 13:49

Tgt Ion: 117 Resp: 3499  
Ion Ratio Lower Upper  
117 100  
119 95.8 76.4 114.6  
121 35.0 24.1 36.1

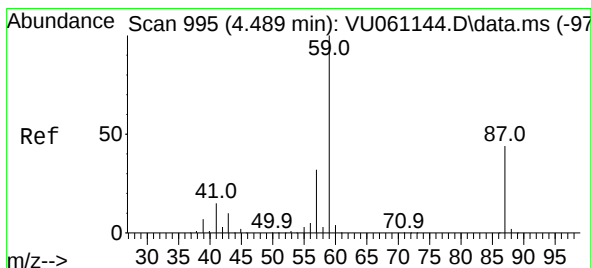
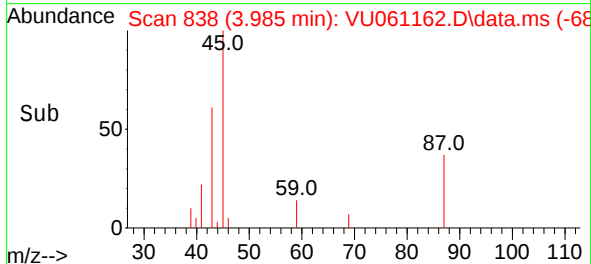
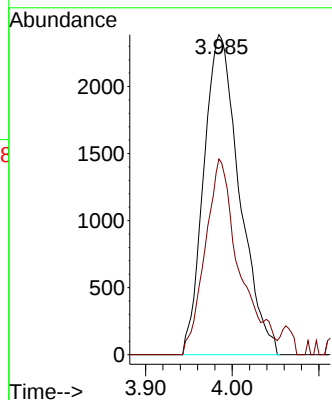
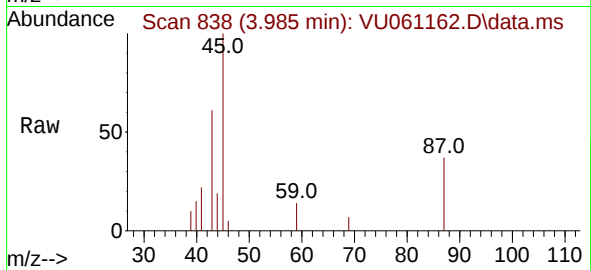




#31  
Isopropyl Ether  
Concen: 0.217 ug/l  
RT: 3.985 min Scan# 837  
Delta R.T. 0.003 min  
Lab File: VU061162.D  
Acq: 18 Oct 2024 13:49

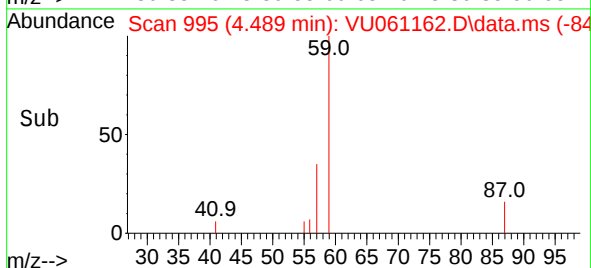
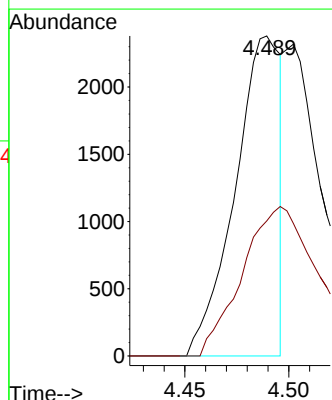
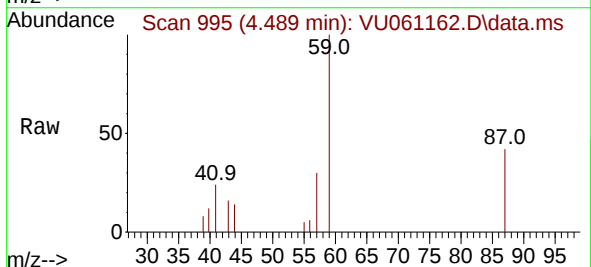
Instrument :  
MSVOA\_U  
ClientSampleId :

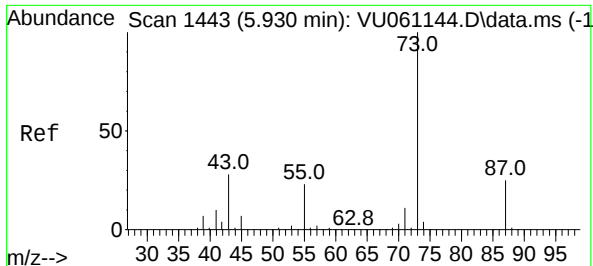
Tgt Ion: 45 Resp: 6837  
Ion Ratio Lower Upper  
45 100  
43 58.6 25.7 77.0



#32  
Ethyl-t-butyl ether  
Concen: 0.111 ug/l  
RT: 4.489 min Scan# 995  
Delta R.T. -0.000 min  
Lab File: VU061162.D  
Acq: 18 Oct 2024 13:49

Tgt Ion: 59 Resp: 3601  
Ion Ratio Lower Upper  
59 100  
87 78.5 34.7 52.1#

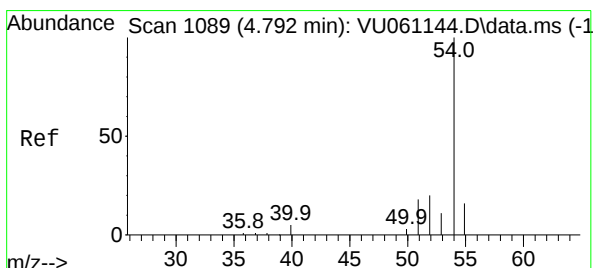
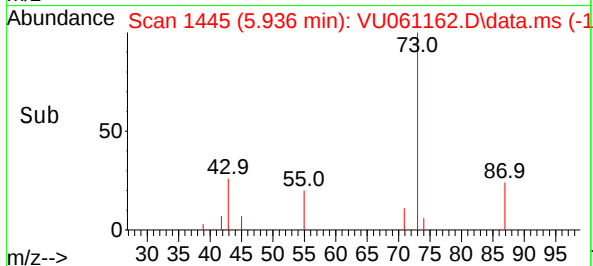
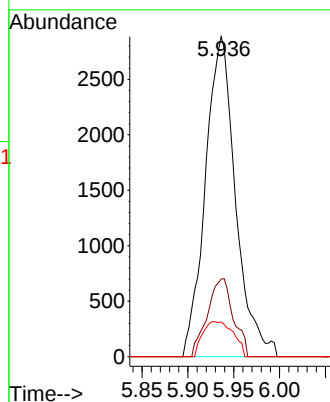
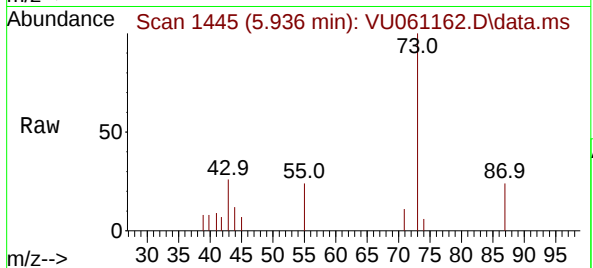




#33  
Tert-Amyl methyl ether  
Concen: 0.227 ug/l  
RT: 5.936 min Scan# 1107  
Delta R.T. 0.006 min  
Lab File: VU061162.D  
Acq: 18 Oct 2024 13:49

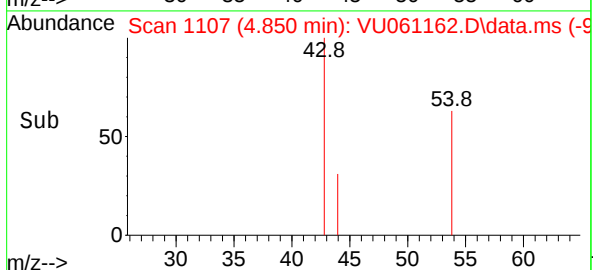
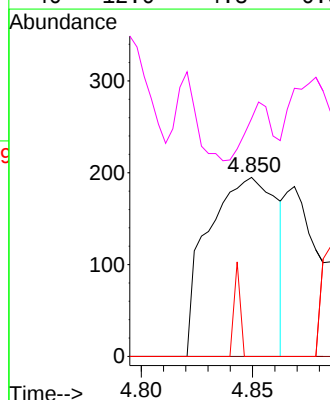
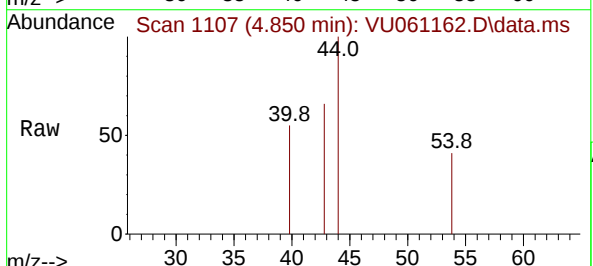
Instrument :  
MSVOA\_U  
ClientSampleId :

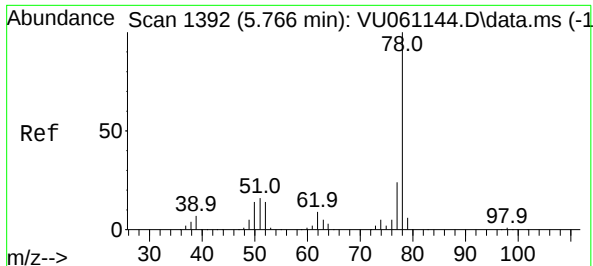
|             |             |
|-------------|-------------|
| Tgt Ion: 73 | Resp: 6612  |
| Ion Ratio   | Lower Upper |
| 73 100      |             |
| 87 20.9     | 19.8 29.8   |
| 71 11.1     | 8.6 12.8    |



#34  
Propionitrile  
Concen: 0.511 ug/l  
RT: 4.850 min Scan# 1107  
Delta R.T. 0.058 min  
Lab File: VU061162.D  
Acq: 18 Oct 2024 13:49

|     |         |       |       |
|-----|---------|-------|-------|
| Tgt | Ion: 54 | Resp: | 416   |
| Ion | Ratio   | Lower | Upper |
| 54  | 100     |       |       |
| 52  | 0.0     | 15.3  | 22.9# |
| 55  | 4.8     | 9.7   | 14.5# |
| 40  | 12.0    | 4.3   | 6.5#  |

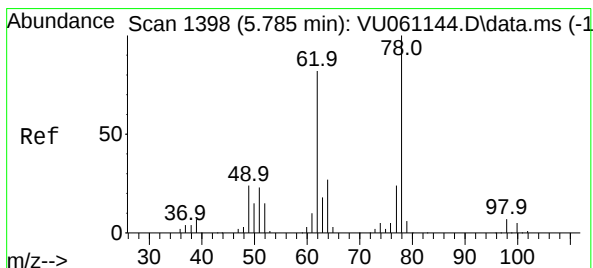
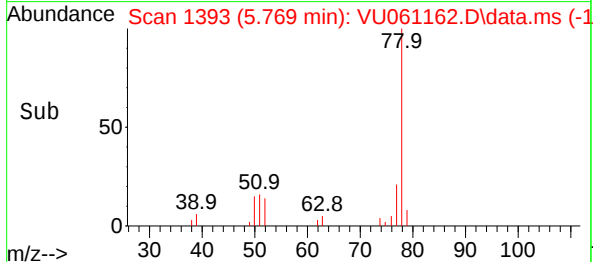
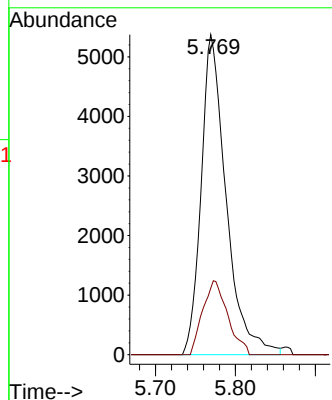
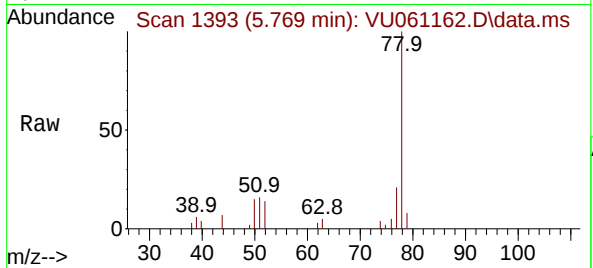




#35  
Benzene  
Concen: 0.230 ug/l  
RT: 5.769 min Scan# 1400  
Delta R.T. 0.003 min  
Lab File: VU061162.D  
Acq: 18 Oct 2024 13:49

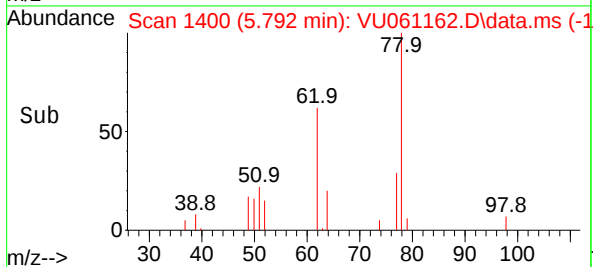
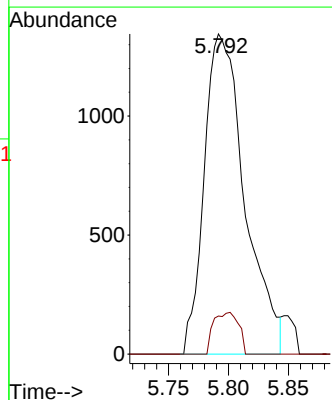
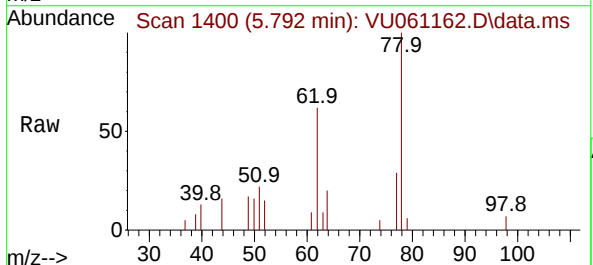
Instrument :  
MSVOA\_U  
ClientSampleId :

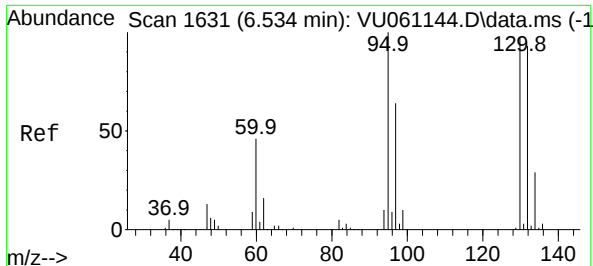
Tgt Ion: 78 Resp: 11686  
Ion Ratio Lower Upper  
78 100  
77 20.8 19.4 29.0



#36  
1,2-Dichloroethane  
Concen: 0.221 ug/l  
RT: 5.792 min Scan# 1400  
Delta R.T. 0.006 min  
Lab File: VU061162.D  
Acq: 18 Oct 2024 13:49

Tgt Ion: 62 Resp: 3166  
Ion Ratio Lower Upper  
62 100  
98 8.0 7.0 10.4

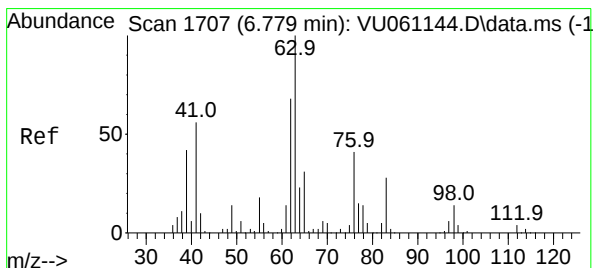
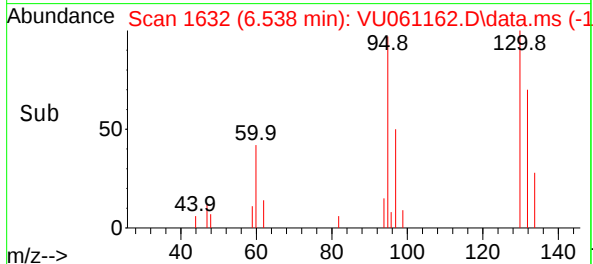
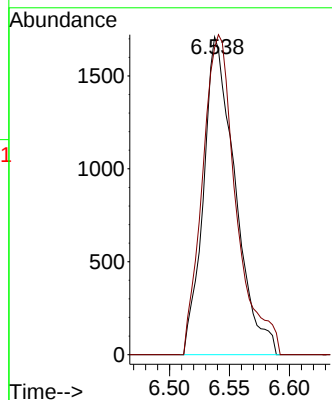
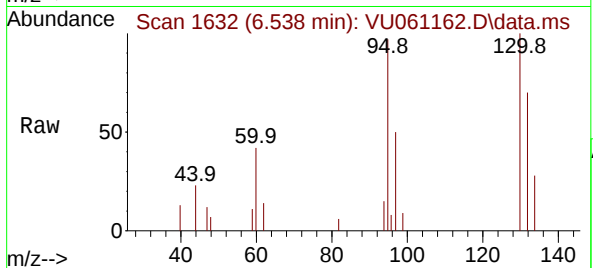




#37  
Trichloroethene  
Concen: 0.232 ug/l  
RT: 6.538 min Scan# 1710  
Delta R.T. 0.003 min  
Lab File: VU061162.D  
Acq: 18 Oct 2024 13:49

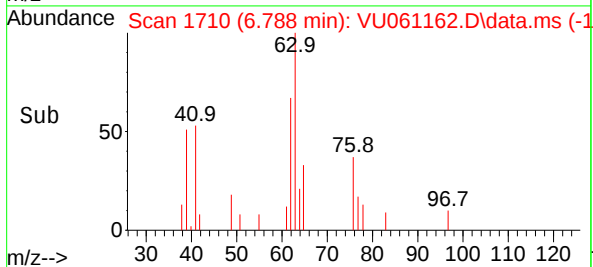
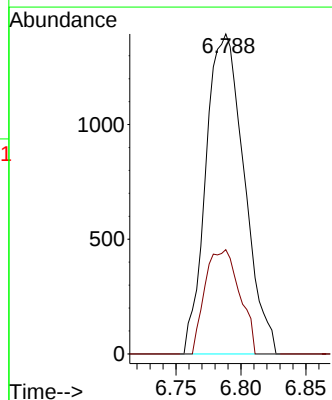
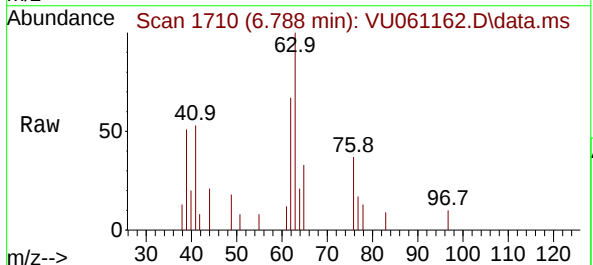
Instrument :  
MSVOA\_U  
ClientSampleId :

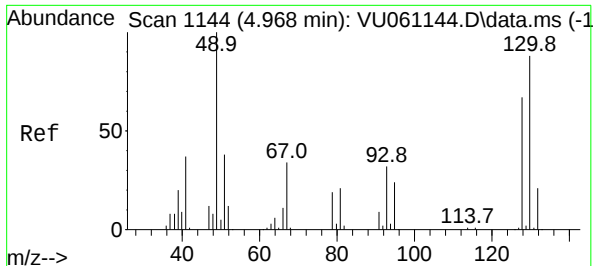
Tgt Ion:130 Resp: 3140  
Ion Ratio Lower Upper  
130 100  
95 96.6 82.6 123.8



#38  
1,2-Dichloropropane  
Concen: 0.221 ug/l  
RT: 6.788 min Scan# 1710  
Delta R.T. 0.010 min  
Lab File: VU061162.D  
Acq: 18 Oct 2024 13:49

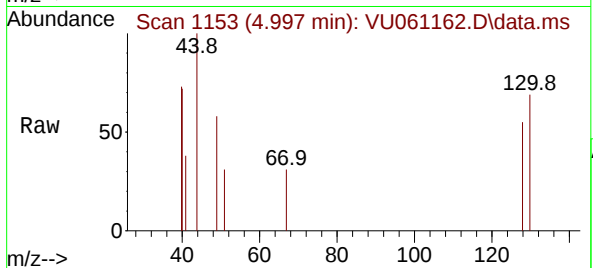
Tgt Ion: 63 Resp: 2850  
Ion Ratio Lower Upper  
63 100  
65 32.6 25.0 37.6



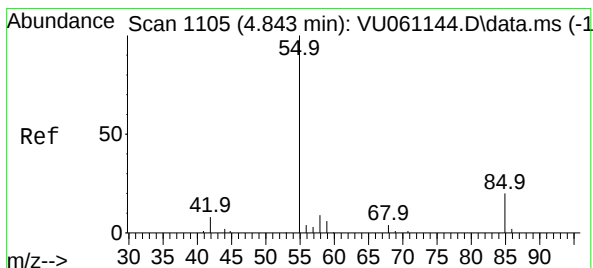
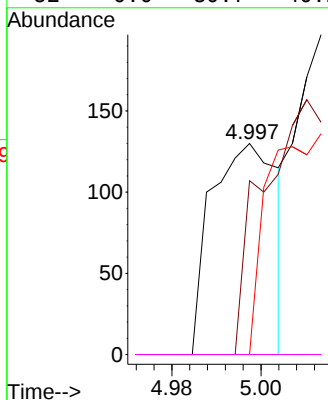
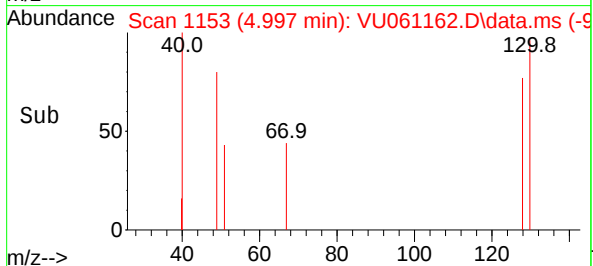


#39  
Methacrylonitrile  
Concen: 0.045 ug/l  
RT: 4.997 min Scan# 1153  
Delta R.T. 0.029 min  
Lab File: VU061162.D  
Acq: 18 Oct 2024 13:49

Instrument :  
MSVOA\_U  
ClientSampleId :

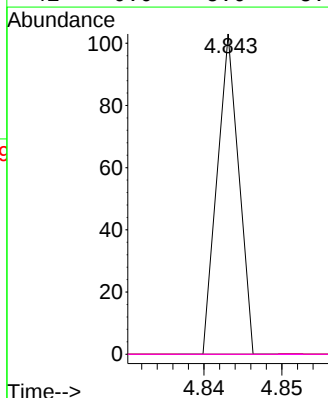
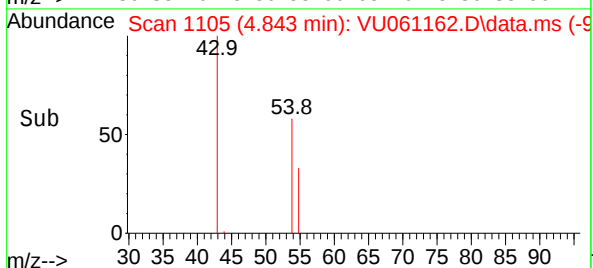
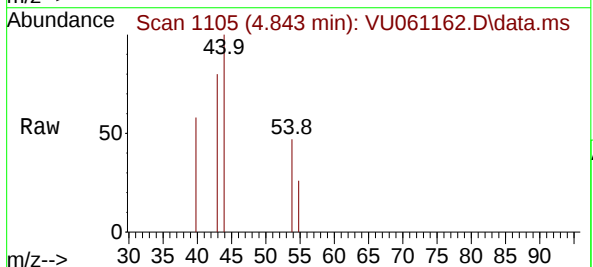


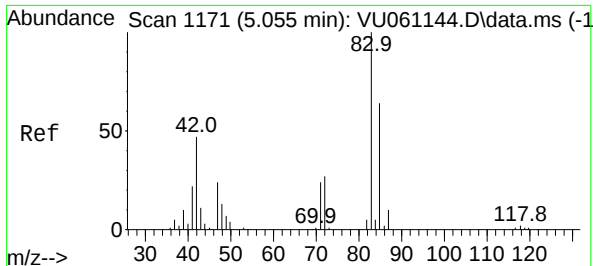
Tgt Ion: 41 Resp: 133  
Ion Ratio Lower Upper  
41 100  
67 0.0 78.1 117.1#  
39 0.0 44.6 67.0#  
52 0.0 30.7 46.1#



#40  
Methyl acrylate  
Concen: 0.003 ug/l  
RT: 4.843 min Scan# 1105  
Delta R.T. -0.000 min  
Lab File: VU061162.D  
Acq: 18 Oct 2024 13:49

Tgt Ion: 55 Resp: 20  
Ion Ratio Lower Upper  
55 100  
85 0.0 14.1 21.1#  
58 0.0 6.9 10.3#  
42 0.0 5.6 8.4#

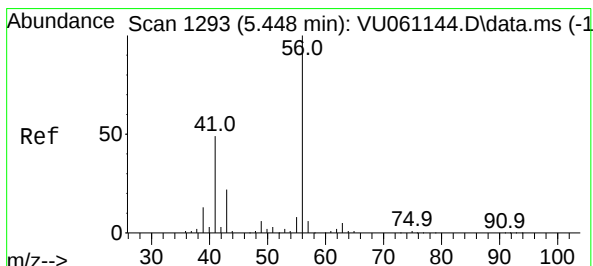
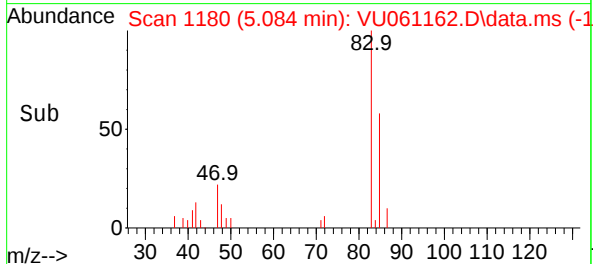
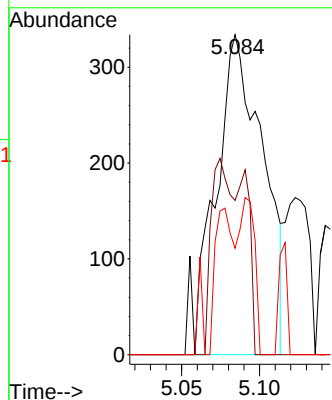
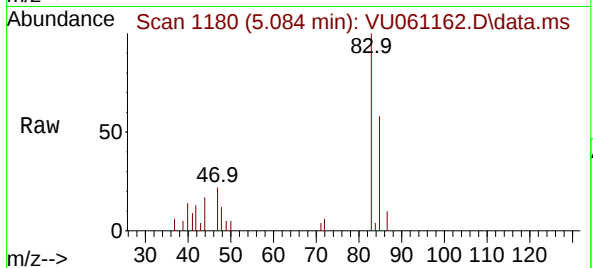




#41  
Tetrahydrofuran  
Concen: 0.406 ug/l  
RT: 5.084 min Scan# 1171  
Delta R.T. 0.029 min  
Lab File: VU061162.D  
Acq: 18 Oct 2024 13:49

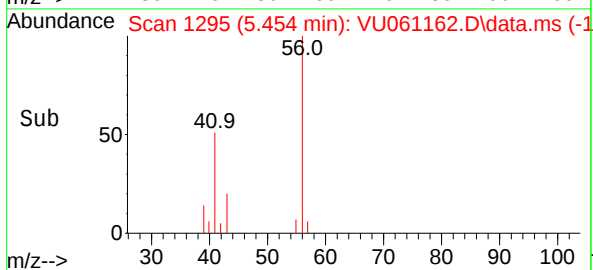
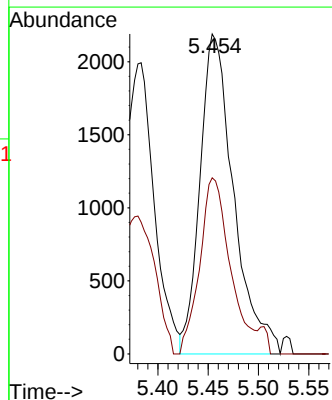
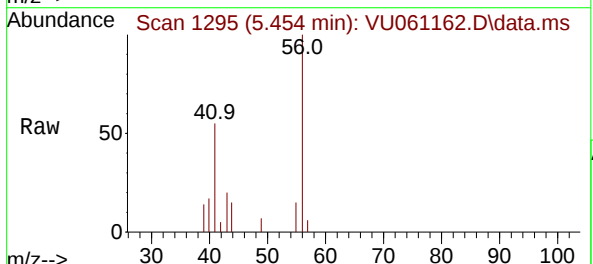
Instrument :  
MSVOA\_U  
ClientSampleId :

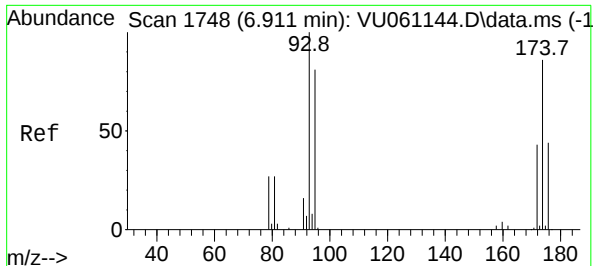
Tgt Ion: 42 Resp: 715  
Ion Ratio Lower Upper  
42 100  
72 0.0 47.8 71.8#  
71 15.5 41.5 62.3#



#42  
1-Chlorobutane  
Concen: 0.220 ug/l  
RT: 5.454 min Scan# 1295  
Delta R.T. 0.006 min  
Lab File: VU061162.D  
Acq: 18 Oct 2024 13:49

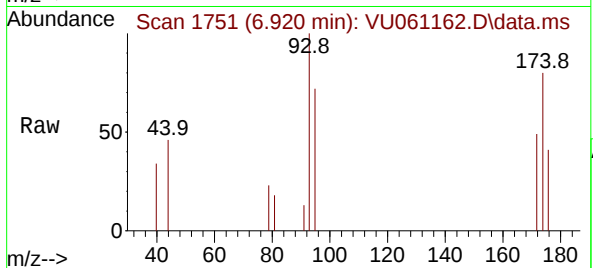
Tgt Ion: 56 Resp: 5086  
Ion Ratio Lower Upper  
56 100  
41 50.2 23.9 71.7





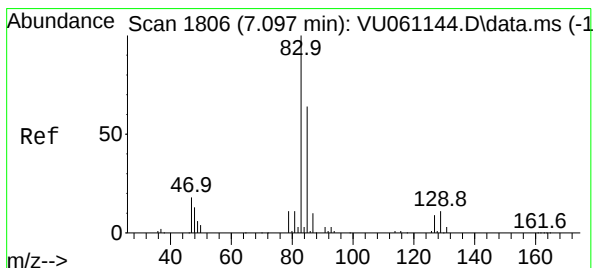
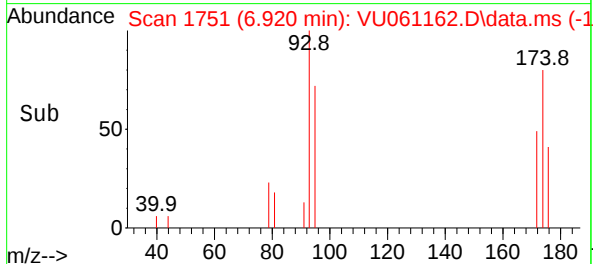
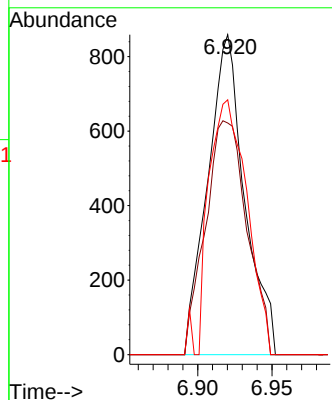
#43  
Dibromomethane  
Concen: 0.223 ug/l  
RT: 6.920 min Scan# 1751  
Delta R.T. 0.010 min  
Lab File: VU061162.D  
Acq: 18 Oct 2024 13:49

Instrument :  
MSVOA\_U  
ClientSampleId :



Tgt Ion: 93 Resp: 1487

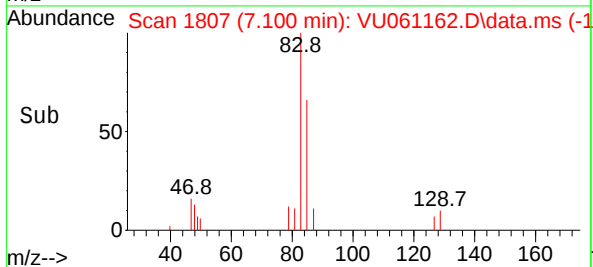
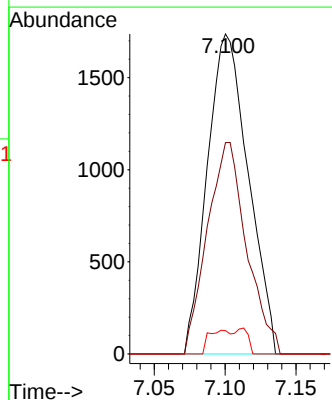
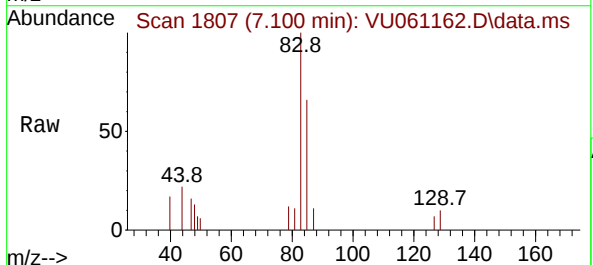
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 93  | 100   |       |       |
| 95  | 82.3  | 67.5  | 101.3 |
| 174 | 83.4  | 71.2  | 106.8 |

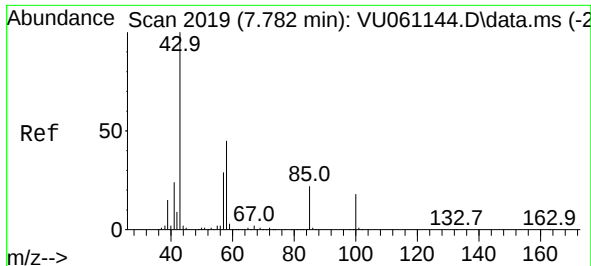


#44  
Bromodichloromethane  
Concen: 0.215 ug/l  
RT: 7.100 min Scan# 1807  
Delta R.T. 0.003 min  
Lab File: VU061162.D  
Acq: 18 Oct 2024 13:49

Tgt Ion: 83 Resp: 3491

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 85  | 66.0  | 51.4  | 77.2  |
| 127 | 7.3   | 7.4   | 11.2# |

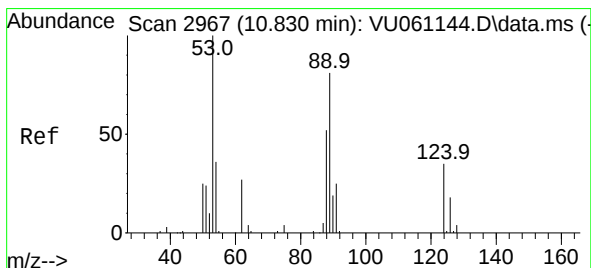
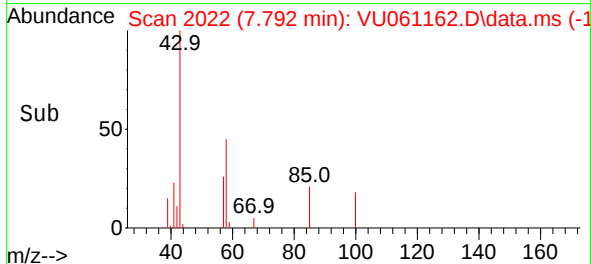
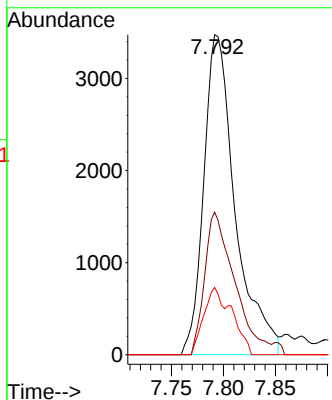
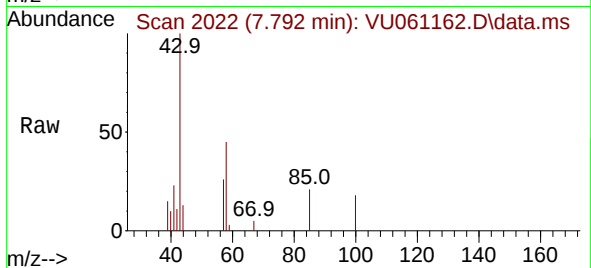




#45  
4-Methyl-2-Pentanone  
Concen: 1.094 ug/l  
RT: 7.792 min Scan# 2019  
Delta R.T. 0.010 min  
Lab File: VU061162.D  
Acq: 18 Oct 2024 13:49

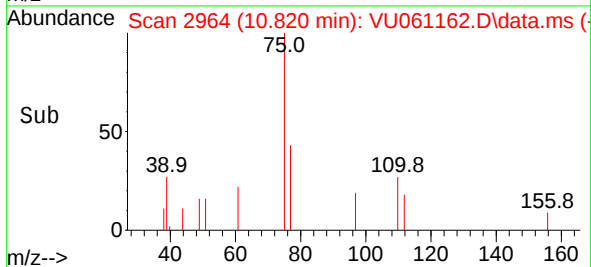
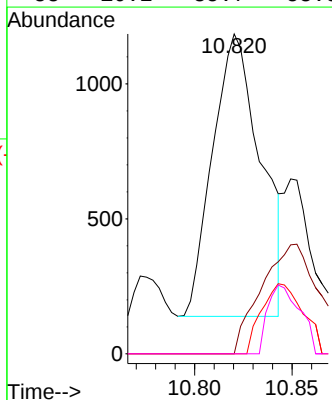
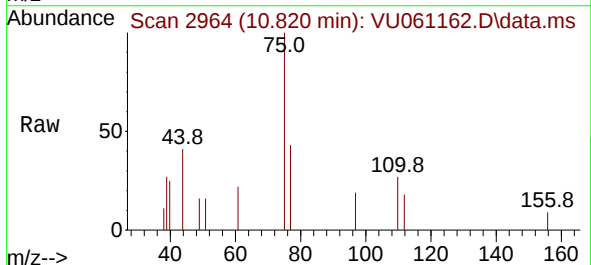
Instrument :  
MSVOA\_U  
ClientSampleId :

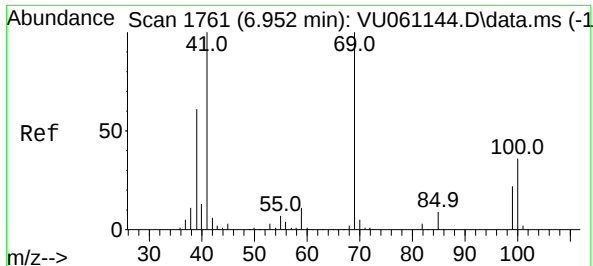
Tgt Ion: 43 Resp: 7327  
Ion Ratio Lower Upper  
43 100  
58 42.1 22.2 66.6  
85 18.7 17.2 25.8



#46  
t-1,4-Dichloro-2-butene  
Concen: 0.669 ug/l  
RT: 10.820 min Scan# 2964  
Delta R.T. -0.010 min  
Lab File: VU061162.D  
Acq: 18 Oct 2024 13:49

Tgt Ion: 75 Resp: 1788  
Ion Ratio Lower Upper  
75 100  
53 46.4 66.0 99.0#  
89 21.3 48.0 72.0#  
88 16.2 35.7 53.5#





#47

Methyl methacrylate

Concen: 0.412 ug/l

RT: 6.975 min Scan# 1

Delta R.T. 0.022 min

Lab File: VU061162.D

Acq: 18 Oct 2024 13:49

Instrument :

MSVOA\_U

ClientSampleId :

Tgt Ion: 69 Resp: 2389

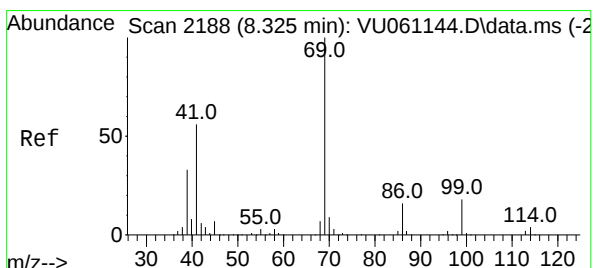
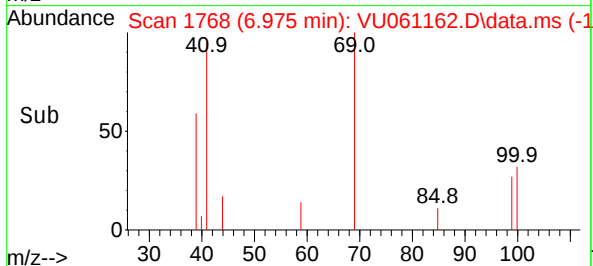
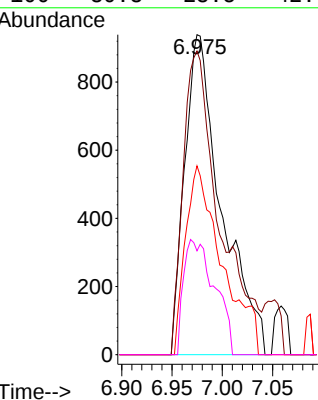
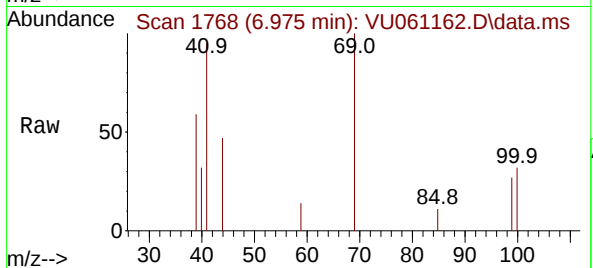
Ion Ratio Lower Upper

69 100

41 95.1 0.0 196.0

39 58.4 48.0 72.0

100 30.3 28.5 42.7



#48

Ethyl methacrylate

Concen: 0.170 ug/l

RT: 8.338 min Scan# 2192

Delta R.T. 0.013 min

Lab File: VU061162.D

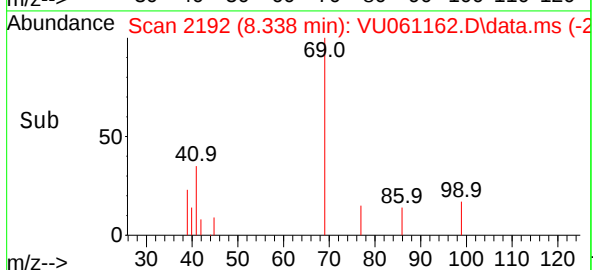
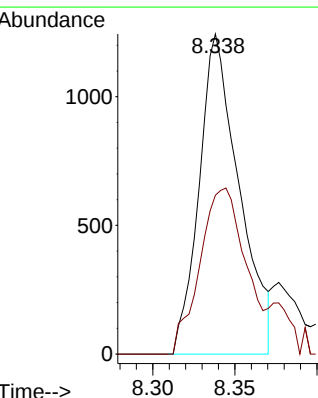
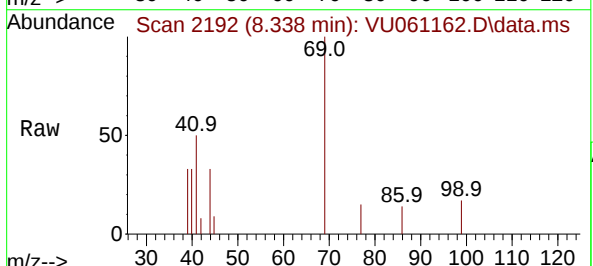
Acq: 18 Oct 2024 13:49

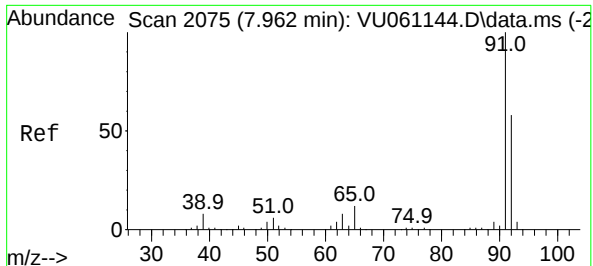
Tgt Ion: 69 Resp: 2107

Ion Ratio Lower Upper

69 100

41 58.7 28.1 84.3





#49

Toluene

Concen: 0.227 ug/l

RT: 7.968 min Scan# 2075

Delta R.T. 0.006 min

Lab File: VU061162.D

Acq: 18 Oct 2024 13:49

Instrument :

MSVOA\_U

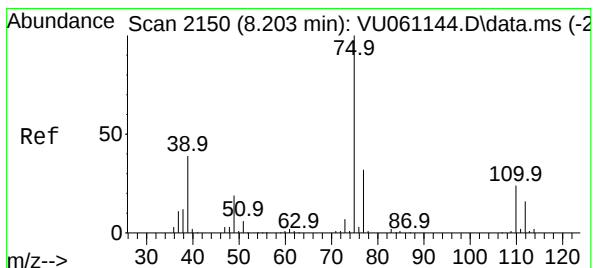
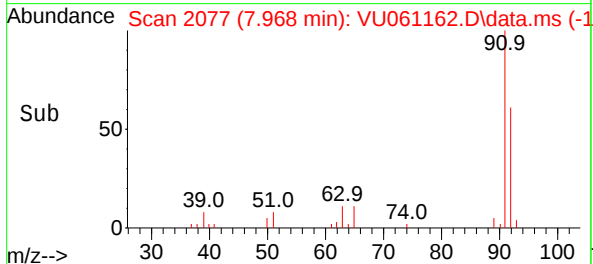
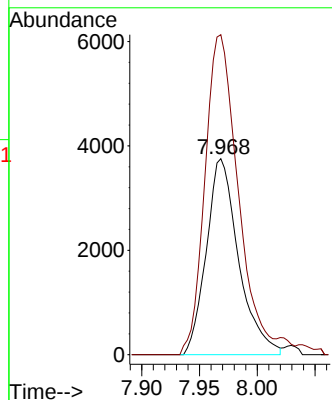
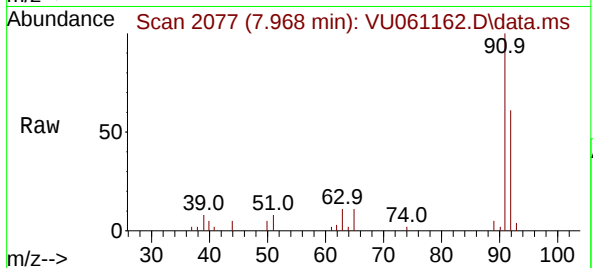
ClientSampleId :

Tgt Ion: 92 Resp: 7293

Ion Ratio Lower Upper

92 100

91 167.2 139.1 208.7



#50

t-1,3-Dichloropropene

Concen: 0.209 ug/l

RT: 8.213 min Scan# 2153

Delta R.T. 0.010 min

Lab File: VU061162.D

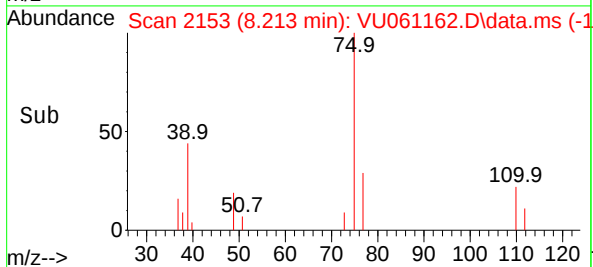
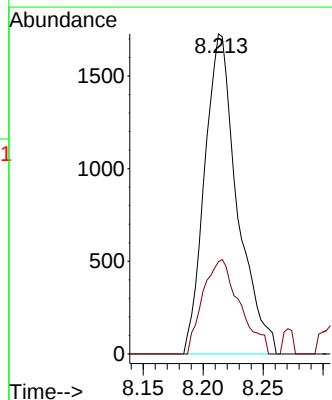
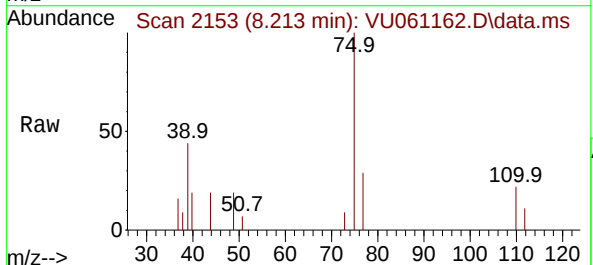
Acq: 18 Oct 2024 13:49

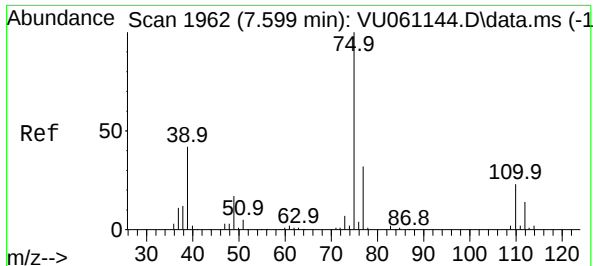
Tgt Ion: 75 Resp: 3273

Ion Ratio Lower Upper

75 100

77 28.8 25.9 38.9

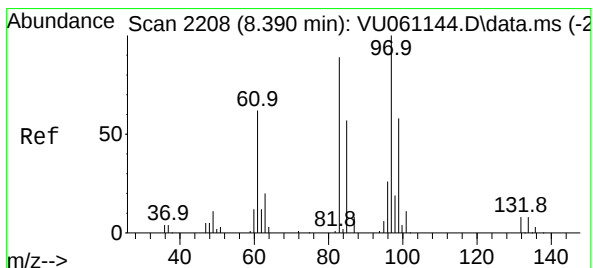
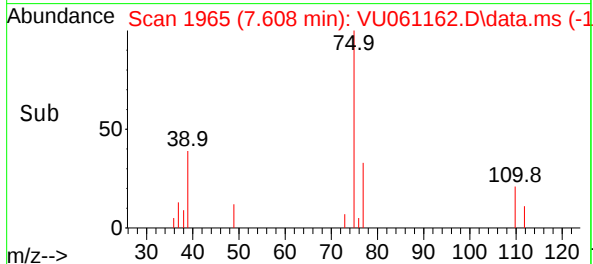
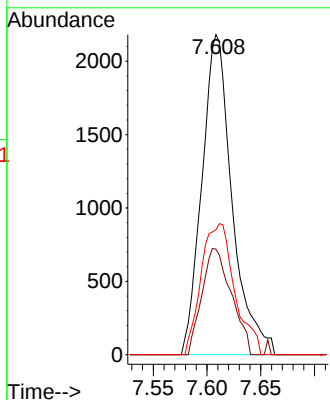
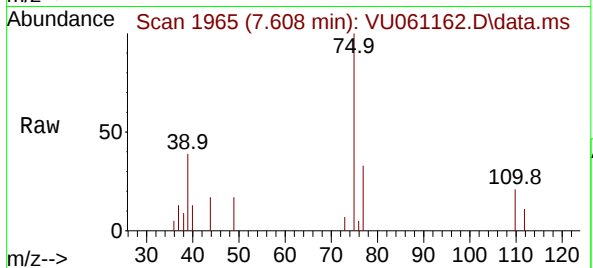




#51  
cis-1,3-Dichloropropene  
Concen: 0.222 ug/l  
RT: 7.608 min Scan# 1965  
Delta R.T. 0.010 min  
Lab File: VU061162.D  
Acq: 18 Oct 2024 13:49

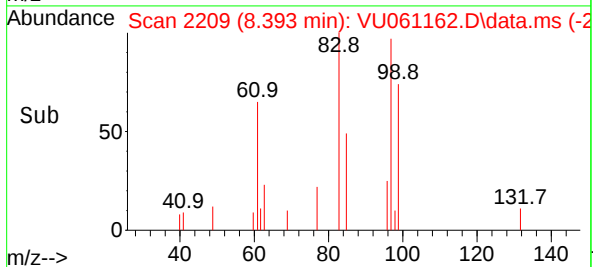
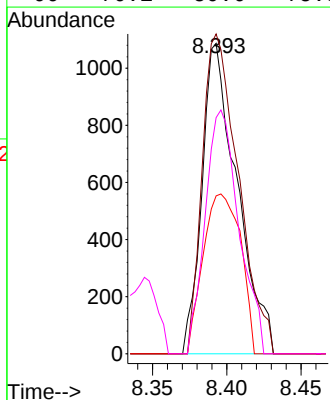
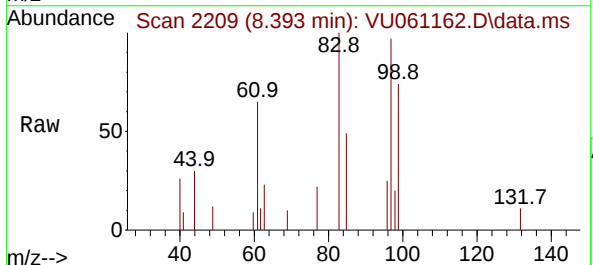
Instrument :  
MSVOA\_U  
ClientSampleId :

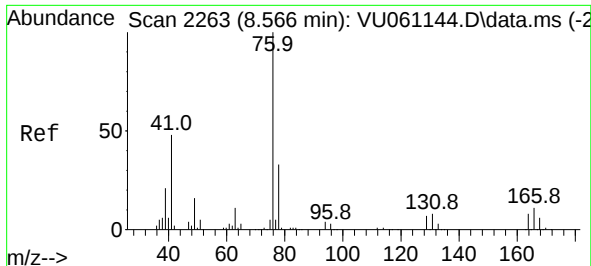
Tgt Ion: 75 Resp: 4259  
Ion Ratio Lower Upper  
75 100  
77 33.0 25.8 38.8  
39 39.1 33.7 50.5



#52  
1,1,2-Trichloroethane  
Concen: 0.199 ug/l  
RT: 8.393 min Scan# 2209  
Delta R.T. 0.003 min  
Lab File: VU061162.D  
Acq: 18 Oct 2024 13:49

Tgt Ion: 97 Resp: 1787  
Ion Ratio Lower Upper  
97 100  
83 103.0 71.0 106.4  
85 50.9 46.1 69.1  
99 76.1 50.6 75.8#

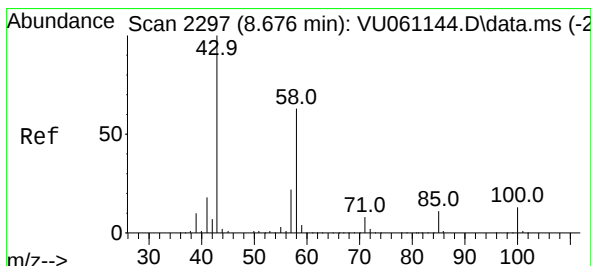
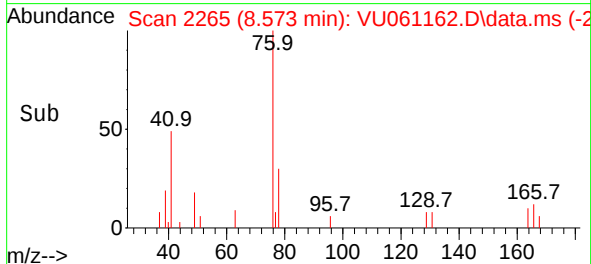
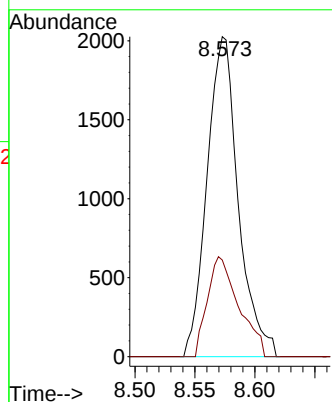
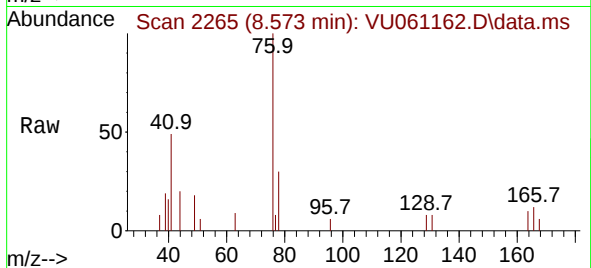




#53  
1,3-Dichloropropane  
Concen: 0.232 ug/l  
RT: 8.573 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VU061162.D  
Acq: 18 Oct 2024 13:49

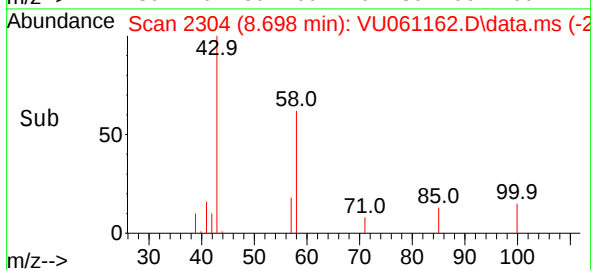
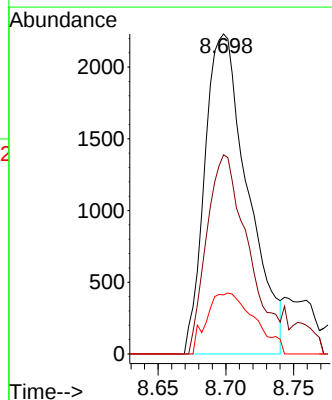
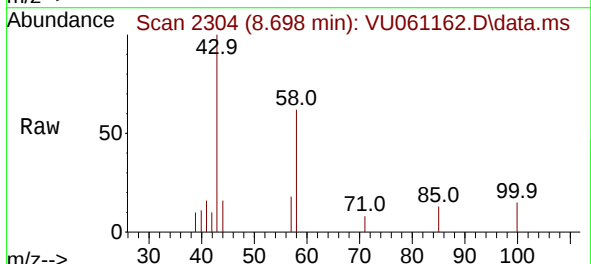
Instrument :  
MSVOA\_U  
ClientSampleId :

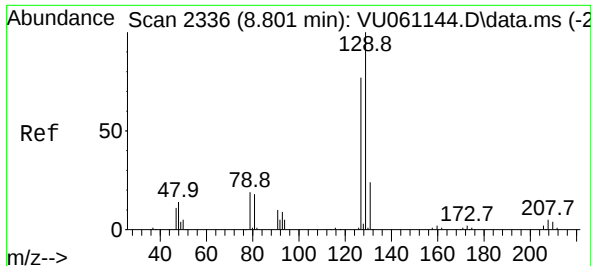
Tgt Ion: 76 Resp: 3666  
Ion Ratio Lower Upper  
76 100  
78 31.3 26.2 39.2



#54  
2-Hexanone  
Concen: 0.895 ug/l  
RT: 8.698 min Scan# 2304  
Delta R.T. 0.022 min  
Lab File: VU061162.D  
Acq: 18 Oct 2024 13:49

Tgt Ion: 43 Resp: 4925  
Ion Ratio Lower Upper  
43 100  
58 62.8 41.8 81.8  
57 21.1 1.4 41.4





#55

Dibromochloromethane

Concen: 0.206 ug/l

RT: 8.804 min Scan# 2337

Delta R.T. 0.003 min

Lab File: VU061162.D

Acq: 18 Oct 2024 13:49

Instrument :

MSVOA\_U

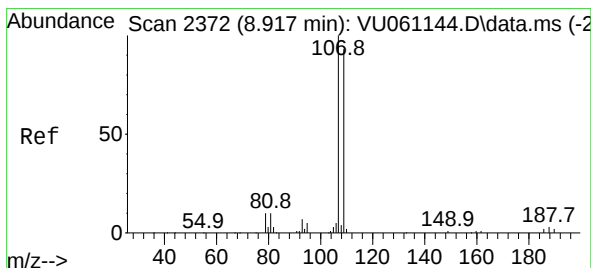
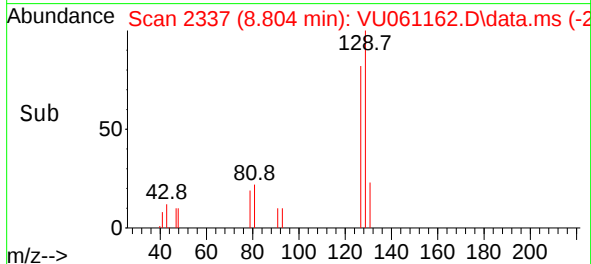
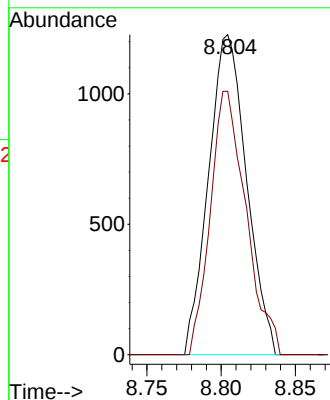
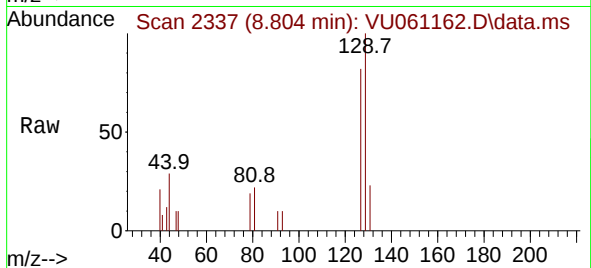
ClientSampleId :

Tgt Ion:129 Resp: 2187

Ion Ratio Lower Upper

129 100

127 77.1 61.9 92.9



#56

1,2-Dibromoethane

Concen: 0.196 ug/l

RT: 8.923 min Scan# 2374

Delta R.T. 0.006 min

Lab File: VU061162.D

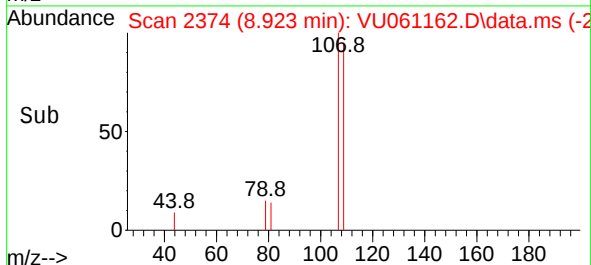
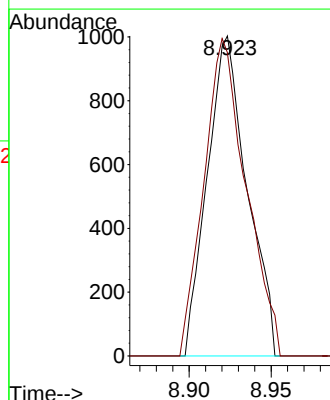
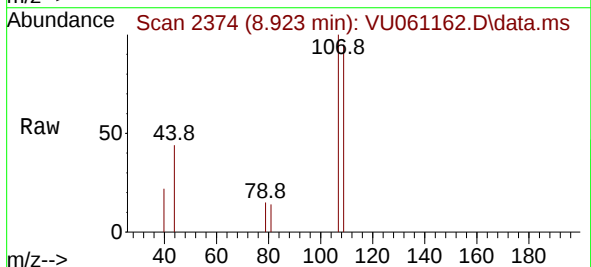
Acq: 18 Oct 2024 13:49

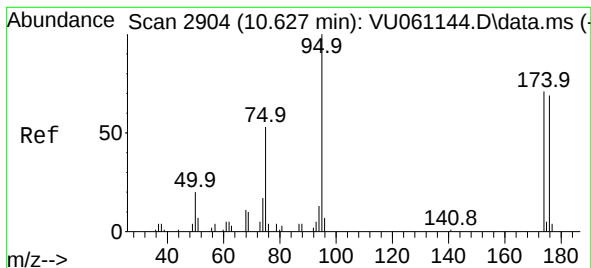
Tgt Ion:107 Resp: 1691

Ion Ratio Lower Upper

107 100

109 105.1 0.0 185.2





#57

4-Bromofluorobenzene

Concen: 0.919 ug/l

RT: 10.631 min Scan# 2905

Delta R.T. 0.003 min

Lab File: VU061162.D

Acq: 18 Oct 2024 13:49

Instrument :

MSVOA\_U

ClientSampleId :

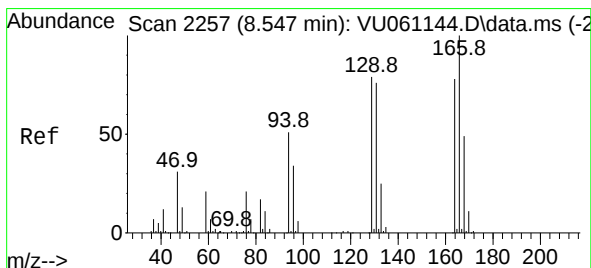
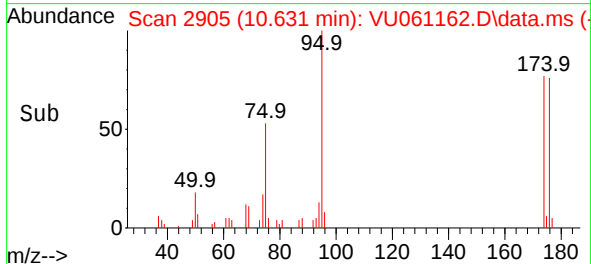
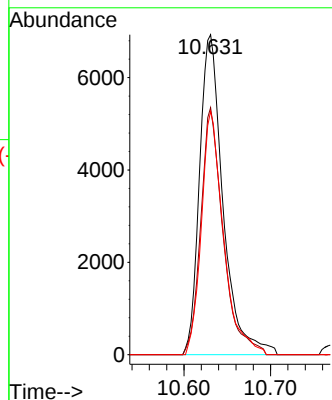
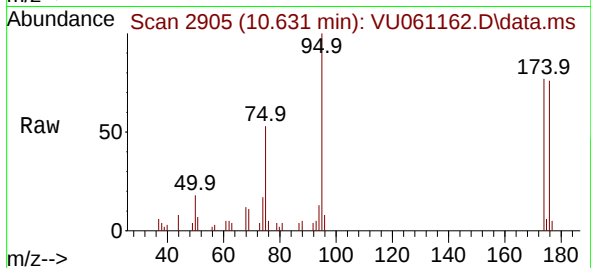
Tgt Ion: 95 Resp: 13073

Ion Ratio Lower Upper

95 100

174 73.2 55.4 83.0

176 71.7 54.4 81.6



#58

Tetrachloroethene

Concen: 0.237 ug/l

RT: 8.547 min Scan# 2257

Delta R.T. -0.000 min

Lab File: VU061162.D

Acq: 18 Oct 2024 13:49

Tgt Ion:164 Resp: 2722

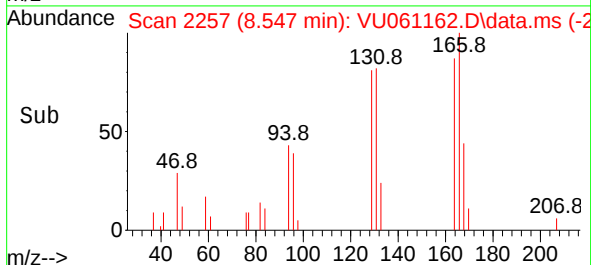
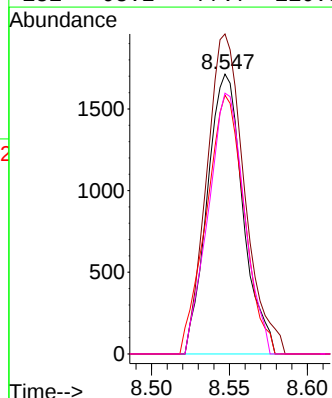
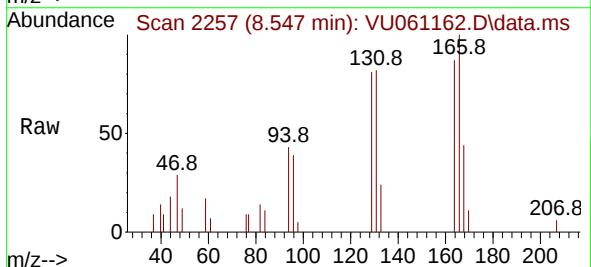
Ion Ratio Lower Upper

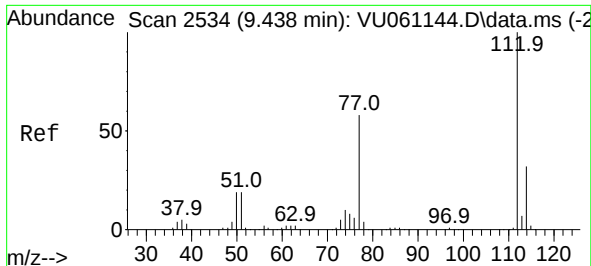
164 100

166 114.4 102.1 153.1

129 92.5 80.6 120.8

131 93.2 77.7 116.5





#59

Chlorobenzene

Concen: 0.230 ug/l

RT: 9.444 min Scan# 2536

Delta R.T. 0.006 min

Lab File: VU061162.D

Acq: 18 Oct 2024 13:49

Instrument :

MSVOA\_U

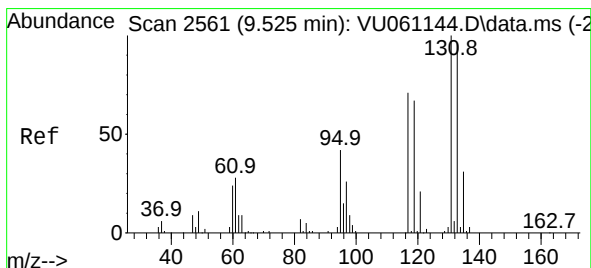
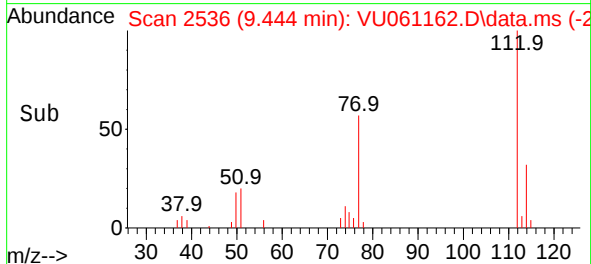
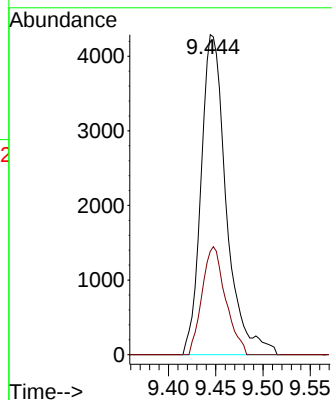
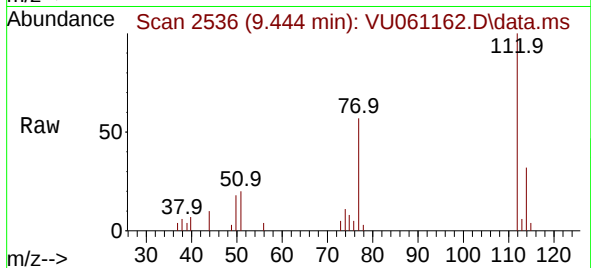
ClientSampleId :

Tgt Ion:112 Resp: 7958

Ion Ratio Lower Upper

112 100

114 32.3 25.4 38.2



#60

1,1,1,2-Tetrachloroethane

Concen: 0.229 ug/l

RT: 9.525 min Scan# 2561

Delta R.T. -0.000 min

Lab File: VU061162.D

Acq: 18 Oct 2024 13:49

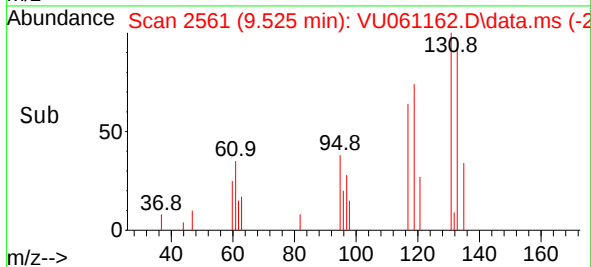
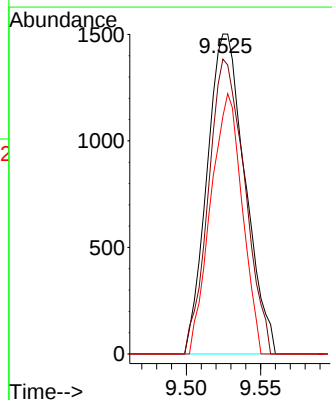
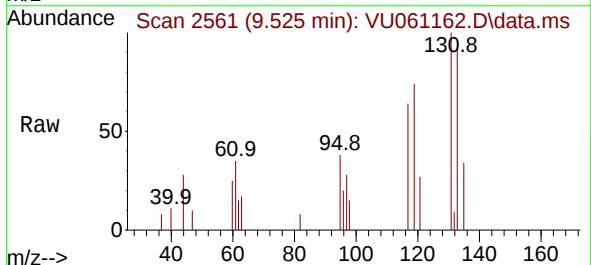
Tgt Ion:131 Resp: 2668

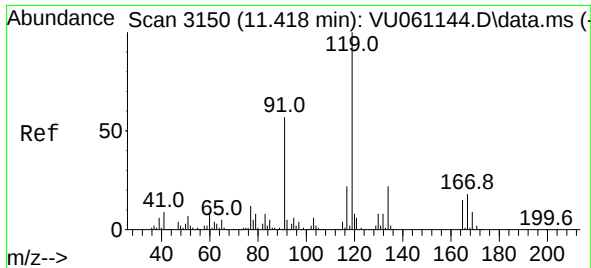
Ion Ratio Lower Upper

131 100

133 88.1 76.8 115.2

119 67.5 54.2 81.2

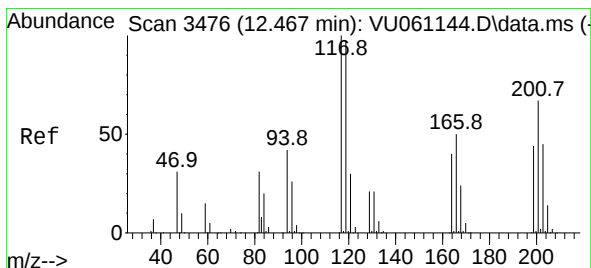
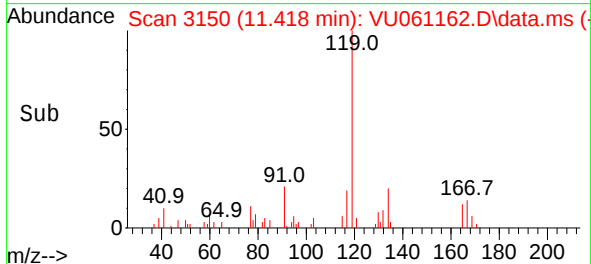
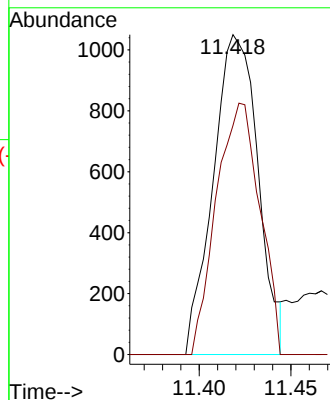
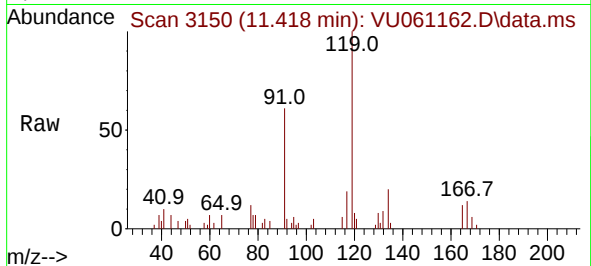




#61  
Pentachloroethane  
Concen: 0.200 ug/l  
RT: 11.418 min Scan# 3150  
Delta R.T. -0.000 min  
Lab File: VU061162.D  
Acq: 18 Oct 2024 13:49

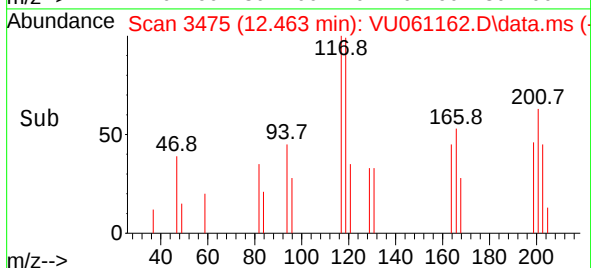
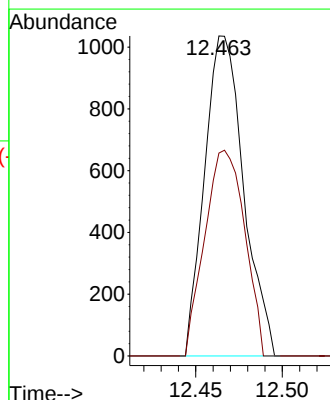
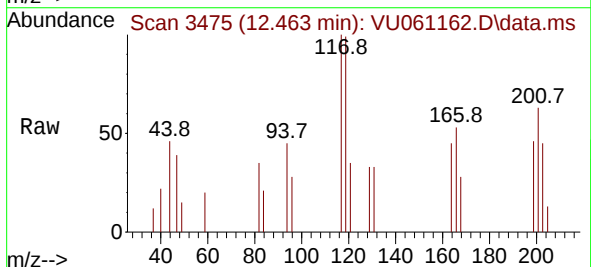
Instrument :  
MSVOA\_U  
ClientSampleId :

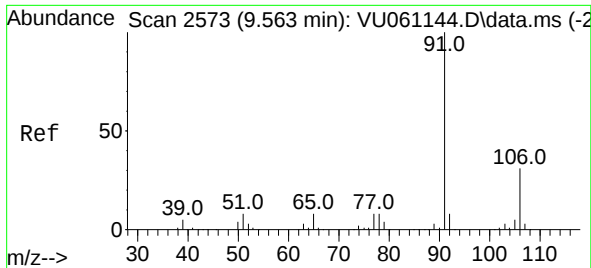
Tgt Ion:117 Resp: 1789  
Ion Ratio Lower Upper  
117 100  
167 76.2 63.4 95.2



#62  
Hexachloroethane  
Concen: 0.177 ug/l  
RT: 12.463 min Scan# 3475  
Delta R.T. -0.003 min  
Lab File: VU061162.D  
Acq: 18 Oct 2024 13:49

Tgt Ion:117 Resp: 1626  
Ion Ratio Lower Upper  
117 100  
201 65.7 54.3 81.5





#63

Ethyl Benzene

Concen: 0.214 ug/l

RT: 9.566 min Scan# 2573

Delta R.T. 0.003 min

Lab File: VU061162.D

Acq: 18 Oct 2024 13:49

Instrument :

MSVOA\_U

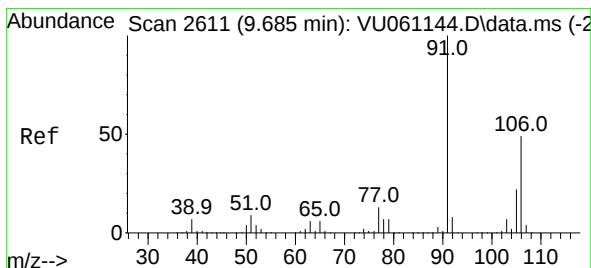
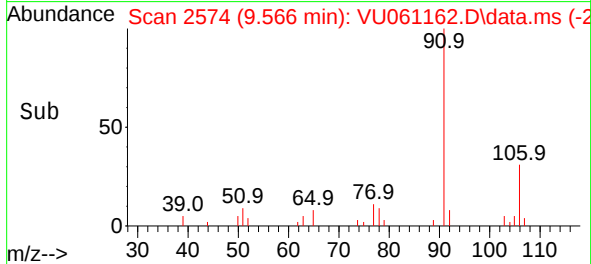
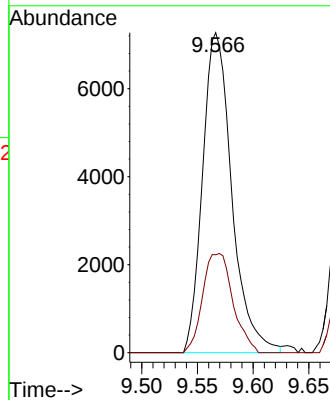
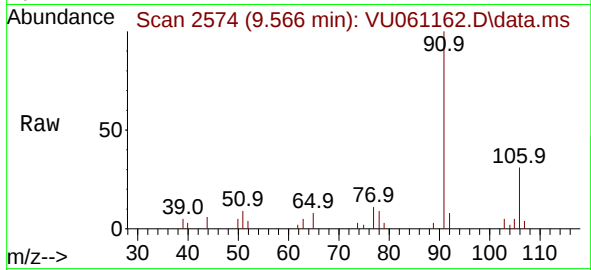
ClientSampleId :

Tgt Ion: 91 Resp: 13277

Ion Ratio Lower Upper

91 100

106 30.6 24.6 37.0



#64

m/p-Xylenes

Concen: 0.414 ug/l

RT: 9.692 min Scan# 2613

Delta R.T. 0.006 min

Lab File: VU061162.D

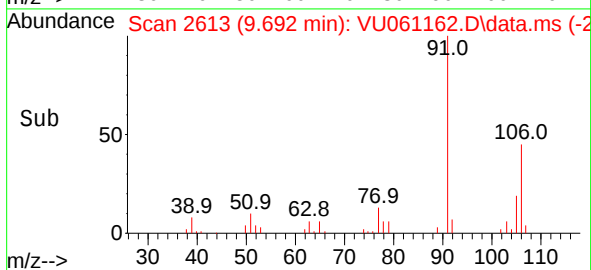
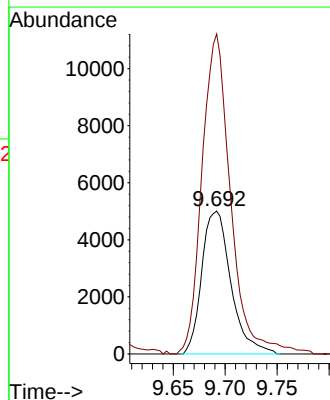
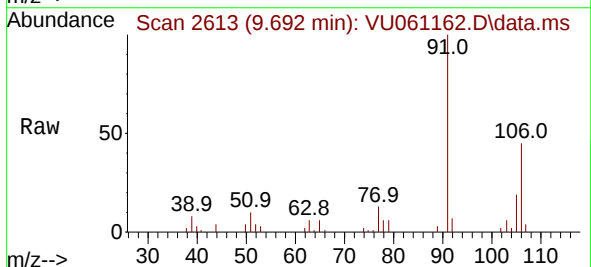
Acq: 18 Oct 2024 13:49

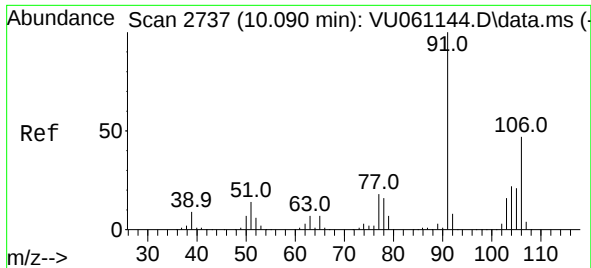
Tgt Ion: 106 Resp: 9763

Ion Ratio Lower Upper

106 100

91 220.1 163.3 244.9

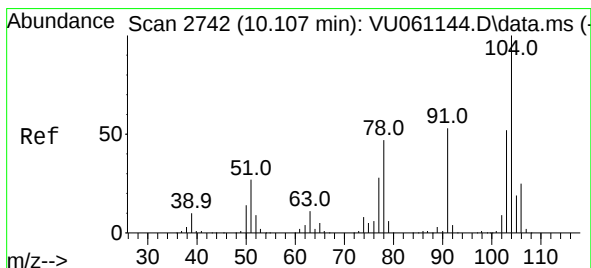
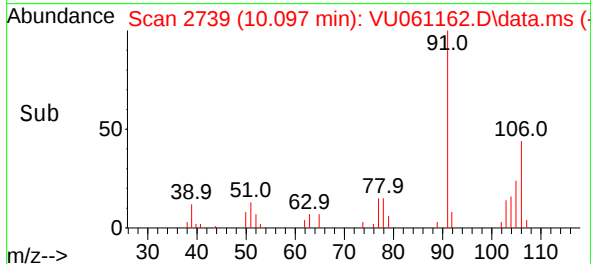
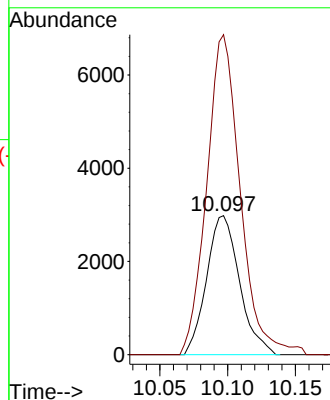
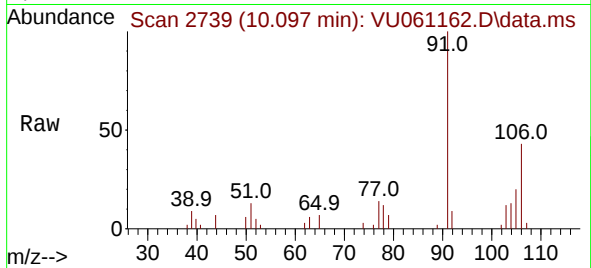




#65  
o-Xylene  
Concen: 0.217 ug/l  
RT: 10.097 min Scan# 2737  
Delta R.T. 0.006 min  
Lab File: VU061162.D  
Acq: 18 Oct 2024 13:49

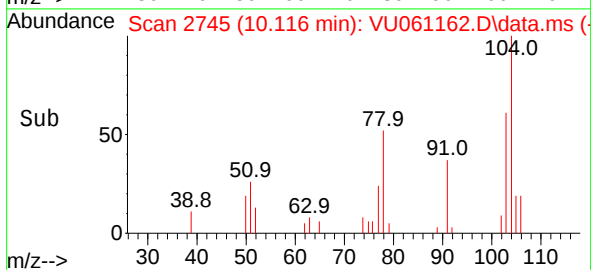
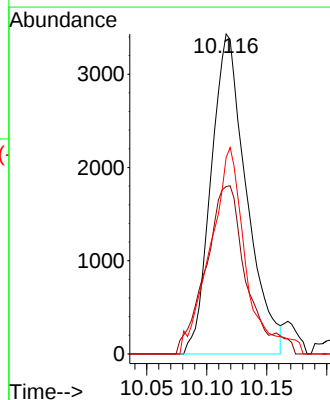
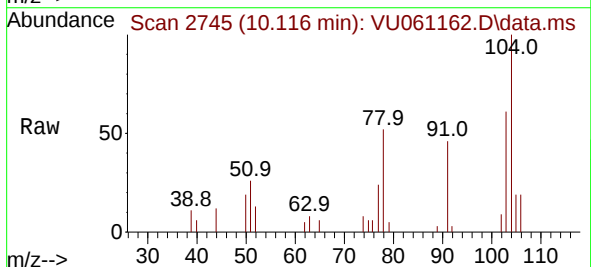
Instrument :  
MSVOA\_U  
ClientSampleId :

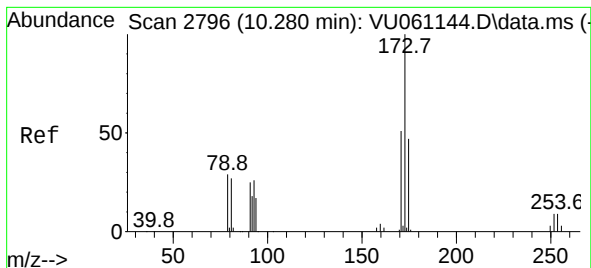
Tgt Ion:106 Resp: 5044  
Ion Ratio Lower Upper  
106 100  
91 234.2 106.9 320.8



#66  
Styrene  
Concen: 0.194 ug/l  
RT: 10.116 min Scan# 2745  
Delta R.T. 0.010 min  
Lab File: VU061162.D  
Acq: 18 Oct 2024 13:49

Tgt Ion:104 Resp: 7020  
Ion Ratio Lower Upper  
104 100  
78 60.3 41.6 62.4  
103 64.7 45.0 67.6





#67

Bromoform

Concen: 0.166 ug/l

RT: 10.290 min Scan# 21

Delta R.T. 0.010 min

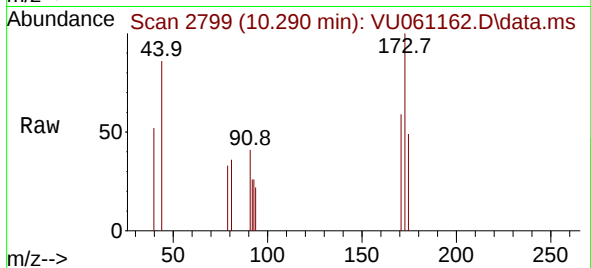
Lab File: VU061162.D

Acq: 18 Oct 2024 13:49

Instrument :

MSVOA\_U

ClientSampleId :



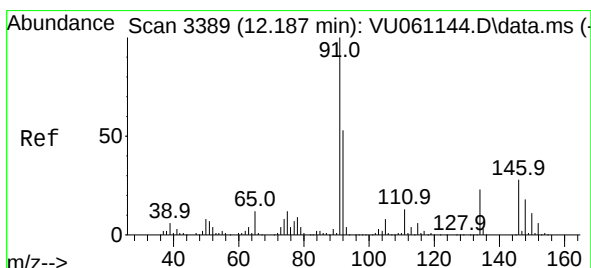
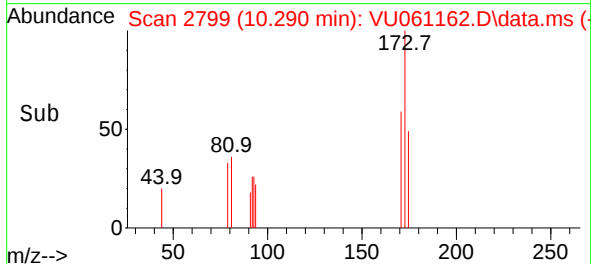
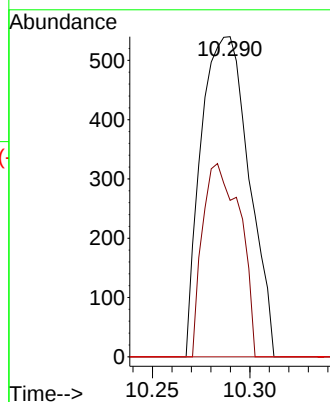
Tgt Ion:173 Resp: 921

Ion Ratio Lower Upper

173 100

175 47.6 37.8 56.8

254 0.0 7.0 10.4#



#68

1,2-Dichlorobenzene-d4

Concen: 0.954 ug/l

RT: 12.187 min Scan# 3389

Delta R.T. -0.000 min

Lab File: VU061162.D

Acq: 18 Oct 2024 13:49

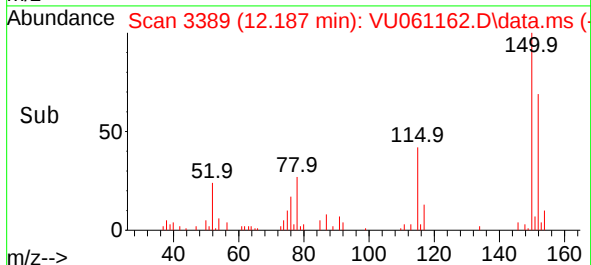
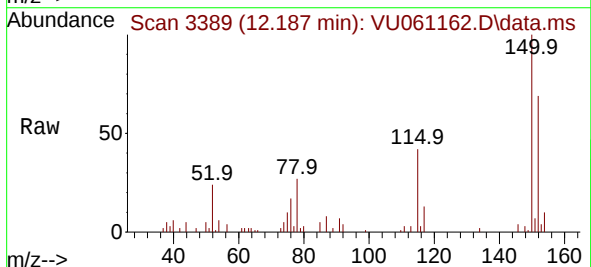
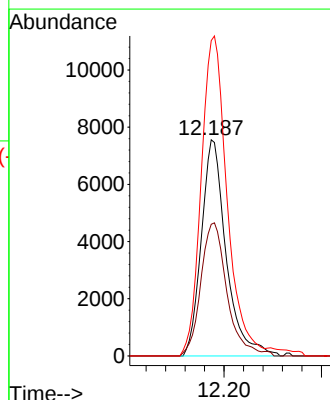
Tgt Ion:152 Resp: 13376

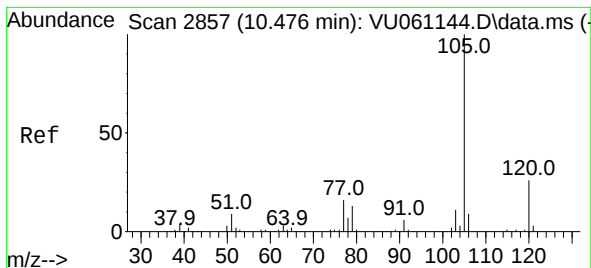
Ion Ratio Lower Upper

152 100

115 65.0 0.0 275.0

150 157.5 0.0 668.8





#69

Isopropylbenzene

Concen: 0.219 ug/l

RT: 10.480 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU061162.D

Acq: 18 Oct 2024 13:49

Instrument :

MSVOA\_U

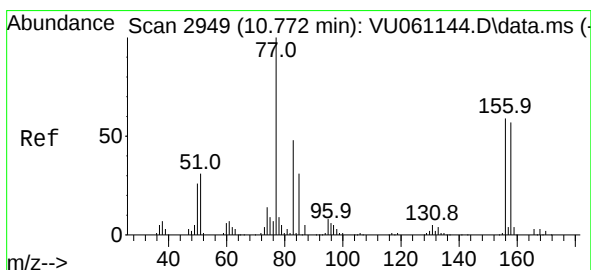
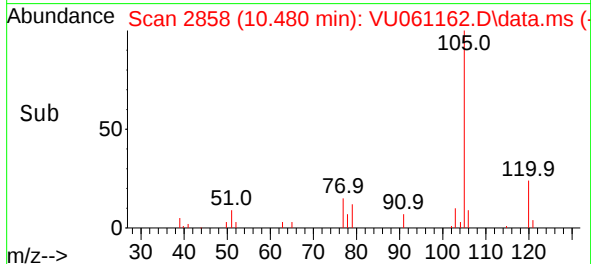
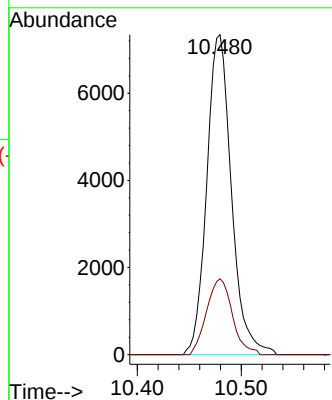
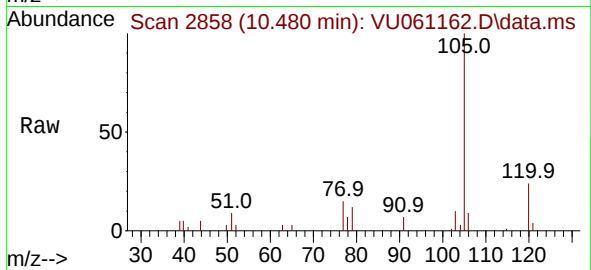
ClientSampleId :

Tgt Ion:105 Resp: 12089

Ion Ratio Lower Upper

105 100

120 24.8 13.1 39.1



#70

1,1,2,2-Tetrachloroethane

Concen: 0.224 ug/l

RT: 10.775 min Scan# 2950

Delta R.T. 0.003 min

Lab File: VU061162.D

Acq: 18 Oct 2024 13:49

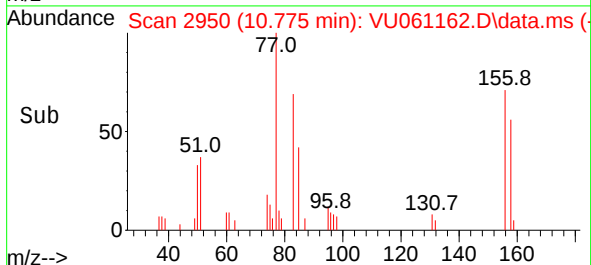
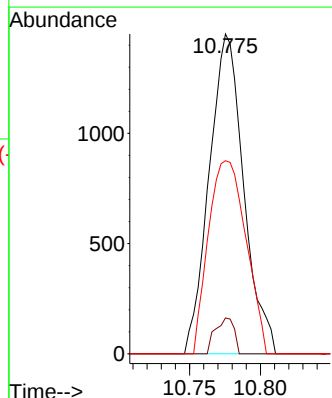
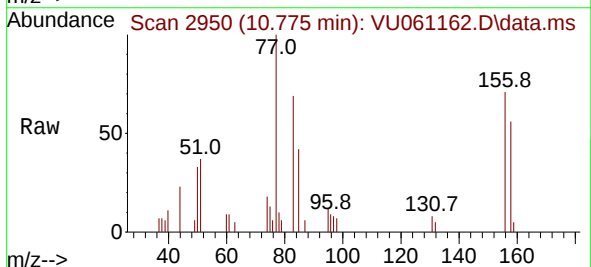
Tgt Ion: 83 Resp: 2454

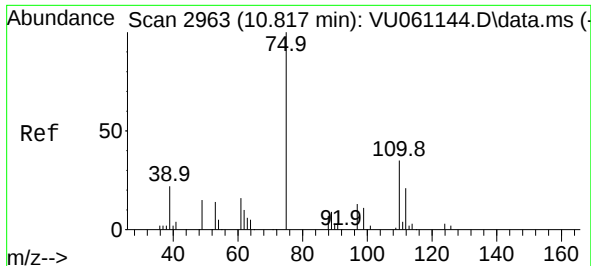
Ion Ratio Lower Upper

83 100

131 6.1 7.8 11.8#

85 65.8 50.8 76.2

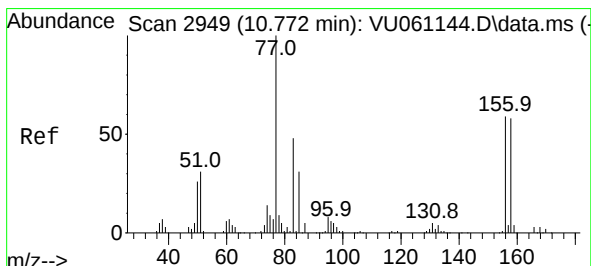
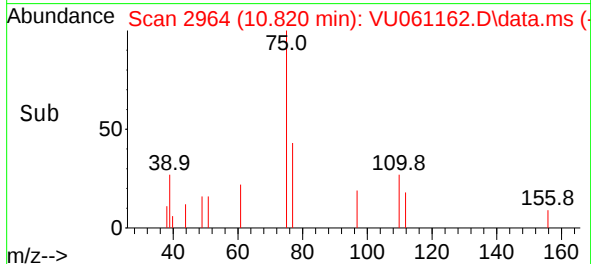
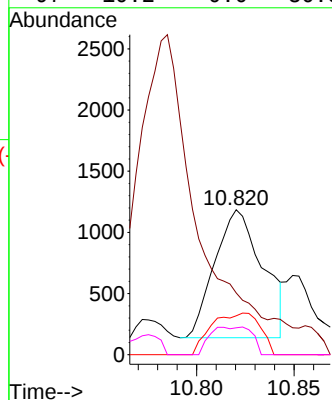
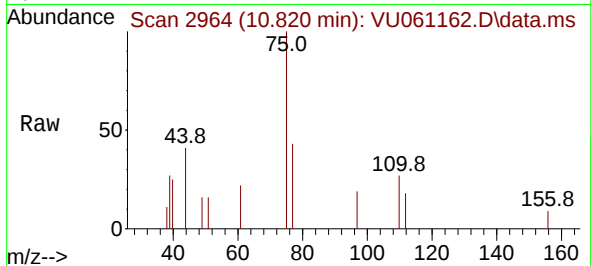




#71  
1,2,3-Trichloropropane  
Concen: 0.201 ug/l  
RT: 10.820 min Scan# 2964  
Delta R.T. 0.003 min  
Lab File: VU061162.D  
Acq: 18 Oct 2024 13:49

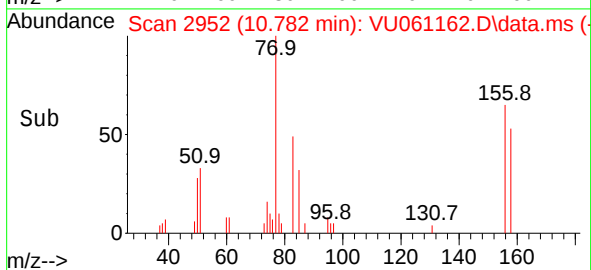
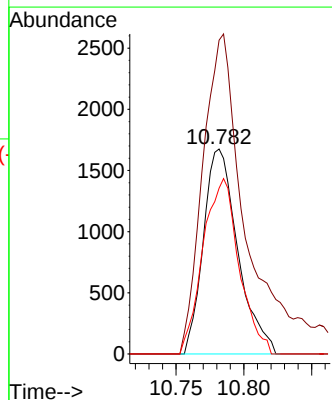
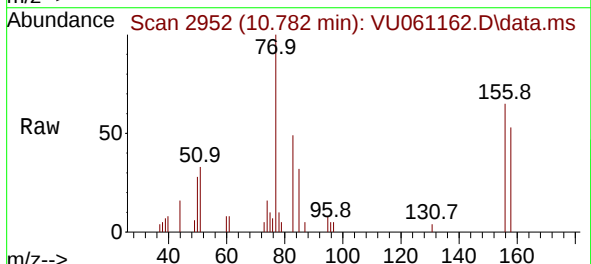
Instrument :  
MSVOA\_U  
ClientSampleId :

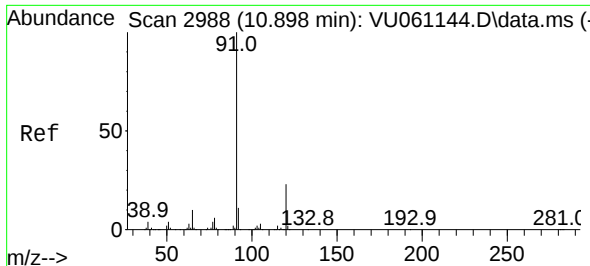
|             |             |
|-------------|-------------|
| Tgt Ion: 75 | Resp: 1788  |
| Ion Ratio   | Lower Upper |
| 75 100      |             |
| 77 0.0      | 0.0 0.0     |
| 110 33.1    | 0.0 68.6    |
| 97 10.2     | 0.0 36.8    |



#72  
Bromobenzene  
Concen: 0.223 ug/l  
RT: 10.782 min Scan# 2952  
Delta R.T. 0.010 min  
Lab File: VU061162.D  
Acq: 18 Oct 2024 13:49

|             |       |       |       |
|-------------|-------|-------|-------|
| Tgt Ion:156 | Resp: | 2961  |       |
| Ion         | Ratio | Lower | Upper |
| 156         | 100   |       |       |
| 77          | 200.6 | 0.0   | 337.2 |
| 158         | 89.6  | 0.0   | 192.8 |

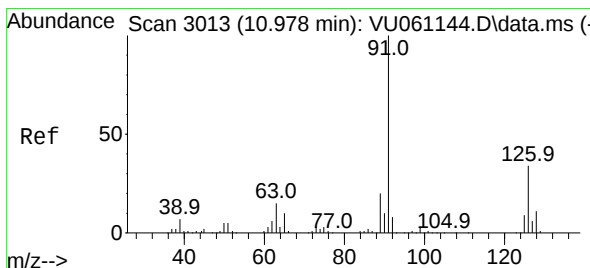
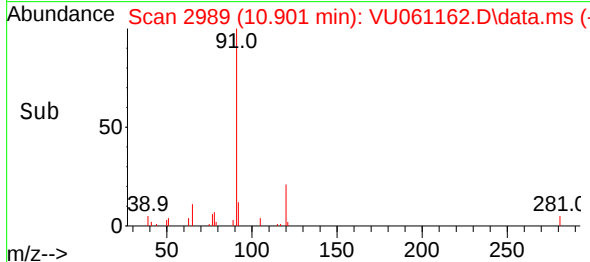
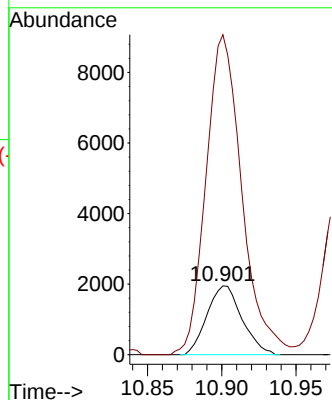
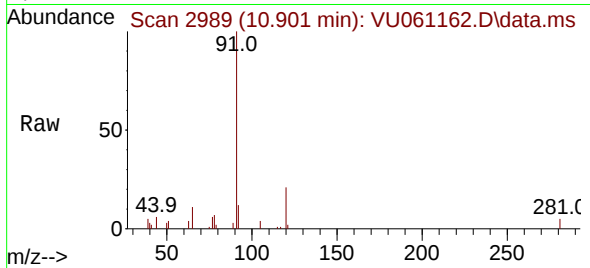




#73  
n-propylbenzene  
Concen: 0.198 ug/l  
RT: 10.901 min Scan# 2989  
Delta R.T. 0.003 min  
Lab File: VU061162.D  
Acq: 18 Oct 2024 13:49

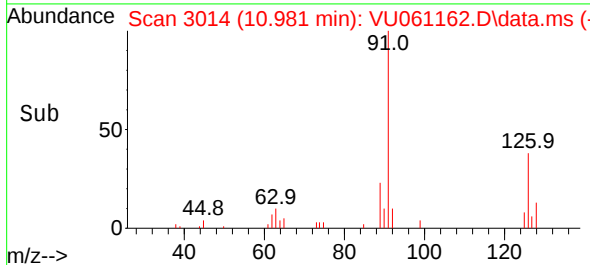
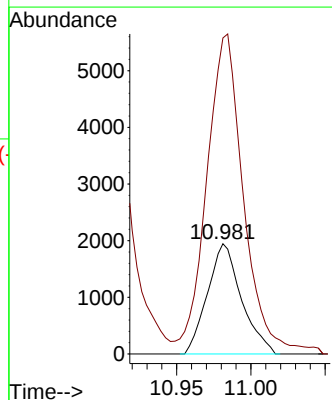
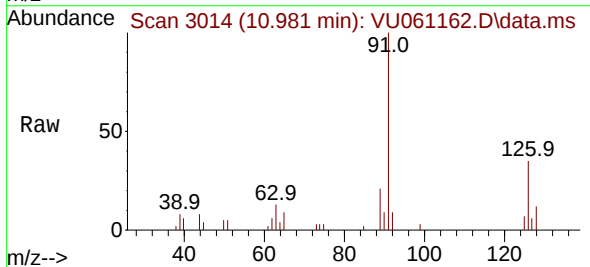
Instrument :  
MSVOA\_U  
ClientSampleId :

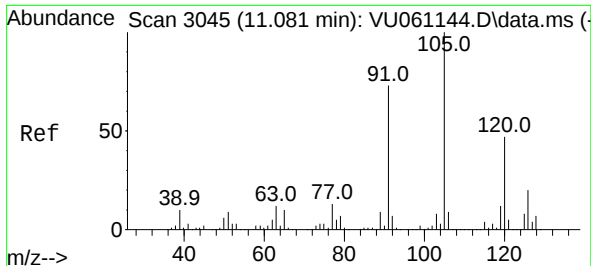
Tgt Ion:120 Resp: 3197  
Ion Ratio Lower Upper  
120 100  
91 476.7 353.6 530.4



#74  
2-Chlorotoluene  
Concen: 0.222 ug/l  
RT: 10.981 min Scan# 3014  
Delta R.T. 0.003 min  
Lab File: VU061162.D  
Acq: 18 Oct 2024 13:49

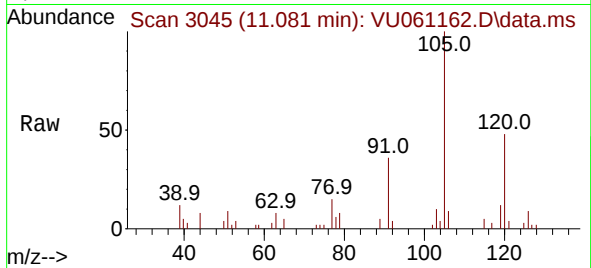
Tgt Ion:126 Resp: 3094  
Ion Ratio Lower Upper  
126 100  
91 315.8 0.0 595.2



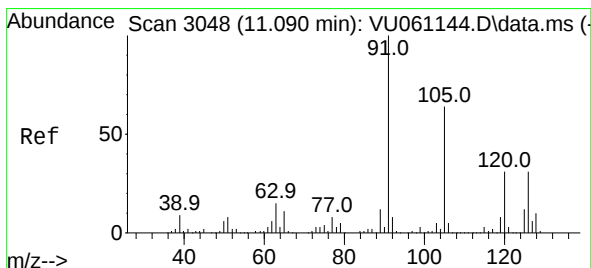
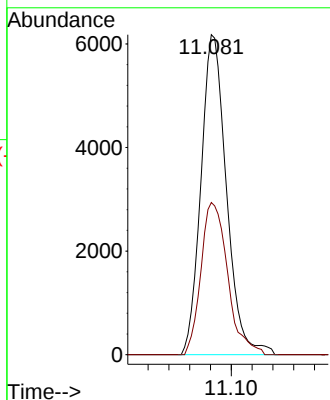
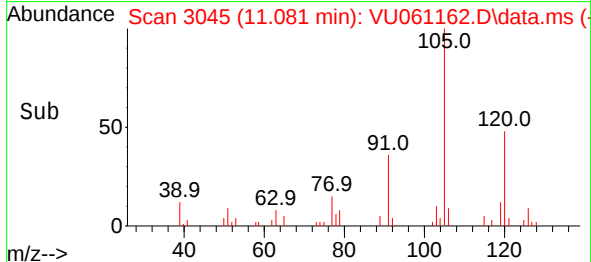


#75  
1,3,5-Trimethylbenzene  
Concen: 0.211 ug/l  
RT: 11.081 min Scan# 3045  
Delta R.T. -0.000 min  
Lab File: VU061162.D  
Acq: 18 Oct 2024 13:49

Instrument :  
MSVOA\_U  
ClientSampleId :

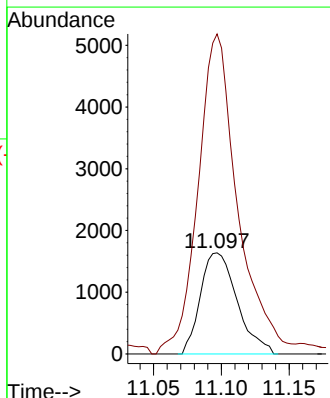
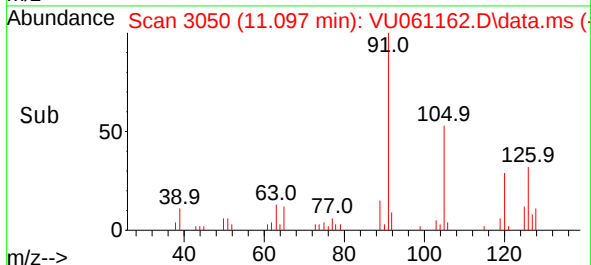
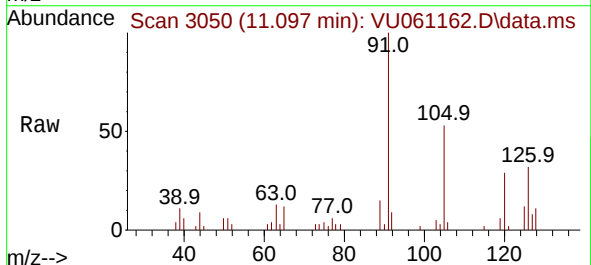


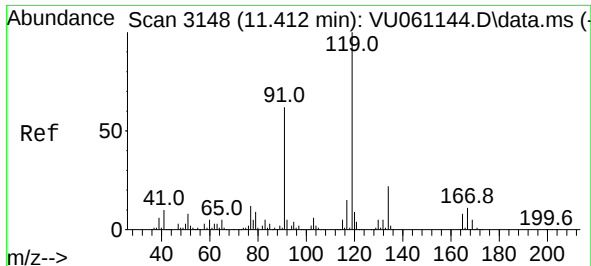
Tgt Ion:105 Resp: 10530  
Ion Ratio Lower Upper  
105 100  
120 49.9 38.0 57.0



#76  
4-Chlorotoluene  
Concen: 0.218 ug/l  
RT: 11.097 min Scan# 3050  
Delta R.T. 0.006 min  
Lab File: VU061162.D  
Acq: 18 Oct 2024 13:49

Tgt Ion:126 Resp: 3089  
Ion Ratio Lower Upper  
126 100  
91 341.6 0.0 678.2





#77

tert-Butylbenzene

Concen: 0.216 ug/l

RT: 11.412 min Scan# 3148

Delta R.T. -0.000 min

Lab File: VU061162.D

Acq: 18 Oct 2024 13:49

Instrument :

MSVOA\_U

ClientSampleId :

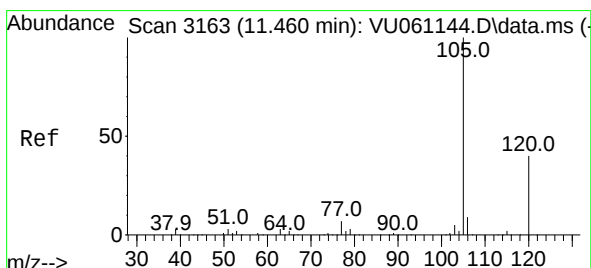
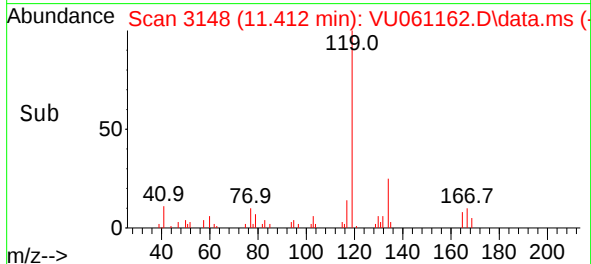
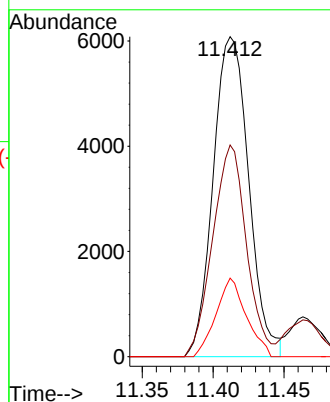
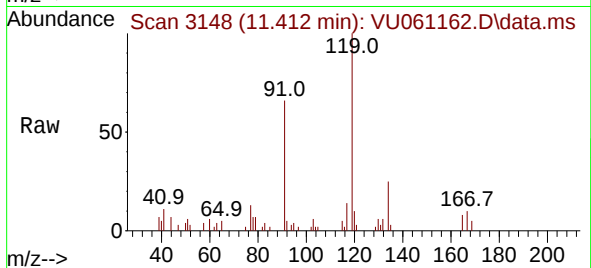
Tgt Ion:119 Resp: 10633

Ion Ratio Lower Upper

119 100

91 63.0 30.1 90.5

134 20.9 17.5 26.3



#78

1,2,4-Trimethylbenzene

Concen: 0.213 ug/l

RT: 11.463 min Scan# 3164

Delta R.T. 0.003 min

Lab File: VU061162.D

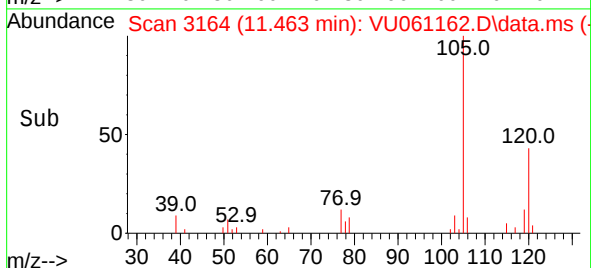
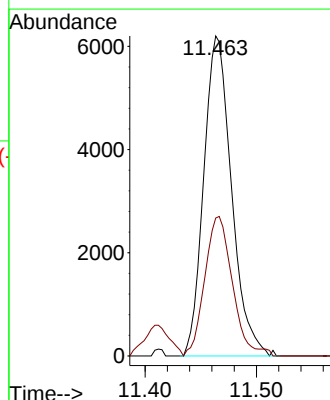
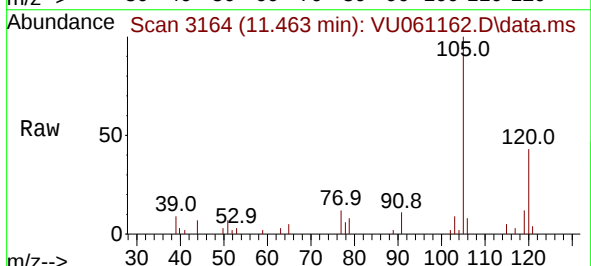
Acq: 18 Oct 2024 13:49

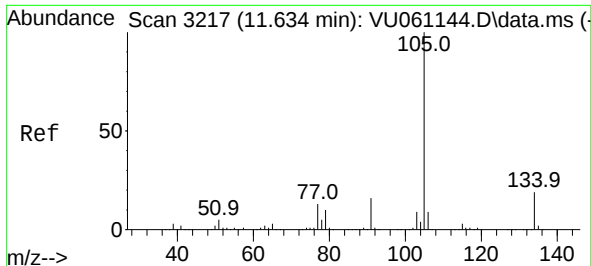
Tgt Ion:105 Resp: 10729

Ion Ratio Lower Upper

105 100

120 43.5 22.3 66.9





#79

sec-Butylbenzene

Concen: 0.213 ug/l

RT: 11.637 min Scan# 3217

Delta R.T. 0.003 min

Lab File: VU061162.D

Acq: 18 Oct 2024 13:49

Instrument :

MSVOA\_U

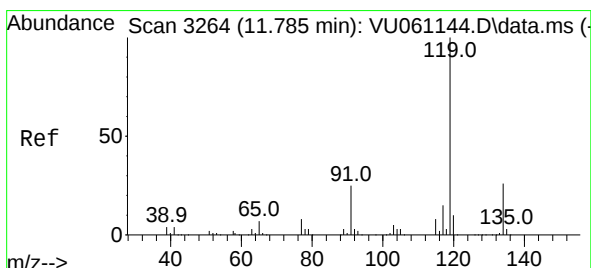
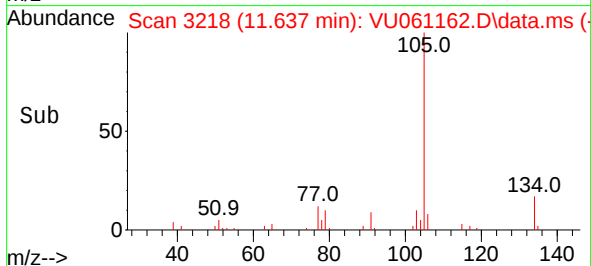
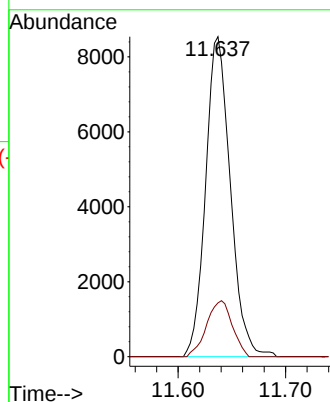
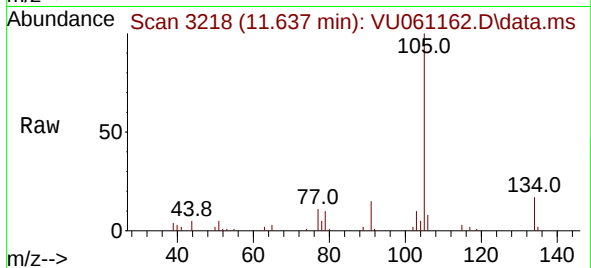
ClientSampleId :

Tgt Ion:105 Resp: 13661

Ion Ratio Lower Upper

105 100

134 18.1 15.5 23.3



#81

p-Isopropyltoluene

Concen: 0.206 ug/l

RT: 11.785 min Scan# 3264

Delta R.T. -0.000 min

Lab File: VU061162.D

Acq: 18 Oct 2024 13:49

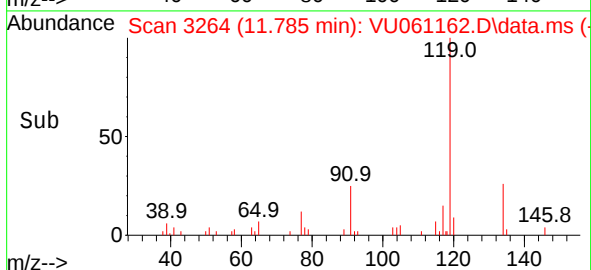
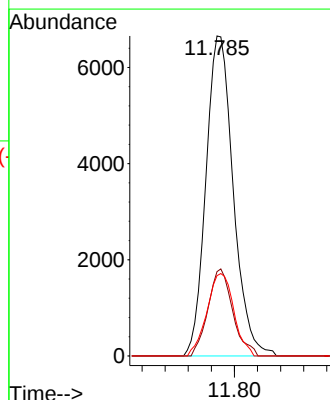
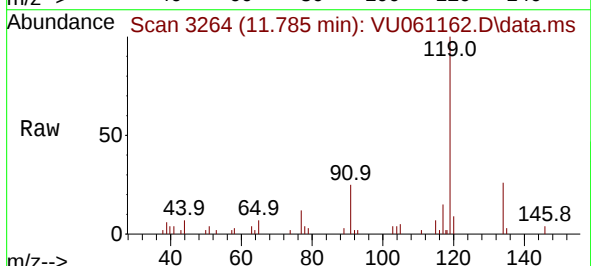
Tgt Ion:119 Resp: 10926

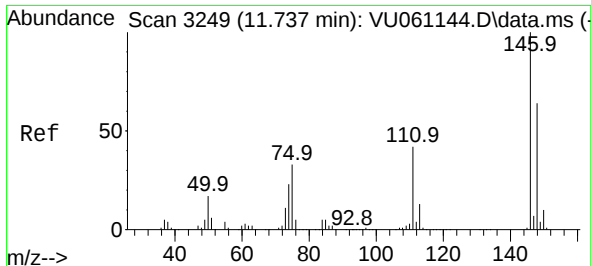
Ion Ratio Lower Upper

119 100

134 24.6 21.0 31.6

91 25.2 19.8 29.8





#82

1,3-Dichlorobenzene

Concen: 0.209 ug/l

RT: 11.743 min Scan# 31

Delta R.T. 0.006 min

Lab File: VU061162.D

Acq: 18 Oct 2024 13:49

Instrument :

MSVOA\_U

ClientSampleId :

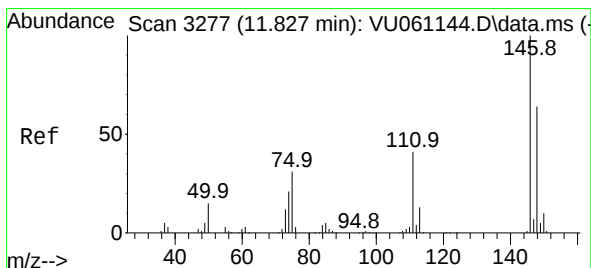
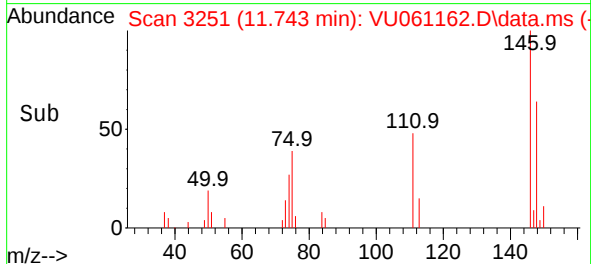
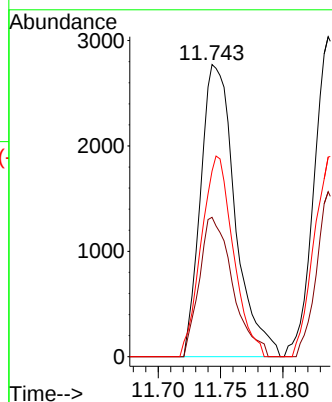
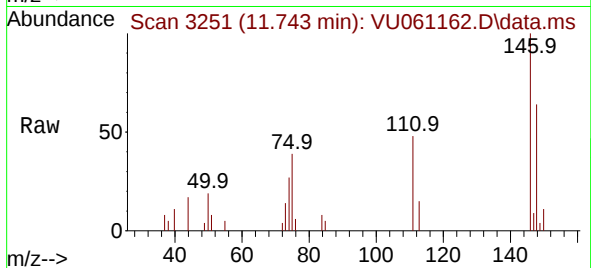
Tgt Ion:146 Resp: 5327

Ion Ratio Lower Upper

146 100

111 46.3 34.1 51.1

148 63.9 51.2 76.8



#83

1,4-Dichlorobenzene

Concen: 0.231 ug/l

RT: 11.836 min Scan# 3280

Delta R.T. 0.010 min

Lab File: VU061162.D

Acq: 18 Oct 2024 13:49

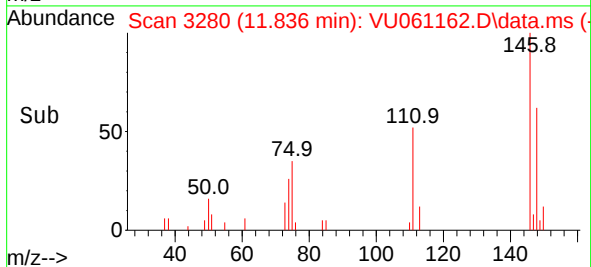
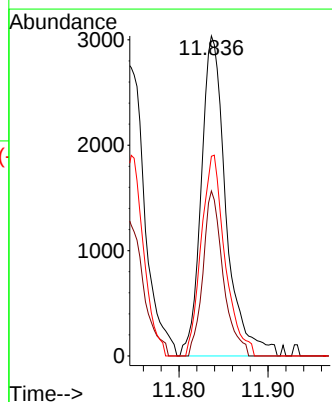
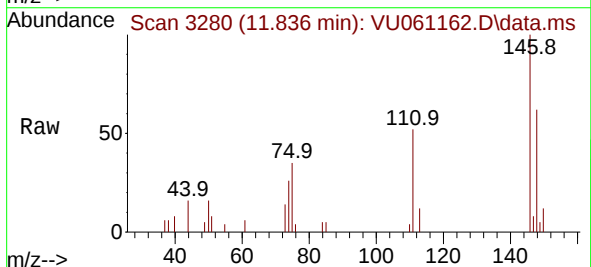
Tgt Ion:146 Resp: 5870

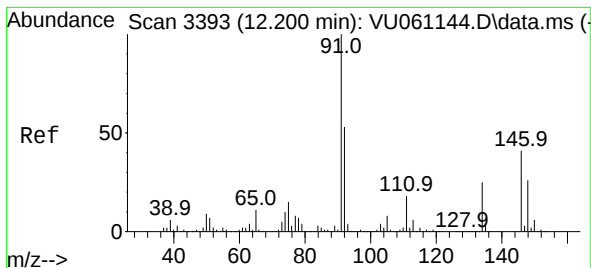
Ion Ratio Lower Upper

146 100

111 42.0 32.1 48.1

148 60.3 50.3 75.5





#84

n-Butylbenzene

Concen: 0.188 ug/l

RT: 12.206 min Scan# 3393

Delta R.T. 0.006 min

Lab File: VU061162.D

Acq: 18 Oct 2024 13:49

Instrument :

MSVOA\_U

ClientSampleId :

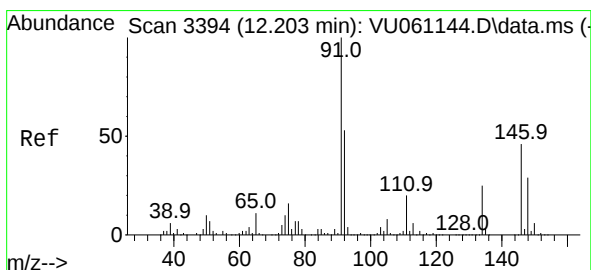
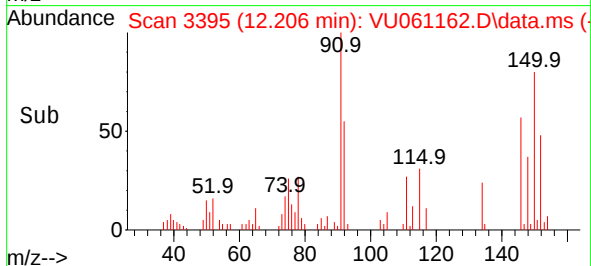
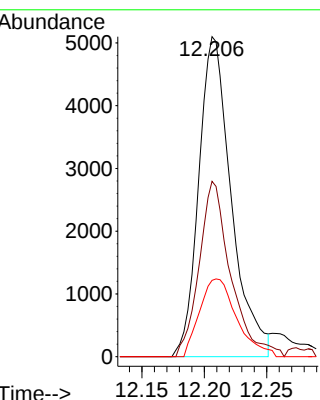
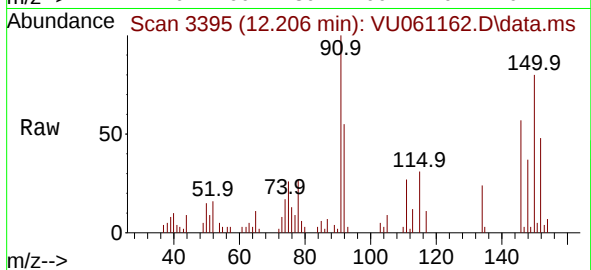
Tgt Ion: 91 Resp: 9268

Ion Ratio Lower Upper

91 100

92 53.1 41.8 62.8

134 27.7 19.7 29.5



#85

1,2-Dichlorobenzene

Concen: 0.228 ug/l

RT: 12.209 min Scan# 3396

Delta R.T. 0.006 min

Lab File: VU061162.D

Acq: 18 Oct 2024 13:49

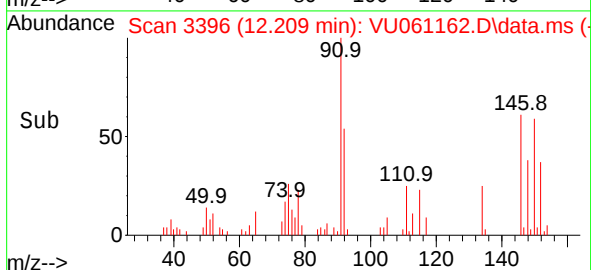
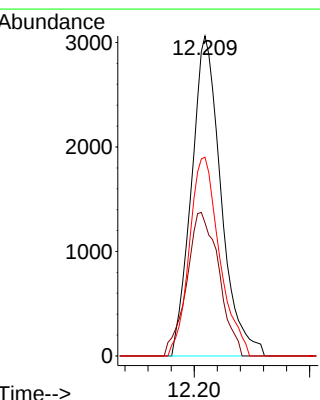
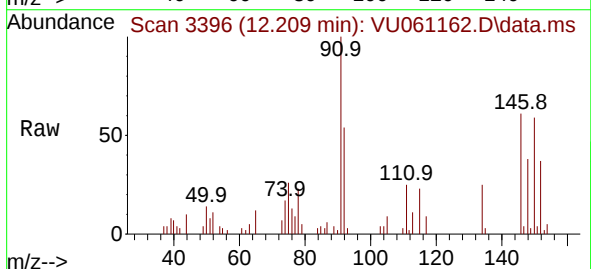
Tgt Ion:146 Resp: 5436

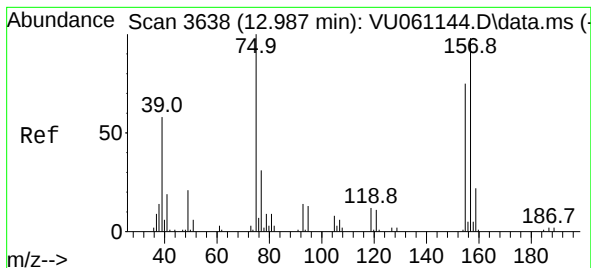
Ion Ratio Lower Upper

146 100

111 48.8 21.9 65.7

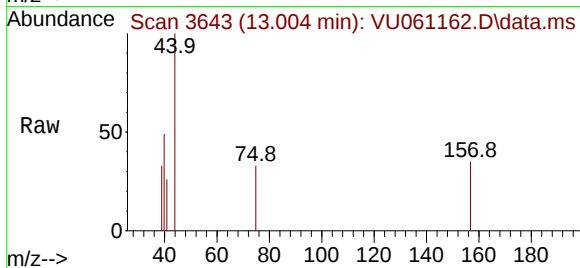
148 63.4 31.9 95.5



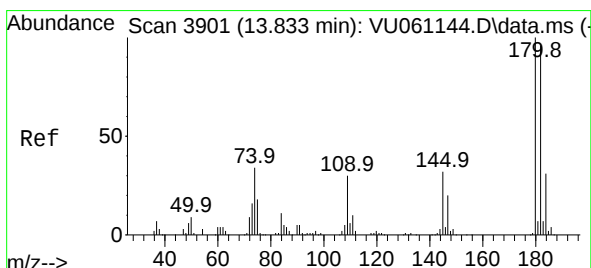
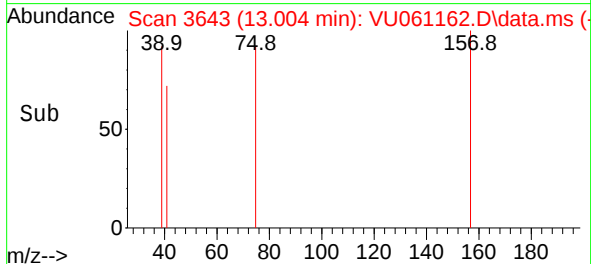
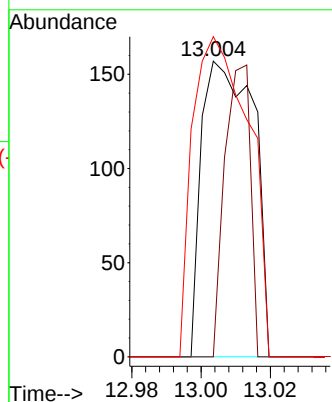


#86  
1,2-Dibromo-3-Chloropropane  
Concen: 0.101 ug/l  
RT: 13.004 min Scan# 3643  
Delta R.T. 0.016 min  
Lab File: VU061162.D  
Acq: 18 Oct 2024 13:49

Instrument :  
MSVOA\_U  
ClientSampleId :

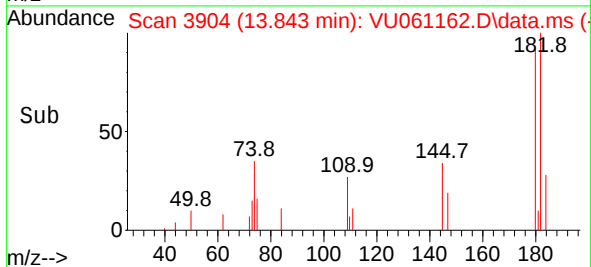
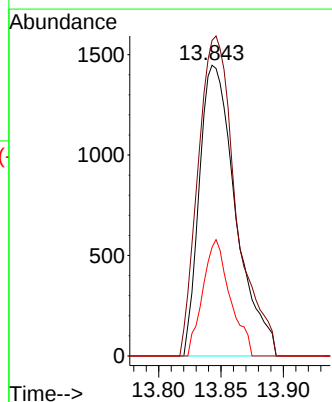
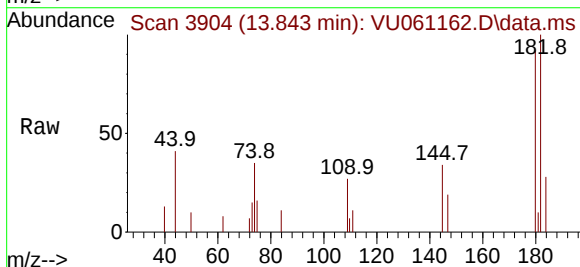


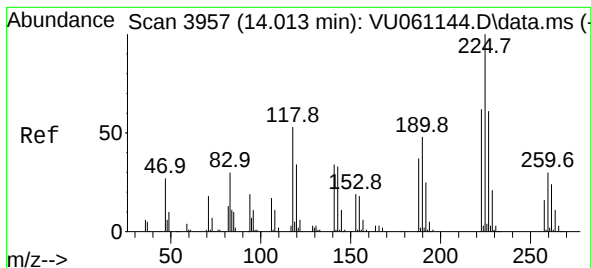
Tgt Ion: 75 Resp: 164  
Ion Ratio Lower Upper  
75 100  
155 48.8 61.4 92.0#  
157 116.5 78.5 117.7



#87  
1,2,4-Trichlorobenzene  
Concen: 0.215 ug/l  
RT: 13.843 min Scan# 3904  
Delta R.T. 0.010 min  
Lab File: VU061162.D  
Acq: 18 Oct 2024 13:49

Tgt Ion: 180 Resp: 2934  
Ion Ratio Lower Upper  
180 100  
182 114.2 77.0 115.6  
145 30.0 25.7 38.5





#88

Hexachlorobutadiene

Concen: 0.222 ug/l

RT: 14.016 min Scan# 3957

Delta R.T. 0.003 min

Lab File: VU061162.D

Acq: 18 Oct 2024 13:49

Instrument :

MSVOA\_U

ClientSampleId :

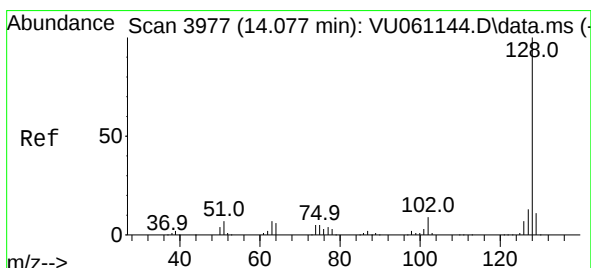
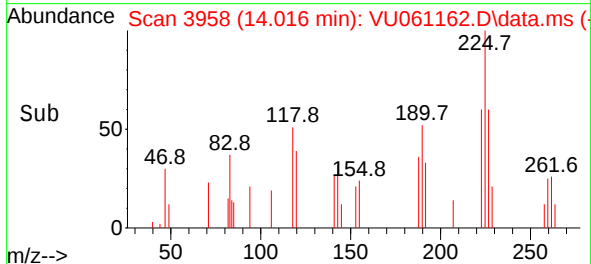
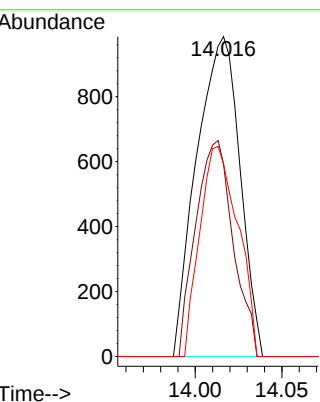
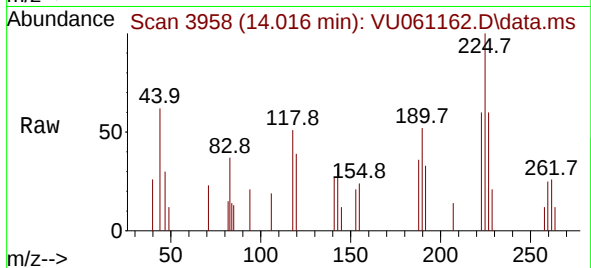
Tgt Ion:225 Resp: 1710

Ion Ratio Lower Upper

225 100

223 58.4 51.4 77.2

227 57.8 50.3 75.5



#89

Naphthalene

Concen: 0.254 ug/l

RT: 14.100 min Scan# 3984

Delta R.T. 0.022 min

Lab File: VU061162.D

Acq: 18 Oct 2024 13:49

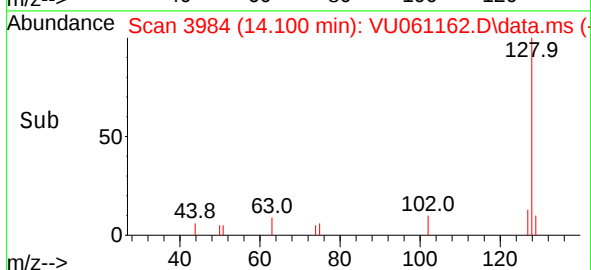
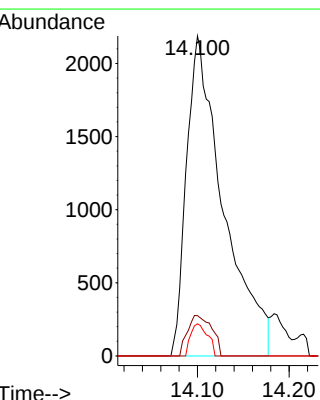
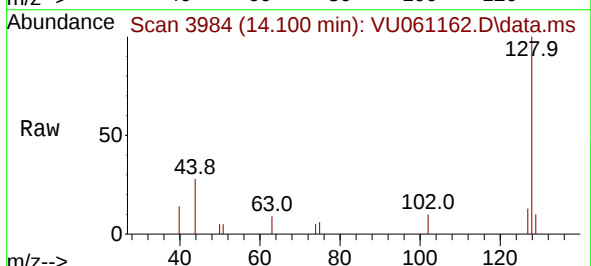
Tgt Ion:128 Resp: 6101

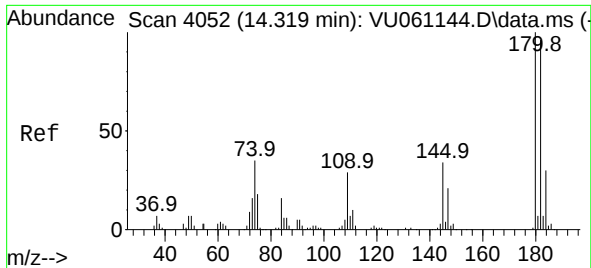
Ion Ratio Lower Upper

128 100

127 8.3 10.6 16.0#

129 4.6 8.7 13.1#





#90

1,2,3-Trichlorobenzene

Concen: 0.240 ug/l

RT: 14.331 min Scan# 4056

Delta R.T. 0.013 min

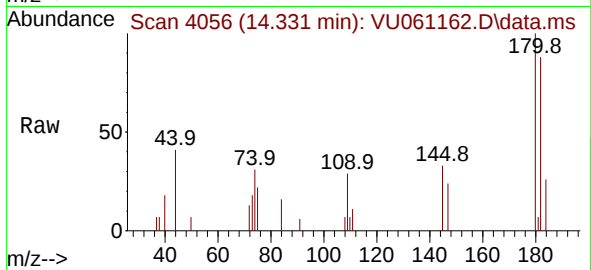
Lab File: VU061162.D

Acq: 18 Oct 2024 13:49

Instrument :

MSVOA\_U

ClientSampleId :



Tgt Ion:180 Resp: 2937

Ion Ratio Lower Upper

180 100

182 94.8 76.2 114.4

145 29.6 26.8 40.2

