

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU101724\  
 Data File : VU061153.D  
 Acq On : 17 Oct 2024 19:56  
 Operator : MD/SY  
 Sample : VSTDCCC010  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Oct 18 04:11:00 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U101724DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Fri Oct 18 02:52:28 2024  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon | Response | Conc   | Units    | Dev(Min) |
|------------------------------|--------|------|----------|--------|----------|----------|
| -----                        |        |      |          |        |          |          |
| Internal Standards           |        |      |          |        |          |          |
| 1) Fluorobenzene             | 6.110  | 96   | 28491    | 1.000  | ug/l     | # 0.00   |
| System Monitoring Compounds  |        |      |          |        |          |          |
| 57) 4-Bromofluorobenzene     | 10.624 | 95   | 14940    | 0.987  | ug/l     | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =      | 99.000%  |          |
| 68) 1,2-Dichlorobenzene-d4   | 12.184 | 152  | 15511    | 1.040  | ug/l     | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =      | 104.000% |          |
| Target Compounds             |        |      |          |        |          |          |
|                              |        |      |          |        |          | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.384  | 85   | 166261   | 10.595 | ug/l     | 100      |
| 3) Chloromethane             | 1.515  | 50   | 155130   | 10.391 | ug/l     | 100      |
| 4) Vinyl Chloride            | 1.599  | 62   | 165397   | 10.787 | ug/l     | 100      |
| 5) Bromomethane              | 1.853  | 94   | 101502   | 10.535 | ug/l     | 99       |
| 6) Chloroethane              | 1.930  | 64   | 110732   | 10.777 | ug/l     | 100      |
| 7) Trichlorofluoromethane    | 2.133  | 101  | 233468   | 10.704 | ug/l     | 99       |
| 8) 1,1,2-Trichloro-1,2,2-... | 2.573  | 101  | 115145   | 10.618 | ug/l     | 98       |
| 9) 1,1-Dichloroethene        | 2.573  | 96   | 121886   | 10.782 | ug/l     | 98       |
| 10) Iodomethane              | 2.715  | 142  | 156976   | 9.809  | ug/l     | 100      |
| 11) Allyl Chloride           | 2.917  | 41   | 153117   | 10.516 | ug/l     | 98       |
| 12) Acrylonitrile            | 3.319  | 53   | 49406    | 21.731 | ug/l     | 97       |
| 13) Acetone                  | 2.647  | 43   | 109600   | 36.961 | ug/l     | 99       |
| 14) Carbon Disulfide         | 2.785  | 76   | 409398   | 10.511 | ug/l     | 100      |
| 15) Methylene Chloride       | 3.036  | 84   | 141111   | 9.646  | ug/l     | 99       |
| 16) trans-1,2-Dichloroethene | 3.345  | 96   | 141686   | 10.688 | ug/l     | 99       |
| 17) 1,1-Dichloroethane       | 3.856  | 63   | 254757   | 10.838 | ug/l     | 100      |
| 18) 2-Butanone               | 4.708  | 43   | 163089   | 44.920 | ug/l     | 100      |
| 19) Cyclohexane              | 5.377  | 56   | 199057   | 9.454  | ug/l     | 90       |
| 20) Methylcyclohexane        | 6.753  | 83   | 249800   | 10.641 | ug/l     | 99       |
| 21) 2,2-Dichloropropane      | 4.654  | 77   | 211963   | 9.775  | ug/l     | 99       |
| 22) cis-1,2-Dichloroethene   | 4.657  | 96   | 155882   | 10.793 | ug/l     | 99       |
| 23) Diethyl Ether            | 2.371  | 59   | 93126    | 10.602 | ug/l     | 97       |
| 24) tert-Butyl Alcohol       | 3.261  | 59   | 88856    | 96.950 | ug/l     | # 81     |
| 25) Methyl tert-Butyl Ether  | 3.355  | 73   | 330396   | 10.910 | ug/l     | 99       |
| 26) Bromochloromethane       | 4.962  | 128  | 64964    | 10.757 | ug/l     | 99       |
| 27) Chloroform               | 5.075  | 83   | 265500   | 10.771 | ug/l     | 99       |
| 28) 1,1,1-Trichloroethane    | 5.306  | 97   | 232769   | 10.711 | ug/l     | 99       |
| 29) 1,1-Dichloropropene      | 5.515  | 75   | 206767   | 10.763 | ug/l     | 99       |
| 30) Carbon Tetrachloride     | 5.515  | 117  | 204478   | 10.844 | ug/l     | 100      |
| 31) Isopropyl Ether          | 3.978  | 45   | 367096   | 10.946 | ug/l     | 100      |
| 32) Ethyl-t-butyl ether      | 4.490  | 59   | 377354   | 10.944 | ug/l     | 99       |
| 33) Tert-Amyl methyl ether   | 5.930  | 73   | 342991   | 11.052 | ug/l     | 99       |
| 34) Propionitrile            | 4.792  | 54   | 49638    | 57.307 | ug/l     | 98       |
| 35) Benzene                  | 5.763  | 78   | 591856   | 10.944 | ug/l     | 99       |
| 36) 1,2-Dichloroethane       | 5.782  | 62   | 167951   | 10.999 | ug/l     | 100      |
| 37) Trichloroethene          | 6.534  | 130  | 154628   | 10.712 | ug/l     | 100      |
| 38) 1,2-Dichloropropane      | 6.779  | 63   | 149736   | 10.931 | ug/l     | 99       |
| 39) Methacrylonitrile        | 4.965  | 41   | 37139    | 11.906 | ug/l     | 96       |
| 40) Methyl acrylate          | 4.843  | 55   | 69571    | 10.997 | ug/l     | 98       |
| 41) Tetrahydrofuran          | 5.055  | 42   | 40166    | 21.438 | ug/l     | 98       |
| 42) 1-Chlorobutane           | 5.448  | 56   | 268562   | 10.899 | ug/l     | 99       |
| 43) Dibromomethane           | 6.911  | 93   | 77023    | 10.844 | ug/l     | 98       |
| 44) Bromodichloromethane     | 7.094  | 83   | 189885   | 10.994 | ug/l     | 98       |

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 Sample : VSTDCCC010  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 19 Sample Multiplier: 1

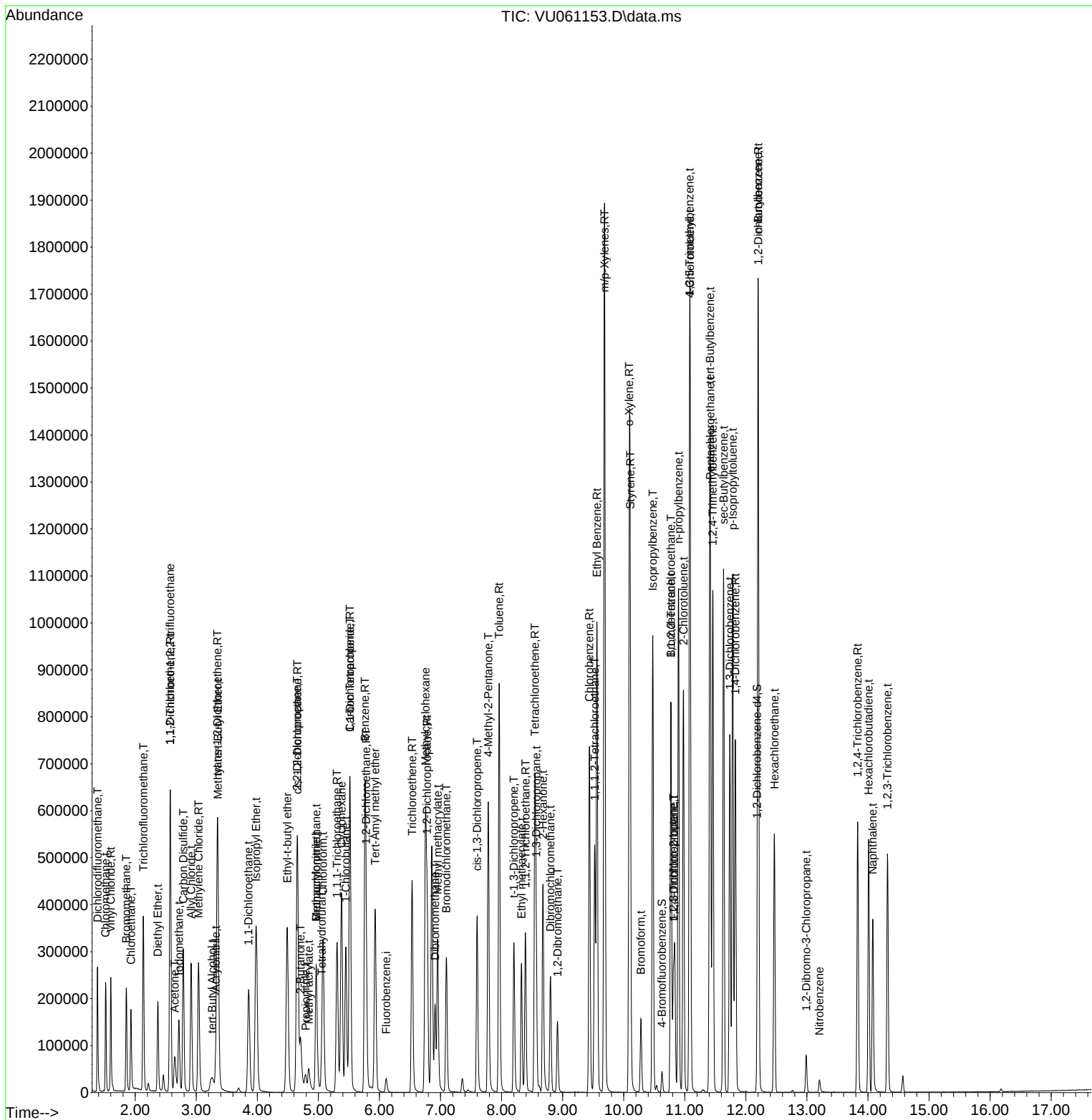
Instrument :  
 MSVOA\_U  
 ClientSampleId :

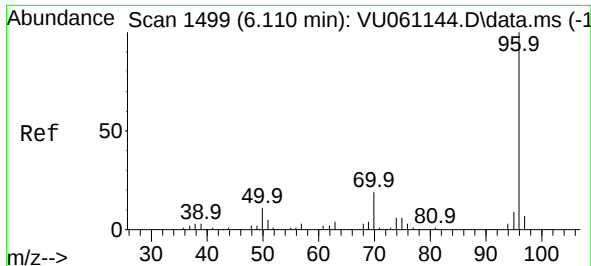
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U101724DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Fri Oct 18 02:52:28 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 45) 4-Methyl-2-Pentanone      | 7.782  | 43   | 389916   | 54.688 | ug/l   | 99       |
| 46) t-1,4-Dichloro-2-butene   | 10.814 | 75   | 171598   | 60.359 | ug/l # | 50       |
| 47) Methyl methacrylate       | 6.952  | 69   | 141054   | 22.851 | ug/l   | 99       |
| 48) Ethyl methacrylate        | 8.325  | 69   | 149778   | 11.379 | ug/l   | 99       |
| 49) Toluene                   | 7.959  | 92   | 374376   | 10.958 | ug/l   | 100      |
| 50) t-1,3-Dichloropropene     | 8.200  | 75   | 182390   | 10.953 | ug/l   | 99       |
| 51) cis-1,3-Dichloropropene   | 7.599  | 75   | 224276   | 10.977 | ug/l   | 99       |
| 52) 1,1,2-Trichloroethane     | 8.390  | 97   | 104200   | 10.878 | ug/l   | 99       |
| 53) 1,3-Dichloropropane       | 8.567  | 76   | 184845   | 10.986 | ug/l   | 99       |
| 54) 2-Hexanone                | 8.676  | 43   | 274068   | 46.792 | ug/l   | 100      |
| 55) Dibromochloromethane      | 8.798  | 129  | 128340   | 11.349 | ug/l   | 99       |
| 56) 1,2-Dibromoethane         | 8.914  | 107  | 100431   | 10.927 | ug/l   | 97       |
| 58) Tetrachloroethene         | 8.544  | 164  | 130306   | 10.646 | ug/l   | 98       |
| 59) Chlorobenzene             | 9.438  | 112  | 400371   | 10.879 | ug/l   | 100      |
| 60) 1,1,1,2-Tetrachloroethane | 9.525  | 131  | 138223   | 11.132 | ug/l   | 99       |
| 61) Pentachloroethane         | 11.419 | 117  | 107597   | 11.324 | ug/l   | 99       |
| 62) Hexachloroethane          | 12.467 | 117  | 112450   | 11.487 | ug/l   | 100      |
| 63) Ethyl Benzene             | 9.560  | 91   | 718804   | 10.902 | ug/l   | 100      |
| 64) m/p-Xylenes               | 9.685  | 106  | 549718   | 21.907 | ug/l   | 100      |
| 65) o-Xylene                  | 10.091 | 106  | 269352   | 10.898 | ug/l   | 99       |
| 66) Styrene                   | 10.107 | 104  | 435524   | 11.330 | ug/l   | 99       |
| 67) Bromoform                 | 10.280 | 173  | 67481    | 11.396 | ug/l   | 97       |
| 69) Isopropylbenzene          | 10.476 | 105  | 639144   | 10.871 | ug/l   | 99       |
| 70) 1,1,2,2-Tetrachloroethane | 10.772 | 83   | 130454   | 11.212 | ug/l   | 99       |
| 71) 1,2,3-Trichloropropane    | 10.814 | 75   | 171598   | 18.110 | ug/l # | 78       |
| 72) Bromobenzene              | 10.772 | 156  | 153425   | 10.852 | ug/l   | 99       |
| 73) n-propylbenzene           | 10.898 | 120  | 189256   | 11.031 | ug/l   | 99       |
| 74) 2-Chlorotoluene           | 10.978 | 126  | 162817   | 10.972 | ug/l   | 98       |
| 75) 1,3,5-Trimethylbenzene    | 11.078 | 105  | 588256   | 11.097 | ug/l   | 99       |
| 76) 4-Chlorotoluene           | 11.087 | 126  | 166293   | 11.026 | ug/l   | 100      |
| 77) tert-Butylbenzene         | 11.412 | 119  | 575465   | 10.982 | ug/l   | 99       |
| 78) 1,2,4-Trimethylbenzene    | 11.457 | 105  | 589272   | 11.010 | ug/l   | 99       |
| 79) sec-Butylbenzene          | 11.634 | 105  | 756876   | 11.091 | ug/l   | 100      |
| 80) Nitrobenzene              | 13.203 | 77   | 13395    | 41.105 | ug/l # | 88       |
| 81) p-Isopropyltoluene        | 11.785 | 119  | 621572   | 11.002 | ug/l   | 100      |
| 82) 1,3-Dichlorobenzene       | 11.737 | 146  | 298945   | 11.021 | ug/l   | 99       |
| 83) 1,4-Dichlorobenzene       | 11.827 | 146  | 298934   | 11.053 | ug/l   | 99       |
| 84) n-Butylbenzene            | 12.200 | 91   | 576455   | 10.998 | ug/l   | 100      |
| 85) 1,2-Dichlorobenzene       | 12.203 | 146  | 280825   | 11.074 | ug/l   | 100      |
| 86) 1,2-Dibromo-3-Chloropr... | 12.988 | 75   | 21357    | 12.371 | ug/l   | 98       |
| 87) 1,2,4-Trichlorobenzene    | 13.830 | 180  | 167234   | 11.531 | ug/l   | 100      |
| 88) Hexachlorobutadiene       | 14.010 | 225  | 88639    | 10.809 | ug/l   | 99       |
| 89) Naphthalene               | 14.078 | 128  | 303052   | 11.841 | ug/l   | 99       |
| 90) 1,2,3-Trichlorobenzene    | 14.319 | 180  | 150378   | 11.541 | ug/l   | 99       |

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

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QLast Update : Fri Oct 18 02:52:28 2024  
Response via : Initial Calibration

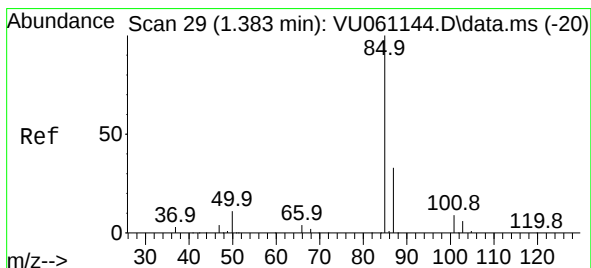
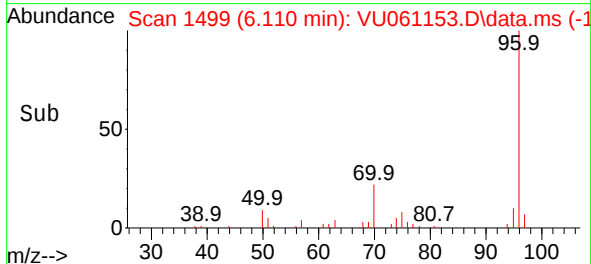
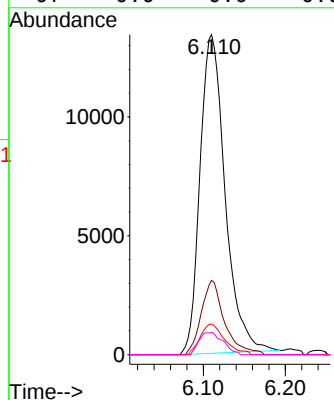
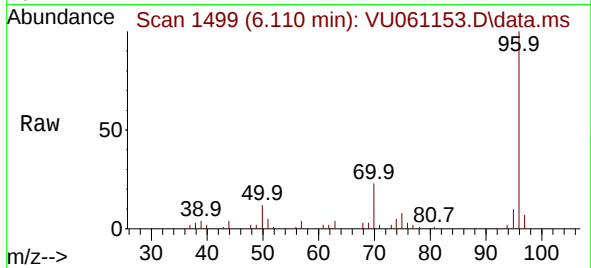




#1  
Fluorobenzene  
Concen: 1.000 ug/l  
RT: 6.110 min Scan# 1499  
Delta R.T. 0.000 min  
Lab File: VU061153.D  
Acq: 17 Oct 2024 19:56

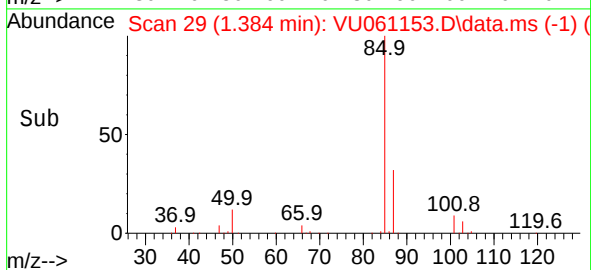
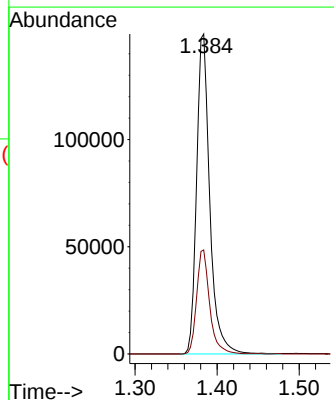
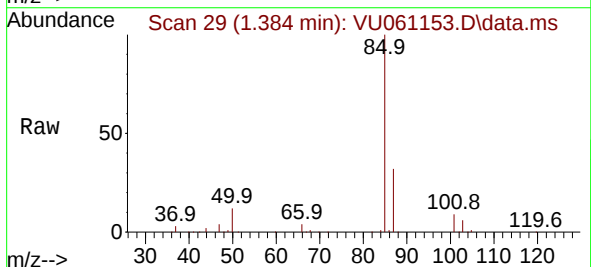
Instrument :  
MSVOA\_U  
ClientSampleId :

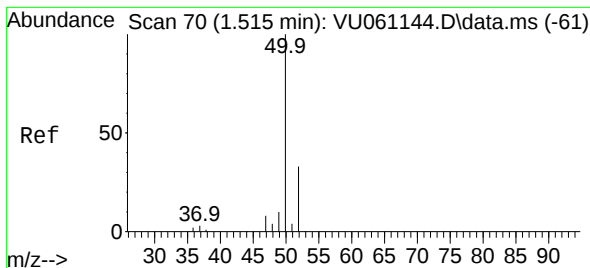
|             |             |
|-------------|-------------|
| Tgt Ion: 96 | Resp: 28491 |
| Ion Ratio   | Lower Upper |
| 96 100      |             |
| 70 21.6     | 16.1 24.1   |
| 95 0.0      | 0.0 0.0     |
| 97 0.0      | 0.0 0.0     |



#2  
Dichlorodifluoromethane  
Concen: 10.595 ug/l  
RT: 1.384 min Scan# 29  
Delta R.T. 0.000 min  
Lab File: VU061153.D  
Acq: 17 Oct 2024 19:56

|             |              |
|-------------|--------------|
| Tgt Ion: 85 | Resp: 166261 |
| Ion Ratio   | Lower Upper  |
| 85 100      |              |
| 87 32.5     | 16.3 48.9    |





#3

Chloromethane

Concen: 10.391 ug/l

RT: 1.515 min Scan# 70

Delta R.T. 0.000 min

Lab File: VU061153.D

Acq: 17 Oct 2024 19:56

Instrument :

MSVOA\_U

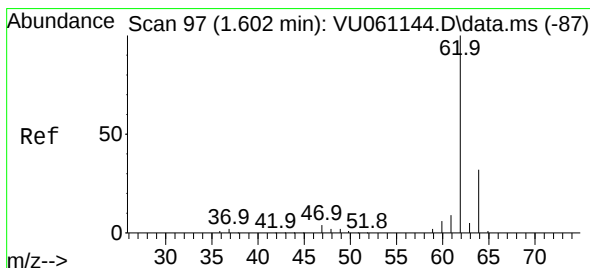
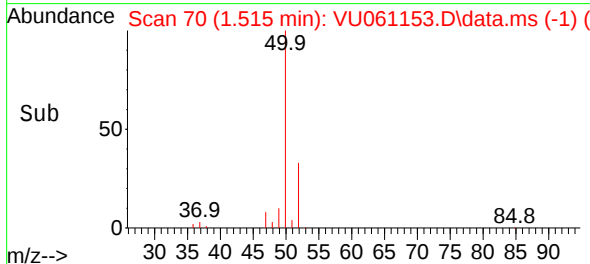
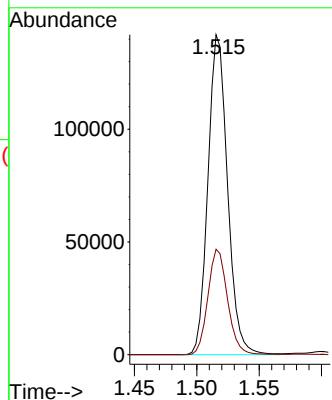
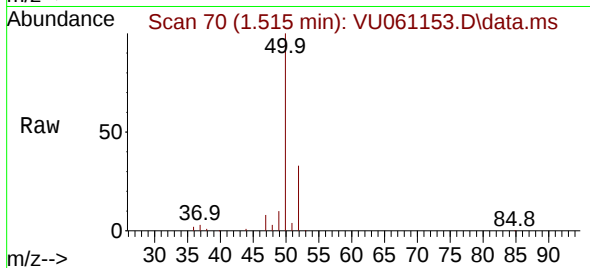
ClientSampleId :

Tgt Ion: 50 Resp: 155130

Ion Ratio Lower Upper

50 100

52 33.0 26.2 39.2



#4

Vinyl Chloride

Concen: 10.787 ug/l

RT: 1.599 min Scan# 96

Delta R.T. -0.003 min

Lab File: VU061153.D

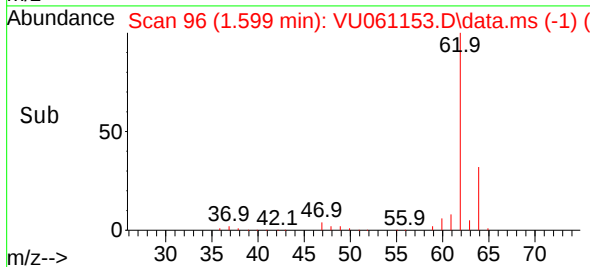
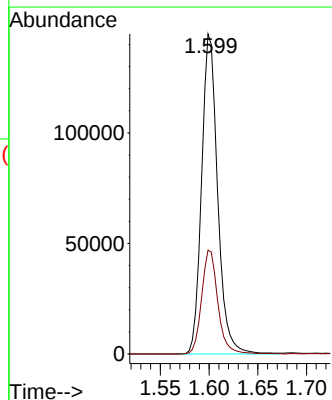
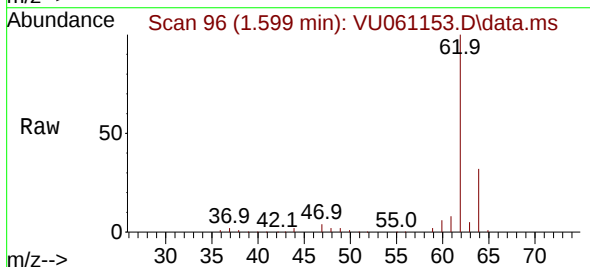
Acq: 17 Oct 2024 19:56

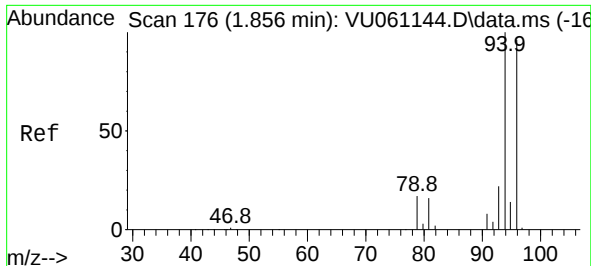
Tgt Ion: 62 Resp: 165397

Ion Ratio Lower Upper

62 100

64 32.4 25.9 38.9

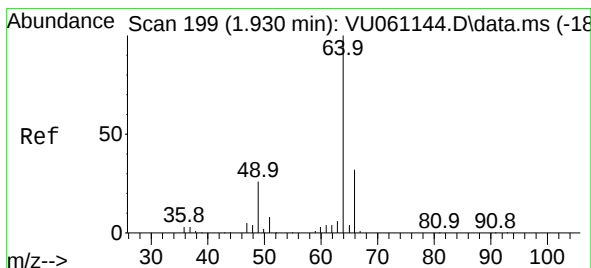
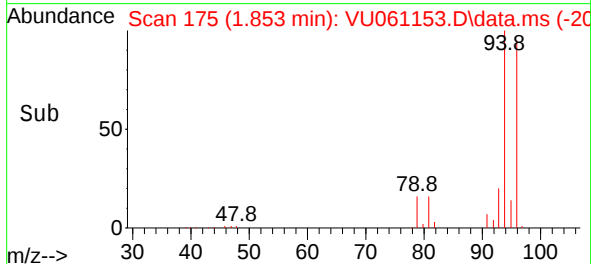
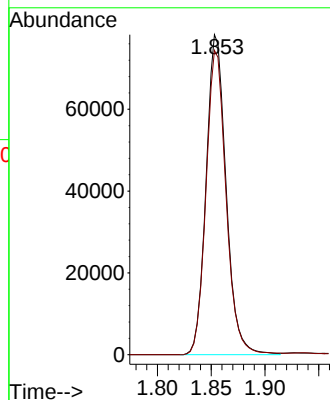
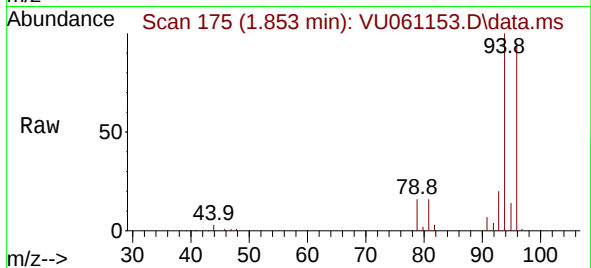




#5  
Bromomethane  
Concen: 10.535 ug/l  
RT: 1.853 min Scan# 11  
Delta R.T. -0.003 min  
Lab File: VU061153.D  
Acq: 17 Oct 2024 19:56

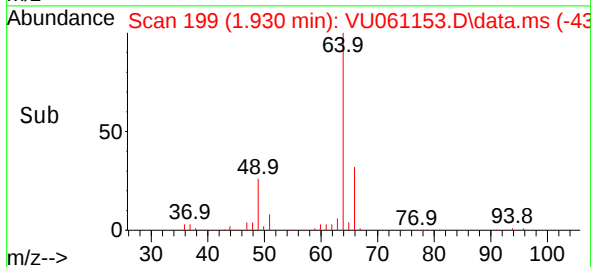
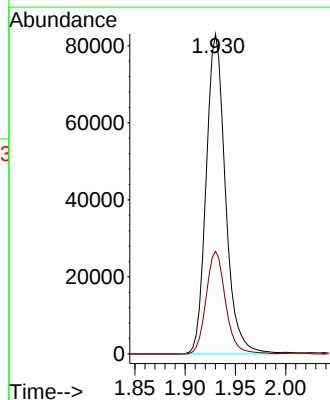
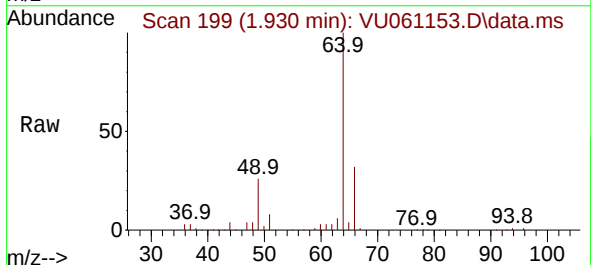
Instrument :  
MSVOA\_U  
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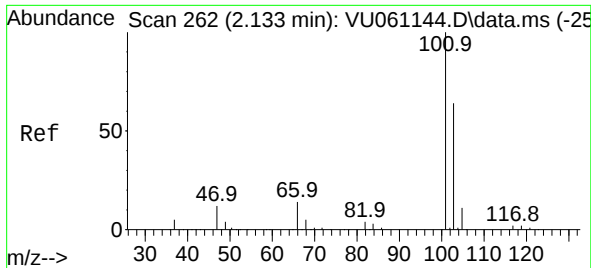
Tgt Ion: 94 Resp: 101502  
Ion Ratio Lower Upper  
94 100  
96 95.1 76.5 114.7



#6  
Chloroethane  
Concen: 10.777 ug/l  
RT: 1.930 min Scan# 199  
Delta R.T. 0.000 min  
Lab File: VU061153.D  
Acq: 17 Oct 2024 19:56

Tgt Ion: 64 Resp: 110732  
Ion Ratio Lower Upper  
64 100  
66 32.1 25.8 38.8

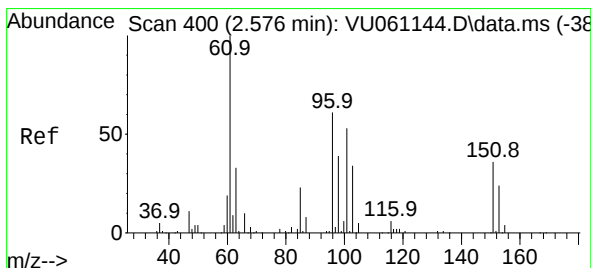
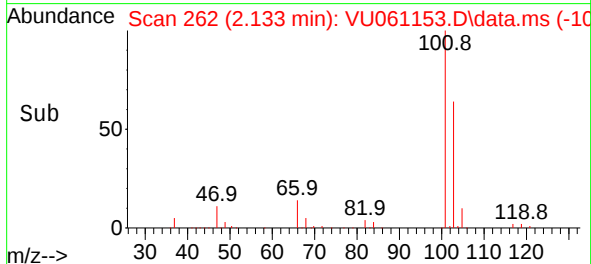
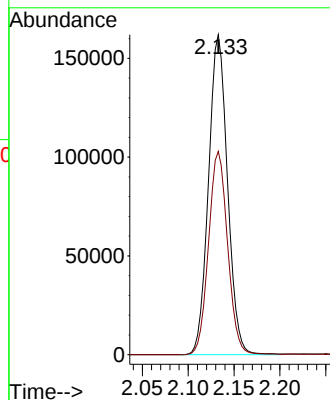
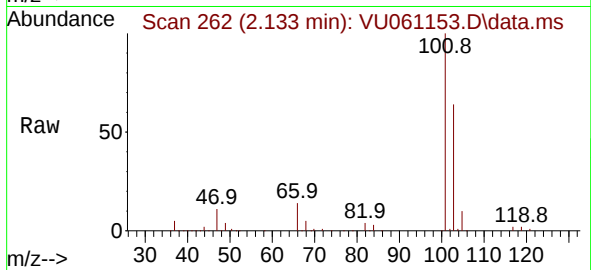




#7  
 Trichlorofluoromethane  
 Concen: 10.704 ug/l  
 RT: 2.133 min Scan# 20  
 Delta R.T. 0.000 min  
 Lab File: VU061153.D  
 Acq: 17 Oct 2024 19:56

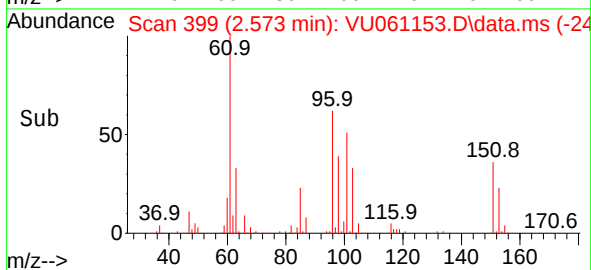
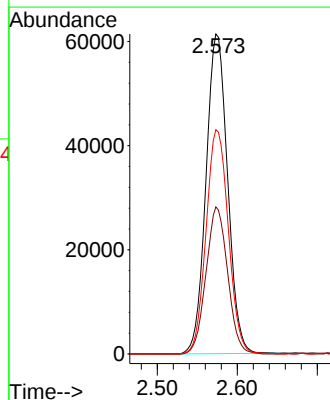
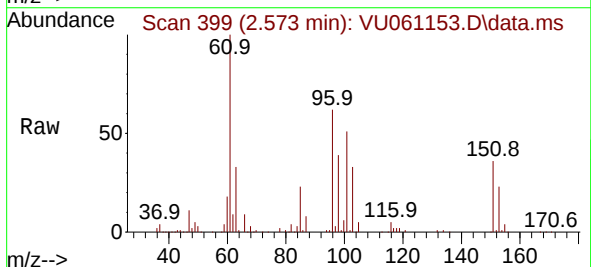
Instrument :  
 MSVOA\_U  
 ClientSampleId :

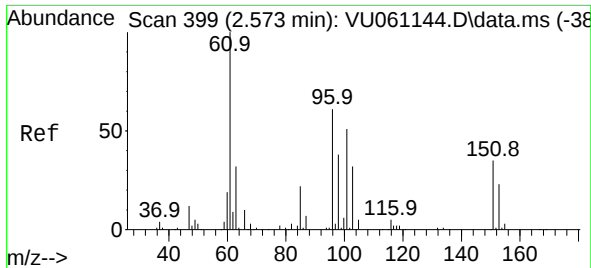
Tgt Ion:101 Resp: 233468  
 Ion Ratio Lower Upper  
 101 100  
 103 63.6 51.5 77.3



#8  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 10.618 ug/l  
 RT: 2.573 min Scan# 399  
 Delta R.T. -0.003 min  
 Lab File: VU061153.D  
 Acq: 17 Oct 2024 19:56

Tgt Ion:101 Resp: 115145  
 Ion Ratio Lower Upper  
 101 100  
 85 46.1 35.8 53.8  
 151 72.5 56.2 84.4

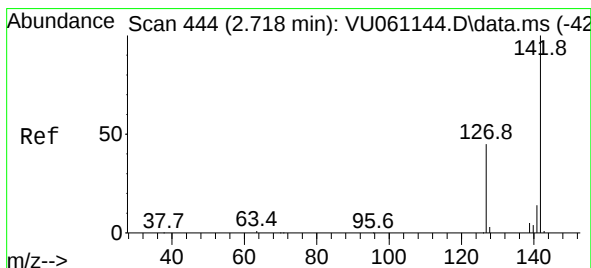
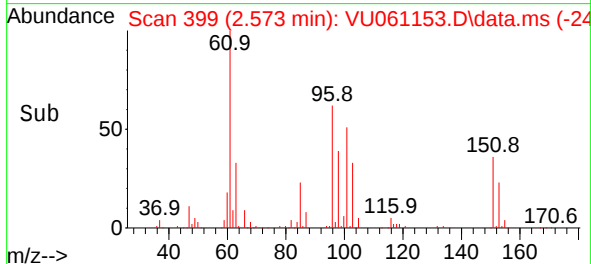
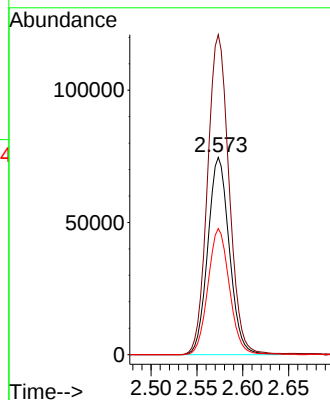
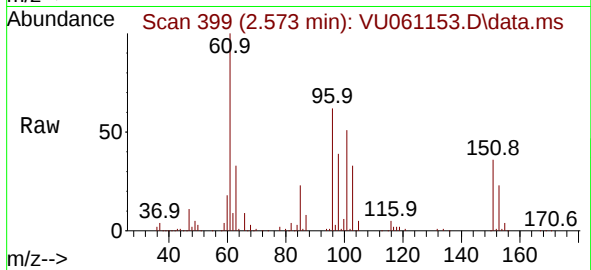




#9  
1,1-Dichloroethene  
Concen: 10.782 ug/l  
RT: 2.573 min Scan# 399  
Delta R.T. 0.000 min  
Lab File: VU061153.D  
Acq: 17 Oct 2024 19:56

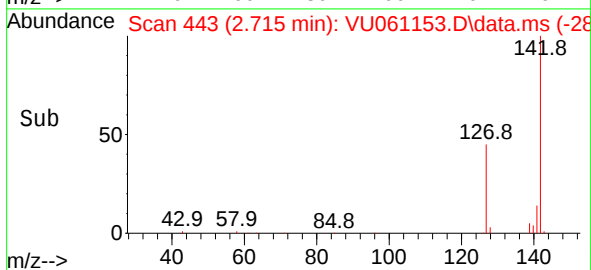
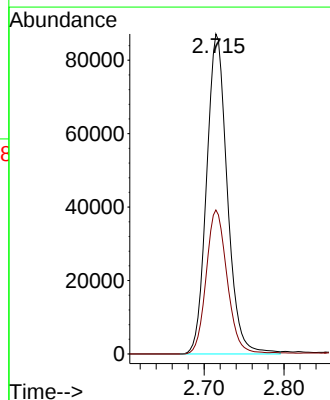
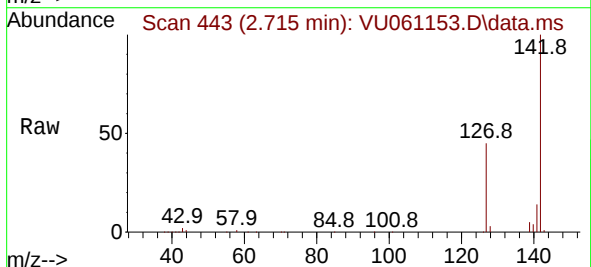
Instrument :  
MSVOA\_U  
ClientSampleId :

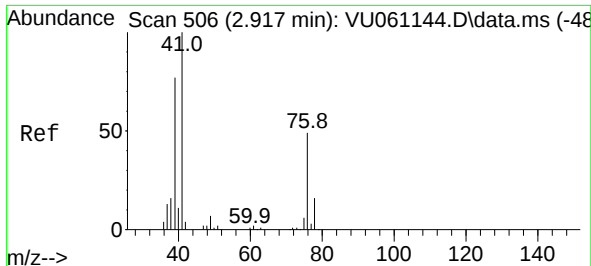
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 96    | Resp: | 121886 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 162.2 | 0.0   | 494.4  |
| 98       | 63.9  | 0.0   | 124.4  |



#10  
Iodomethane  
Concen: 9.809 ug/l  
RT: 2.715 min Scan# 443  
Delta R.T. -0.003 min  
Lab File: VU061153.D  
Acq: 17 Oct 2024 19:56

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 142   | Resp: | 156976 |
| Ion      | Ratio | Lower | Upper  |
| 142      | 100   |       |        |
| 127      | 45.5  | 36.2  | 54.4   |





#11

Allyl Chloride

Concen: 10.516 ug/l

RT: 2.917 min Scan# 506

Delta R.T. 0.000 min

Lab File: VU061153.D

Acq: 17 Oct 2024 19:56

Instrument :

MSVOA\_U

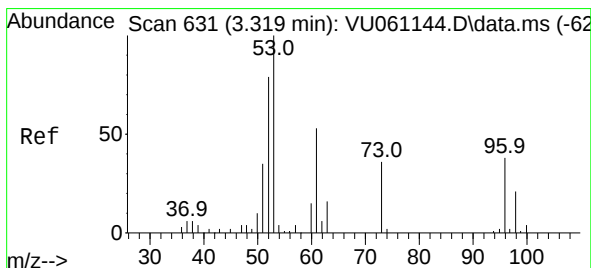
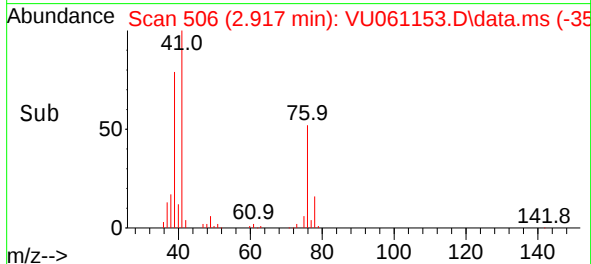
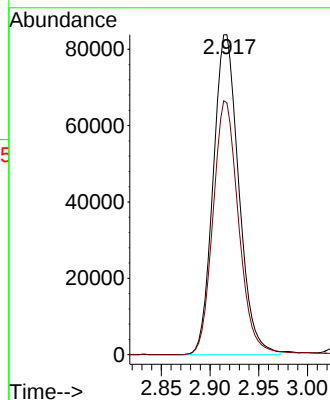
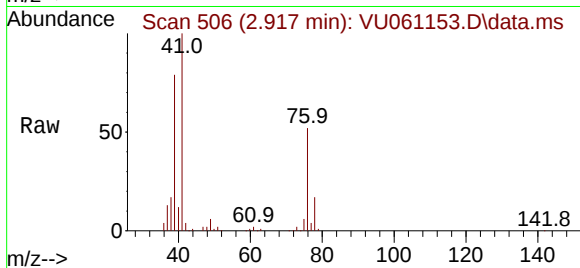
ClientSampleId :

Tgt Ion: 41 Resp: 153117

Ion Ratio Lower Upper

41 100

39 79.5 62.4 93.6



#12

Acrylonitrile

Concen: 21.731 ug/l

RT: 3.319 min Scan# 631

Delta R.T. 0.000 min

Lab File: VU061153.D

Acq: 17 Oct 2024 19:56

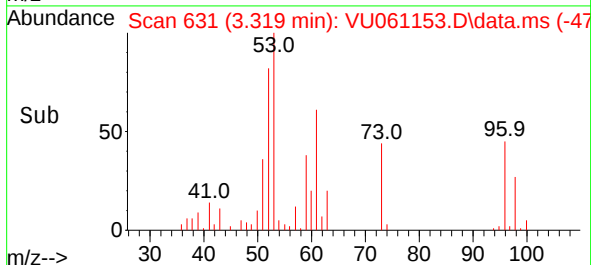
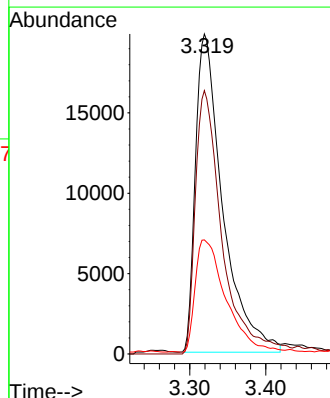
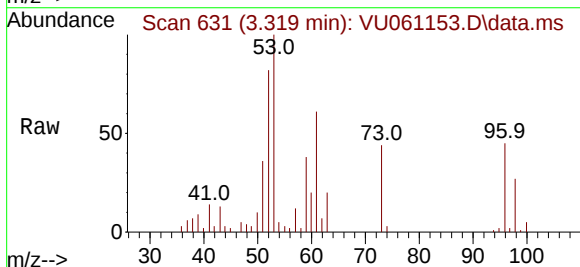
Tgt Ion: 53 Resp: 49406

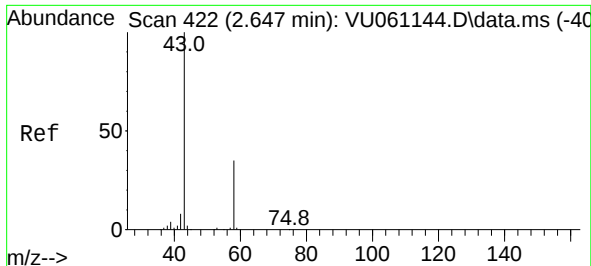
Ion Ratio Lower Upper

53 100

52 81.0 62.6 94.0

51 39.6 30.7 46.1





#13

Acetone

Concen: 36.961 ug/l

RT: 2.647 min Scan# 41

Delta R.T. 0.000 min

Lab File: VU061153.D

Acq: 17 Oct 2024 19:56

Instrument :

MSVOA\_U

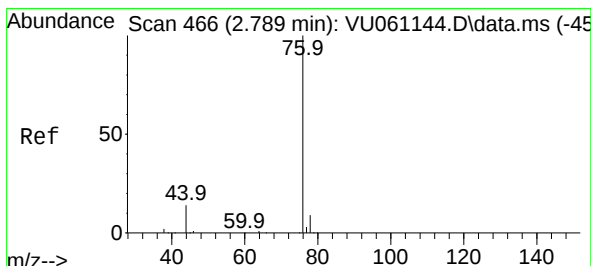
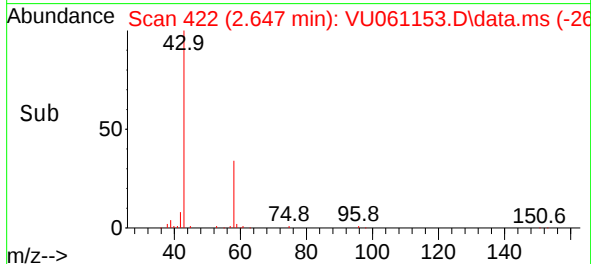
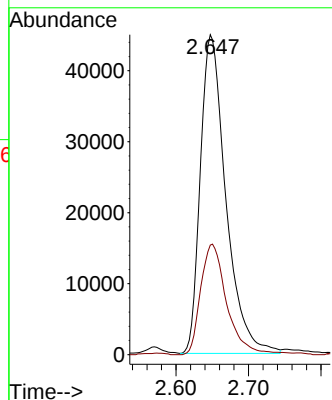
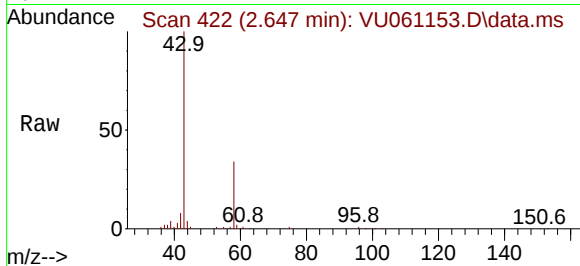
ClientSampleId :

Tgt Ion: 43 Resp: 109600

Ion Ratio Lower Upper

43 100

58 34.4 27.9 41.9



#14

Carbon Disulfide

Concen: 10.511 ug/l

RT: 2.785 min Scan# 465

Delta R.T. -0.003 min

Lab File: VU061153.D

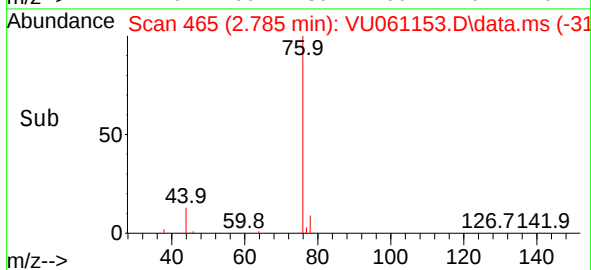
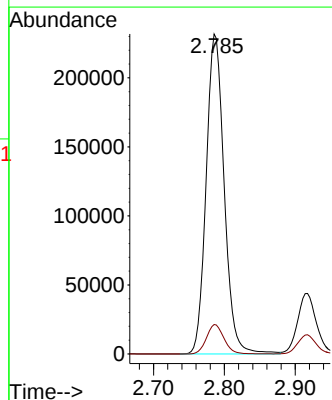
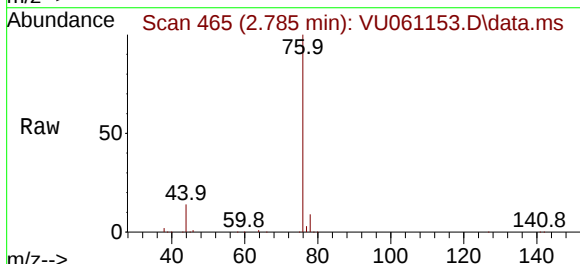
Acq: 17 Oct 2024 19:56

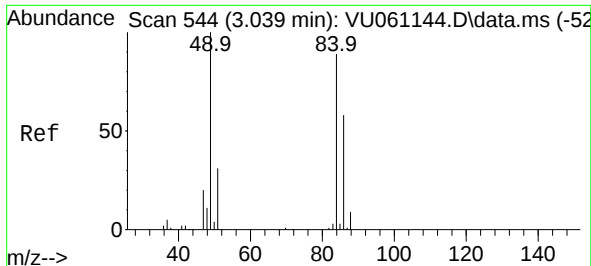
Tgt Ion: 76 Resp: 409398

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0





#15

Methylene Chloride

Concen: 9.646 ug/l

RT: 3.036 min Scan# 544

Delta R.T. -0.003 min

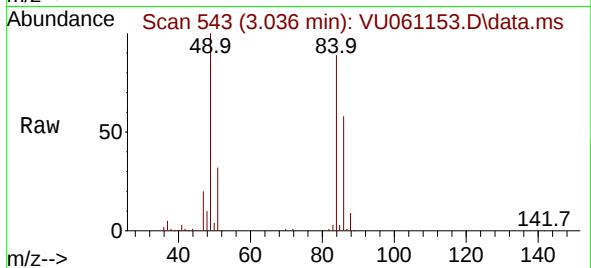
Lab File: VU061153.D

Acq: 17 Oct 2024 19:56

Instrument :

MSVOA\_U

ClientSampleId :



Tgt Ion: 84 Resp: 141111

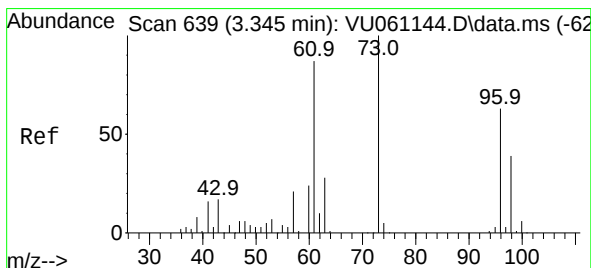
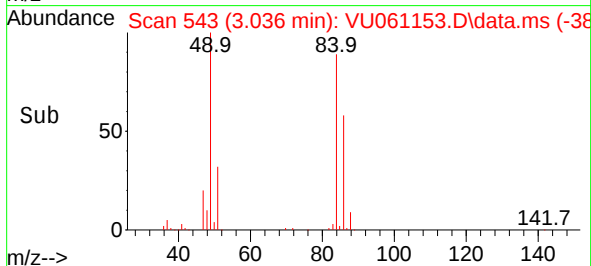
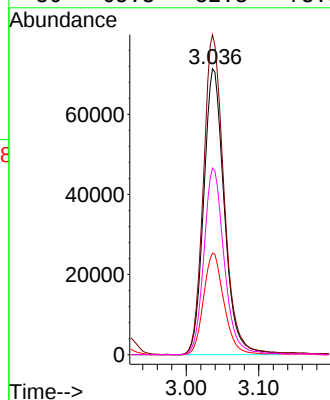
Ion Ratio Lower Upper

84 100

49 111.9 90.4 135.6

51 35.5 0.0 70.6

86 65.3 52.3 78.5



#16

trans-1,2-Dichloroethene

Concen: 10.688 ug/l

RT: 3.345 min Scan# 639

Delta R.T. 0.000 min

Lab File: VU061153.D

Acq: 17 Oct 2024 19:56

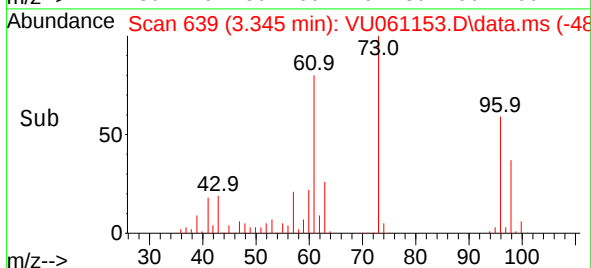
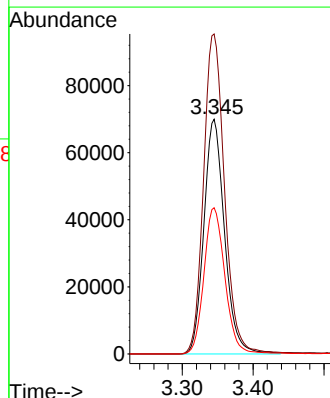
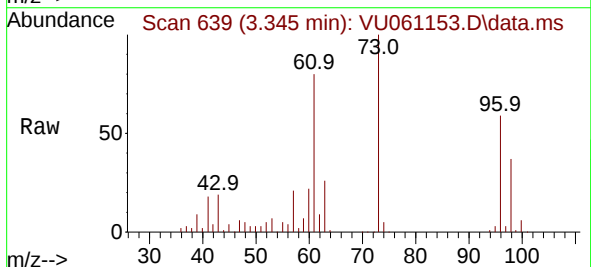
Tgt Ion: 96 Resp: 141686

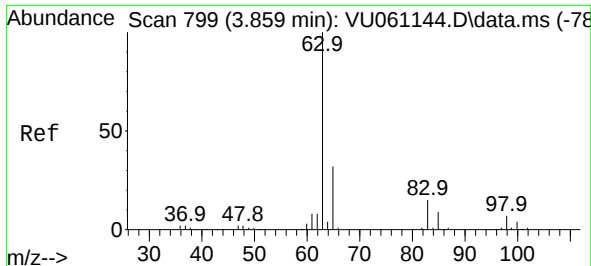
Ion Ratio Lower Upper

96 100

61 136.3 110.6 166.0

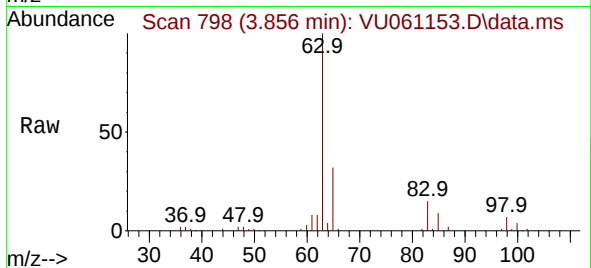
98 62.3 49.8 74.8



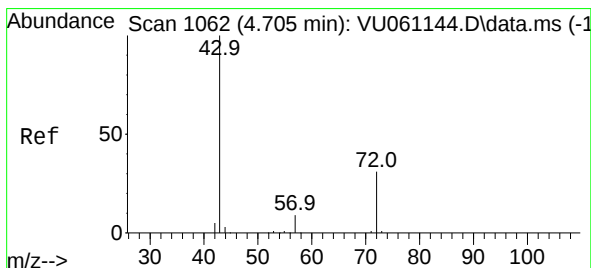
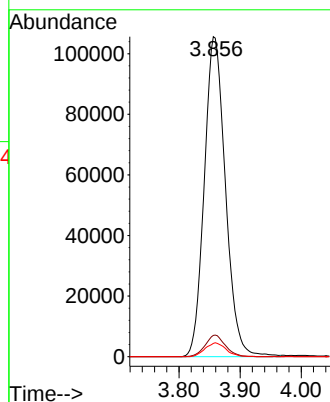
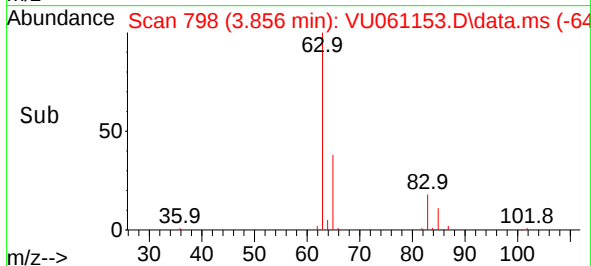


#17  
1,1-Dichloroethane  
Concen: 10.838 ug/l  
RT: 3.856 min Scan# 799  
Delta R.T. -0.003 min  
Lab File: VU061153.D  
Acq: 17 Oct 2024 19:56

Instrument :  
MSVOA\_U  
ClientSampleId :

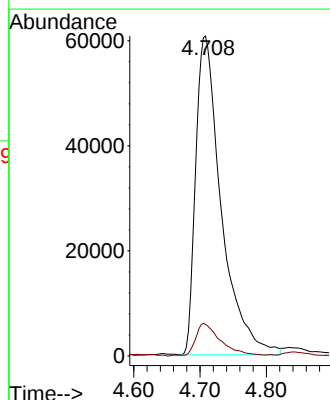
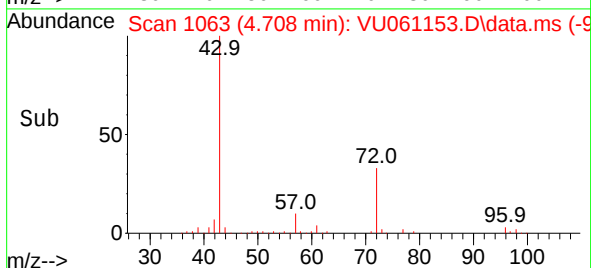
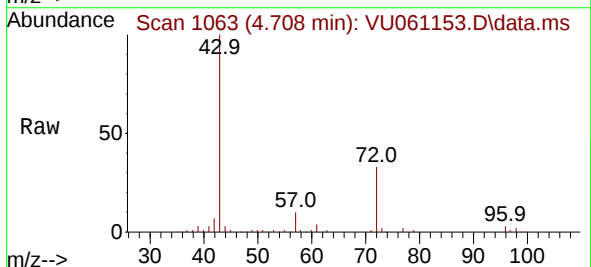


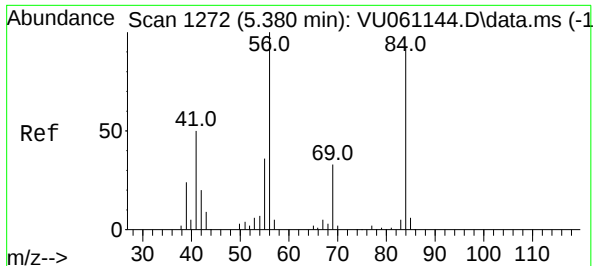
Tgt Ion: 63 Resp: 254757  
Ion Ratio Lower Upper  
63 100  
98 6.6 3.3 9.8  
100 4.2 2.1 6.5



#18  
2-Butanone  
Concen: 44.920 ug/l  
RT: 4.708 min Scan# 1063  
Delta R.T. 0.003 min  
Lab File: VU061153.D  
Acq: 17 Oct 2024 19:56

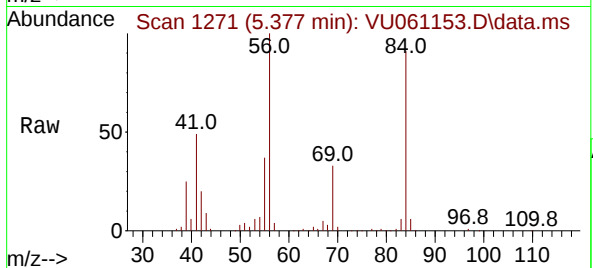
Tgt Ion: 43 Resp: 163089  
Ion Ratio Lower Upper  
43 100  
57 9.7 0.0 19.0



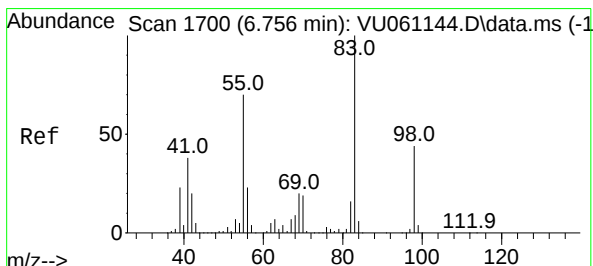
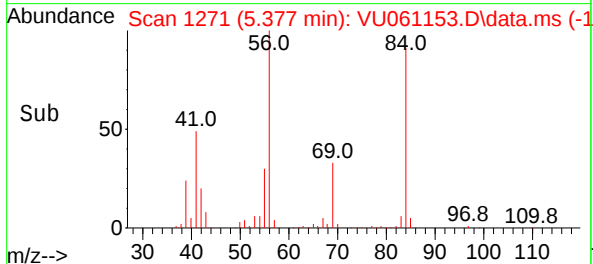
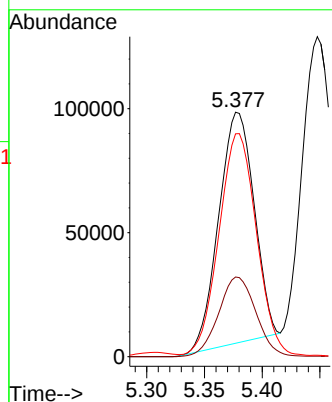


#19  
Cyclohexane  
Concen: 9.454 ug/l  
RT: 5.377 min Scan# 1699  
Delta R.T. -0.003 min  
Lab File: VU061153.D  
Acq: 17 Oct 2024 19:56

Instrument :  
MSVOA\_U  
ClientSampleId :

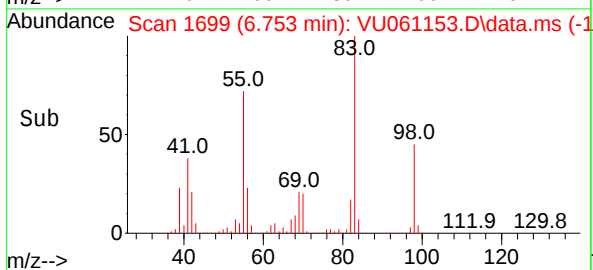
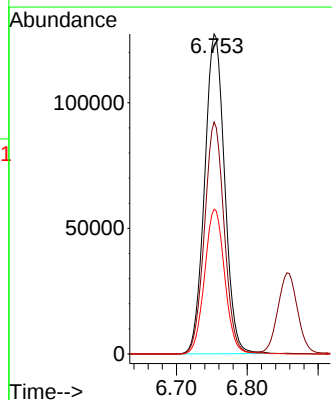
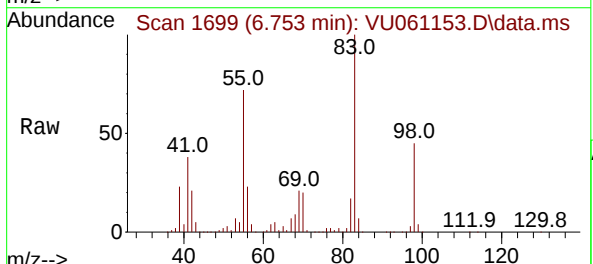


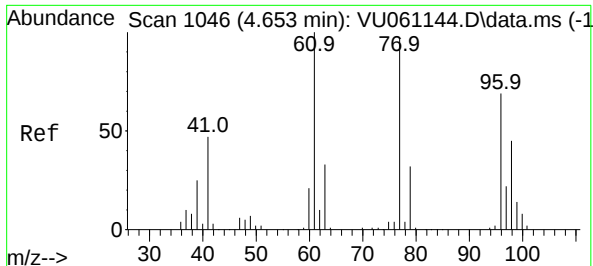
Tgt Ion: 56 Resp: 199057  
Ion Ratio Lower Upper  
56 100  
69 36.1 26.2 39.4  
84 101.2 72.7 109.1



#20  
Methylcyclohexane  
Concen: 10.641 ug/l  
RT: 6.753 min Scan# 1699  
Delta R.T. -0.003 min  
Lab File: VU061153.D  
Acq: 17 Oct 2024 19:56

Tgt Ion: 83 Resp: 249800  
Ion Ratio Lower Upper  
83 100  
55 70.6 55.5 83.3  
98 45.4 35.8 53.6

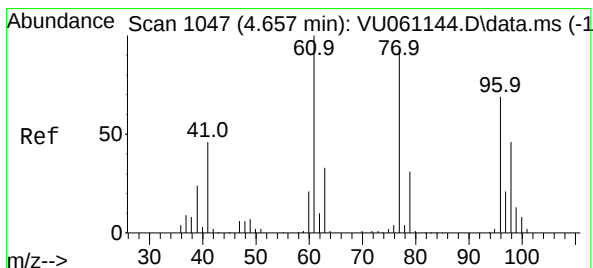
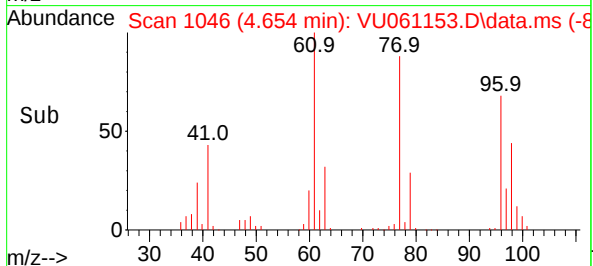
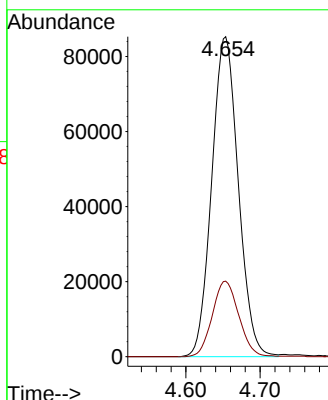
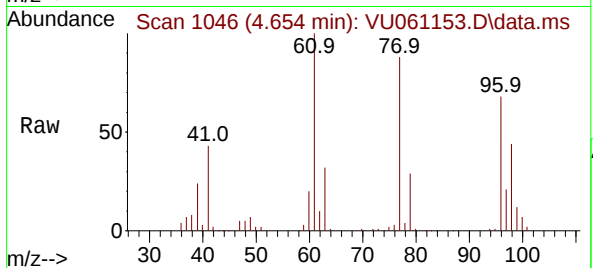




#21  
2,2-Dichloropropane  
Concen: 9.775 ug/l  
RT: 4.654 min Scan# 1046  
Delta R.T. 0.000 min  
Lab File: VU061153.D  
Acq: 17 Oct 2024 19:56

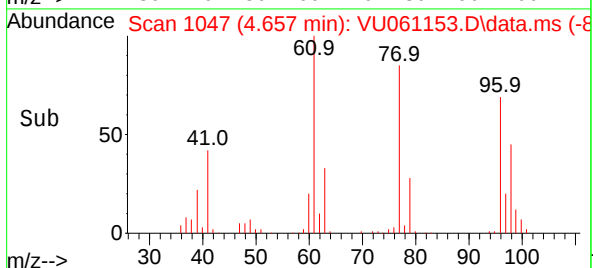
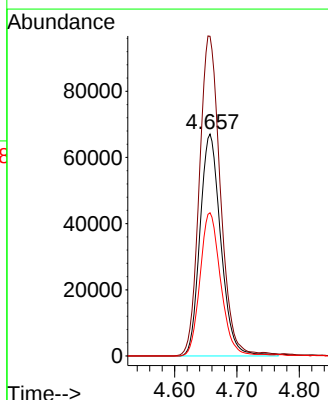
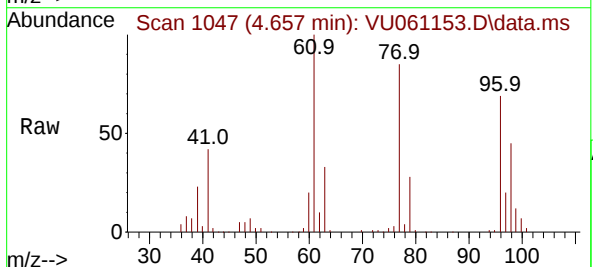
Instrument :  
MSVOA\_U  
ClientSampleId :

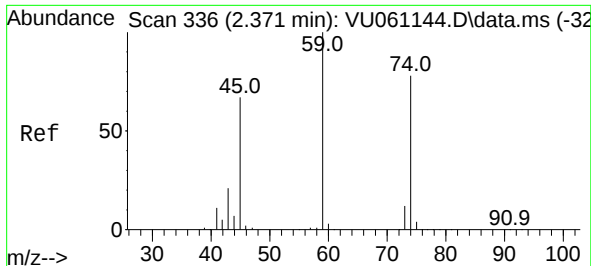
Tgt Ion: 77 Resp: 211963  
Ion Ratio Lower Upper  
77 100  
97 23.6 18.3 27.5



#22  
cis-1,2-Dichloroethene  
Concen: 10.793 ug/l  
RT: 4.657 min Scan# 1047  
Delta R.T. 0.000 min  
Lab File: VU061153.D  
Acq: 17 Oct 2024 19:56

Tgt Ion: 96 Resp: 155882  
Ion Ratio Lower Upper  
96 100  
61 144.9 0.0 364.8  
98 63.7 32.1 96.3

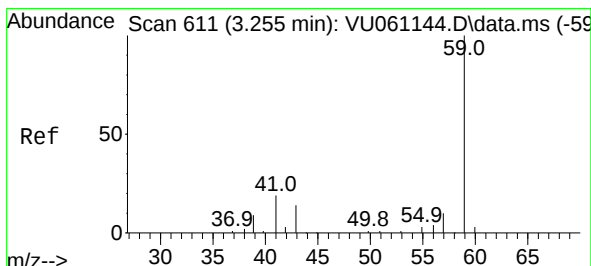
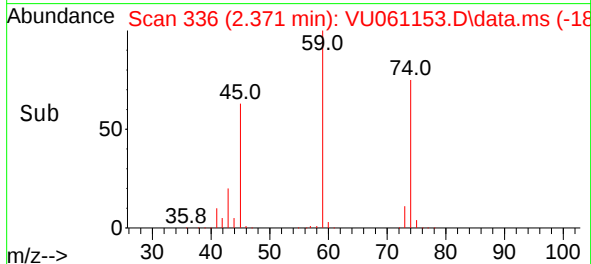
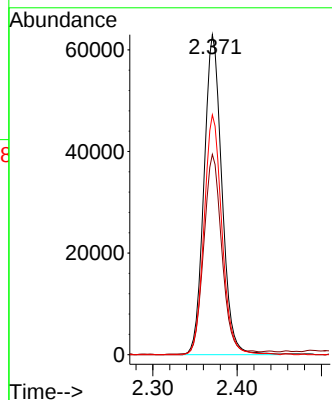
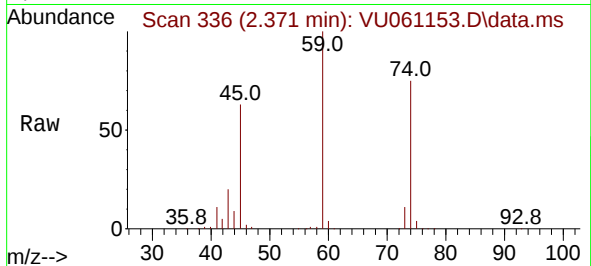




#23  
Diethyl Ether  
Concen: 10.602 ug/l  
RT: 2.371 min Scan# 336  
Delta R.T. 0.000 min  
Lab File: VU061153.D  
Acq: 17 Oct 2024 19:56

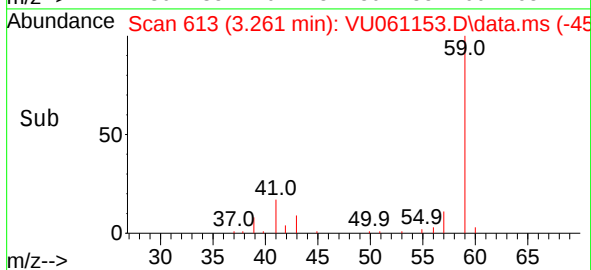
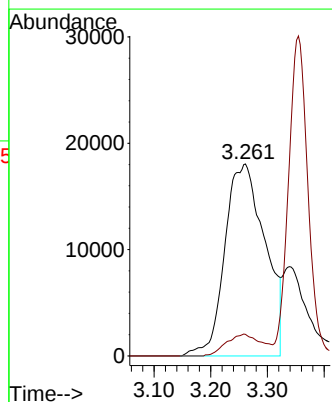
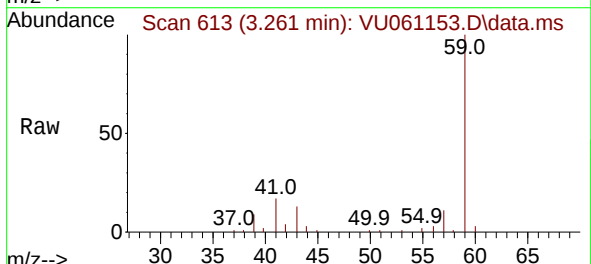
Instrument :  
MSVOA\_U  
ClientSampleId :

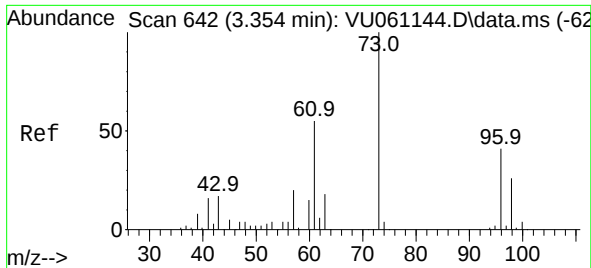
Tgt Ion: 59 Resp: 93126  
Ion Ratio Lower Upper  
59 100  
45 63.4 52.0 78.0  
74 74.9 62.2 93.2



#24  
tert-Butyl Alcohol  
Concen: 96.950 ug/l  
RT: 3.261 min Scan# 613  
Delta R.T. 0.007 min  
Lab File: VU061153.D  
Acq: 17 Oct 2024 19:56

Tgt Ion: 59 Resp: 88856  
Ion Ratio Lower Upper  
59 100  
57 10.1 3.2 4.8#

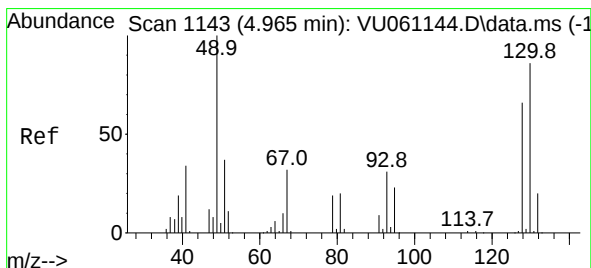
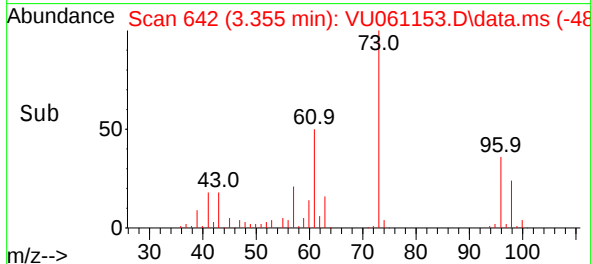
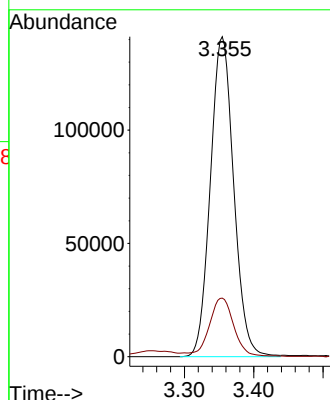
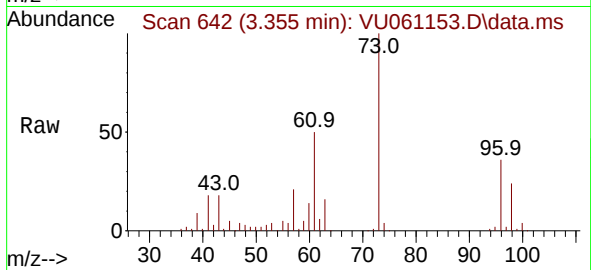




#25  
Methyl tert-Butyl Ether  
Concen: 10.910 ug/l  
RT: 3.355 min Scan# 642  
Delta R.T. 0.000 min  
Lab File: VU061153.D  
Acq: 17 Oct 2024 19:56

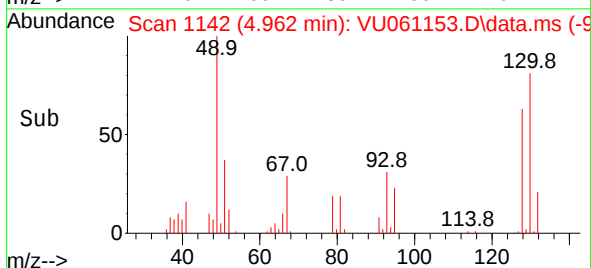
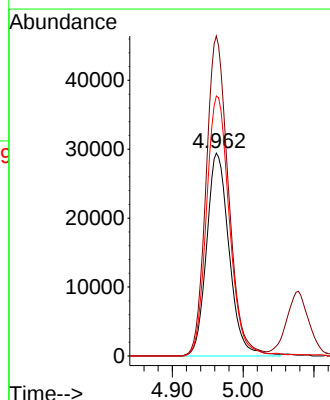
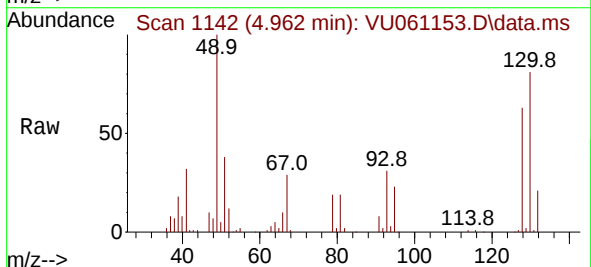
Instrument :  
MSVOA\_U  
ClientSampleId :

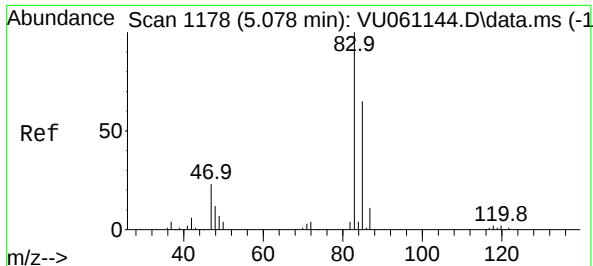
Tgt Ion: 73 Resp: 330396  
Ion Ratio Lower Upper  
73 100  
43 18.8 14.7 22.1



#26  
Bromochloromethane  
Concen: 10.757 ug/l  
RT: 4.962 min Scan# 1142  
Delta R.T. -0.003 min  
Lab File: VU061153.D  
Acq: 17 Oct 2024 19:56

Tgt Ion: 128 Resp: 64964  
Ion Ratio Lower Upper  
128 100  
49 156.0 0.0 308.8  
130 130.1 105.3 157.9





#27

Chloroform

Concen: 10.771 ug/l

RT: 5.075 min Scan# 1178

Delta R.T. -0.003 min

Lab File: VU061153.D

Acq: 17 Oct 2024 19:56

Instrument :

MSVOA\_U

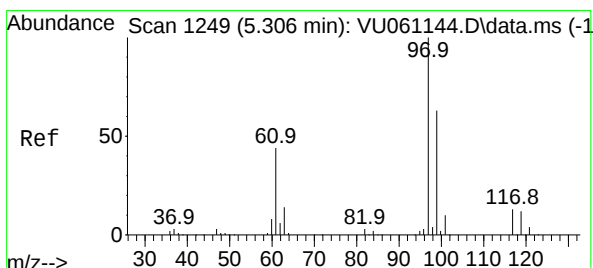
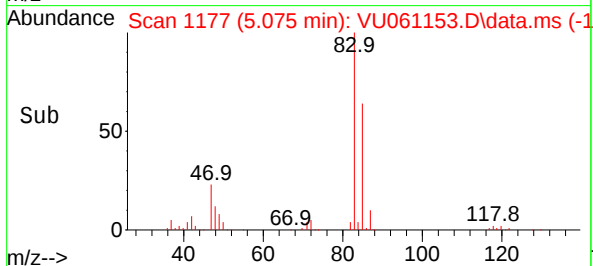
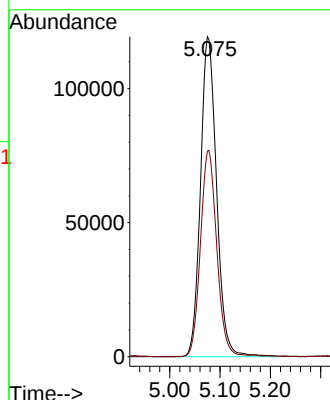
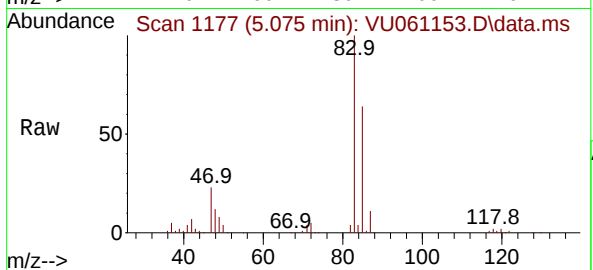
ClientSampleId :

Tgt Ion: 83 Resp: 265500

Ion Ratio Lower Upper

83 100

85 64.1 0.0 129.6



#28

1,1,1-Trichloroethane

Concen: 10.711 ug/l

RT: 5.306 min Scan# 1249

Delta R.T. 0.000 min

Lab File: VU061153.D

Acq: 17 Oct 2024 19:56

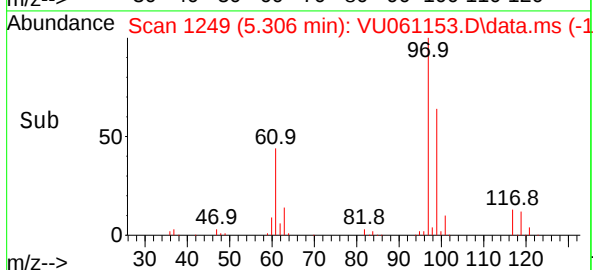
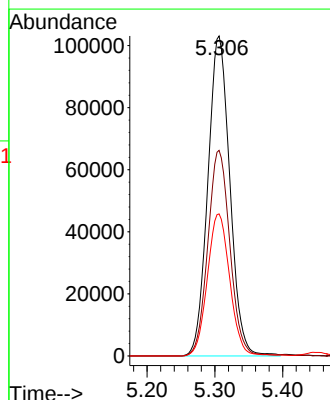
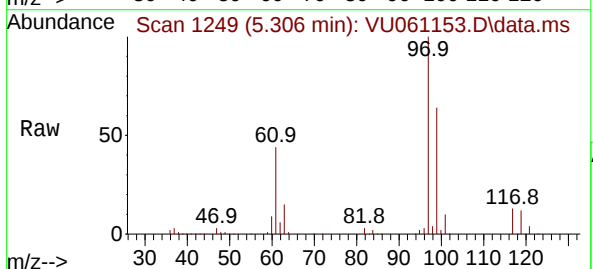
Tgt Ion: 97 Resp: 232769

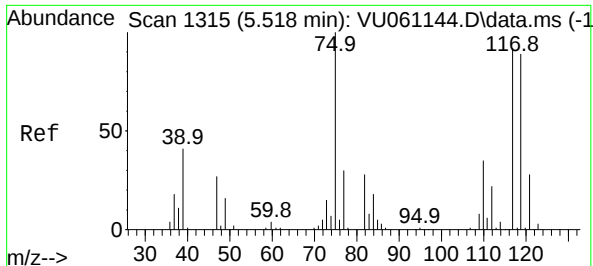
Ion Ratio Lower Upper

97 100

99 64.3 31.9 95.5

61 45.3 22.1 66.1

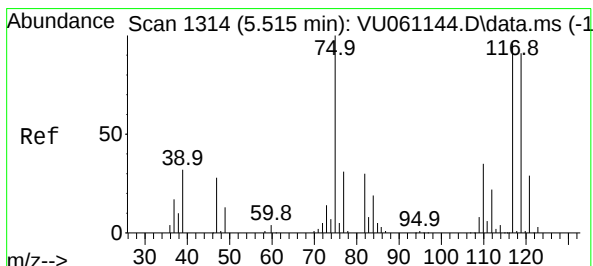
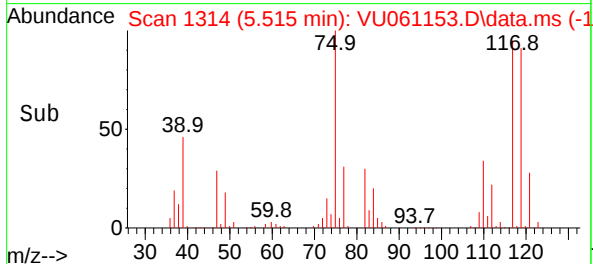
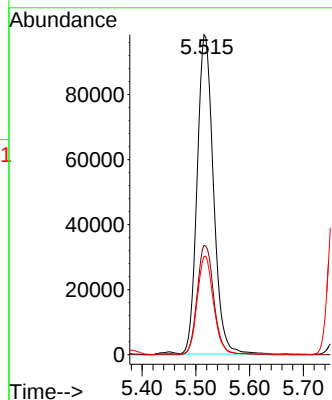
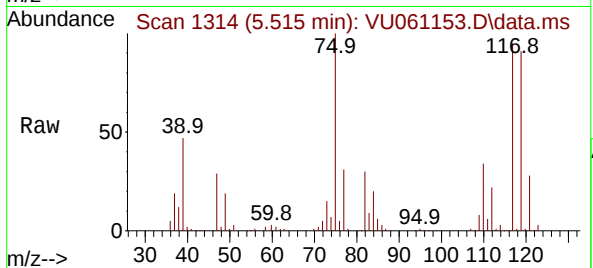




#29  
1,1-Dichloropropene  
Concen: 10.763 ug/l  
RT: 5.515 min Scan# 1315  
Delta R.T. -0.003 min  
Lab File: VU061153.D  
Acq: 17 Oct 2024 19:56

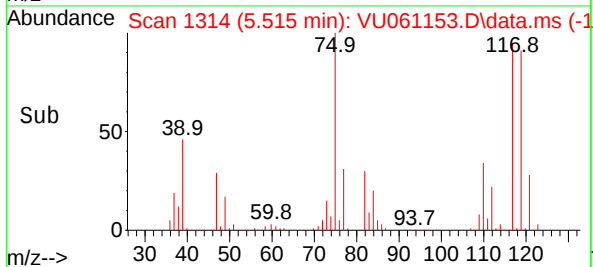
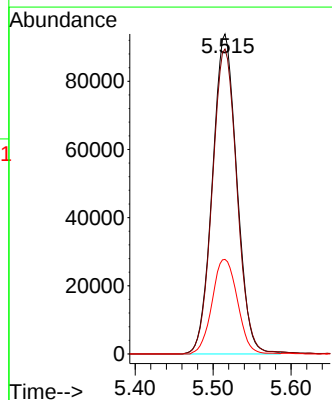
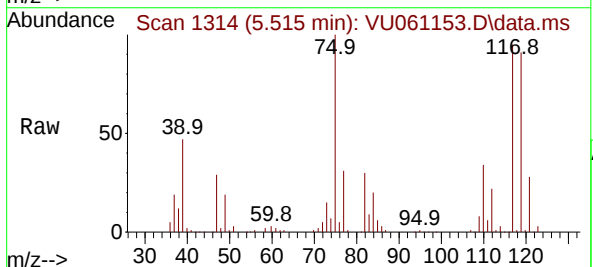
Instrument :  
MSVOA\_U  
ClientSampleId :

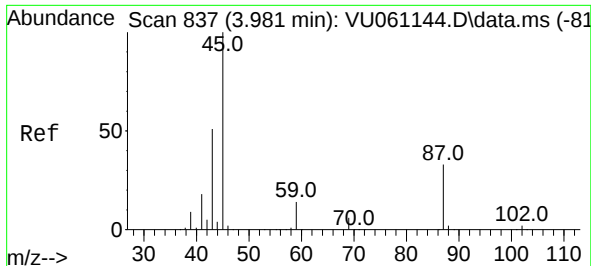
Tgt Ion: 75 Resp: 206767  
Ion Ratio Lower Upper  
75 100  
110 34.8 17.8 53.3  
77 30.5 24.6 37.0



#30  
Carbon Tetrachloride  
Concen: 10.844 ug/l  
RT: 5.515 min Scan# 1314  
Delta R.T. 0.000 min  
Lab File: VU061153.D  
Acq: 17 Oct 2024 19:56

Tgt Ion:117 Resp: 204478  
Ion Ratio Lower Upper  
117 100  
119 95.3 76.4 114.6  
121 29.6 24.1 36.1

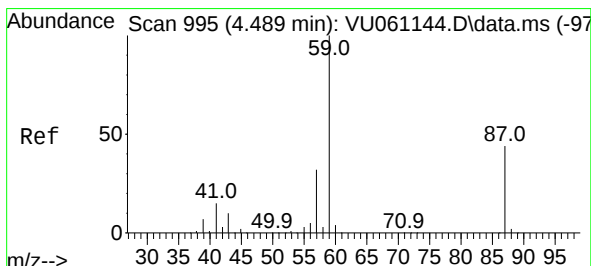
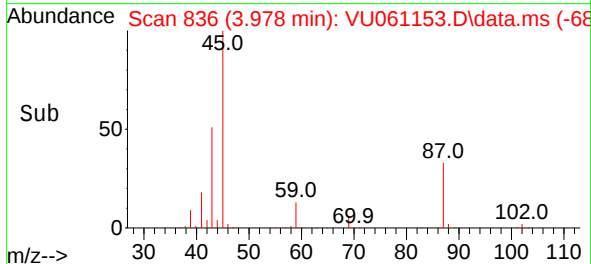
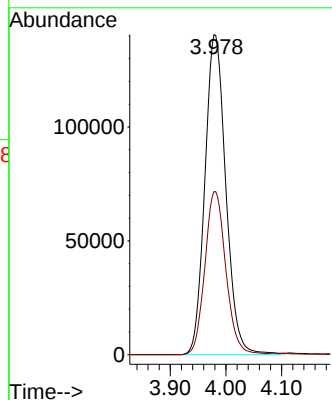
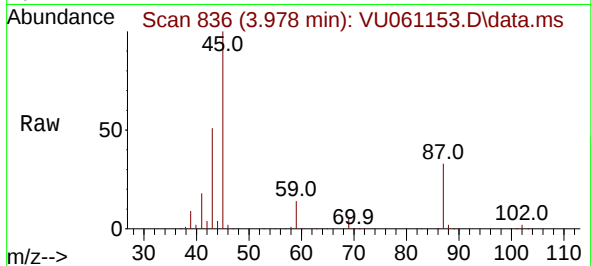




#31  
Isopropyl Ether  
Concen: 10.946 ug/l  
RT: 3.978 min Scan# 837  
Delta R.T. -0.003 min  
Lab File: VU061153.D  
Acq: 17 Oct 2024 19:56

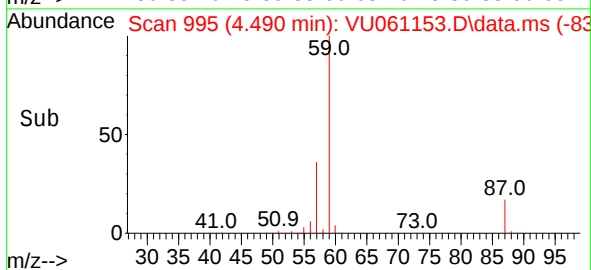
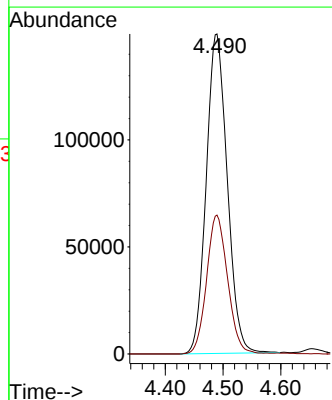
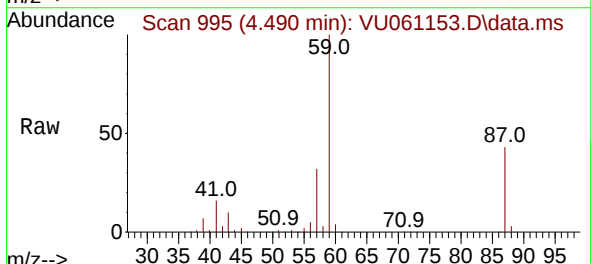
Instrument :  
MSVOA\_U  
ClientSampleId :

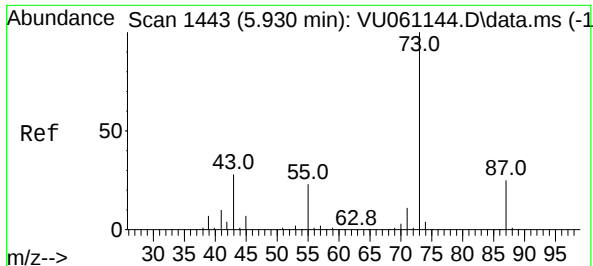
Tgt Ion: 45 Resp: 367096  
Ion Ratio Lower Upper  
45 100  
43 51.1 25.7 77.0



#32  
Ethyl-t-butyl ether  
Concen: 10.944 ug/l  
RT: 4.490 min Scan# 995  
Delta R.T. 0.000 min  
Lab File: VU061153.D  
Acq: 17 Oct 2024 19:56

Tgt Ion: 59 Resp: 377354  
Ion Ratio Lower Upper  
59 100  
87 43.0 34.7 52.1

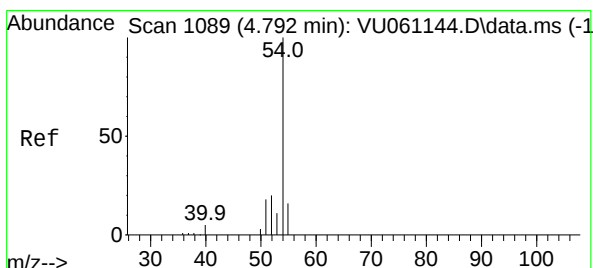
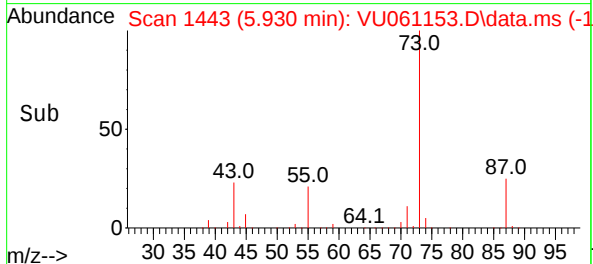
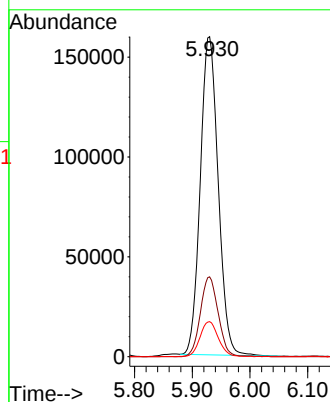
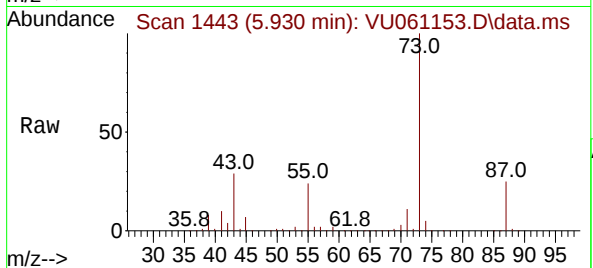




#33  
Tert-Amyl methyl ether  
Concen: 11.052 ug/l  
RT: 5.930 min Scan# 1443  
Delta R.T. 0.000 min  
Lab File: VU061153.D  
Acq: 17 Oct 2024 19:56

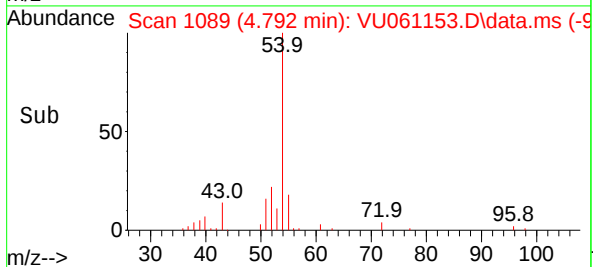
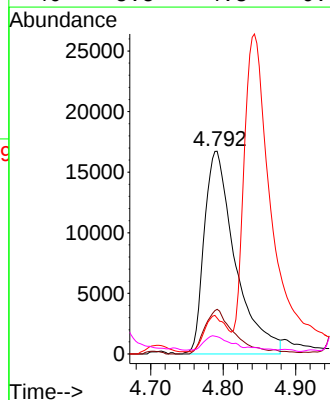
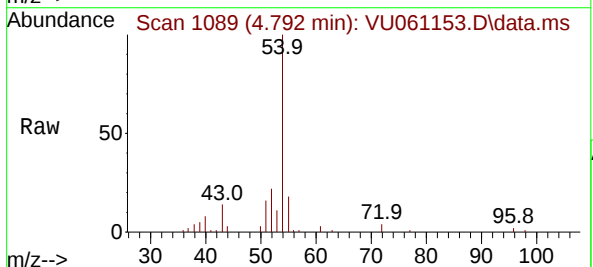
Instrument :  
MSVOA\_U  
ClientSampleId :

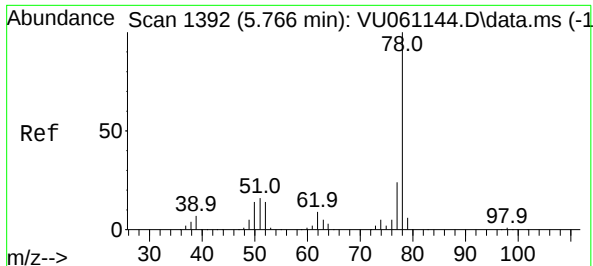
|             |              |
|-------------|--------------|
| Tgt Ion: 73 | Resp: 342991 |
| Ion Ratio   | Lower Upper  |
| 73 100      |              |
| 87 25.0     | 19.8 29.8    |
| 71 11.2     | 8.6 12.8     |



#34  
Propionitrile  
Concen: 57.307 ug/l  
RT: 4.792 min Scan# 1089  
Delta R.T. 0.000 min  
Lab File: VU061153.D  
Acq: 17 Oct 2024 19:56

|     |         |       |       |
|-----|---------|-------|-------|
| Tgt | Ion: 54 | Resp: | 49638 |
| Ion | Ratio   | Lower | Upper |
| 54  | 100     |       |       |
| 52  | 20.6    | 15.3  | 22.9  |
| 55  | 12.7    | 9.7   | 14.5  |
| 40  | 5.5     | 4.3   | 6.5   |





#35

Benzene

Concen: 10.944 ug/l

RT: 5.763 min Scan# 1392

Delta R.T. -0.003 min

Lab File: VU061153.D

Acq: 17 Oct 2024 19:56

Instrument :

MSVOA\_U

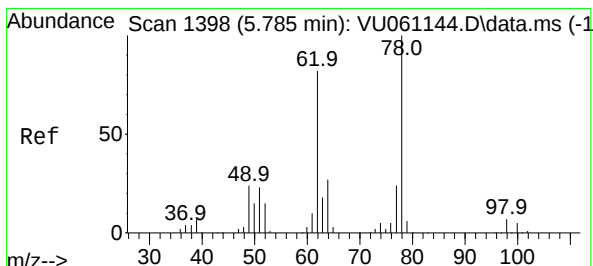
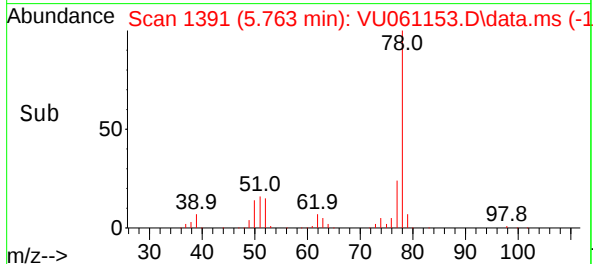
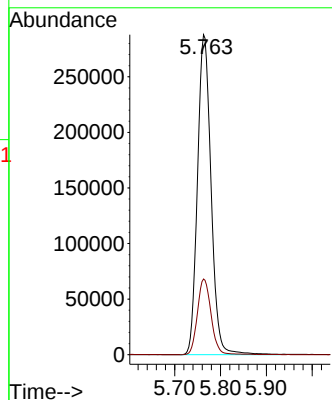
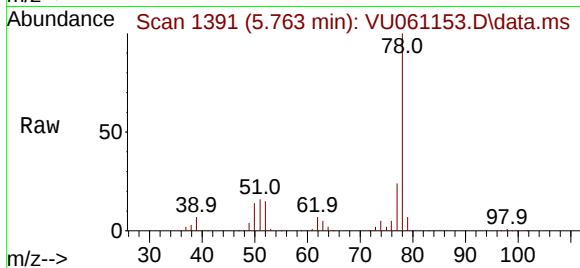
ClientSampleId :

Tgt Ion: 78 Resp: 591856

Ion Ratio Lower Upper

78 100

77 23.6 19.4 29.0



#36

1,2-Dichloroethane

Concen: 10.999 ug/l

RT: 5.782 min Scan# 1397

Delta R.T. -0.003 min

Lab File: VU061153.D

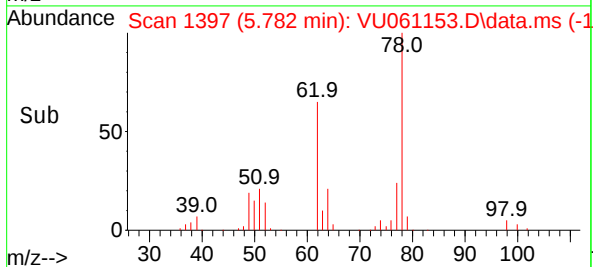
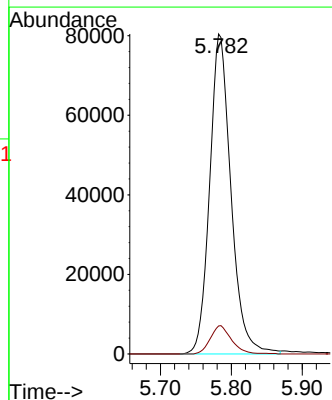
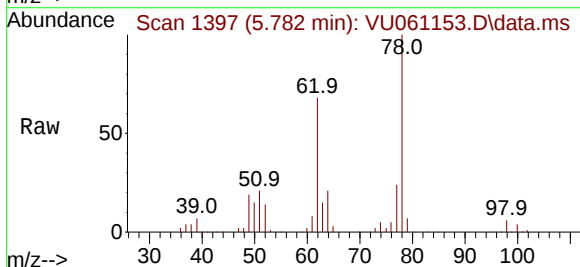
Acq: 17 Oct 2024 19:56

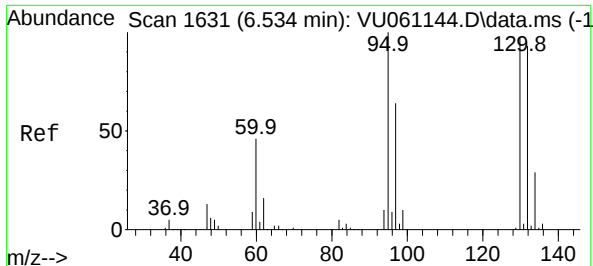
Tgt Ion: 62 Resp: 167951

Ion Ratio Lower Upper

62 100

98 8.8 7.0 10.4





#37

Trichloroethene

Concen: 10.712 ug/l

RT: 6.534 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU061153.D

Acq: 17 Oct 2024 19:56

Instrument :

MSVOA\_U

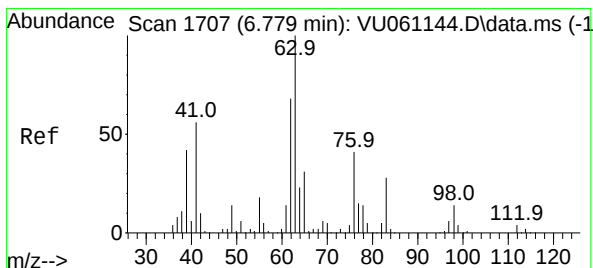
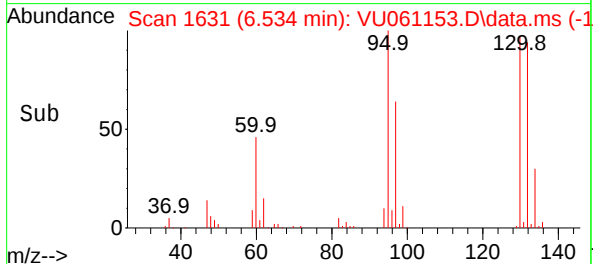
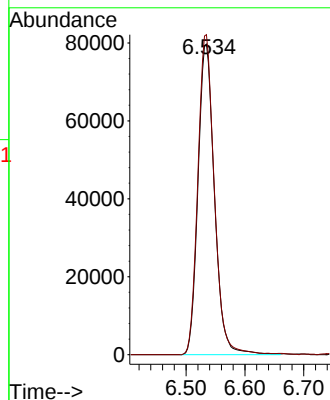
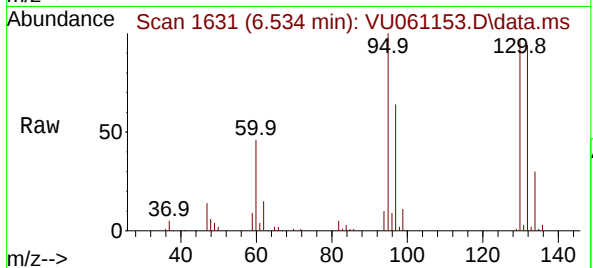
ClientSampleId :

Tgt Ion:130 Resp: 154628

Ion Ratio Lower Upper

130 100

95 103.1 82.6 123.8



#38

1,2-Dichloropropane

Concen: 10.931 ug/l

RT: 6.779 min Scan# 1707

Delta R.T. 0.000 min

Lab File: VU061153.D

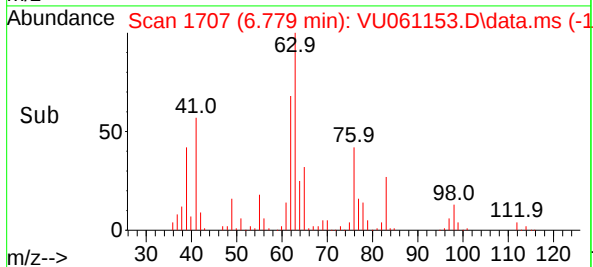
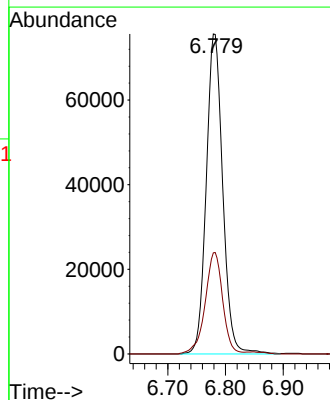
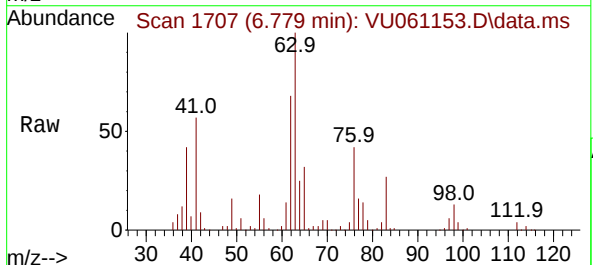
Acq: 17 Oct 2024 19:56

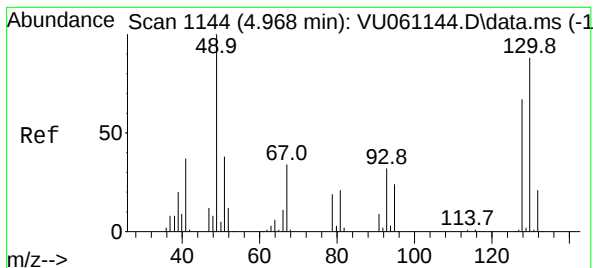
Tgt Ion: 63 Resp: 149736

Ion Ratio Lower Upper

63 100

65 31.6 25.0 37.6





#39

Methacrylonitrile

Concen: 11.906 ug/l

RT: 4.965 min Scan# 1144

Delta R.T. -0.003 min

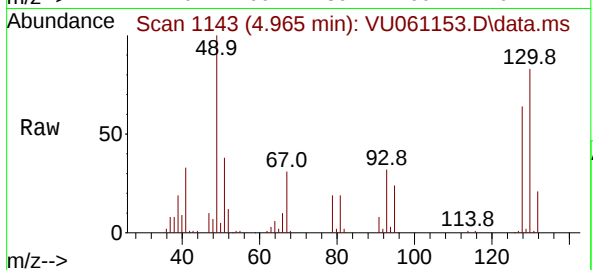
Lab File: VU061153.D

Acq: 17 Oct 2024 19:56

Instrument :

MSVOA\_U

ClientSampleId :



Tgt Ion: 41 Resp: 37139

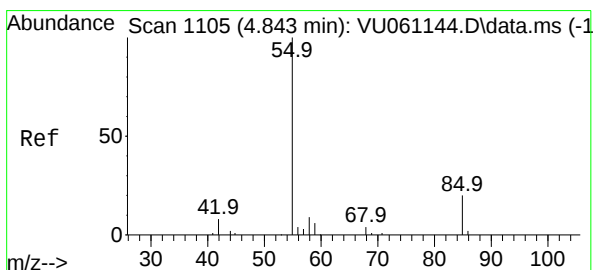
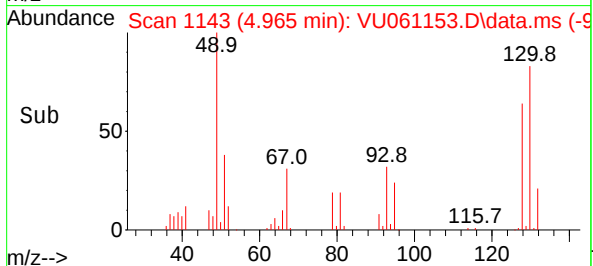
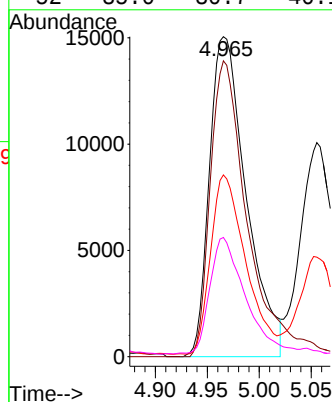
Ion Ratio Lower Upper

41 100

67 94.1 78.1 117.1

39 53.1 44.6 67.0

52 35.0 30.7 46.1



#40

Methyl acrylate

Concen: 10.997 ug/l

RT: 4.843 min Scan# 1105

Delta R.T. 0.000 min

Lab File: VU061153.D

Acq: 17 Oct 2024 19:56

Tgt Ion: 55 Resp: 69571

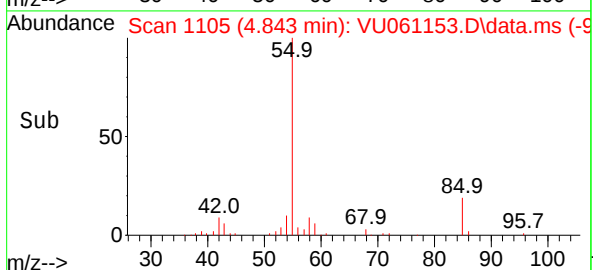
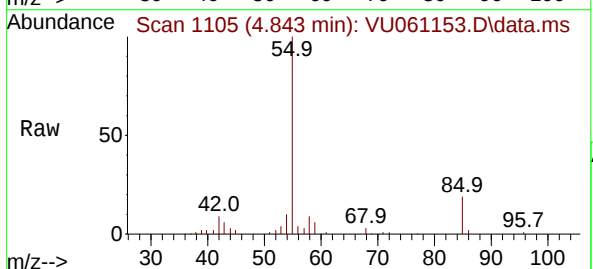
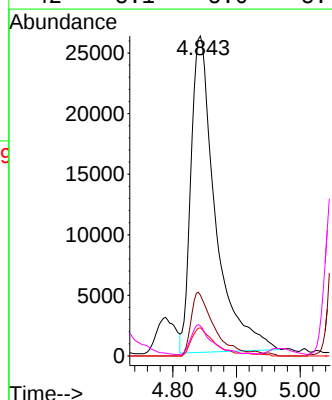
Ion Ratio Lower Upper

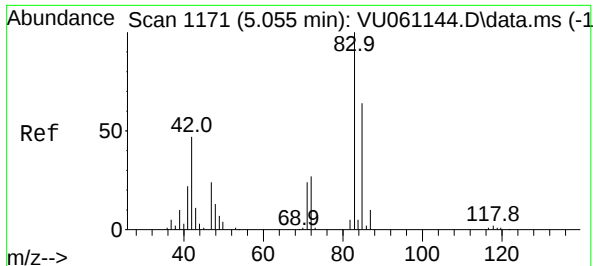
55 100

85 18.8 14.1 21.1

58 8.2 6.9 10.3

42 8.1 5.6 8.4





#41

Tetrahydrofuran

Concen: 21.438 ug/l

RT: 5.055 min Scan# 1171

Delta R.T. 0.000 min

Lab File: VU061153.D

Acq: 17 Oct 2024 19:56

Instrument :

MSVOA\_U

ClientSampleId :

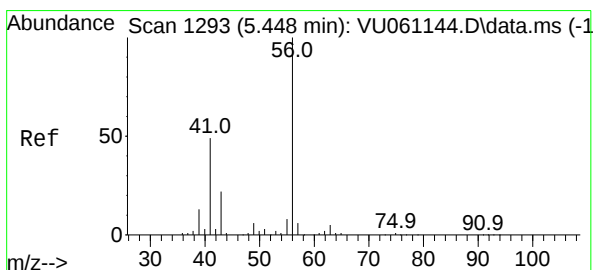
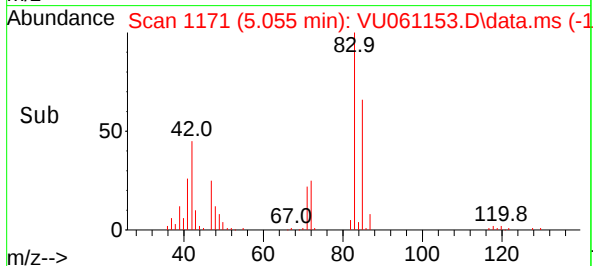
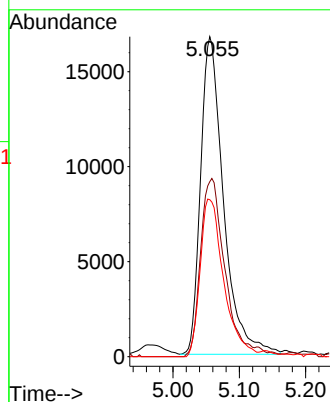
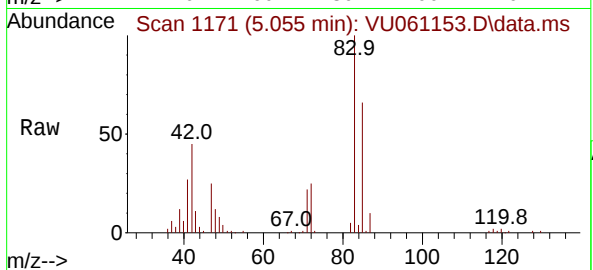
Tgt Ion: 42 Resp: 40166

Ion Ratio Lower Upper

42 100

72 58.5 47.8 71.8

71 50.9 41.5 62.3



#42

1-Chlorobutane

Concen: 10.899 ug/l

RT: 5.448 min Scan# 1293

Delta R.T. 0.000 min

Lab File: VU061153.D

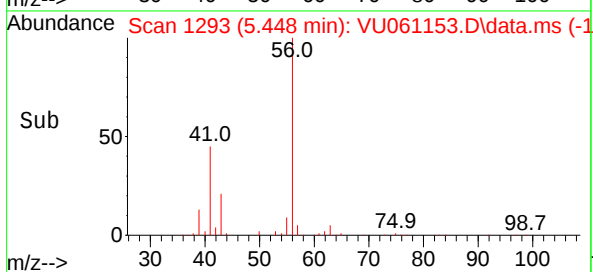
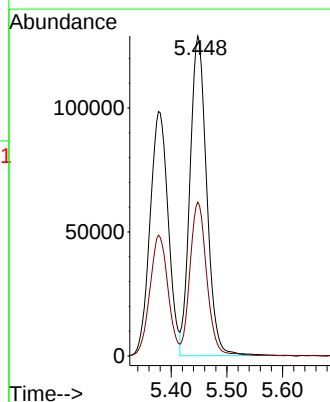
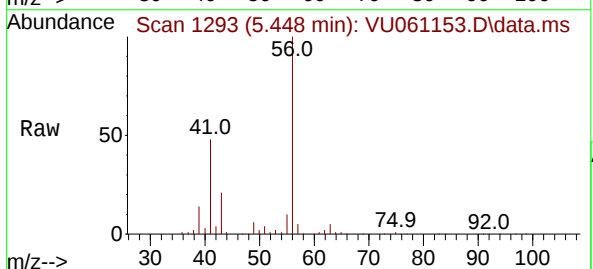
Acq: 17 Oct 2024 19:56

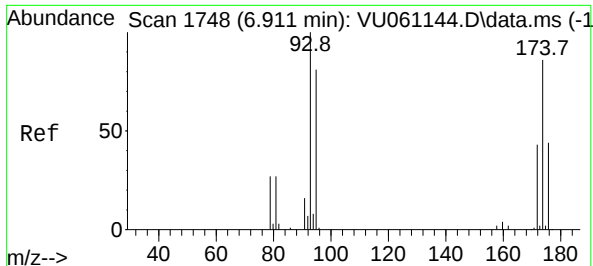
Tgt Ion: 56 Resp: 268562

Ion Ratio Lower Upper

56 100

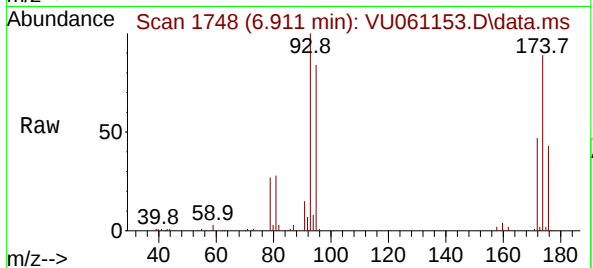
41 48.2 23.9 71.7



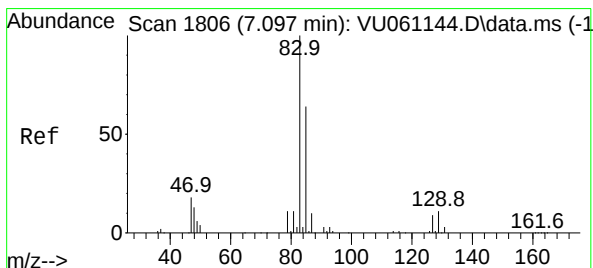
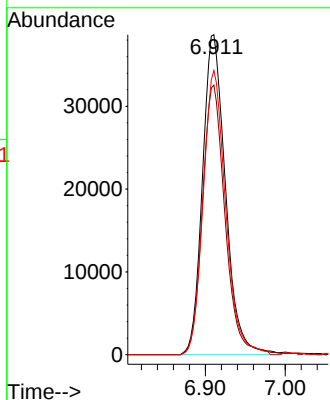
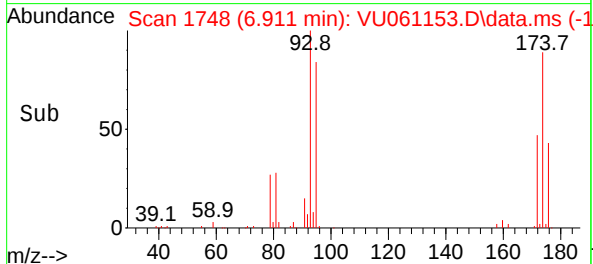


#43  
Dibromomethane  
Concen: 10.844 ug/l  
RT: 6.911 min Scan# 1748  
Delta R.T. 0.000 min  
Lab File: VU061153.D  
Acq: 17 Oct 2024 19:56

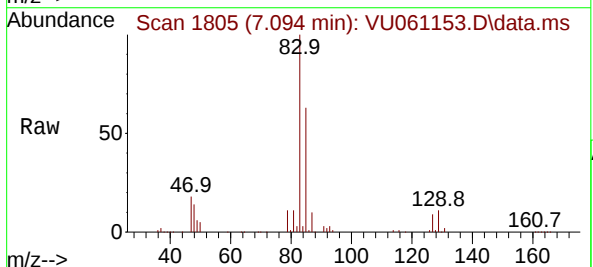
Instrument :  
MSVOA\_U  
ClientSampleId :



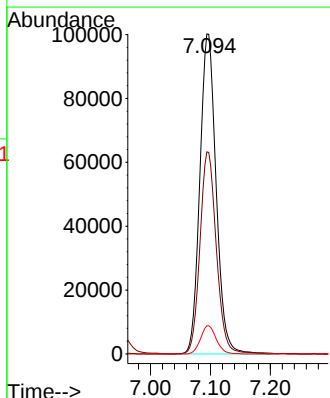
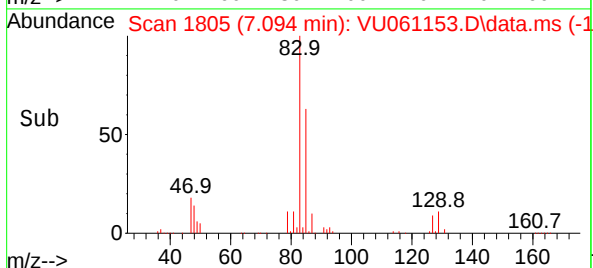
Tgt Ion: 93 Resp: 77023  
Ion Ratio Lower Upper  
93 100  
95 83.4 67.5 101.3  
174 87.0 71.2 106.8

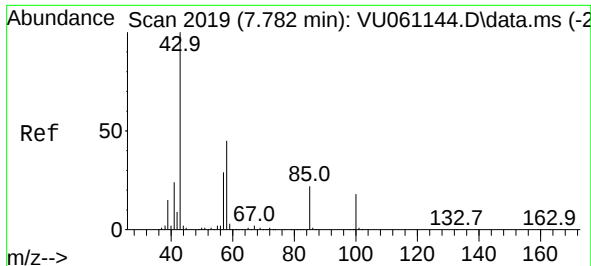


#44  
Bromodichloromethane  
Concen: 10.994 ug/l  
RT: 7.094 min Scan# 1805  
Delta R.T. -0.003 min  
Lab File: VU061153.D  
Acq: 17 Oct 2024 19:56



Tgt Ion: 83 Resp: 189885  
Ion Ratio Lower Upper  
83 100  
85 63.1 51.4 77.2  
127 8.8 7.4 11.2

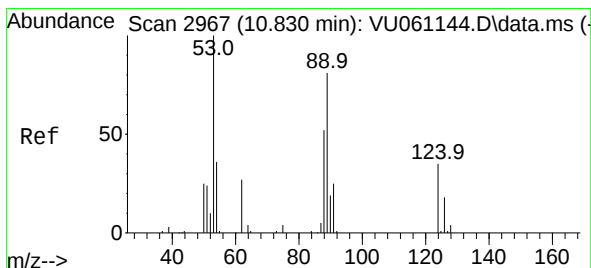
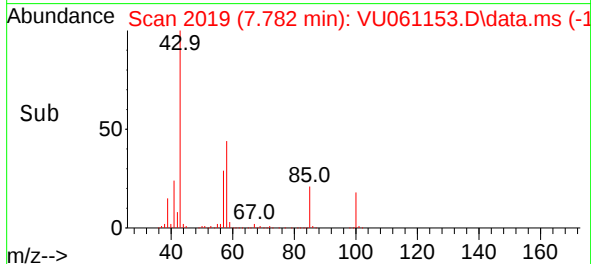
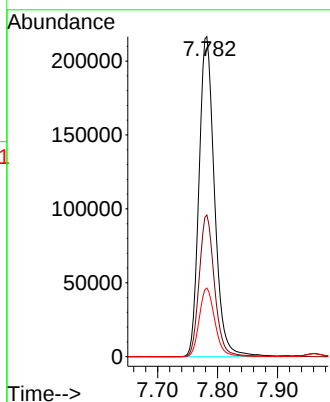
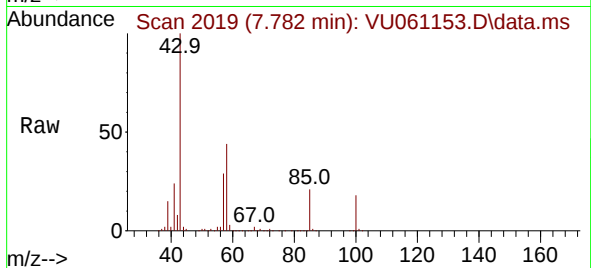




#45  
4-Methyl-2-Pentanone  
Concen: 54.688 ug/l  
RT: 7.782 min Scan# 2019  
Delta R.T. 0.000 min  
Lab File: VU061153.D  
Acq: 17 Oct 2024 19:56

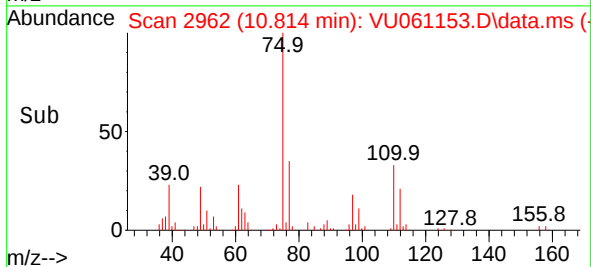
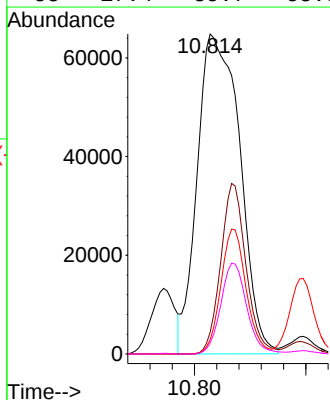
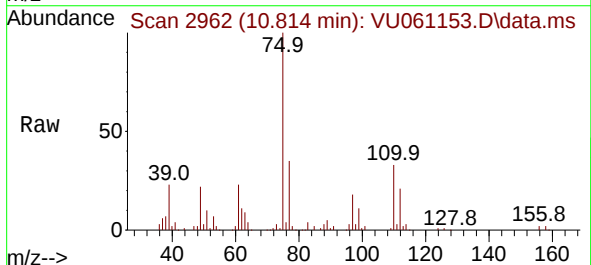
Instrument :  
MSVOA\_U  
ClientSampleId :

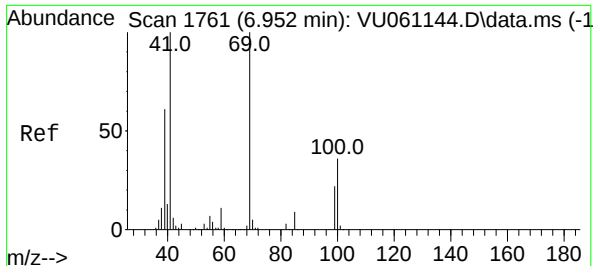
Tgt Ion: 43 Resp: 389916  
Ion Ratio Lower Upper  
43 100  
58 43.9 22.2 66.6  
85 21.6 17.2 25.8



#46  
t-1,4-Dichloro-2-butene  
Concen: 60.359 ug/l  
RT: 10.814 min Scan# 2962  
Delta R.T. -0.016 min  
Lab File: VU061153.D  
Acq: 17 Oct 2024 19:56

Tgt Ion: 75 Resp: 171598  
Ion Ratio Lower Upper  
75 100  
53 31.9 66.0 99.0#  
89 23.3 48.0 72.0#  
88 17.4 35.7 53.5#





#47

Methyl methacrylate

Concen: 22.851 ug/l

RT: 6.952 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU061153.D

Acq: 17 Oct 2024 19:56

Instrument :

MSVOA\_U

ClientSampleId :

Tgt Ion: 69 Resp: 141054

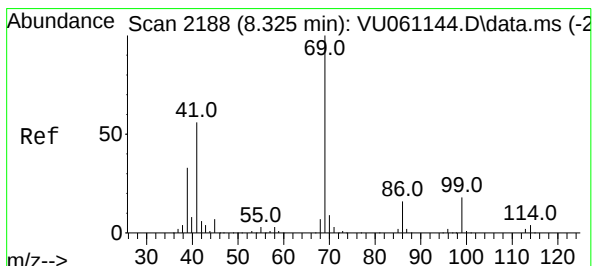
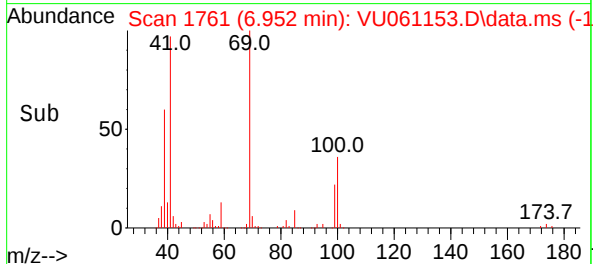
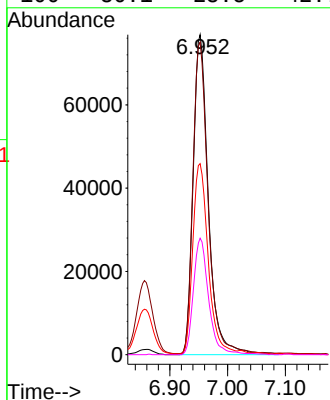
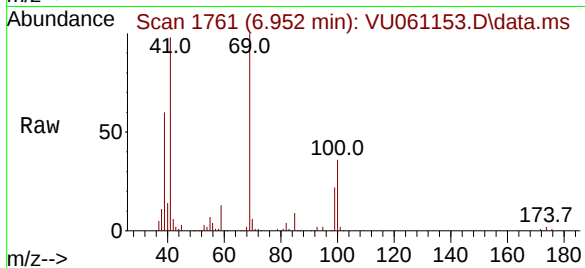
Ion Ratio Lower Upper

69 100

41 97.3 0.0 196.0

39 59.8 48.0 72.0

100 36.1 28.5 42.7



#48

Ethyl methacrylate

Concen: 11.379 ug/l

RT: 8.325 min Scan# 2188

Delta R.T. 0.000 min

Lab File: VU061153.D

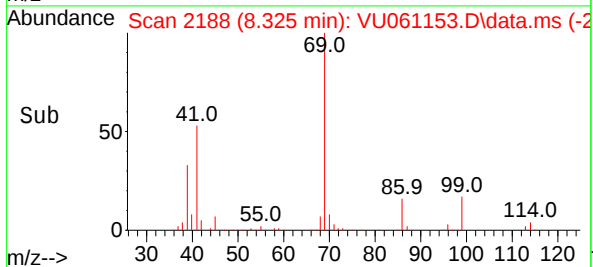
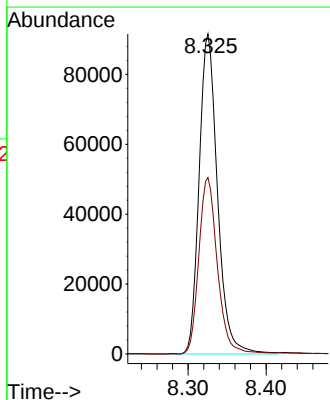
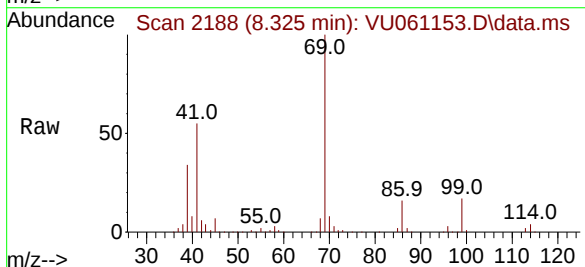
Acq: 17 Oct 2024 19:56

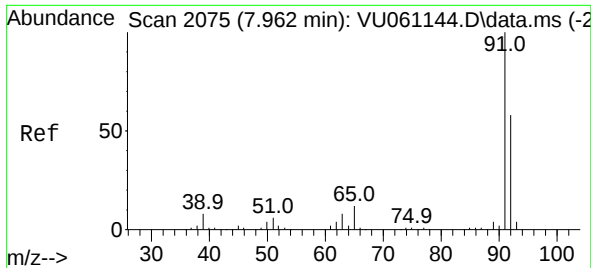
Tgt Ion: 69 Resp: 149778

Ion Ratio Lower Upper

69 100

41 55.7 28.1 84.3





#49

Toluene

Concen: 10.958 ug/l

RT: 7.959 min Scan# 2075

Delta R.T. -0.003 min

Lab File: VU061153.D

Acq: 17 Oct 2024 19:56

Instrument :

MSVOA\_U

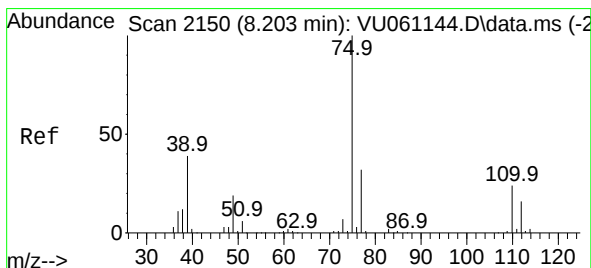
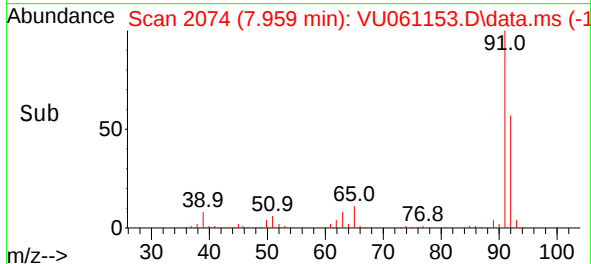
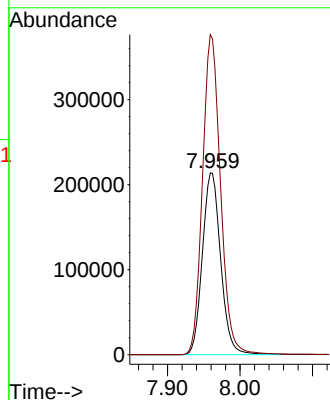
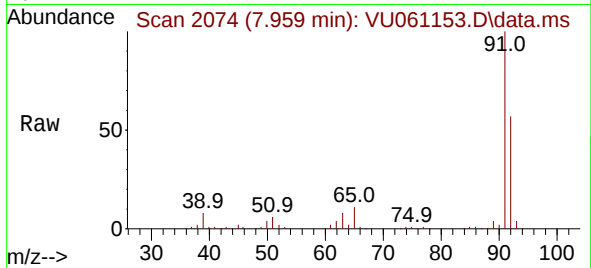
ClientSampleId :

Tgt Ion: 92 Resp: 374376

Ion Ratio Lower Upper

92 100

91 173.9 139.1 208.7



#50

t-1,3-Dichloropropene

Concen: 10.953 ug/l

RT: 8.200 min Scan# 2149

Delta R.T. -0.003 min

Lab File: VU061153.D

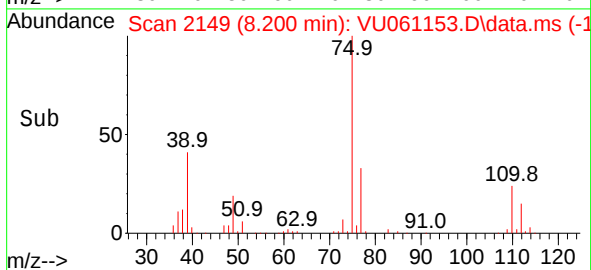
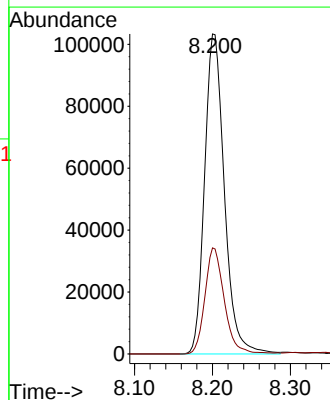
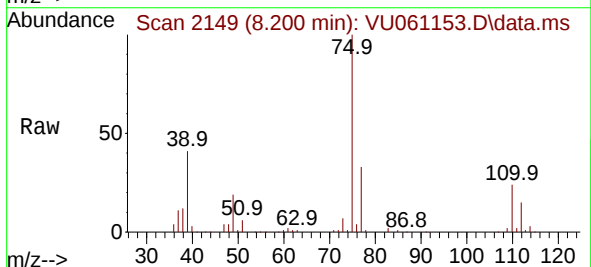
Acq: 17 Oct 2024 19:56

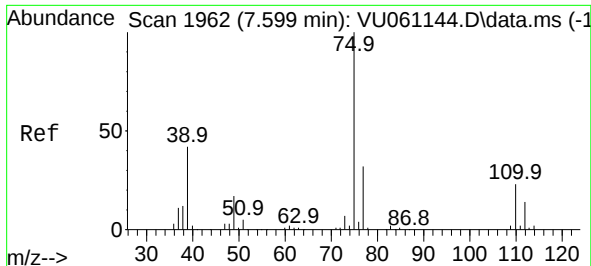
Tgt Ion: 75 Resp: 182390

Ion Ratio Lower Upper

75 100

77 33.1 25.9 38.9

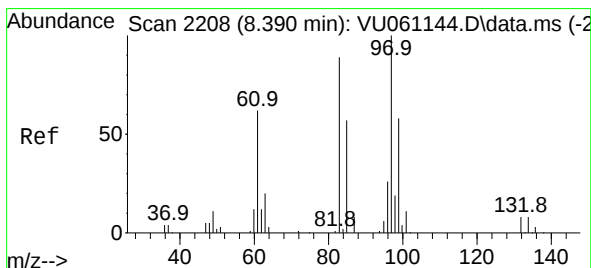
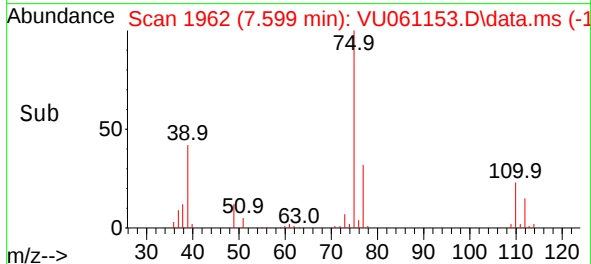
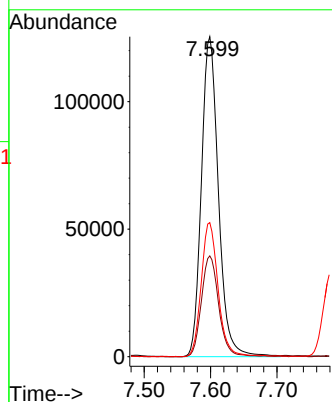
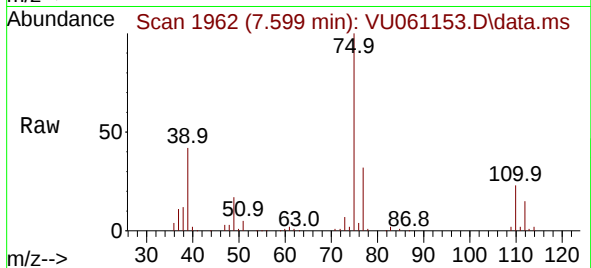




#51  
 cis-1,3-Dichloropropene  
 Concen: 10.977 ug/l  
 RT: 7.599 min Scan# 1962  
 Delta R.T. 0.000 min  
 Lab File: VU061153.D  
 Acq: 17 Oct 2024 19:56

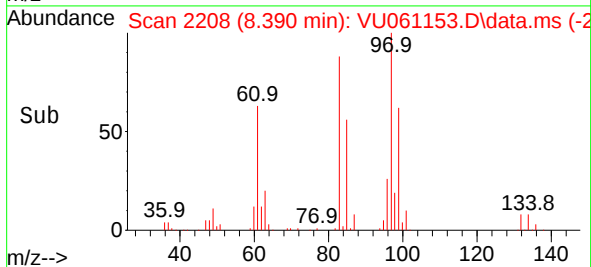
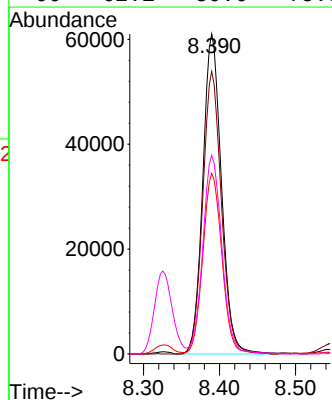
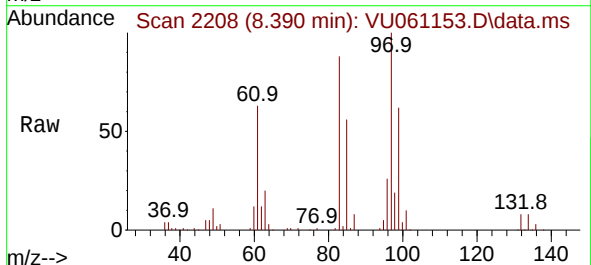
Instrument :  
 MSVOA\_U  
 ClientSampleId :

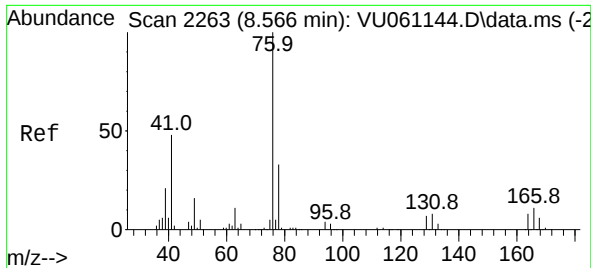
Tgt Ion: 75 Resp: 224276  
 Ion Ratio Lower Upper  
 75 100  
 77 31.5 25.8 38.8  
 39 41.9 33.7 50.5



#52  
 1,1,2-Trichloroethane  
 Concen: 10.878 ug/l  
 RT: 8.390 min Scan# 2208  
 Delta R.T. 0.000 min  
 Lab File: VU061153.D  
 Acq: 17 Oct 2024 19:56

Tgt Ion: 97 Resp: 104200  
 Ion Ratio Lower Upper  
 97 100  
 83 88.3 71.0 106.4  
 85 56.2 46.1 69.1  
 99 62.1 50.6 75.8

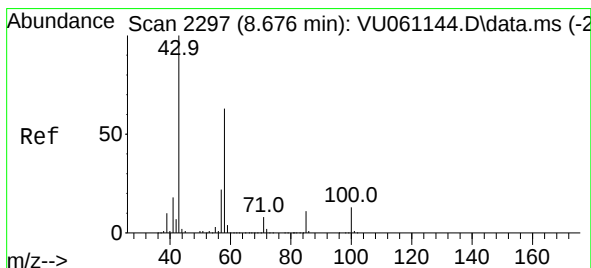
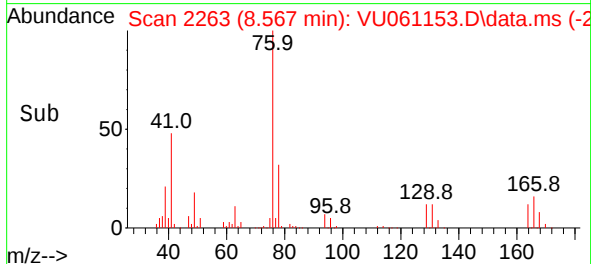
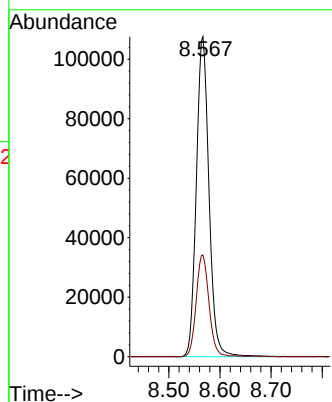
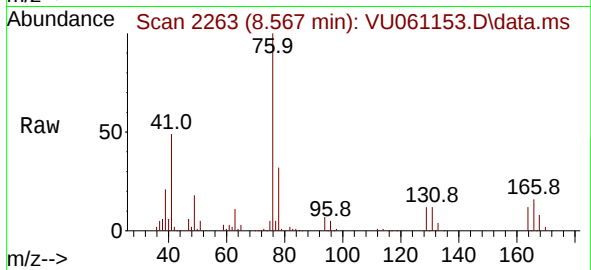




#53  
1,3-Dichloropropane  
Concen: 10.986 ug/l  
RT: 8.567 min Scan# 2263  
Delta R.T. 0.000 min  
Lab File: VU061153.D  
Acq: 17 Oct 2024 19:56

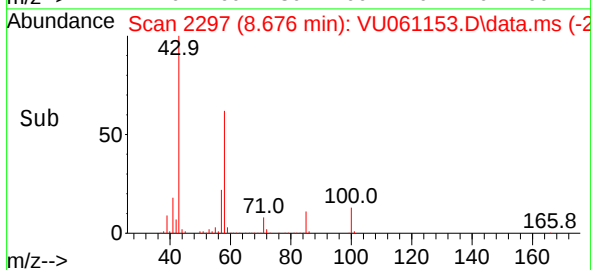
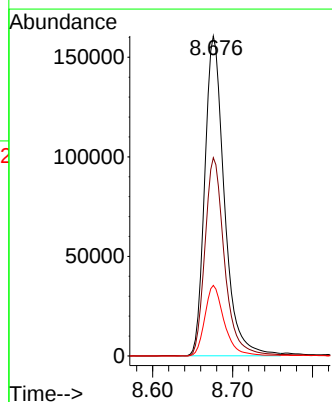
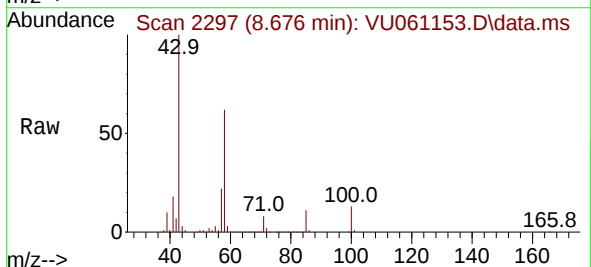
Instrument :  
MSVOA\_U  
ClientSampleId :

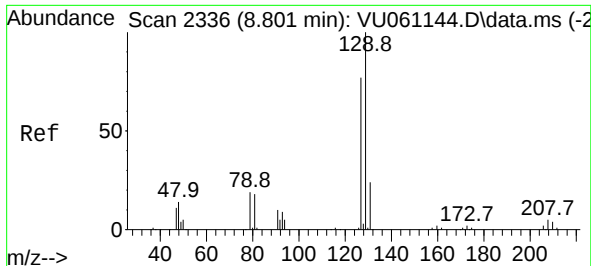
Tgt Ion: 76 Resp: 184845  
Ion Ratio Lower Upper  
76 100  
78 32.1 26.2 39.2



#54  
2-Hexanone  
Concen: 46.792 ug/l  
RT: 8.676 min Scan# 2297  
Delta R.T. 0.000 min  
Lab File: VU061153.D  
Acq: 17 Oct 2024 19:56

Tgt Ion: 43 Resp: 274068  
Ion Ratio Lower Upper  
43 100  
58 61.7 41.8 81.8  
57 22.1 1.4 41.4





#55

Dibromochloromethane

Concen: 11.349 ug/l

RT: 8.798 min Scan# 2335

Delta R.T. -0.003 min

Lab File: VU061153.D

Acq: 17 Oct 2024 19:56

Instrument :

MSVOA\_U

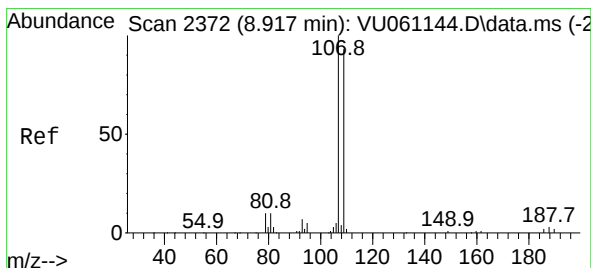
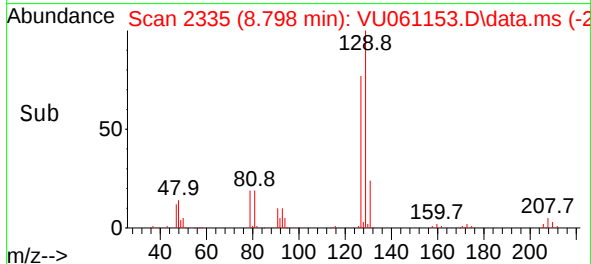
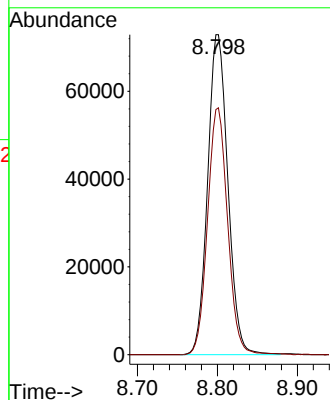
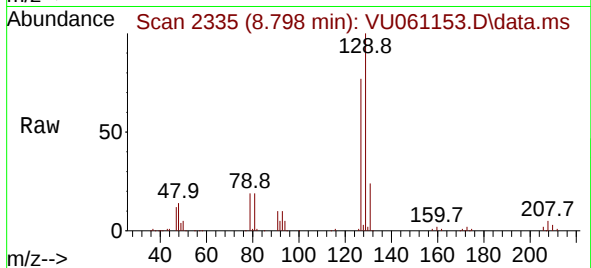
ClientSampleId :

Tgt Ion:129 Resp: 128340

Ion Ratio Lower Upper

129 100

127 76.5 61.9 92.9



#56

1,2-Dibromoethane

Concen: 10.927 ug/l

RT: 8.914 min Scan# 2371

Delta R.T. -0.003 min

Lab File: VU061153.D

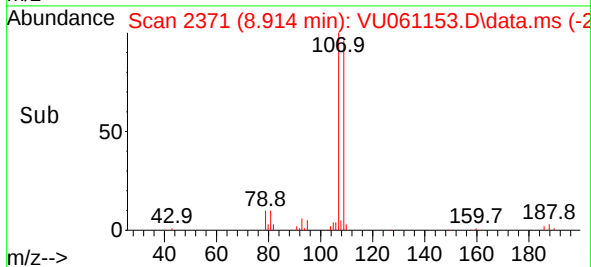
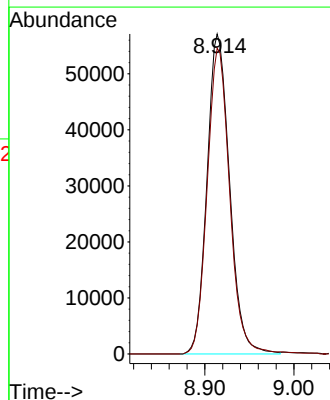
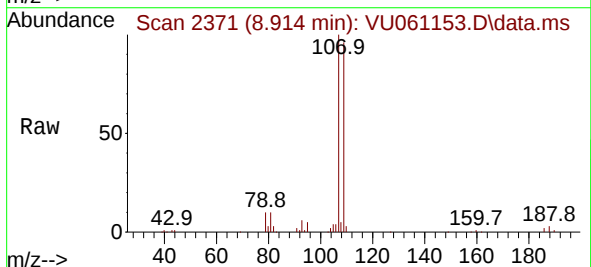
Acq: 17 Oct 2024 19:56

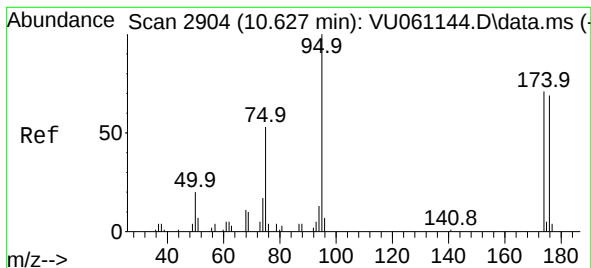
Tgt Ion:107 Resp: 100431

Ion Ratio Lower Upper

107 100

109 95.4 0.0 185.2





#57

4-Bromofluorobenzene

Concen: 0.987 ug/l

RT: 10.624 min Scan# 2903

Delta R.T. -0.003 min

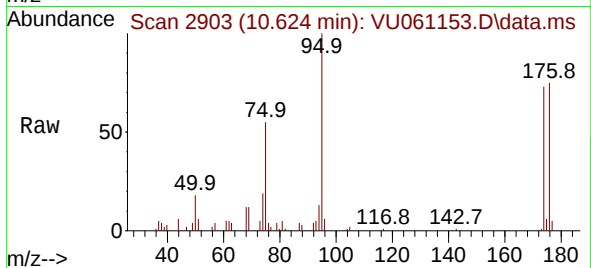
Lab File: VU061153.D

Acq: 17 Oct 2024 19:56

Instrument :

MSVOA\_U

ClientSampleId :



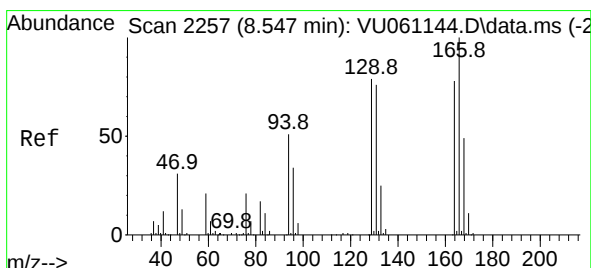
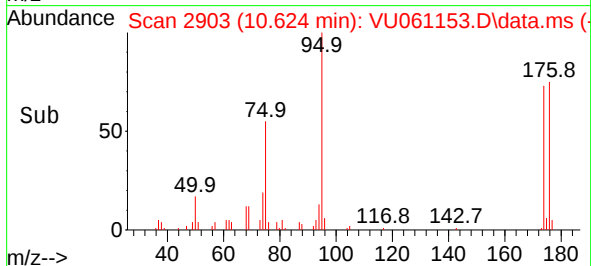
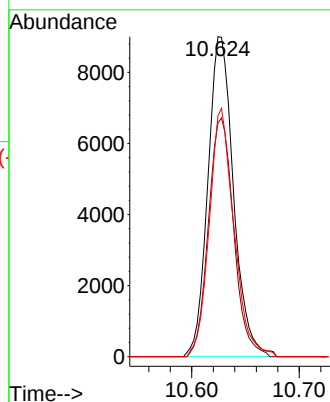
Tgt Ion: 95 Resp: 14940

Ion Ratio Lower Upper

95 100

174 73.2 55.4 83.0

176 74.4 54.4 81.6



#58

Tetrachloroethene

Concen: 10.646 ug/l

RT: 8.544 min Scan# 2256

Delta R.T. -0.003 min

Lab File: VU061153.D

Acq: 17 Oct 2024 19:56

Tgt Ion:164 Resp: 130306

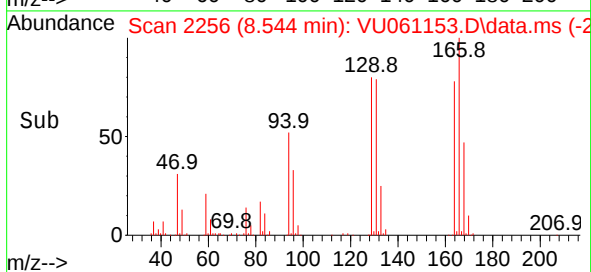
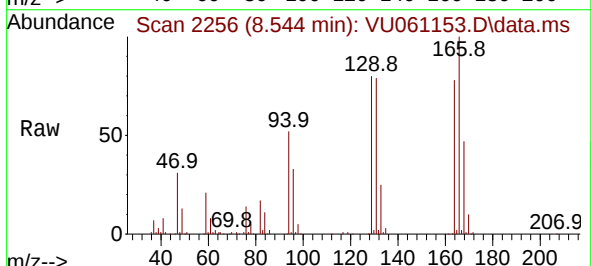
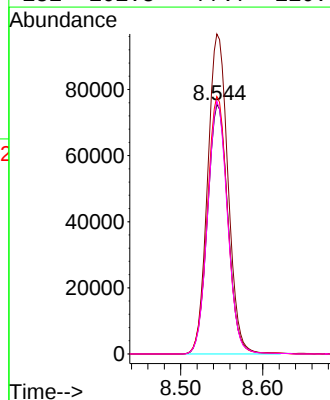
Ion Ratio Lower Upper

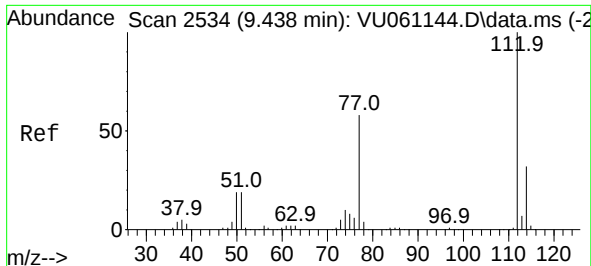
164 100

166 128.2 102.1 153.1

129 103.1 80.6 120.8

131 101.3 77.7 116.5

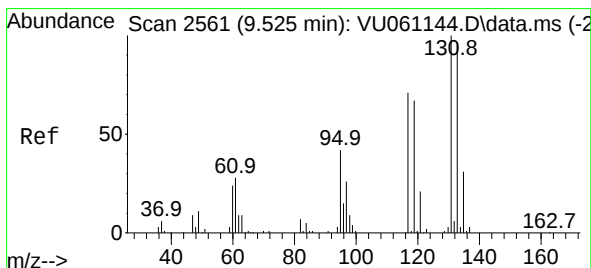
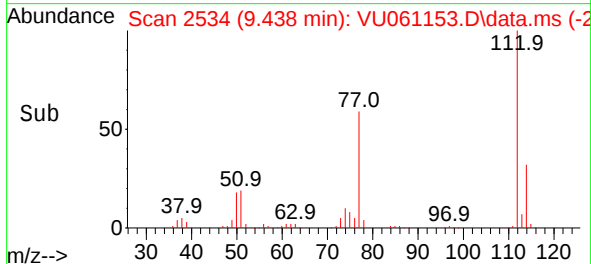
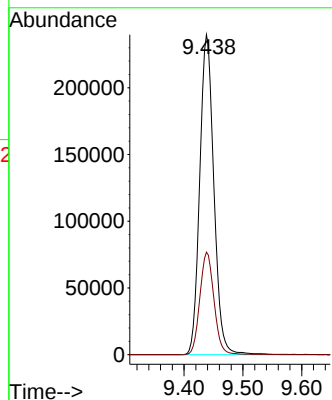
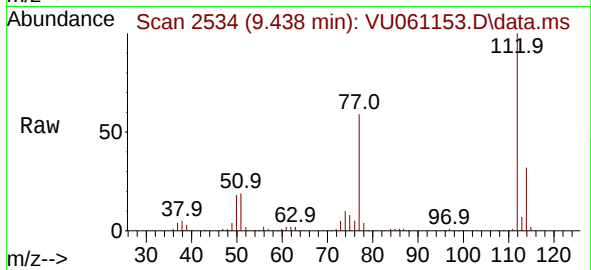




#59  
Chlorobenzene  
Concen: 10.879 ug/l  
RT: 9.438 min Scan# 2534  
Delta R.T. 0.000 min  
Lab File: VU061153.D  
Acq: 17 Oct 2024 19:56

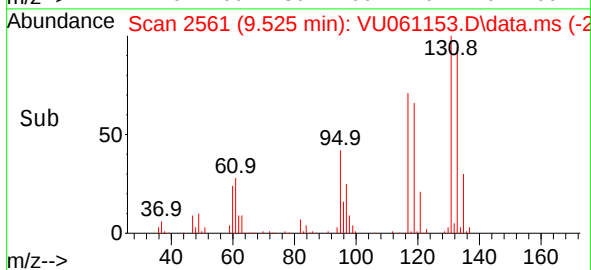
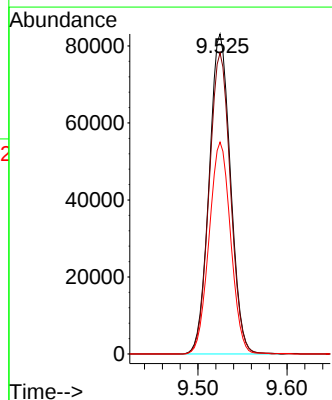
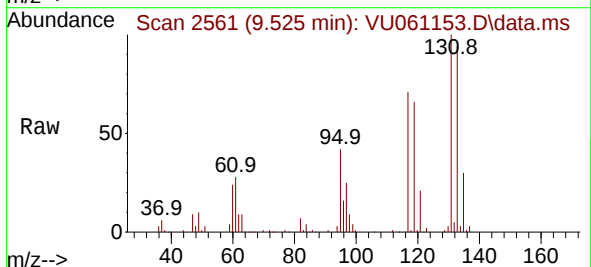
Instrument :  
MSVOA\_U  
ClientSampleId :

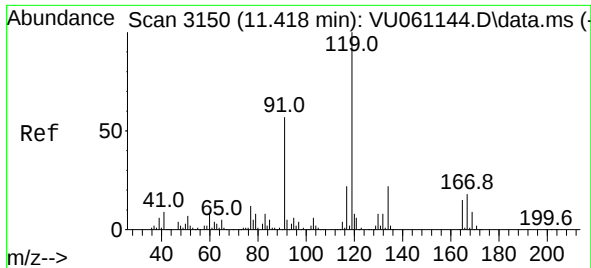
Tgt Ion:112 Resp: 400371  
Ion Ratio Lower Upper  
112 100  
114 32.0 25.4 38.2



#60  
1,1,1,2-Tetrachloroethane  
Concen: 11.132 ug/l  
RT: 9.525 min Scan# 2561  
Delta R.T. 0.000 min  
Lab File: VU061153.D  
Acq: 17 Oct 2024 19:56

Tgt Ion:131 Resp: 138223  
Ion Ratio Lower Upper  
131 100  
133 94.3 76.8 115.2  
119 66.8 54.2 81.2

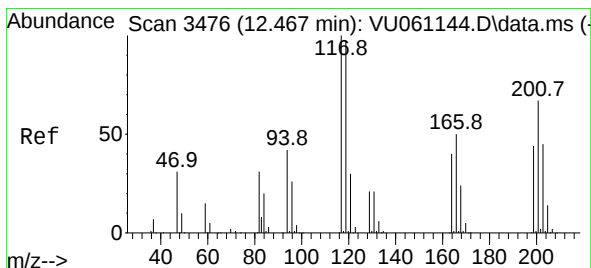
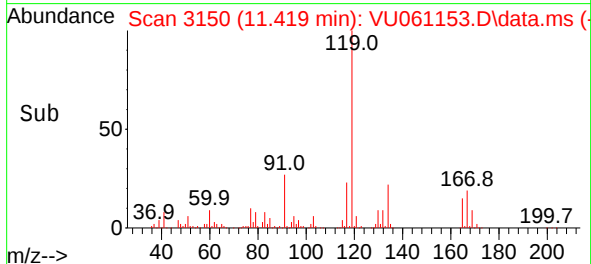
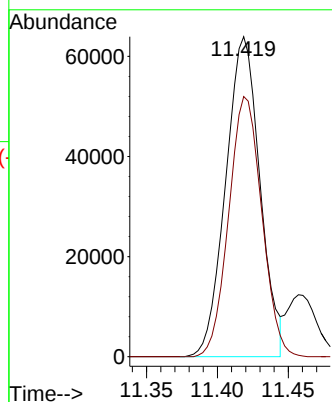
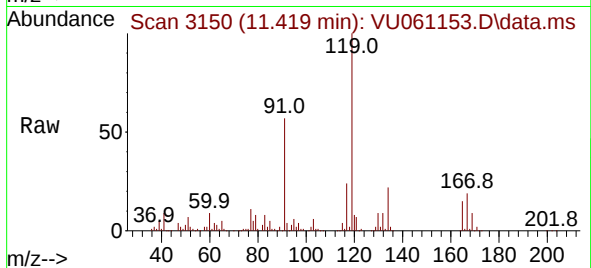




#61  
Pentachloroethane  
Concen: 11.324 ug/l  
RT: 11.419 min Scan# 3150  
Delta R.T. 0.000 min  
Lab File: VU061153.D  
Acq: 17 Oct 2024 19:56

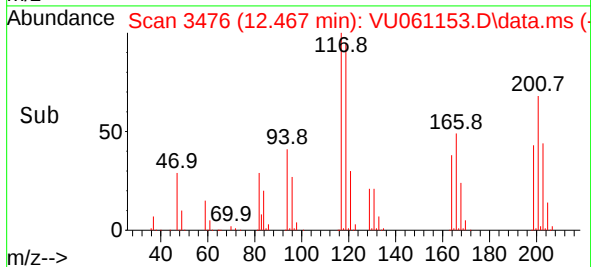
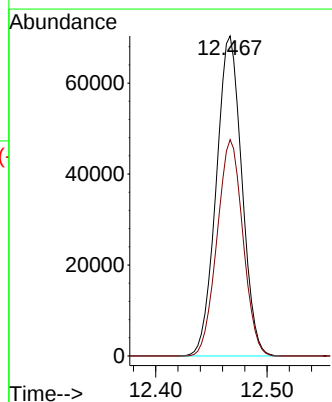
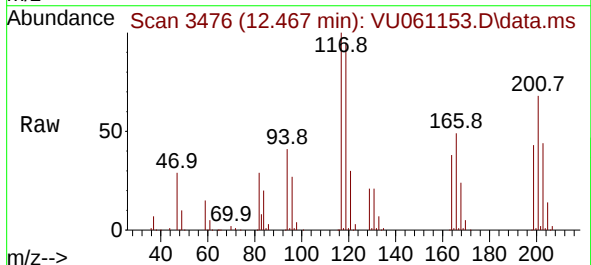
Instrument :  
MSVOA\_U  
ClientSampleId :

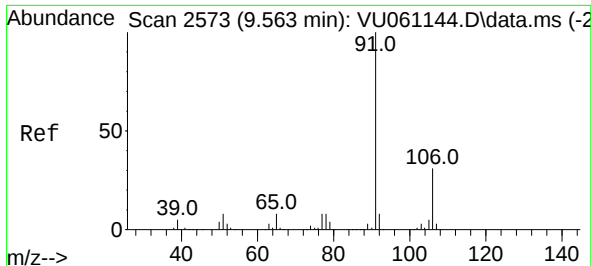
Tgt Ion:117 Resp: 107597  
Ion Ratio Lower Upper  
117 100  
167 78.3 63.4 95.2



#62  
Hexachloroethane  
Concen: 11.487 ug/l  
RT: 12.467 min Scan# 3476  
Delta R.T. 0.000 min  
Lab File: VU061153.D  
Acq: 17 Oct 2024 19:56

Tgt Ion:117 Resp: 112450  
Ion Ratio Lower Upper  
117 100  
201 68.2 54.3 81.5





#63

Ethyl Benzene

Concen: 10.902 ug/l

RT: 9.560 min Scan# 2573

Delta R.T. -0.003 min

Lab File: VU061153.D

Acq: 17 Oct 2024 19:56

Instrument :

MSVOA\_U

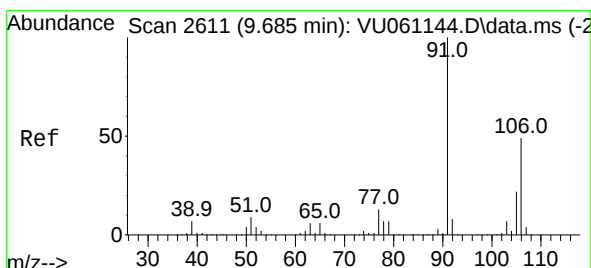
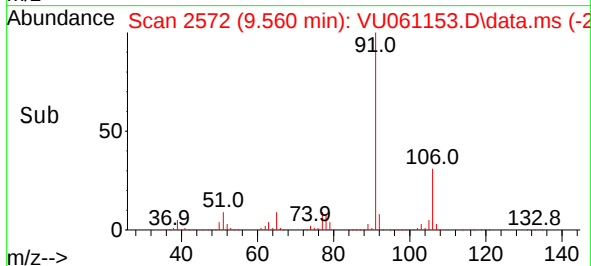
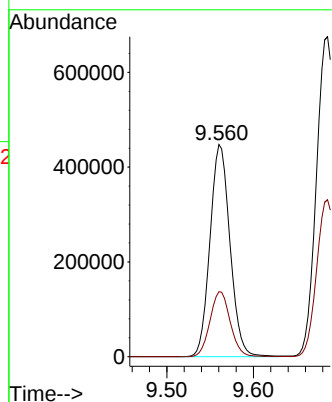
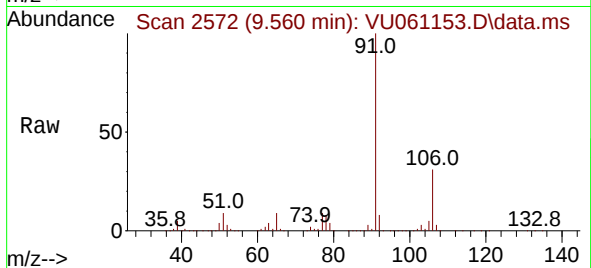
ClientSampleId :

Tgt Ion: 91 Resp: 718804

Ion Ratio Lower Upper

91 100

106 30.6 24.6 37.0



#64

m/p-Xylenes

Concen: 21.907 ug/l

RT: 9.685 min Scan# 2611

Delta R.T. 0.000 min

Lab File: VU061153.D

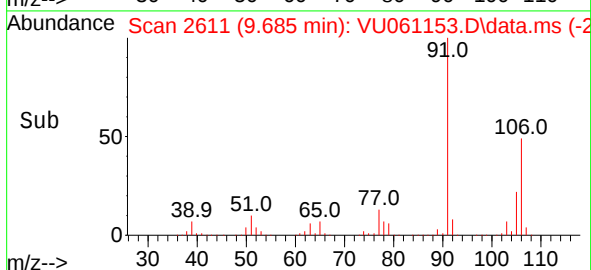
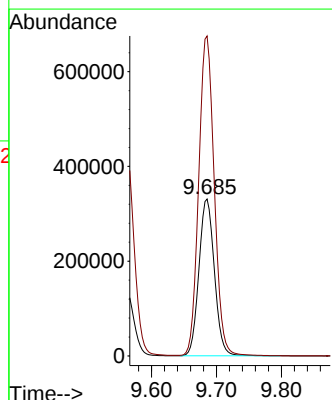
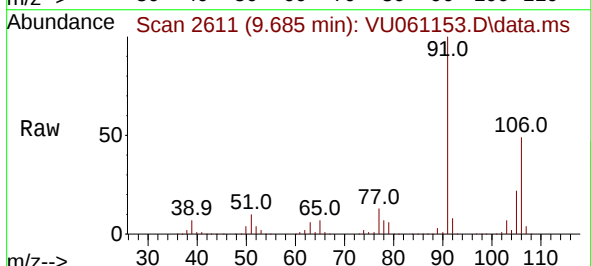
Acq: 17 Oct 2024 19:56

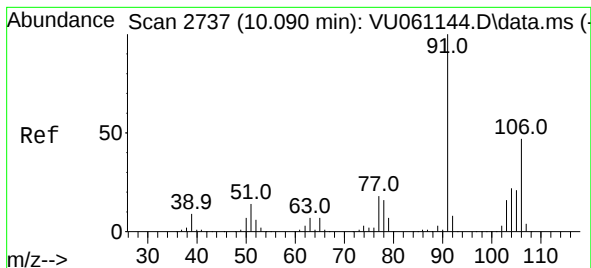
Tgt Ion:106 Resp: 549718

Ion Ratio Lower Upper

106 100

91 204.5 163.3 244.9





#65

o-Xylene

Concen: 10.898 ug/l

RT: 10.091 min Scan# 2737

Delta R.T. 0.000 min

Lab File: VU061153.D

Acq: 17 Oct 2024 19:56

Instrument :

MSVOA\_U

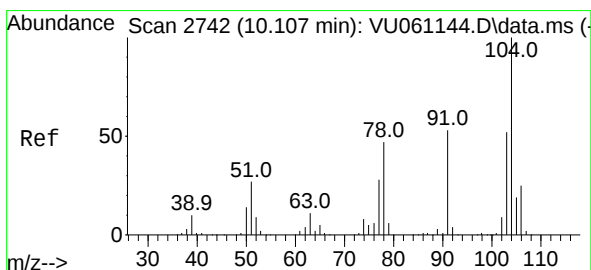
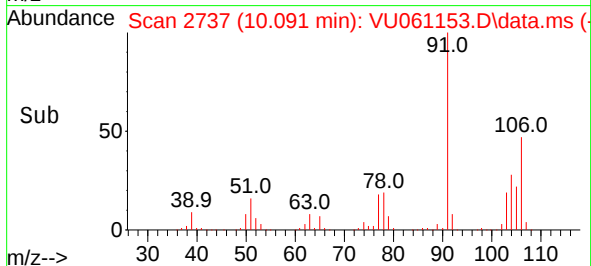
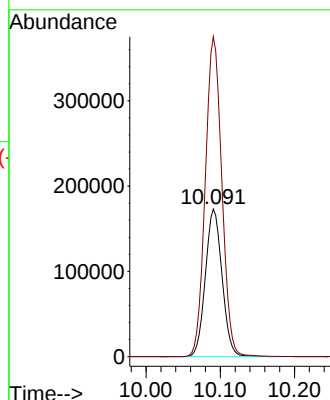
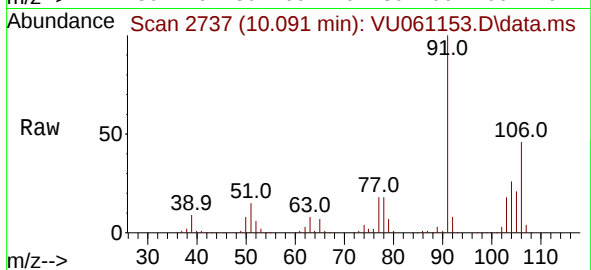
ClientSampleId :

Tgt Ion:106 Resp: 269352

Ion Ratio Lower Upper

106 100

91 215.7 106.9 320.8



#66

Styrene

Concen: 11.330 ug/l

RT: 10.107 min Scan# 2742

Delta R.T. 0.000 min

Lab File: VU061153.D

Acq: 17 Oct 2024 19:56

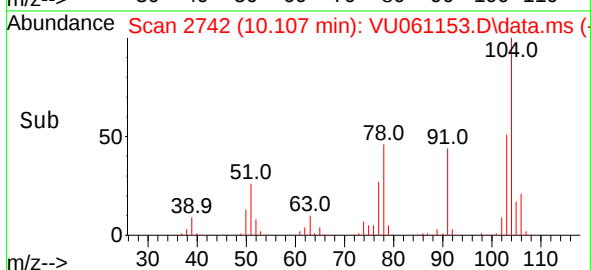
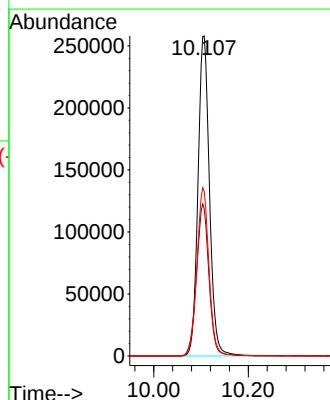
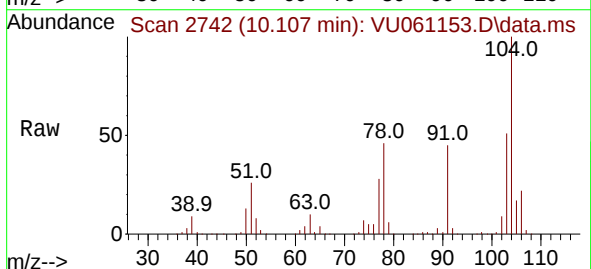
Tgt Ion:104 Resp: 435524

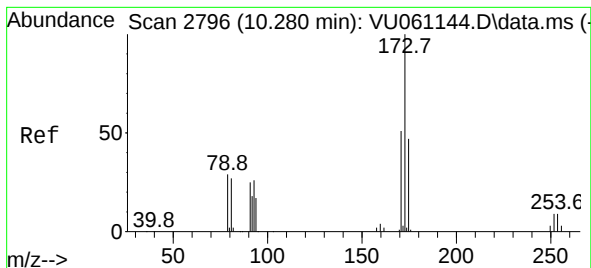
Ion Ratio Lower Upper

104 100

78 51.2 41.6 62.4

103 55.5 45.0 67.6





#67

Bromoform

Concen: 11.396 ug/l

RT: 10.280 min Scan# 21

Delta R.T. 0.000 min

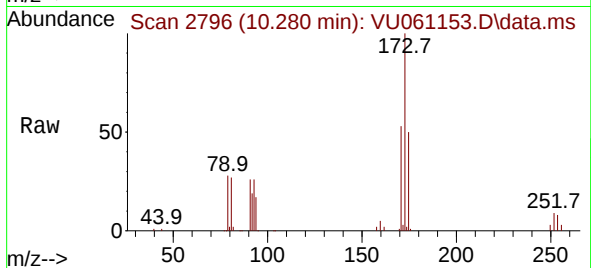
Lab File: VU061153.D

Acq: 17 Oct 2024 19:56

Instrument :

MSVOA\_U

ClientSampleId :



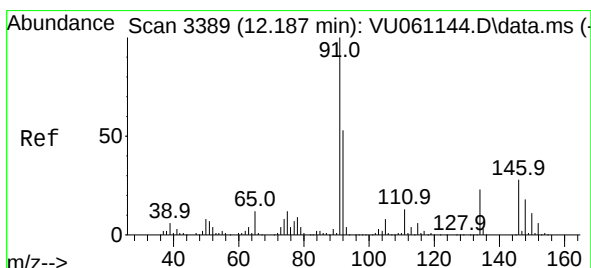
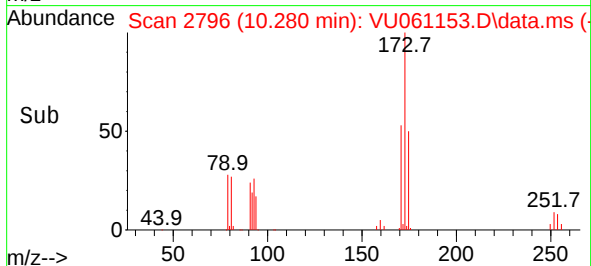
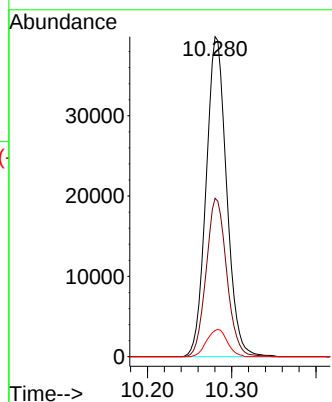
Tgt Ion:173 Resp: 67481

Ion Ratio Lower Upper

173 100

175 49.6 37.8 56.8

254 8.5 7.0 10.4



#68

1,2-Dichlorobenzene-d4

Concen: 1.040 ug/l

RT: 12.184 min Scan# 3388

Delta R.T. -0.003 min

Lab File: VU061153.D

Acq: 17 Oct 2024 19:56

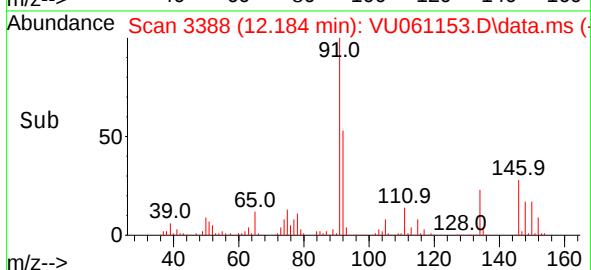
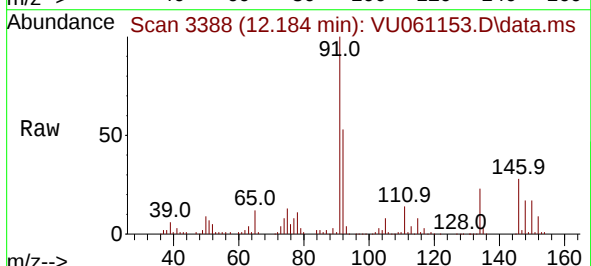
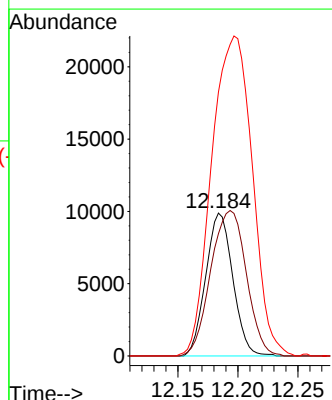
Tgt Ion:152 Resp: 15511

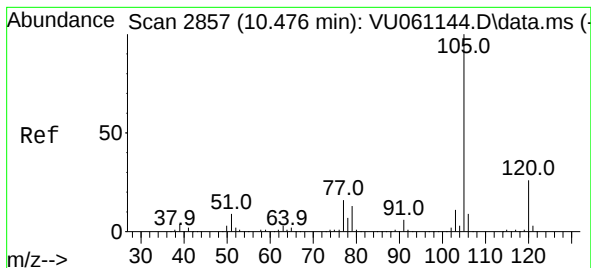
Ion Ratio Lower Upper

152 100

115 133.9 0.0 275.0

150 336.1 0.0 668.8





#69

Isopropylbenzene

Concen: 10.871 ug/l

RT: 10.476 min Scan# 2857

Delta R.T. 0.000 min

Lab File: VU061153.D

Acq: 17 Oct 2024 19:56

Instrument :

MSVOA\_U

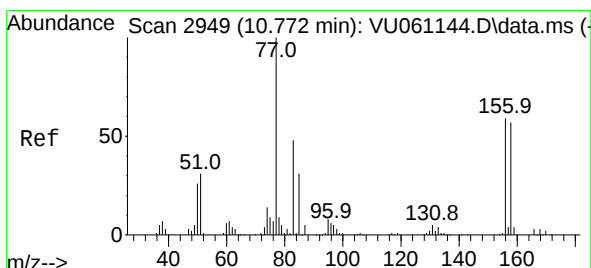
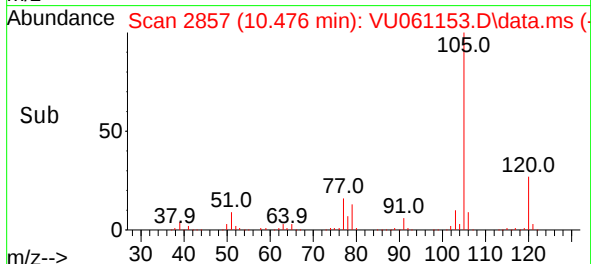
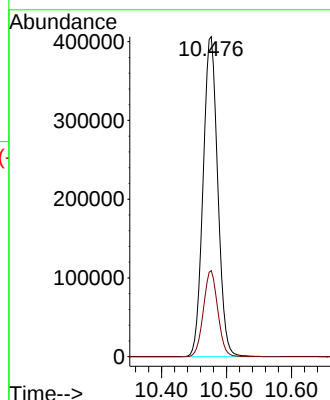
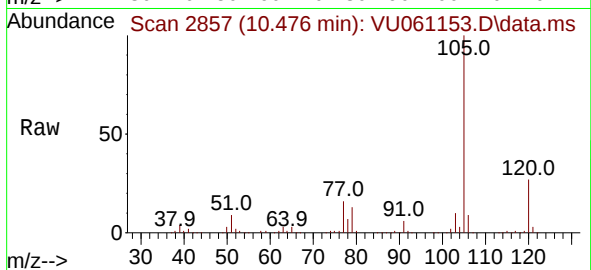
ClientSampleId :

Tgt Ion:105 Resp: 639144

Ion Ratio Lower Upper

105 100

120 26.4 13.1 39.1



#70

1,1,2,2-Tetrachloroethane

Concen: 11.212 ug/l

RT: 10.772 min Scan# 2949

Delta R.T. 0.000 min

Lab File: VU061153.D

Acq: 17 Oct 2024 19:56

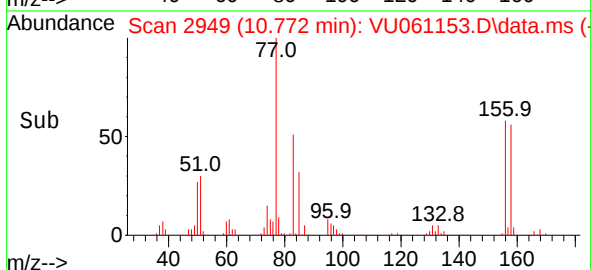
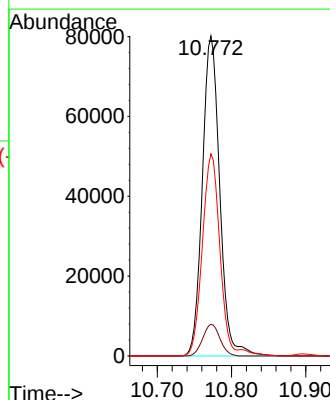
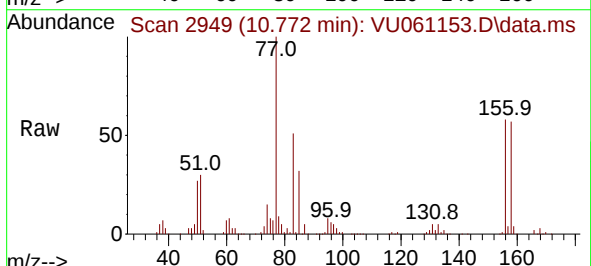
Tgt Ion: 83 Resp: 130454

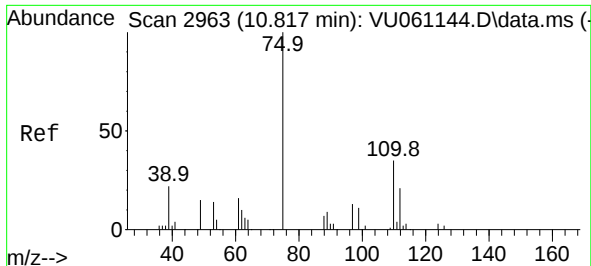
Ion Ratio Lower Upper

83 100

131 9.8 7.8 11.8

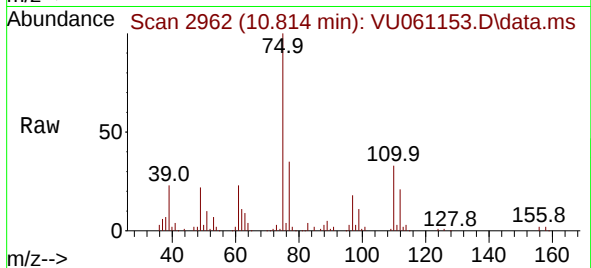
85 62.7 50.8 76.2



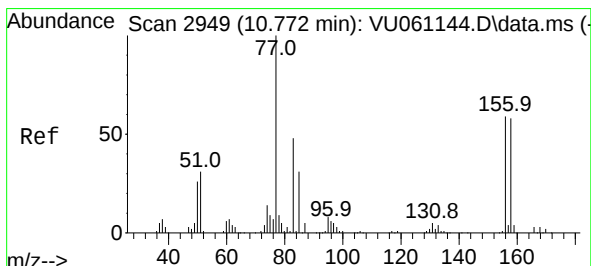
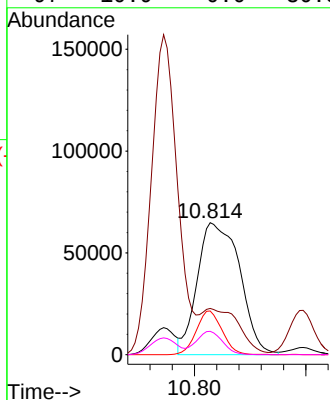
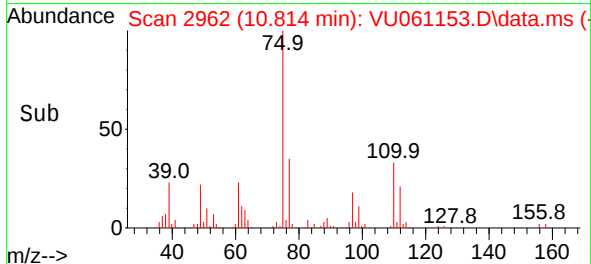


#71  
1,2,3-Trichloropropane  
Concen: 18.110 ug/l  
RT: 10.814 min Scan# 2962  
Delta R.T. -0.003 min  
Lab File: VU061153.D  
Acq: 17 Oct 2024 19:56

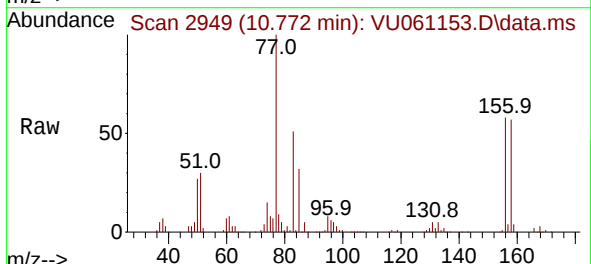
Instrument :  
MSVOA\_U  
ClientSampleId :



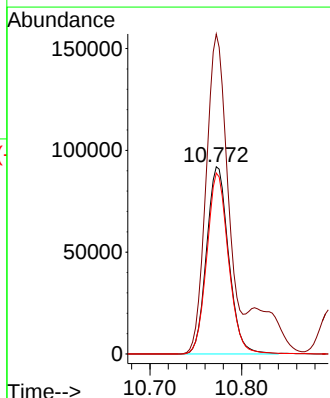
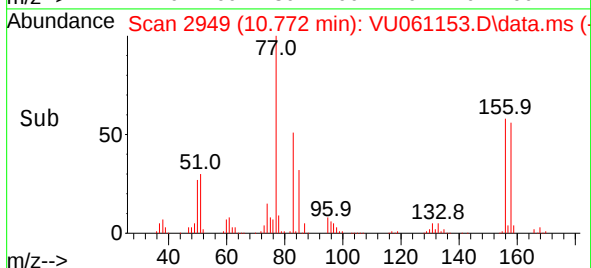
|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion: 75 | Resp: | 171598 |
| Ion | Ratio   | Lower | Upper  |
| 75  | 100     |       |        |
| 77  | 0.0     | 0.0   | 0.0    |
| 110 | 20.2    | 0.0   | 68.6   |
| 97  | 10.9    | 0.0   | 36.8   |

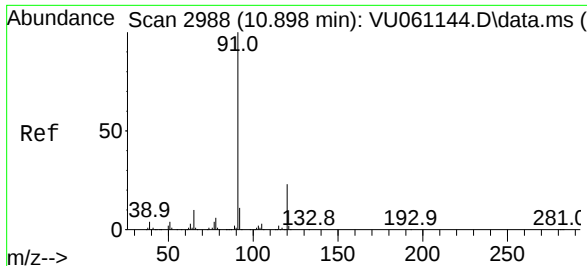


#72  
Bromobenzene  
Concen: 10.852 ug/l  
RT: 10.772 min Scan# 2949  
Delta R.T. 0.000 min  
Lab File: VU061153.D  
Acq: 17 Oct 2024 19:56



|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:156 | Resp: | 153425 |
| Ion | Ratio   | Lower | Upper  |
| 156 | 100     |       |        |
| 77  | 167.7   | 0.0   | 337.2  |
| 158 | 95.1    | 0.0   | 192.8  |





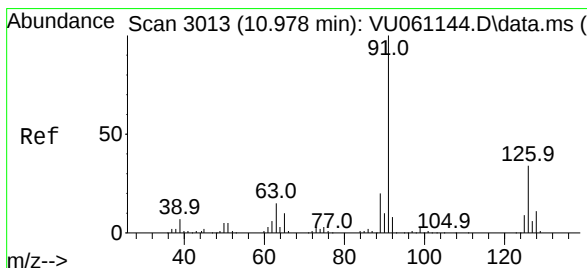
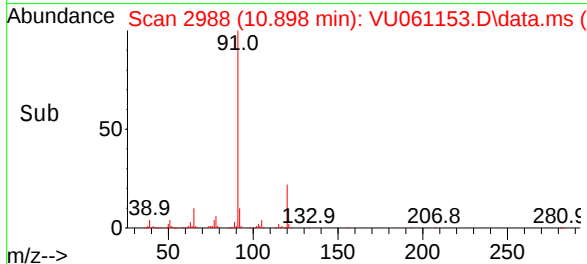
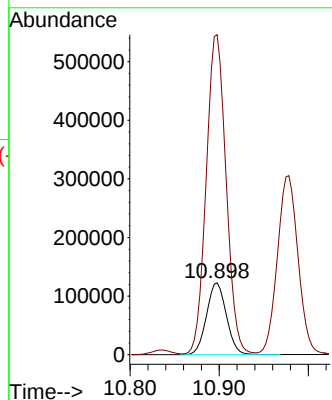
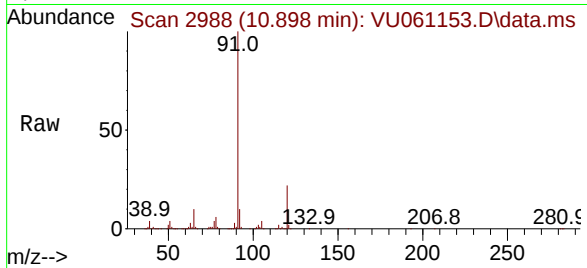
#73  
n-propylbenzene  
Concen: 11.031 ug/l  
RT: 10.898 min Scan# 2988  
Delta R.T. 0.000 min  
Lab File: VU061153.D  
Acq: 17 Oct 2024 19:56

Instrument :

MSVOA\_U

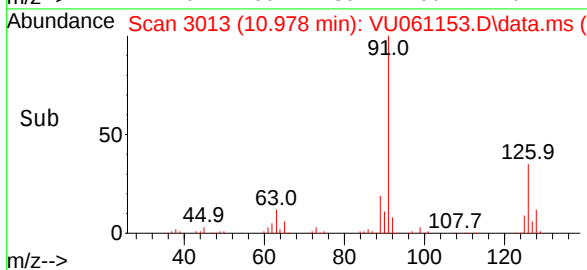
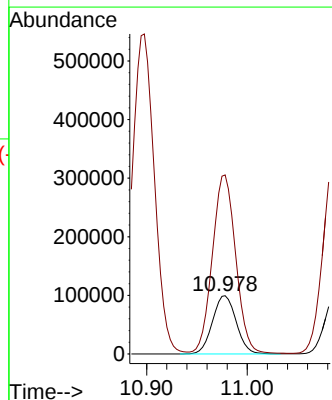
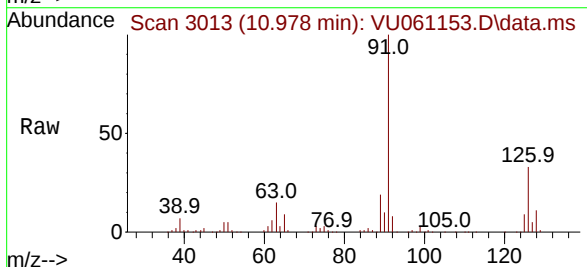
ClientSampleId :

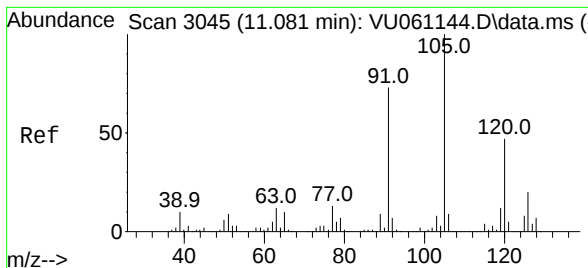
Tgt Ion:120 Resp: 189256  
Ion Ratio Lower Upper  
120 100  
91 445.1 353.6 530.4



#74  
2-Chlorotoluene  
Concen: 10.972 ug/l  
RT: 10.978 min Scan# 3013  
Delta R.T. 0.000 min  
Lab File: VU061153.D  
Acq: 17 Oct 2024 19:56

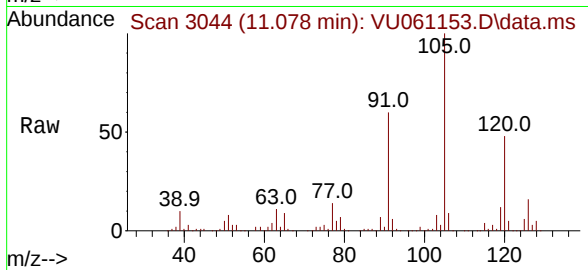
Tgt Ion:126 Resp: 162817  
Ion Ratio Lower Upper  
126 100  
91 301.4 0.0 595.2



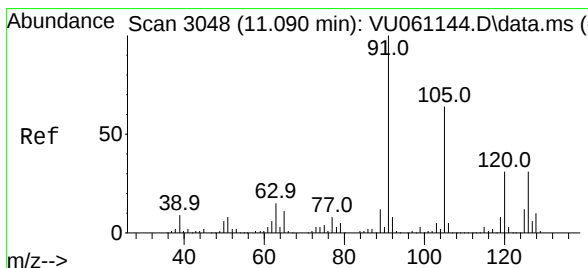
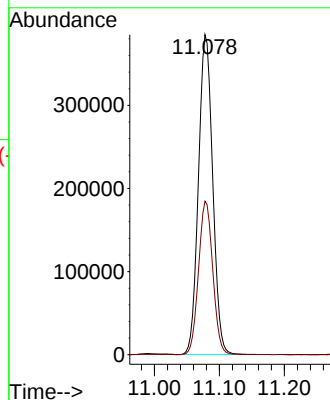
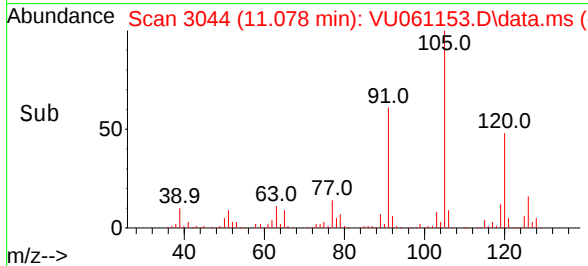


#75  
1,3,5-Trimethylbenzene  
Concen: 11.097 ug/l  
RT: 11.078 min Scan# 3044  
Delta R.T. -0.003 min  
Lab File: VU061153.D  
Acq: 17 Oct 2024 19:56

Instrument :  
MSVOA\_U  
ClientSampleId :

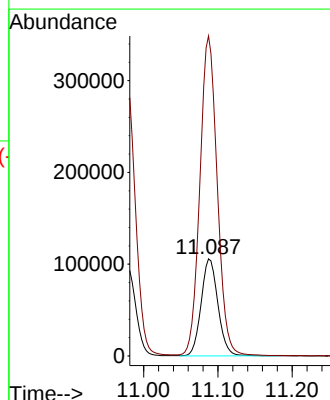
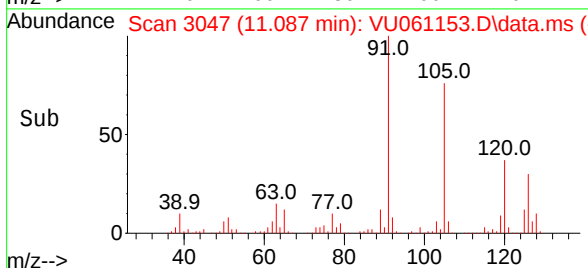
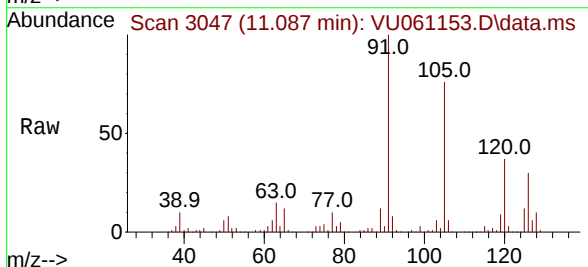


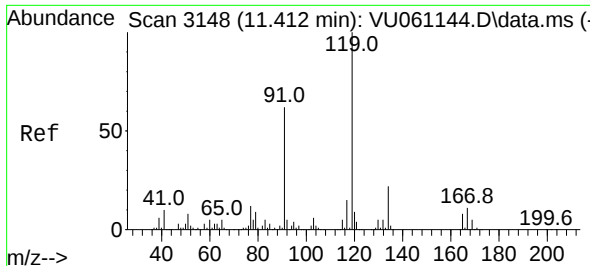
Tgt Ion:105 Resp: 588256  
Ion Ratio Lower Upper  
105 100  
120 48.1 38.0 57.0



#76  
4-Chlorotoluene  
Concen: 11.026 ug/l  
RT: 11.087 min Scan# 3047  
Delta R.T. -0.003 min  
Lab File: VU061153.D  
Acq: 17 Oct 2024 19:56

Tgt Ion:126 Resp: 166293  
Ion Ratio Lower Upper  
126 100  
91 340.1 0.0 678.2

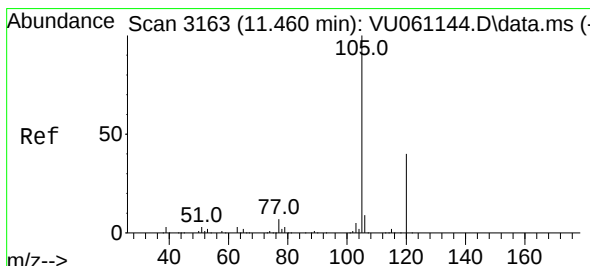
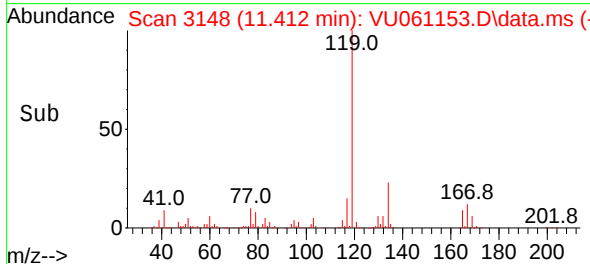
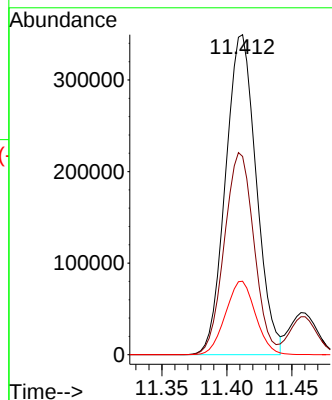
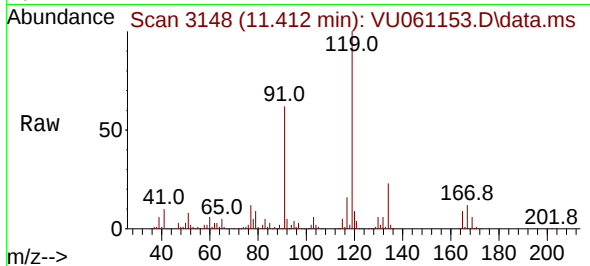




#77  
tert-Butylbenzene  
Concen: 10.982 ug/l  
RT: 11.412 min Scan# 3148  
Delta R.T. 0.000 min  
Lab File: VU061153.D  
Acq: 17 Oct 2024 19:56

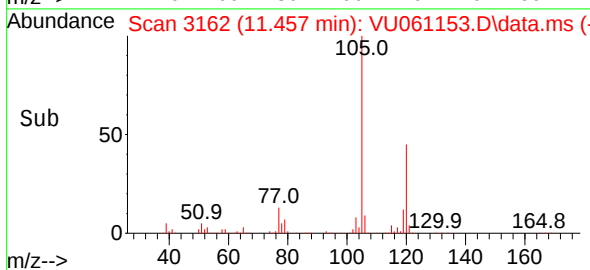
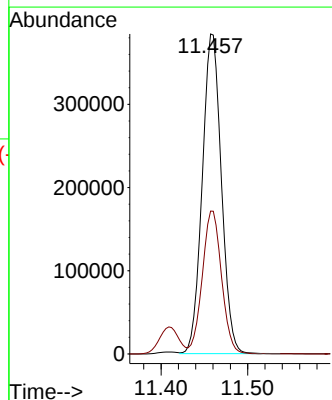
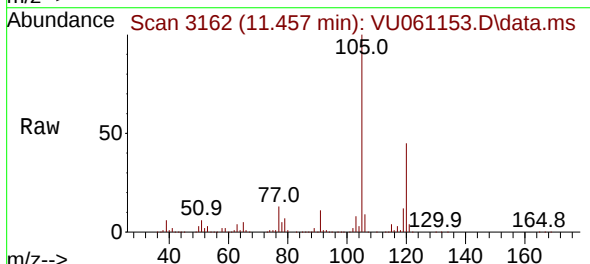
Instrument :  
MSVOA\_U  
ClientSampleId :

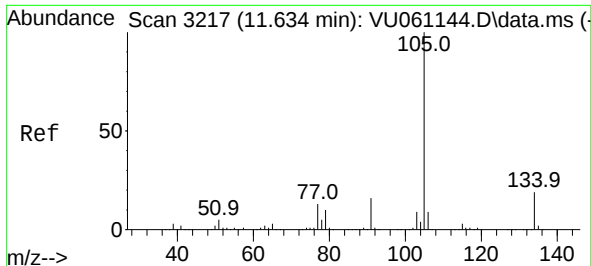
Tgt Ion:119 Resp: 575465  
Ion Ratio Lower Upper  
119 100  
91 60.7 30.1 90.5  
134 22.4 17.5 26.3



#78  
1,2,4-Trimethylbenzene  
Concen: 11.010 ug/l  
RT: 11.457 min Scan# 3162  
Delta R.T. -0.003 min  
Lab File: VU061153.D  
Acq: 17 Oct 2024 19:56

Tgt Ion:105 Resp: 589272  
Ion Ratio Lower Upper  
105 100  
120 44.9 22.3 66.9





#79

sec-Butylbenzene

Concen: 11.091 ug/l

RT: 11.634 min Scan# 3217

Delta R.T. 0.000 min

Lab File: VU061153.D

Acq: 17 Oct 2024 19:56

Instrument :

MSVOA\_U

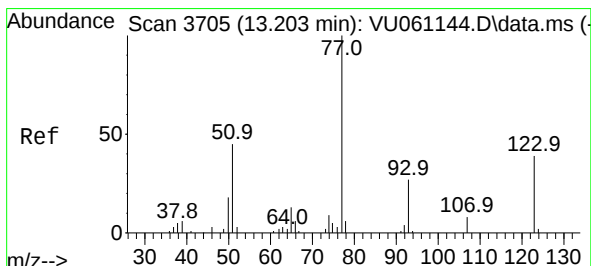
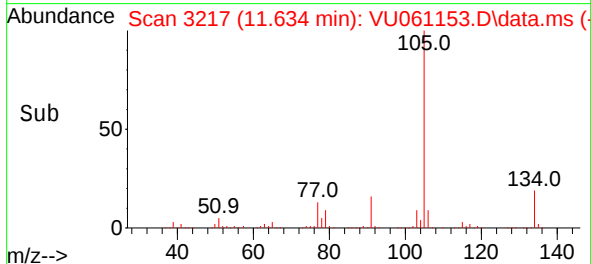
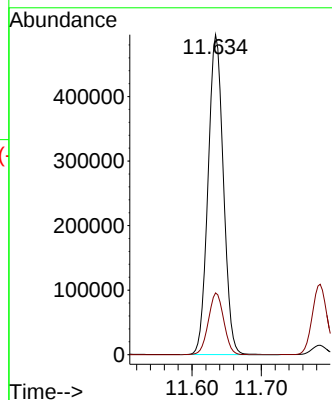
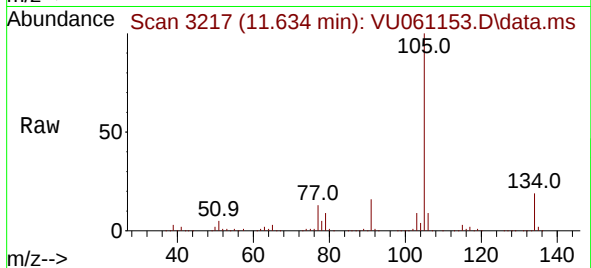
ClientSampleId :

Tgt Ion:105 Resp: 756876

Ion Ratio Lower Upper

105 100

134 19.4 15.5 23.3



#80

Nitrobenzene

Concen: 41.105 ug/l

RT: 13.203 min Scan# 3705

Delta R.T. 0.000 min

Lab File: VU061153.D

Acq: 17 Oct 2024 19:56

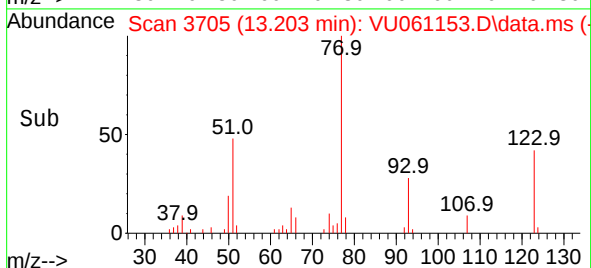
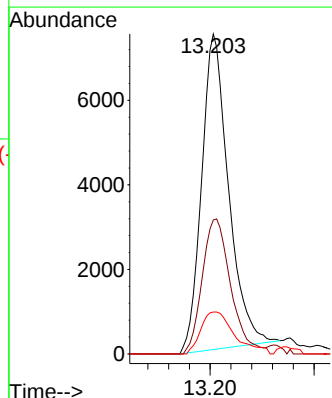
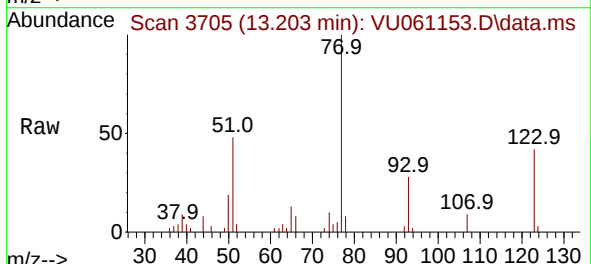
Tgt Ion: 77 Resp: 13395

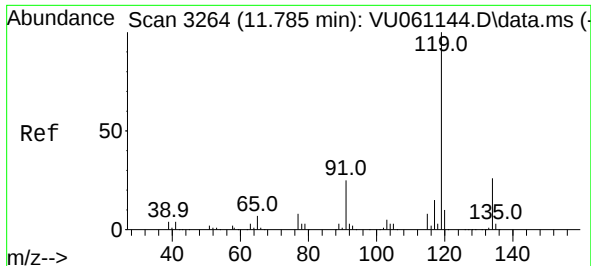
Ion Ratio Lower Upper

77 100

123 42.9 15.6 55.2

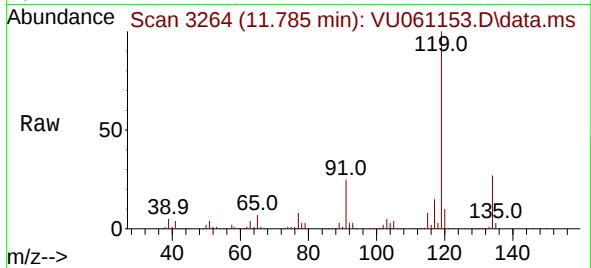
65 16.6 10.7 13.7#



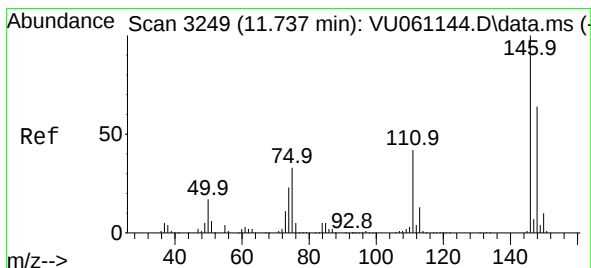
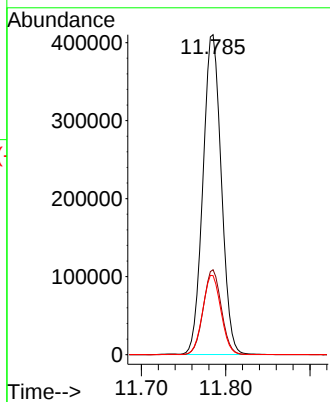
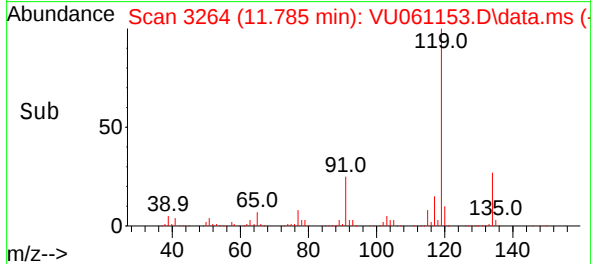


#81  
 p-Isopropyltoluene  
 Concen: 11.002 ug/l  
 RT: 11.785 min Scan# 3264  
 Delta R.T. 0.000 min  
 Lab File: VU061153.D  
 Acq: 17 Oct 2024 19:56

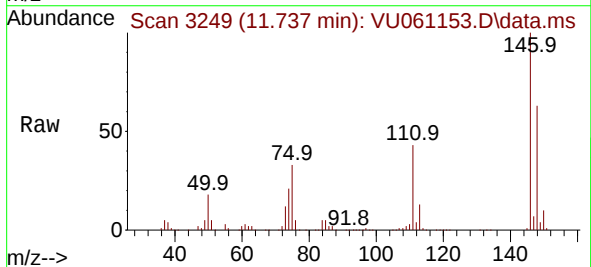
Instrument :  
 MSVOA\_U  
 ClientSampleId :



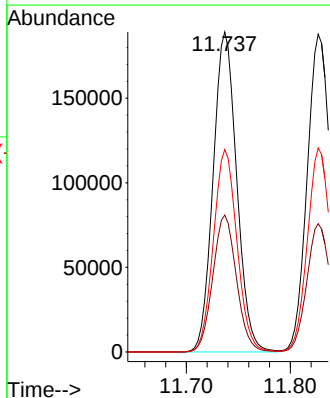
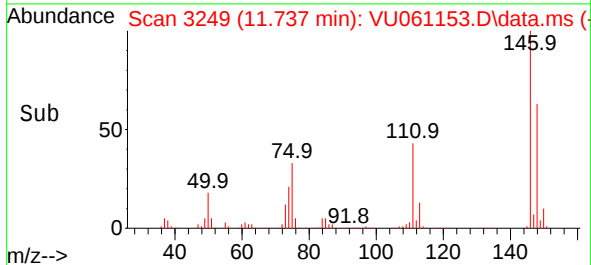
Tgt Ion:119 Resp: 621572  
 Ion Ratio Lower Upper  
 119 100  
 134 26.1 21.0 31.6  
 91 24.7 19.8 29.8

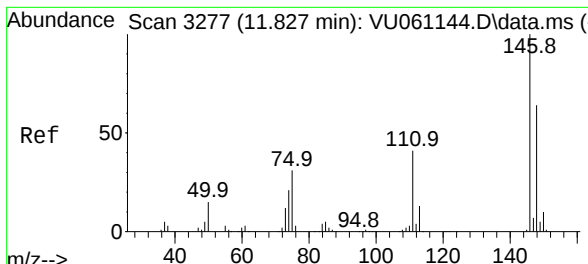


#82  
 1,3-Dichlorobenzene  
 Concen: 11.021 ug/l  
 RT: 11.737 min Scan# 3249  
 Delta R.T. 0.000 min  
 Lab File: VU061153.D  
 Acq: 17 Oct 2024 19:56



Tgt Ion:146 Resp: 298945  
 Ion Ratio Lower Upper  
 146 100  
 111 42.9 34.1 51.1  
 148 63.2 51.2 76.8



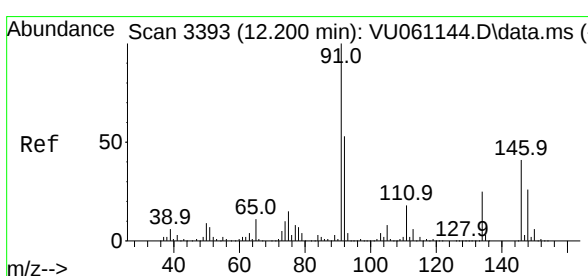
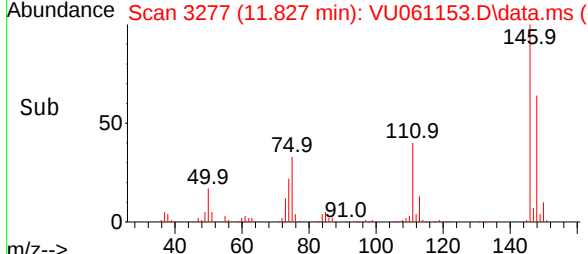
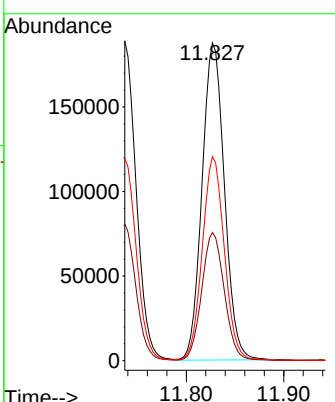
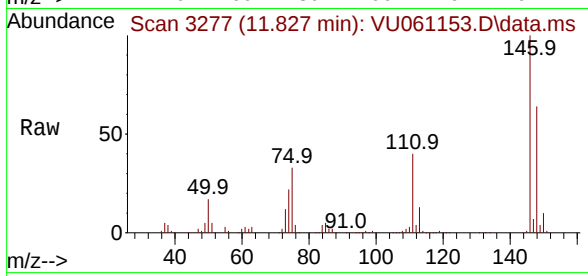


#83  
 1,4-Dichlorobenzene  
 Concen: 11.053 ug/l  
 RT: 11.827 min Scan# 3277  
 Delta R.T. 0.000 min  
 Lab File: VU061153.D  
 Acq: 17 Oct 2024 19:56

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Tgt Ion:146 Resp: 298934

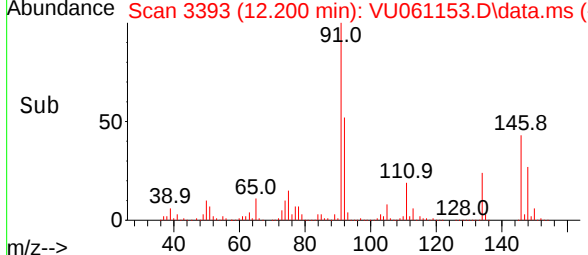
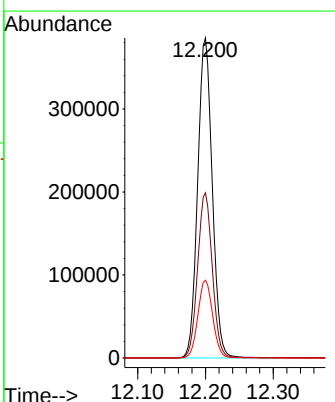
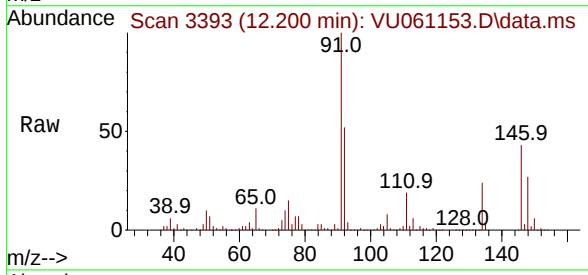
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 111 | 40.7  | 32.1  | 48.1  |
| 148 | 64.1  | 50.3  | 75.5  |

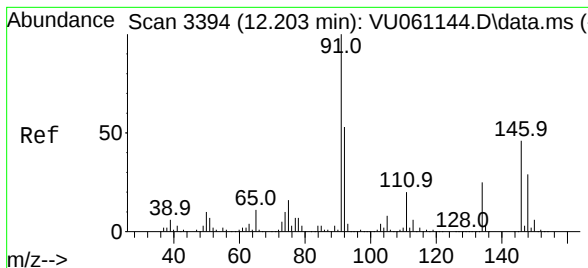


#84  
 n-Butylbenzene  
 Concen: 10.998 ug/l  
 RT: 12.200 min Scan# 3393  
 Delta R.T. 0.000 min  
 Lab File: VU061153.D  
 Acq: 17 Oct 2024 19:56

Tgt Ion: 91 Resp: 576455

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 91  | 100   |       |       |
| 92  | 52.0  | 41.8  | 62.8  |
| 134 | 24.6  | 19.7  | 29.5  |





#85

1,2-Dichlorobenzene

Concen: 11.074 ug/l

RT: 12.203 min Scan# 3394

Delta R.T. 0.000 min

Lab File: VU061153.D

Acq: 17 Oct 2024 19:56

Instrument :

MSVOA\_U

ClientSampleId :

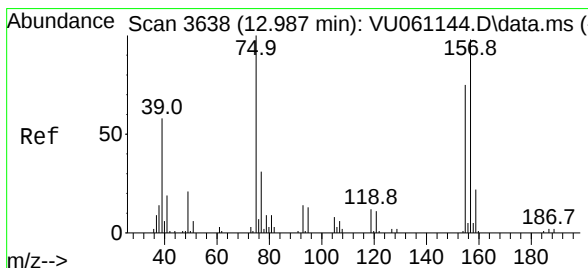
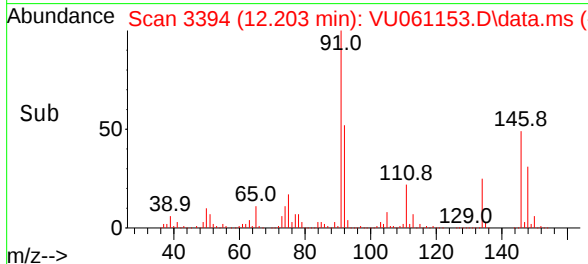
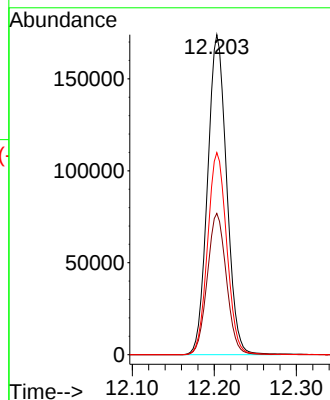
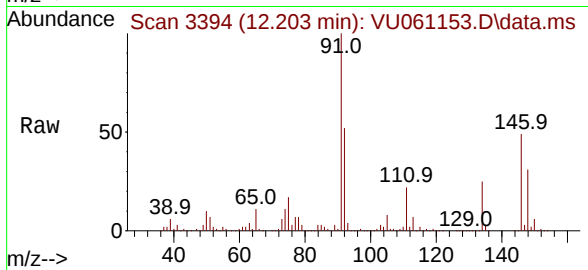
Tgt Ion:146 Resp: 280825

Ion Ratio Lower Upper

146 100

111 44.2 21.9 65.7

148 63.6 31.9 95.5



#86

1,2-Dibromo-3-Chloropropane

Concen: 12.371 ug/l

RT: 12.988 min Scan# 3638

Delta R.T. 0.000 min

Lab File: VU061153.D

Acq: 17 Oct 2024 19:56

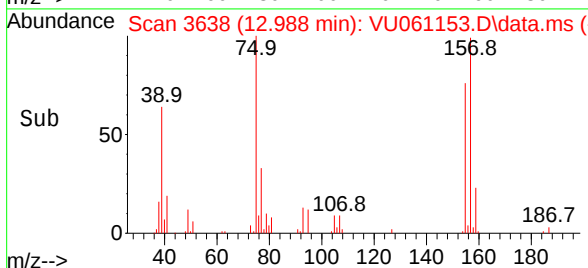
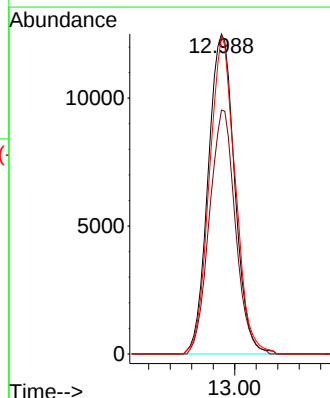
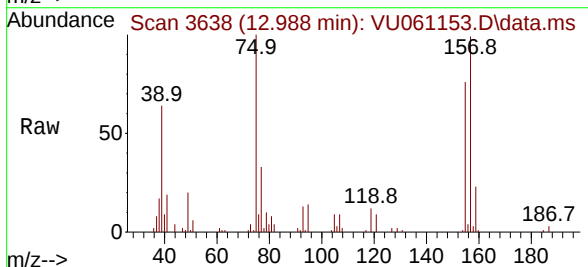
Tgt Ion: 75 Resp: 21357

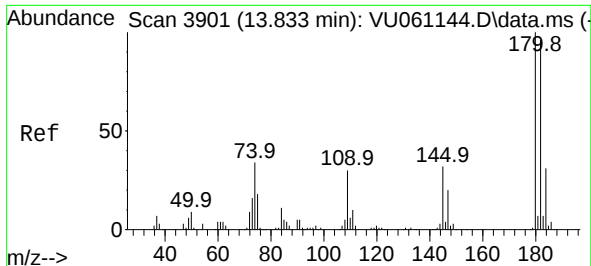
Ion Ratio Lower Upper

75 100

155 74.8 61.4 92.0

157 97.0 78.5 117.7





#87

1,2,4-Trichlorobenzene

Concen: 11.531 ug/l

RT: 13.830 min Scan# 3901

Delta R.T. -0.003 min

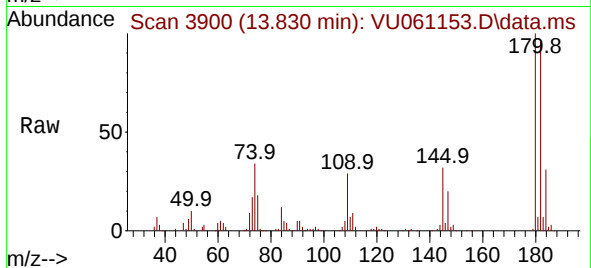
Lab File: VU061153.D

Acq: 17 Oct 2024 19:56

Instrument :

MSVOA\_U

ClientSampleId :



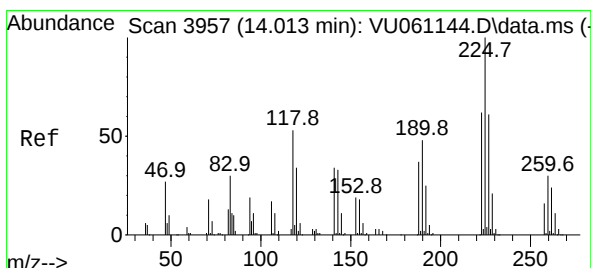
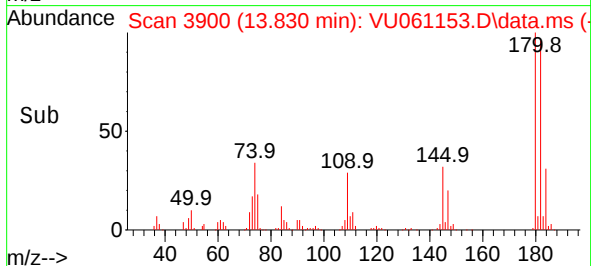
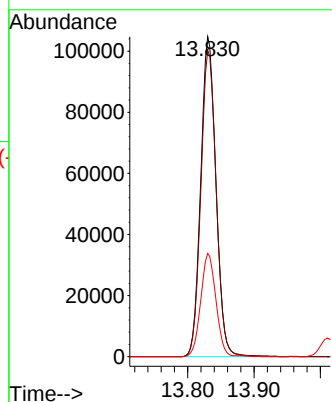
Tgt Ion:180 Resp: 167234

Ion Ratio Lower Upper

180 100

182 96.1 77.0 115.6

145 32.2 25.7 38.5



#88

Hexachlorobutadiene

Concen: 10.809 ug/l

RT: 14.010 min Scan# 3956

Delta R.T. -0.003 min

Lab File: VU061153.D

Acq: 17 Oct 2024 19:56

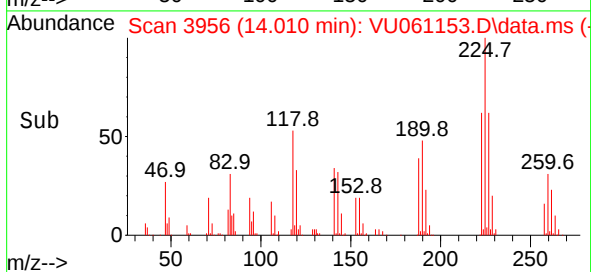
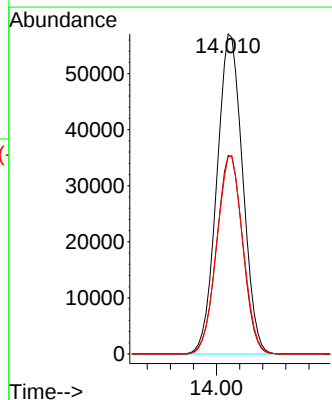
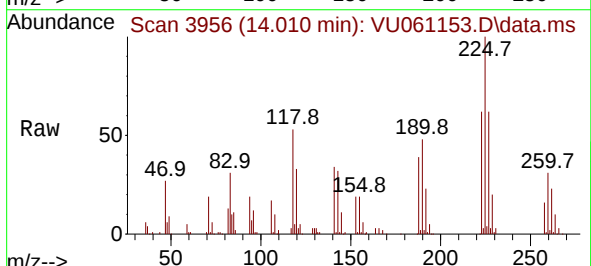
Tgt Ion:225 Resp: 88639

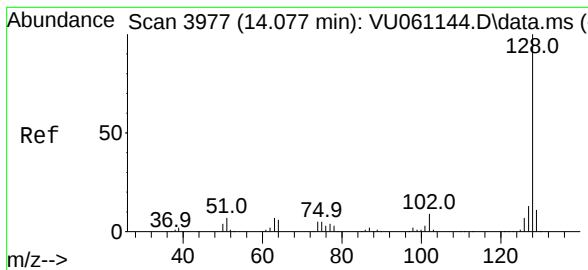
Ion Ratio Lower Upper

225 100

223 62.4 51.4 77.2

227 62.7 50.3 75.5

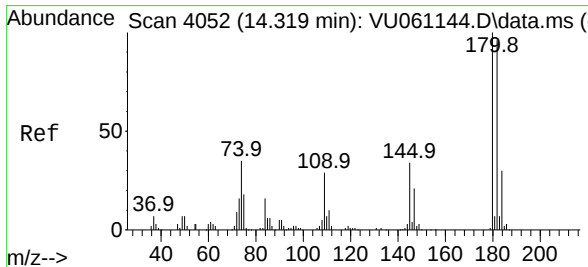
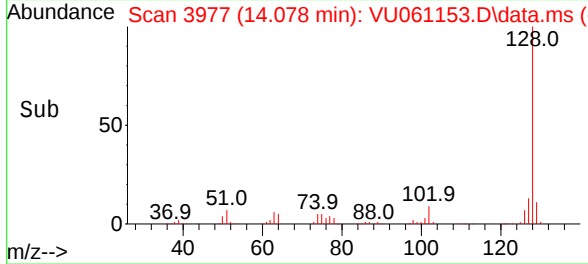
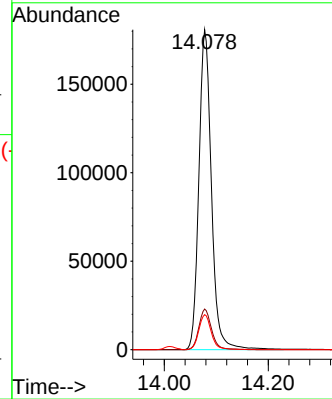
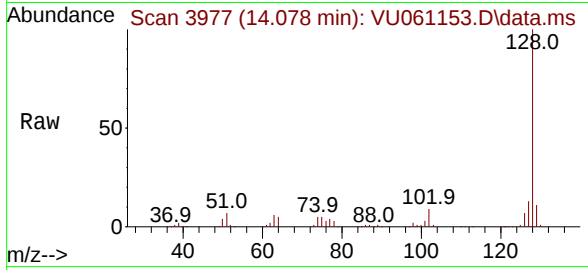




#89  
Naphthalene  
Concen: 11.841 ug/l  
RT: 14.078 min Scan# 3977  
Delta R.T. 0.000 min  
Lab File: VU061153.D  
Acq: 17 Oct 2024 19:56

Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion:128 Resp: 303052  
Ion Ratio Lower Upper  
128 100  
127 12.8 10.6 16.0  
129 10.9 8.7 13.1



#90  
1,2,3-Trichlorobenzene  
Concen: 11.541 ug/l  
RT: 14.319 min Scan# 4052  
Delta R.T. 0.000 min  
Lab File: VU061153.D  
Acq: 17 Oct 2024 19:56

Tgt Ion:180 Resp: 150378  
Ion Ratio Lower Upper  
180 100  
182 95.7 76.2 114.4  
145 33.1 26.8 40.2

