

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU102124\  
 Data File : VU061167.D  
 Acq On : 21 Oct 2024 12:23  
 Operator : MD/SY  
 Sample : VSTDCCC010  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Oct 22 01:14:18 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   | 28805    | 1.000   | ug/l     | # 0.00   |
| System Monitoring Compounds  |        |      |          |         |          |          |
| 57) 4-Bromofluorobenzene     | 10.627 | 95   | 15423    | 1.008   | ug/l     | 0.00     |
| Spiked Amount                | 1.000  |      | Recovery | =       | 101.000% |          |
| 68) 1,2-Dichlorobenzene-d4   | 12.183 | 152  | 15117    | 1.002   | ug/l     | 0.00     |
| Spiked Amount                | 1.000  |      | Recovery | =       | 100.000% |          |
| Target Compounds             |        |      |          |         |          |          |
|                              |        |      |          |         |          | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.383  | 85   | 158433   | 9.986   | ug/l     | 98       |
| 3) Chloromethane             | 1.515  | 50   | 146177   | 9.685   | ug/l     | 99       |
| 4) Vinyl Chloride            | 1.602  | 62   | 153659   | 9.912   | ug/l     | 100      |
| 5) Bromomethane              | 1.856  | 94   | 97420    | 10.001  | ug/l     | 99       |
| 6) Chloroethane              | 1.930  | 64   | 111210   | 10.706  | ug/l     | 99       |
| 7) Trichlorofluoromethane    | 2.132  | 101  | 211201   | 9.578   | ug/l     | 99       |
| 8) 1,1,2-Trichloro-1,2,2-... | 2.576  | 101  | 110689   | 10.096  | ug/l     | 97       |
| 9) 1,1-Dichloroethene        | 2.573  | 96   | 116463   | 10.190  | ug/l     | 99       |
| 10) Iodomethane              | 2.718  | 142  | 139373   | 8.709   | ug/l     | 100      |
| 11) Allyl Chloride           | 2.917  | 41   | 143552   | 9.751   | ug/l     | 98       |
| 12) Acrylonitrile            | 3.319  | 53   | 47284    | 20.571  | ug/l     | 99       |
| 13) Acetone                  | 2.640  | 43   | 163270   | 54.461  | ug/l     | 99       |
| 14) Carbon Disulfide         | 2.788  | 76   | 383075   | 9.728   | ug/l     | 100      |
| 15) Methylene Chloride       | 3.039  | 84   | 132277   | 8.943   | ug/l     | 97       |
| 16) trans-1,2-Dichloroethene | 3.345  | 96   | 131120   | 9.783   | ug/l     | 99       |
| 17) 1,1-Dichloroethane       | 3.859  | 63   | 235338   | 9.903   | ug/l     | 99       |
| 18) 2-Butanone               | 4.705  | 43   | 192100   | 52.333  | ug/l     | 100      |
| 19) Cyclohexane              | 5.380  | 56   | 183970   | 8.642   | ug/l     | 89       |
| 20) Methylcyclohexane        | 6.753  | 83   | 238996   | 10.070  | ug/l     | 99       |
| 21) 2,2-Dichloropropane      | 4.653  | 77   | 210542   | 9.604   | ug/l     | 100      |
| 22) cis-1,2-Dichloroethene   | 4.656  | 96   | 147408   | 10.095  | ug/l     | 99       |
| 23) Diethyl Ether            | 2.370  | 59   | 86375    | 9.726   | ug/l     | 99       |
| 24) tert-Butyl Alcohol       | 3.238  | 59   | 97305    | 105.011 | ug/l     | # 82     |
| 25) Methyl tert-Butyl Ether  | 3.354  | 73   | 307718   | 10.050  | ug/l     | 99       |
| 26) Bromochloromethane       | 4.965  | 128  | 61853    | 10.130  | ug/l     | 96       |
| 27) Chloroform               | 5.078  | 83   | 248032   | 9.953   | ug/l     | 98       |
| 28) 1,1,1-Trichloroethane    | 5.306  | 97   | 219830   | 10.005  | ug/l     | 100      |
| 29) 1,1-Dichloropropene      | 5.518  | 75   | 192752   | 9.924   | ug/l     | 99       |
| 30) Carbon Tetrachloride     | 5.515  | 117  | 194234   | 10.189  | ug/l     | 99       |
| 31) Isopropyl Ether          | 3.981  | 45   | 337396   | 9.951   | ug/l     | 100      |
| 32) Ethyl-t-butyl ether      | 4.489  | 59   | 349368   | 10.022  | ug/l     | 99       |
| 33) Tert-Amyl methyl ether   | 5.930  | 73   | 317106   | 10.107  | ug/l     | 100      |
| 34) Propionitrile            | 4.788  | 54   | 46576    | 53.186  | ug/l     | 98       |
| 35) Benzene                  | 5.766  | 78   | 549529   | 10.050  | ug/l     | 99       |
| 36) 1,2-Dichloroethane       | 5.785  | 62   | 158226   | 10.249  | ug/l     | 100      |
| 37) Trichloroethene          | 6.534  | 130  | 143789   | 9.852   | ug/l     | 99       |
| 38) 1,2-Dichloropropane      | 6.782  | 63   | 141172   | 10.194  | ug/l     | 97       |
| 39) Methacrylonitrile        | 4.965  | 41   | 34882    | 11.060  | ug/l     | 97       |
| 40) Methyl acrylate          | 4.843  | 55   | 63696    | 9.959   | ug/l     | 98       |
| 41) Tetrahydrofuran          | 5.055  | 42   | 36208    | 19.115  | ug/l     | 98       |
| 42) 1-Chlorobutane           | 5.447  | 56   | 247497   | 9.934   | ug/l     | 100      |
| 43) Dibromomethane           | 6.910  | 93   | 72807    | 10.139  | ug/l     | 100      |
| 44) Bromodichloromethane     | 7.097  | 83   | 178507   | 10.222  | ug/l     | 99       |

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 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Oct 22 01:14:18 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

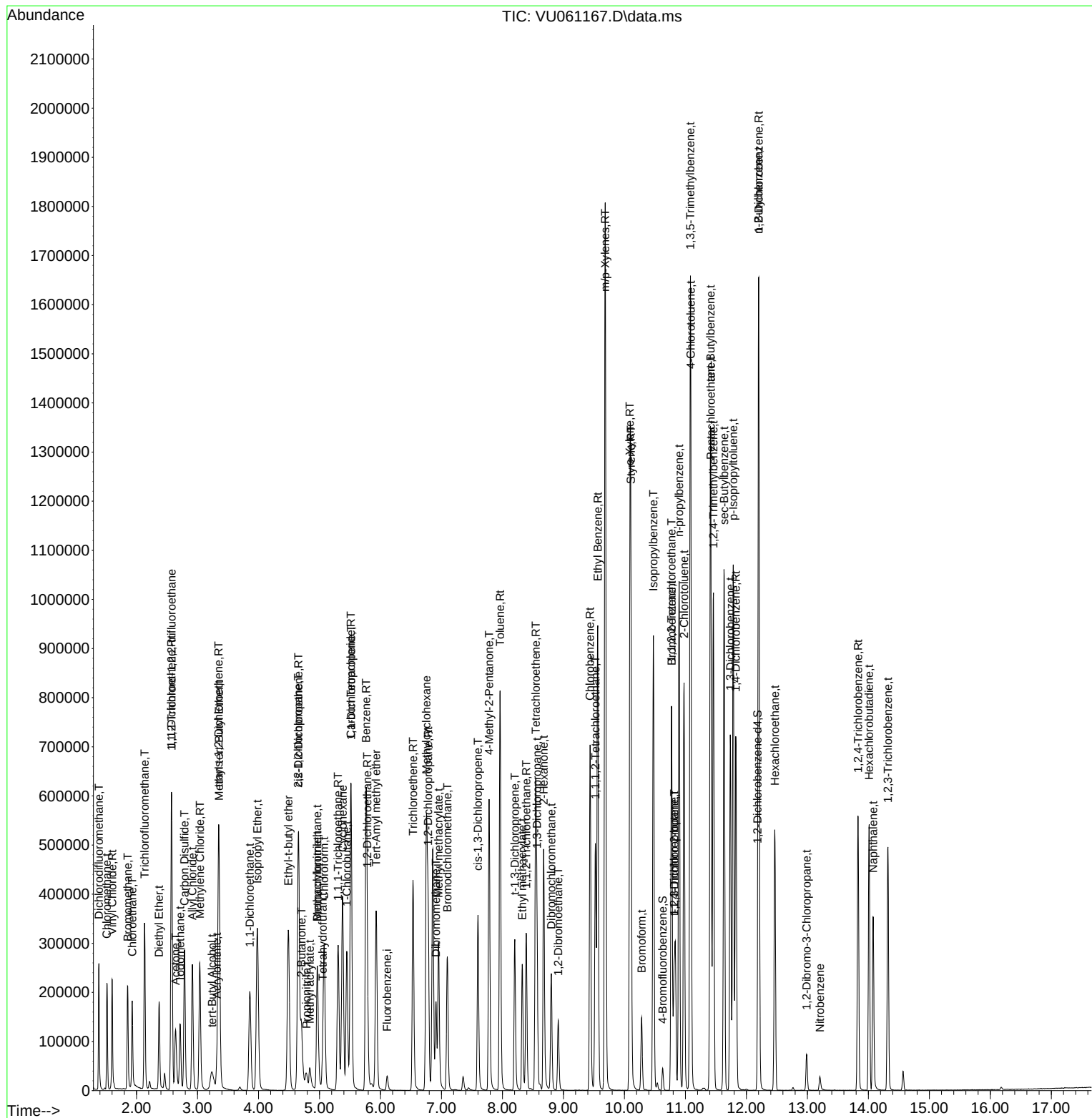
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 45) 4-Methyl-2-Pentanone      | 7.782  | 43   | 365002   | 50.635 | ug/l   | 100      |
| 46) t-1,4-Dichloro-2-butene   | 10.817 | 75   | 162484   | 56.530 | ug/l # | 51       |
| 47) Methyl methacrylate       | 6.952  | 69   | 131645   | 21.094 | ug/l   | 99       |
| 48) Ethyl methacrylate        | 8.325  | 69   | 139132   | 10.455 | ug/l   | 100      |
| 49) Toluene                   | 7.962  | 92   | 353137   | 10.223 | ug/l   | 100      |
| 50) t-1,3-Dichloropropene     | 8.203  | 75   | 177337   | 10.533 | ug/l   | 99       |
| 51) cis-1,3-Dichloropropene   | 7.598  | 75   | 213997   | 10.359 | ug/l   | 99       |
| 52) 1,1,2-Trichloroethane     | 8.389  | 97   | 98489    | 10.170 | ug/l   | 99       |
| 53) 1,3-Dichloropropane       | 8.566  | 76   | 172677   | 10.151 | ug/l   | 98       |
| 54) 2-Hexanone                | 8.675  | 43   | 306036   | 51.680 | ug/l   | 99       |
| 55) Dibromochloromethane      | 8.801  | 129  | 121717   | 10.646 | ug/l   | 99       |
| 56) 1,2-Dibromoethane         | 8.913  | 107  | 94760    | 10.198 | ug/l   | 97       |
| 58) Tetrachloroethene         | 8.547  | 164  | 125261   | 10.122 | ug/l   | 99       |
| 59) Chlorobenzene             | 9.438  | 112  | 381035   | 10.241 | ug/l   | 99       |
| 60) 1,1,1,2-Tetrachloroethane | 9.524  | 131  | 131412   | 10.468 | ug/l   | 99       |
| 61) Pentachloroethane         | 11.418 | 117  | 103824   | 10.808 | ug/l   | 100      |
| 62) Hexachloroethane          | 12.466 | 117  | 108960   | 11.009 | ug/l   | 97       |
| 63) Ethyl Benzene             | 9.563  | 91   | 680625   | 10.211 | ug/l   | 99       |
| 64) m/p-Xylenes               | 9.685  | 106  | 523346   | 20.629 | ug/l   | 100      |
| 65) o-Xylene                  | 10.090 | 106  | 255189   | 10.213 | ug/l   | 99       |
| 66) Styrene                   | 10.106 | 104  | 410079   | 10.552 | ug/l   | 99       |
| 67) Bromoform                 | 10.283 | 173  | 65530    | 10.946 | ug/l   | 99       |
| 69) Isopropylbenzene          | 10.476 | 105  | 612443   | 10.303 | ug/l   | 99       |
| 70) 1,1,2,2-Tetrachloroethane | 10.772 | 83   | 122607   | 10.423 | ug/l   | 100      |
| 71) 1,2,3-Trichloropropane    | 10.817 | 75   | 162484   | 16.961 | ug/l # | 78       |
| 72) Bromobenzene              | 10.775 | 156  | 147387   | 10.312 | ug/l   | 99       |
| 73) n-propylbenzene           | 10.897 | 120  | 184715   | 10.649 | ug/l   | 97       |
| 74) 2-Chlorotoluene           | 10.978 | 126  | 156793   | 10.451 | ug/l   | 99       |
| 75) 1,3,5-Trimethylbenzene    | 11.081 | 105  | 561753   | 10.481 | ug/l   | 100      |
| 76) 4-Chlorotoluene           | 11.090 | 126  | 160002   | 10.493 | ug/l   | 99       |
| 77) tert-Butylbenzene         | 11.412 | 119  | 553233   | 10.443 | ug/l   | 100      |
| 78) 1,2,4-Trimethylbenzene    | 11.460 | 105  | 563619   | 10.416 | ug/l   | 100      |
| 79) sec-Butylbenzene          | 11.634 | 105  | 730245   | 10.584 | ug/l   | 100      |
| 80) Nitrobenzene              | 13.206 | 77   | 15769    | 47.117 | ug/l   | 93       |
| 81) p-Isopropyltoluene        | 11.785 | 119  | 602107   | 10.541 | ug/l   | 99       |
| 82) 1,3-Dichlorobenzene       | 11.736 | 146  | 286667   | 10.454 | ug/l   | 100      |
| 83) 1,4-Dichlorobenzene       | 11.826 | 146  | 290088   | 10.609 | ug/l   | 100      |
| 84) n-Butylbenzene            | 12.199 | 91   | 569735   | 10.751 | ug/l   | 100      |
| 85) 1,2-Dichlorobenzene       | 12.203 | 146  | 271166   | 10.576 | ug/l   | 100      |
| 86) 1,2-Dibromo-3-Chloropr... | 12.987 | 75   | 20017    | 11.468 | ug/l   | 98       |
| 87) 1,2,4-Trichlorobenzene    | 13.833 | 180  | 166753   | 11.373 | ug/l   | 99       |
| 88) Hexachlorobutadiene       | 14.013 | 225  | 91129    | 10.991 | ug/l   | 98       |
| 89) Naphthalene               | 14.080 | 128  | 291407   | 11.262 | ug/l   | 99       |
| 90) 1,2,3-Trichlorobenzene    | 14.322 | 180  | 149091   | 11.318 | ug/l   | 99       |

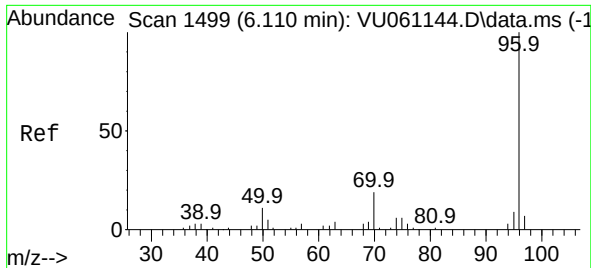
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_U  
ClientSampleId :

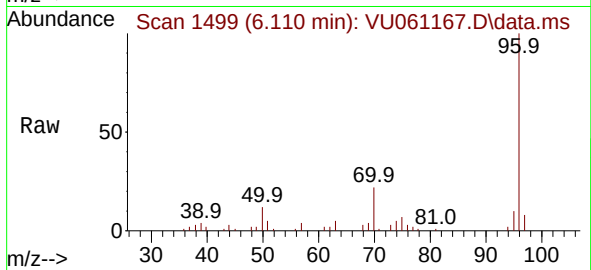
Quant Time: Oct 22 01:14:18 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U101724DW.M  
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
QLast Update : Fri Oct 18 02:52:28 2024  
Response via : Initial Calibration



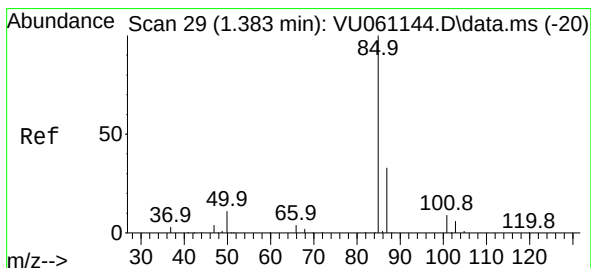
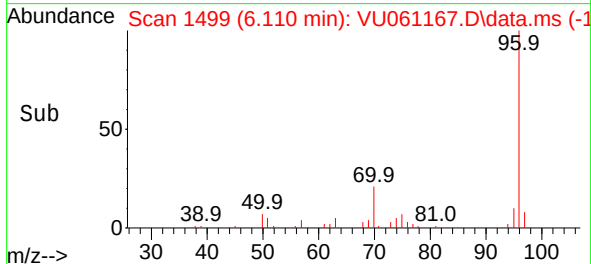
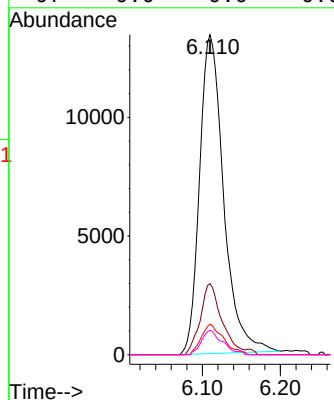


#1  
Fluorobenzene  
Concen: 1.000 ug/l  
RT: 6.110 min Scan# 1499  
Delta R.T. -0.000 min  
Lab File: VU061167.D  
Acq: 21 Oct 2024 12:23

Instrument :  
MSVOA\_U  
ClientSampleId :

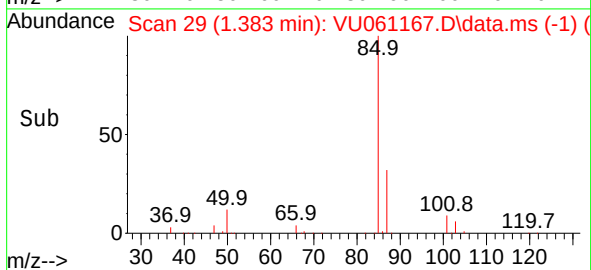
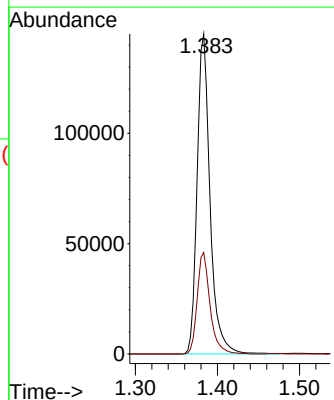
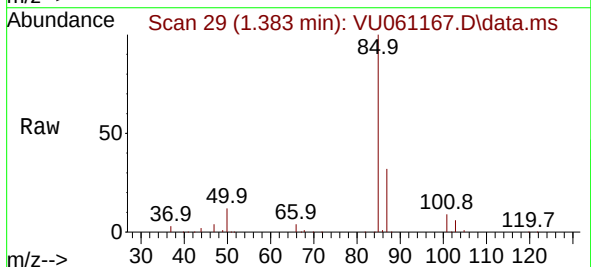


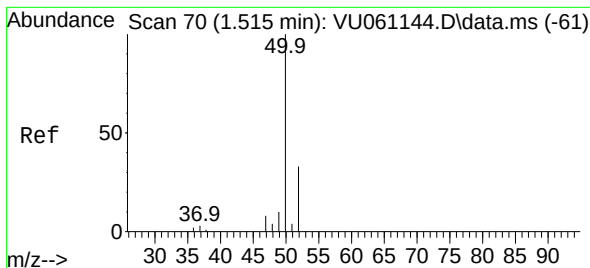
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 28805 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 70       | 18.3  | 16.1  | 24.1  |
| 95       | 0.0   | 0.0   | 0.0   |
| 97       | 0.0   | 0.0   | 0.0   |



#2  
Dichlorodifluoromethane  
Concen: 9.986 ug/l  
RT: 1.383 min Scan# 29  
Delta R.T. -0.000 min  
Lab File: VU061167.D  
Acq: 21 Oct 2024 12:23

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 85    | Resp: | 158433 |
| Ion      | Ratio | Lower | Upper  |
| 85       | 100   |       |        |
| 87       | 31.7  | 16.3  | 48.9   |





#3

Chloromethane

Concen: 9.685 ug/l

RT: 1.515 min Scan# 70

Delta R.T. -0.000 min

Lab File: VU061167.D

Acq: 21 Oct 2024 12:23

Instrument :

MSVOA\_U

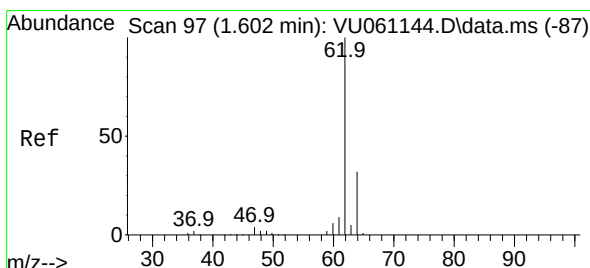
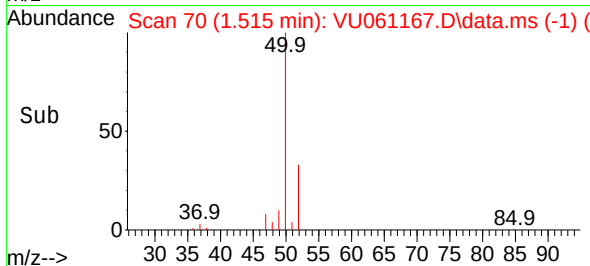
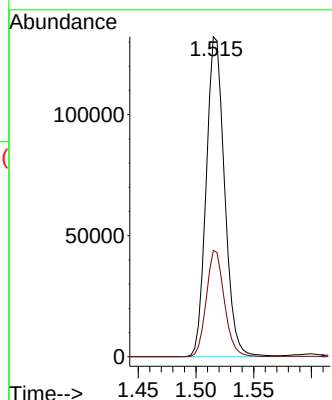
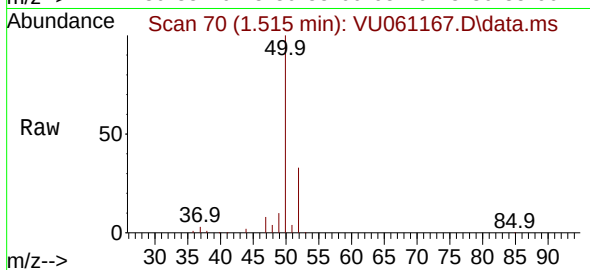
ClientSampleId :

Tgt Ion: 50 Resp: 146177

Ion Ratio Lower Upper

50 100

52 33.2 26.2 39.2



#4

Vinyl Chloride

Concen: 9.912 ug/l

RT: 1.602 min Scan# 97

Delta R.T. -0.000 min

Lab File: VU061167.D

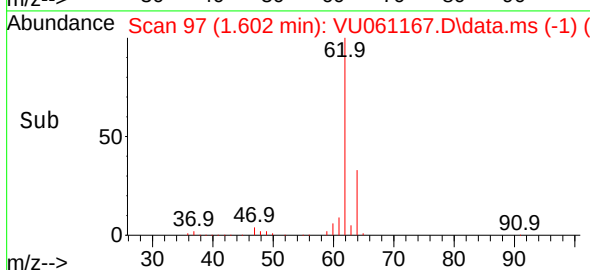
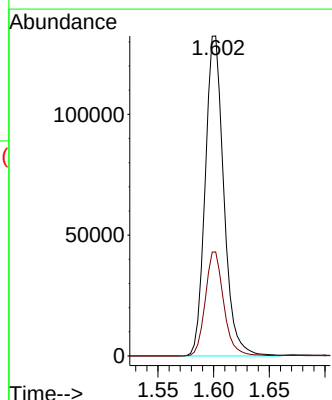
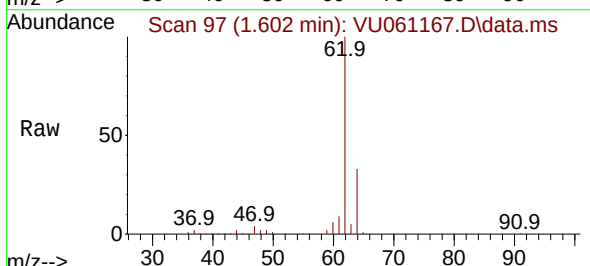
Acq: 21 Oct 2024 12:23

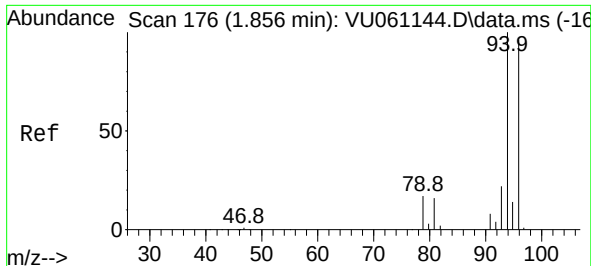
Tgt Ion: 62 Resp: 153659

Ion Ratio Lower Upper

62 100

64 32.5 25.9 38.9

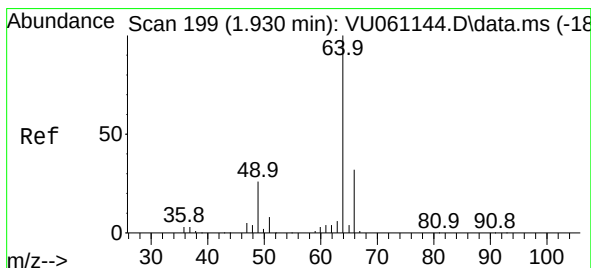
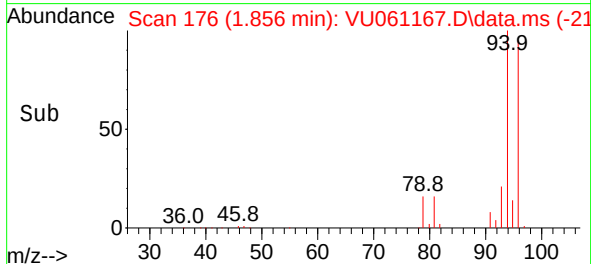
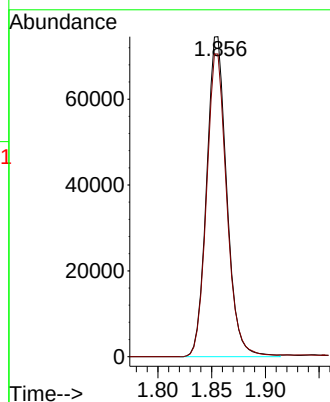
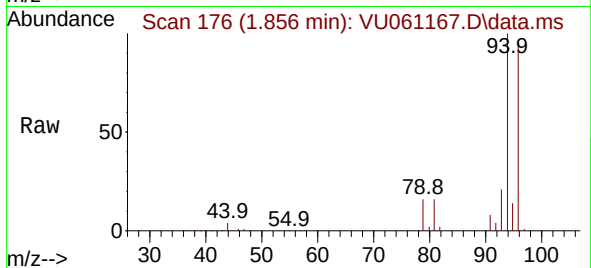




#5  
Bromomethane  
Concen: 10.001 ug/l  
RT: 1.856 min Scan# 176  
Delta R.T. -0.000 min  
Lab File: VU061167.D  
Acq: 21 Oct 2024 12:23

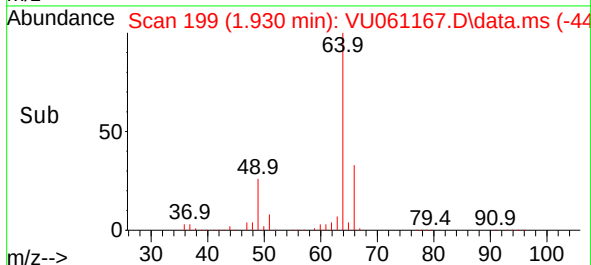
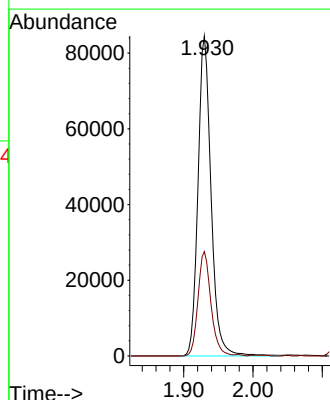
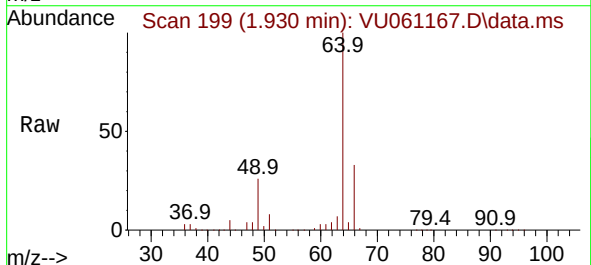
Instrument :  
MSVOA\_U  
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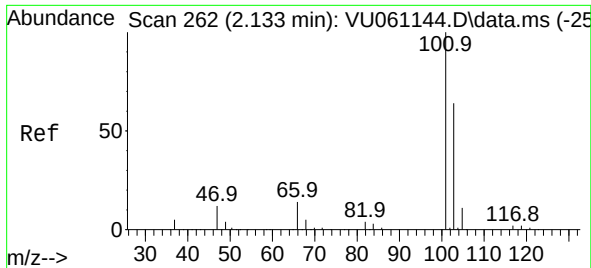
Tgt Ion: 94 Resp: 97420  
Ion Ratio Lower Upper  
94 100  
96 94.6 76.5 114.7



#6  
Chloroethane  
Concen: 10.706 ug/l  
RT: 1.930 min Scan# 199  
Delta R.T. -0.000 min  
Lab File: VU061167.D  
Acq: 21 Oct 2024 12:23

Tgt Ion: 64 Resp: 111210  
Ion Ratio Lower Upper  
64 100  
66 32.6 25.8 38.8

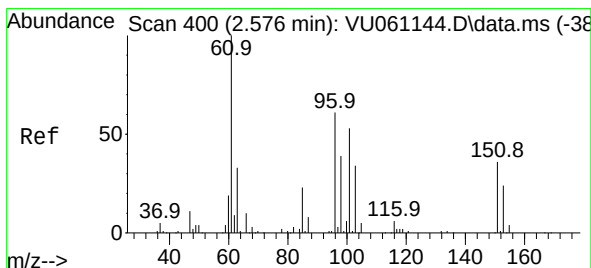
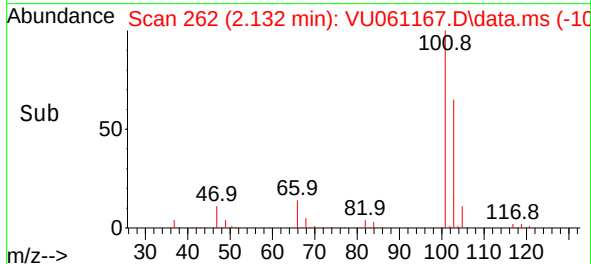
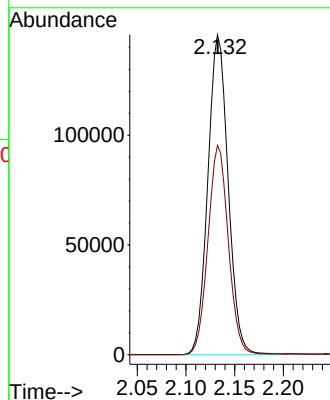
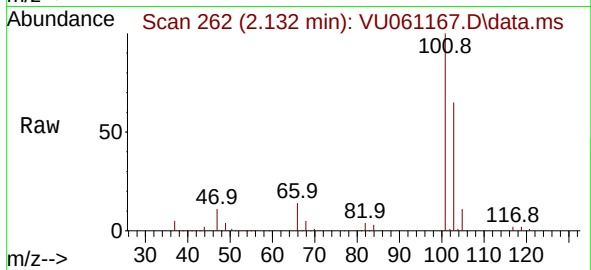




#7  
 Trichlorofluoromethane  
 Concen: 9.578 ug/l  
 RT: 2.132 min Scan# 211  
 Delta R.T. -0.000 min  
 Lab File: VU061167.D  
 Acq: 21 Oct 2024 12:23

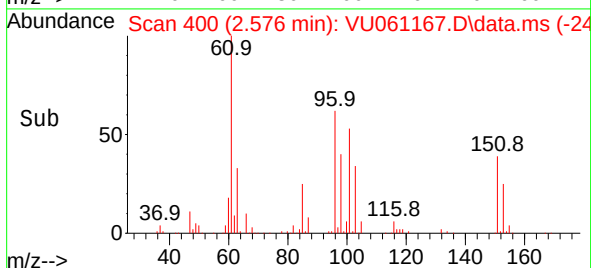
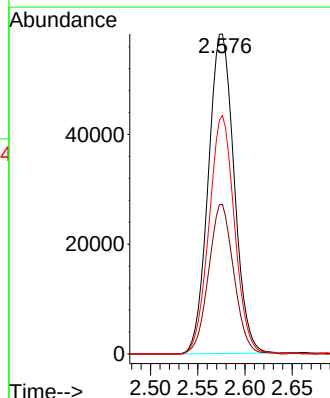
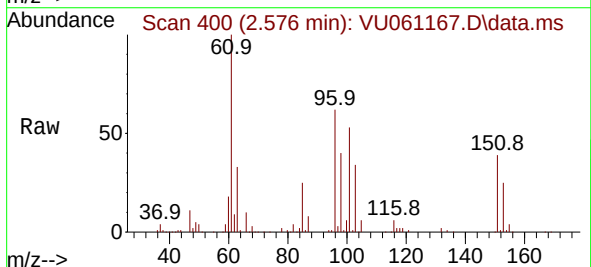
Instrument :  
 MSVOA\_U  
 ClientSampleId :

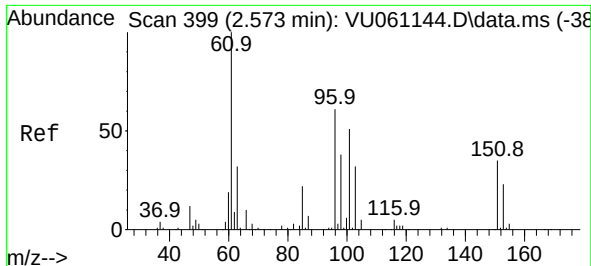
Tgt Ion:101 Resp: 211201  
 Ion Ratio Lower Upper  
 101 100  
 103 65.4 51.5 77.3



#8  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 10.096 ug/l  
 RT: 2.576 min Scan# 400  
 Delta R.T. -0.000 min  
 Lab File: VU061167.D  
 Acq: 21 Oct 2024 12:23

Tgt Ion:101 Resp: 110689  
 Ion Ratio Lower Upper  
 101 100  
 85 45.7 35.8 53.8  
 151 73.3 56.2 84.4

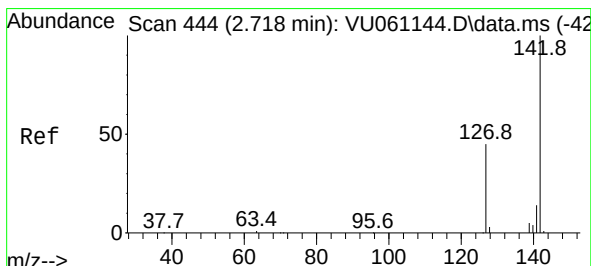
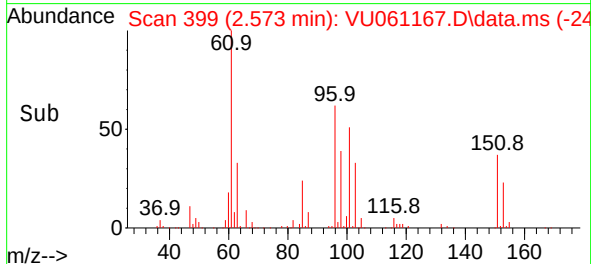
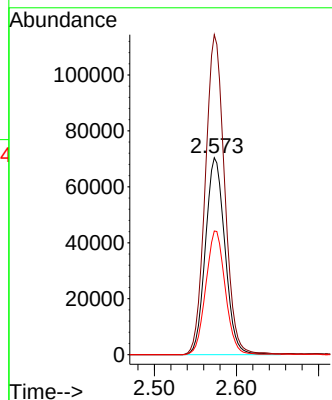
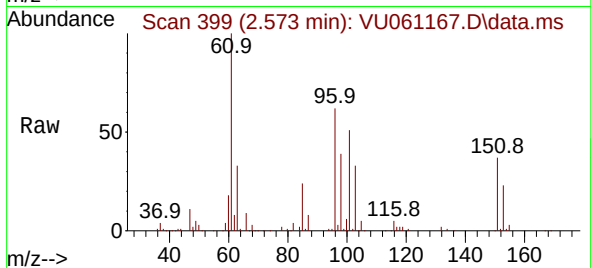




#9  
1,1-Dichloroethene  
Concen: 10.190 ug/l  
RT: 2.573 min Scan# 399  
Delta R.T. -0.000 min  
Lab File: VU061167.D  
Acq: 21 Oct 2024 12:23

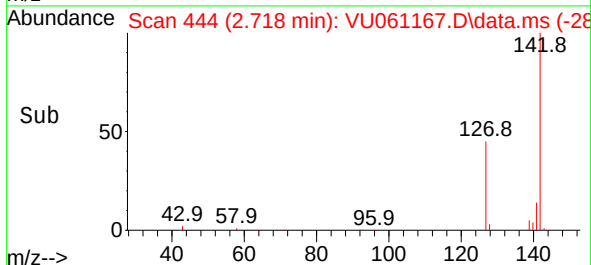
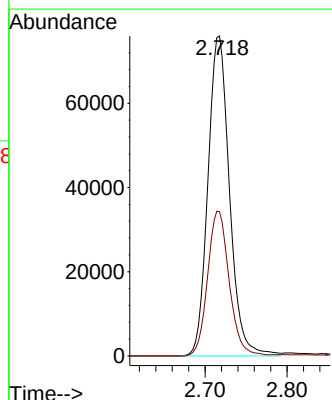
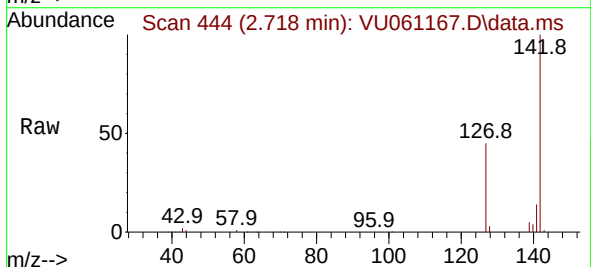
Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion: 96 Resp: 116463  
Ion Ratio Lower Upper  
96 100  
61 162.5 0.0 494.4  
98 62.8 0.0 124.4

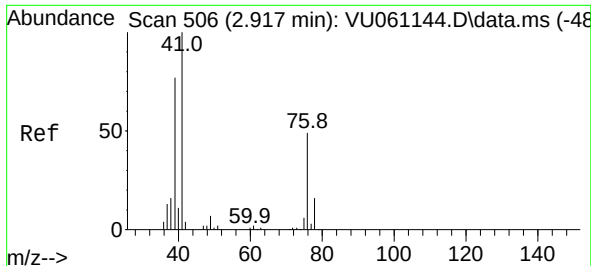


#10  
Iodomethane  
Concen: 8.709 ug/l  
RT: 2.718 min Scan# 444  
Delta R.T. -0.000 min  
Lab File: VU061167.D  
Acq: 21 Oct 2024 12:23

Tgt Ion:142 Resp: 139373  
Ion Ratio Lower Upper  
142 100  
127 45.2 36.2 54.4







#11

Allyl Chloride

Concen: 9.751 ug/l

RT: 2.917 min Scan# 506

Delta R.T. -0.000 min

Lab File: VU061167.D

Acq: 21 Oct 2024 12:23

Instrument :

MSVOA\_U

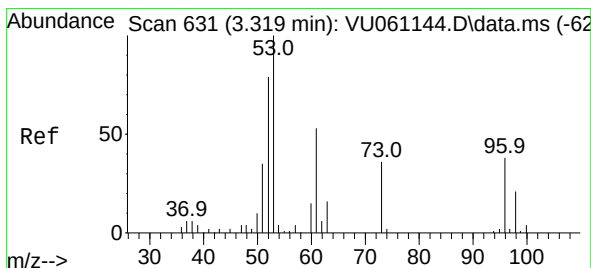
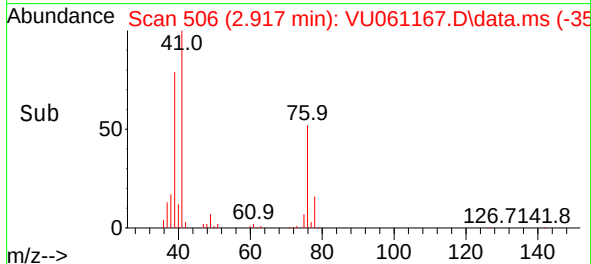
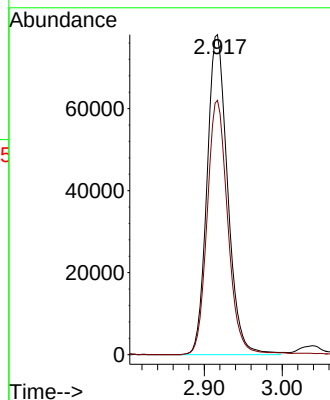
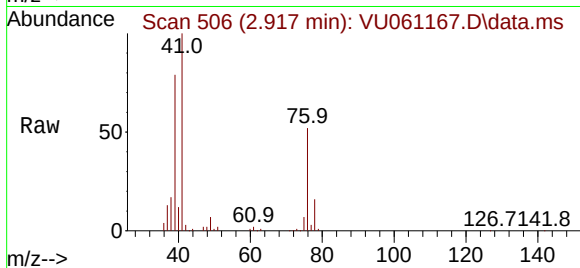
ClientSampleId :

Tgt Ion: 41 Resp: 143552

Ion Ratio Lower Upper

41 100

39 79.7 62.4 93.6



#12

Acrylonitrile

Concen: 20.571 ug/l

RT: 3.319 min Scan# 631

Delta R.T. -0.000 min

Lab File: VU061167.D

Acq: 21 Oct 2024 12:23

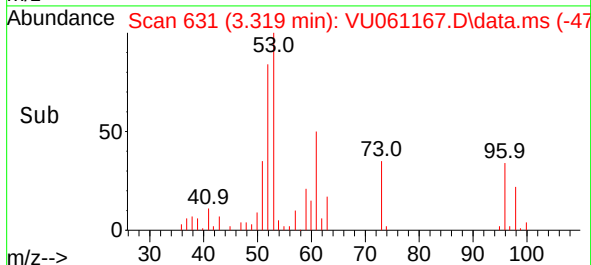
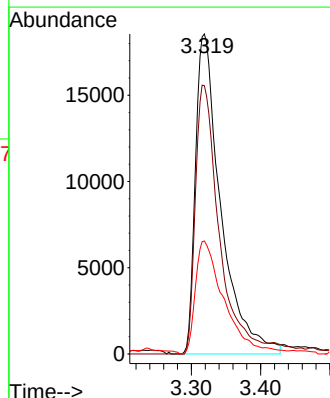
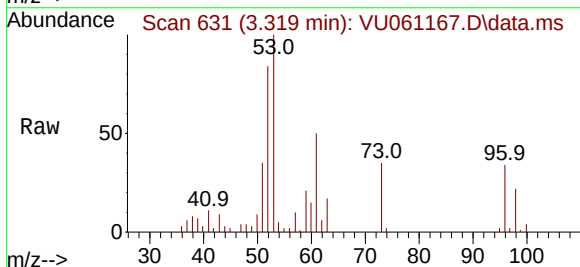
Tgt Ion: 53 Resp: 47284

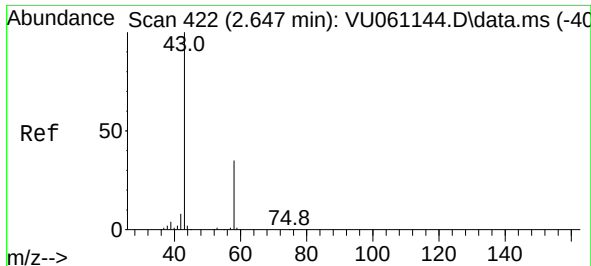
Ion Ratio Lower Upper

53 100

52 78.4 62.6 94.0

51 39.9 30.7 46.1

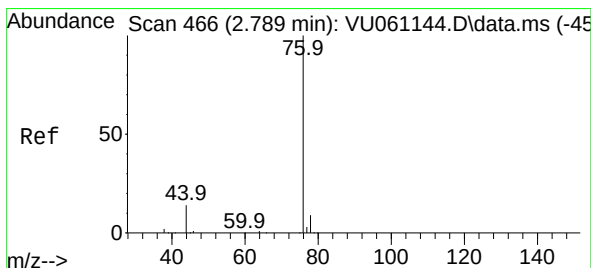
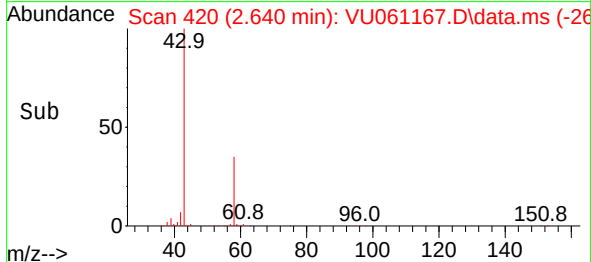
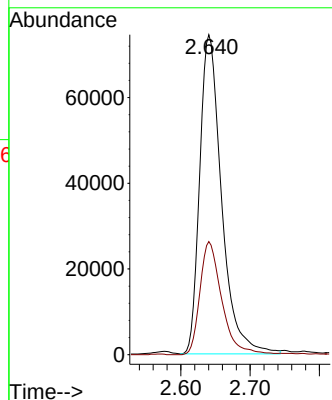
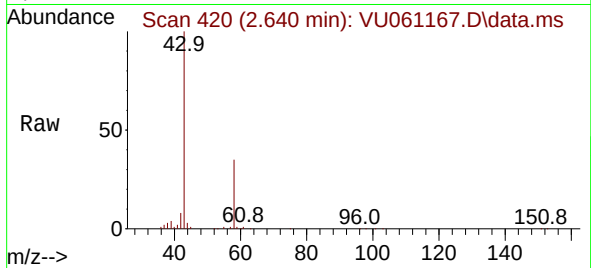




#13  
Acetone  
Concen: 54.461 ug/l  
RT: 2.640 min Scan# 41  
Delta R.T. -0.007 min  
Lab File: VU061167.D  
Acq: 21 Oct 2024 12:23

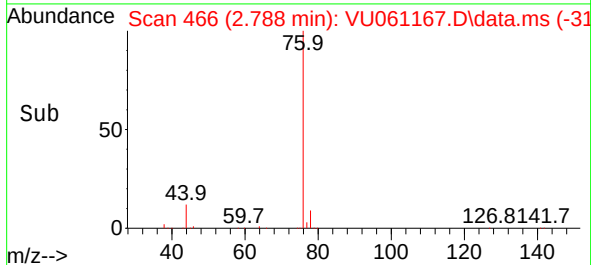
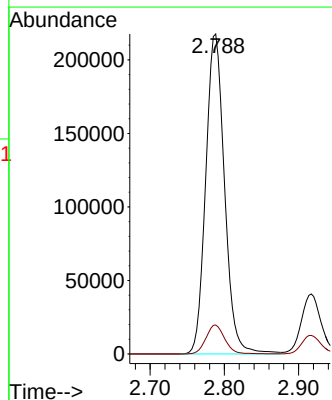
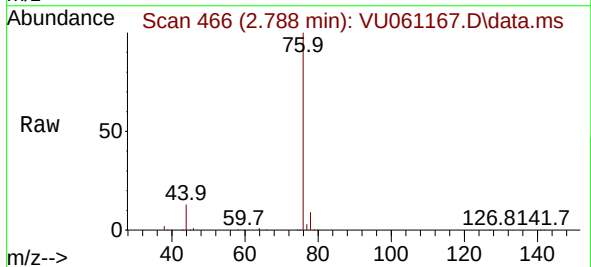
Instrument :  
MSVOA\_U  
ClientSampleId :

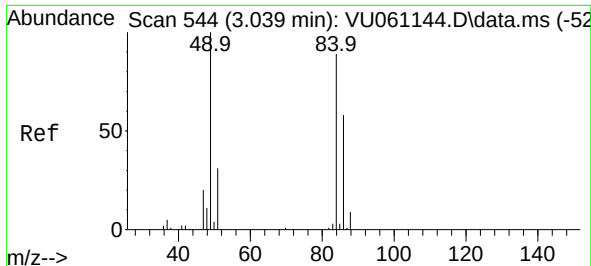
Tgt Ion: 43 Resp: 163270  
Ion Ratio Lower Upper  
43 100  
58 35.5 27.9 41.9



#14  
Carbon Disulfide  
Concen: 9.728 ug/l  
RT: 2.788 min Scan# 466  
Delta R.T. -0.000 min  
Lab File: VU061167.D  
Acq: 21 Oct 2024 12:23

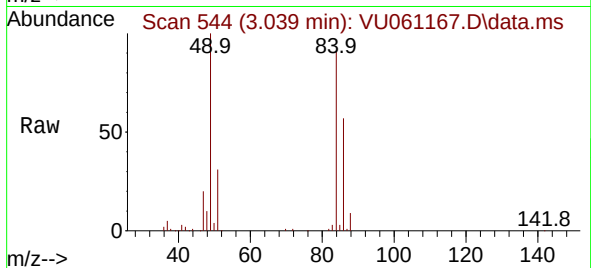
Tgt Ion: 76 Resp: 383075  
Ion Ratio Lower Upper  
76 100  
78 9.1 7.4 11.0





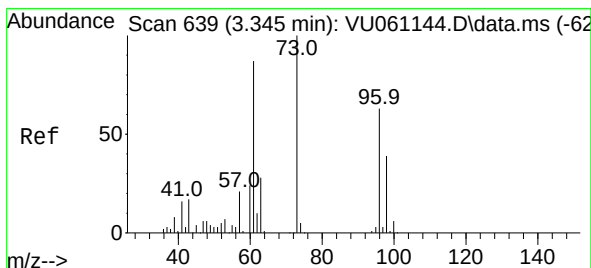
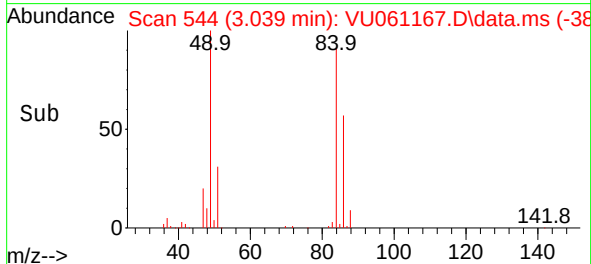
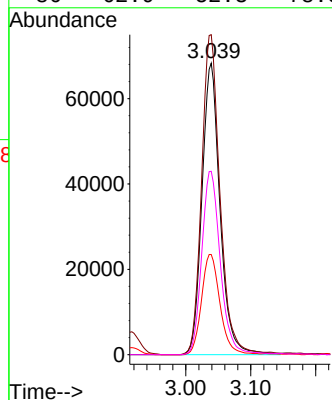
#15  
Methylene Chloride  
Concen: 8.943 ug/l  
RT: 3.039 min Scan# 544  
Delta R.T. -0.000 min  
Lab File: VU061167.D  
Acq: 21 Oct 2024 12:23

Instrument :  
MSVOA\_U  
ClientSampleId :



Tgt Ion: 84 Resp: 132277

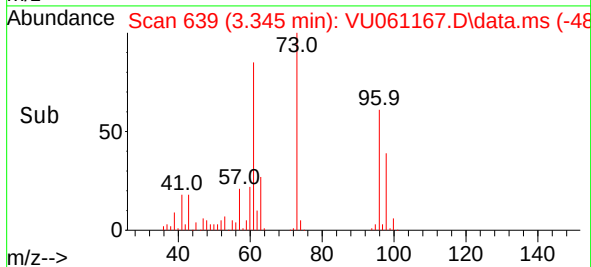
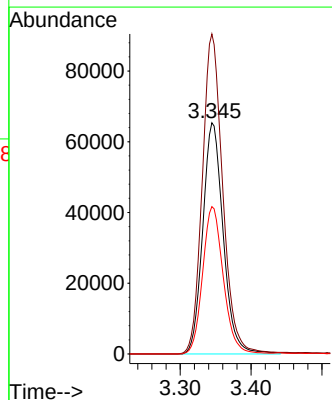
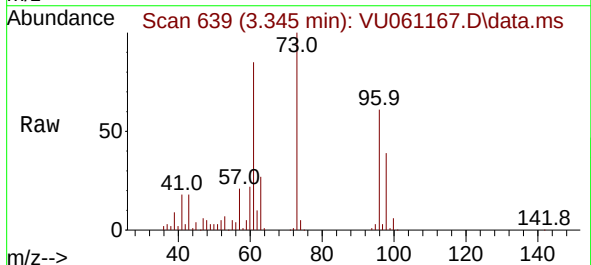
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 109.8 | 90.4  | 135.6 |
| 51  | 34.4  | 0.0   | 70.6  |
| 86  | 62.9  | 52.3  | 78.5  |

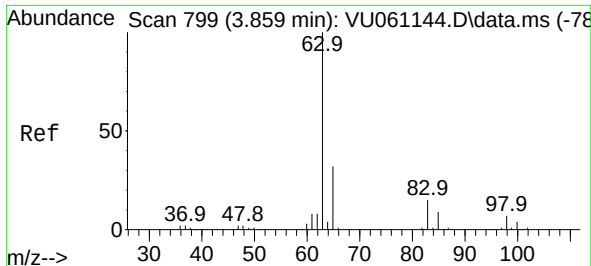


#16  
trans-1,2-Dichloroethene  
Concen: 9.783 ug/l  
RT: 3.345 min Scan# 639  
Delta R.T. -0.000 min  
Lab File: VU061167.D  
Acq: 21 Oct 2024 12:23

Tgt Ion: 96 Resp: 131120

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 138.2 | 110.6 | 166.0 |
| 98  | 63.8  | 49.8  | 74.8  |

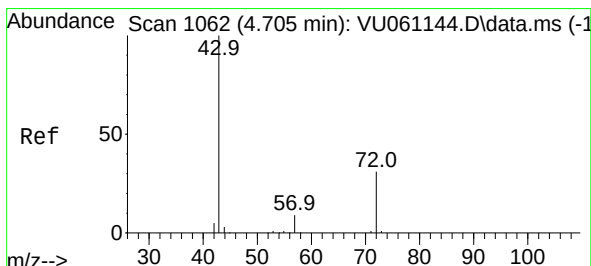
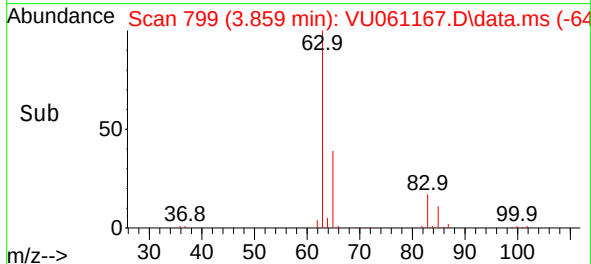
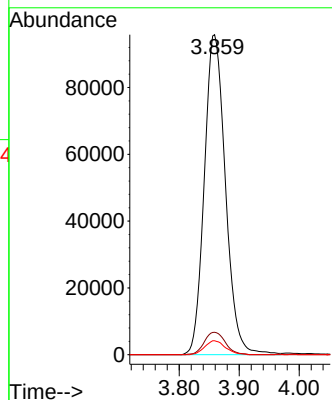
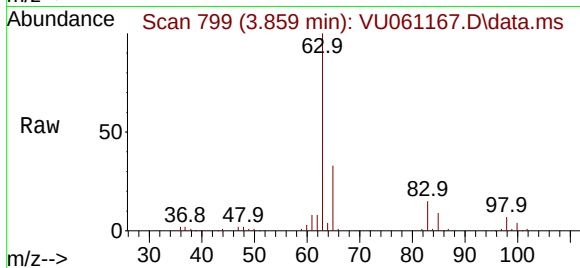




#17  
1,1-Dichloroethane  
Concen: 9.903 ug/l  
RT: 3.859 min Scan# 799  
Delta R.T. -0.000 min  
Lab File: VU061167.D  
Acq: 21 Oct 2024 12:23

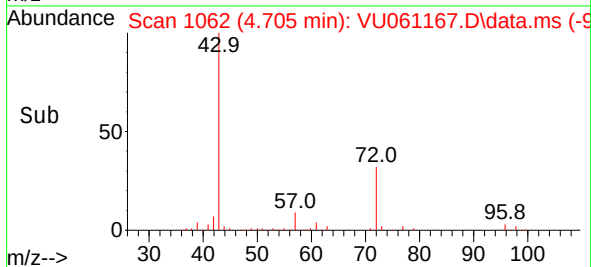
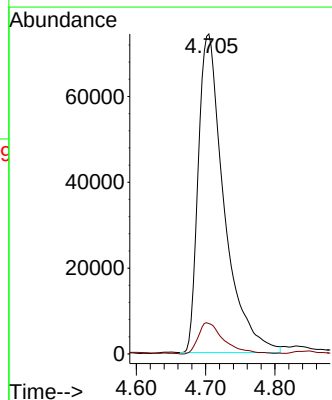
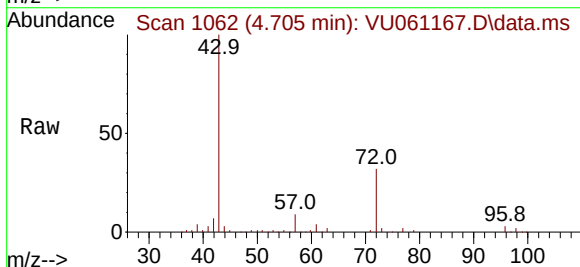
Instrument :  
MSVOA\_U  
ClientSampleId :

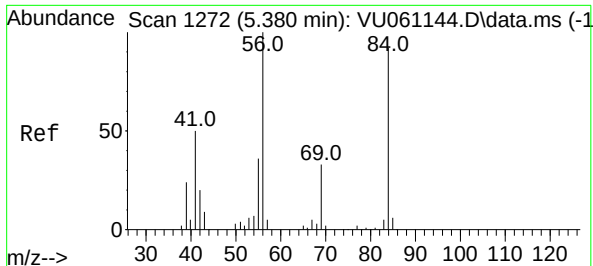
Tgt Ion: 63 Resp: 235338  
Ion Ratio Lower Upper  
63 100  
98 7.0 3.3 9.8  
100 4.4 2.1 6.5



#18  
2-Butanone  
Concen: 52.333 ug/l  
RT: 4.705 min Scan# 1062  
Delta R.T. -0.000 min  
Lab File: VU061167.D  
Acq: 21 Oct 2024 12:23

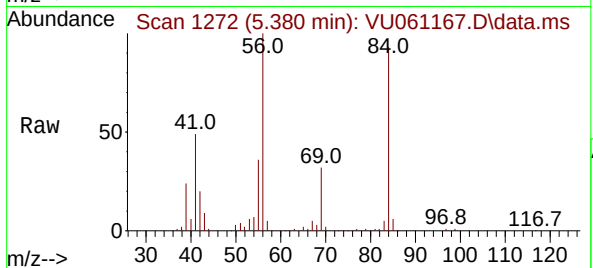
Tgt Ion: 43 Resp: 192100  
Ion Ratio Lower Upper  
43 100  
57 9.5 0.0 19.0



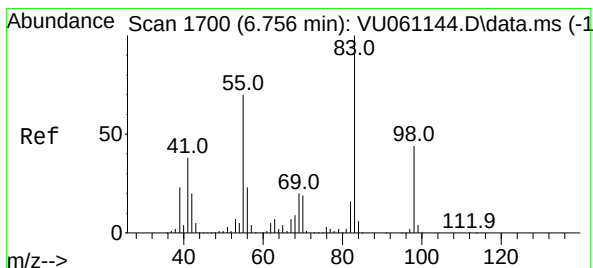
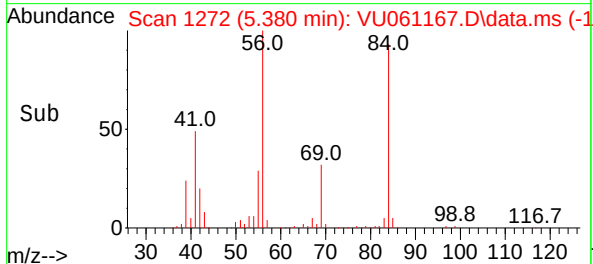
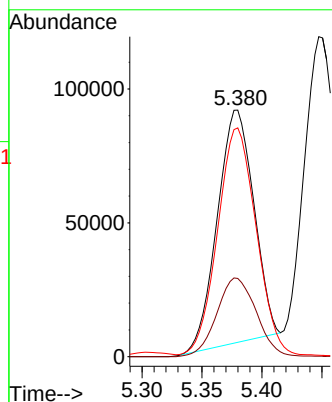


#19  
Cyclohexane  
Concen: 8.642 ug/l  
RT: 5.380 min Scan# 1699  
Delta R.T. -0.000 min  
Lab File: VU061167.D  
Acq: 21 Oct 2024 12:23

Instrument :  
MSVOA\_U  
ClientSampleId :

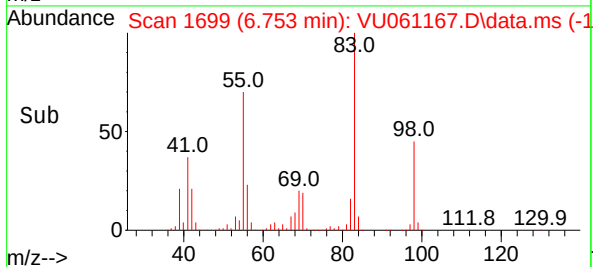
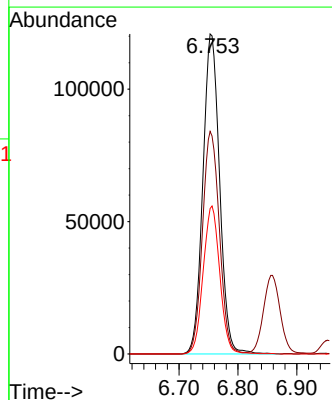
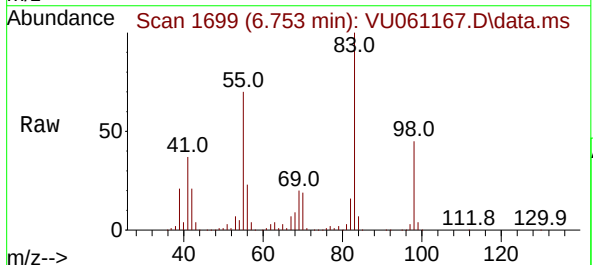


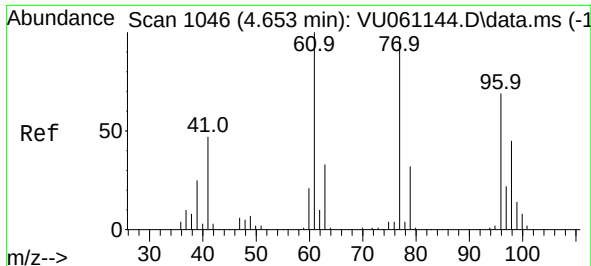
Tgt Ion: 56 Resp: 183970  
Ion Ratio Lower Upper  
56 100  
69 36.8 26.2 39.4  
84 103.2 72.7 109.1



#20  
Methylcyclohexane  
Concen: 10.070 ug/l  
RT: 6.753 min Scan# 1699  
Delta R.T. -0.003 min  
Lab File: VU061167.D  
Acq: 21 Oct 2024 12:23

Tgt Ion: 83 Resp: 238996  
Ion Ratio Lower Upper  
83 100  
55 69.6 55.5 83.3  
98 45.8 35.8 53.6

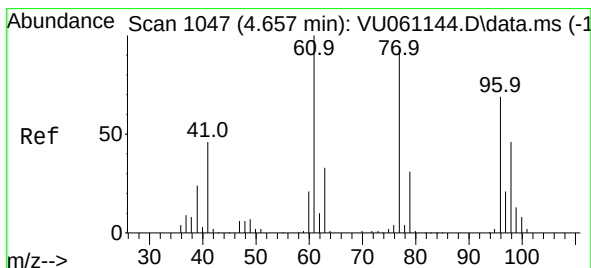
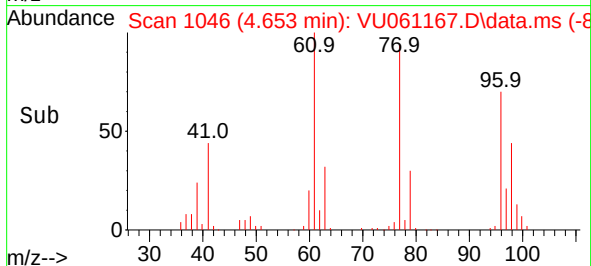
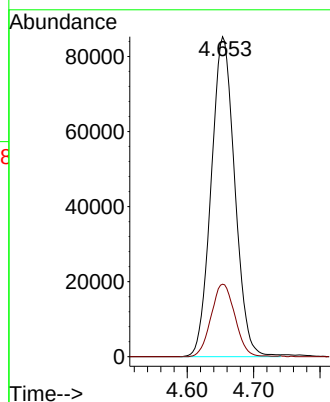
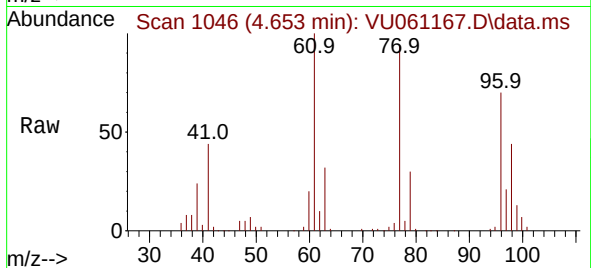




#21  
2,2-Dichloropropane  
Concen: 9.604 ug/l  
RT: 4.653 min Scan# 1046  
Delta R.T. -0.000 min  
Lab File: VU061167.D  
Acq: 21 Oct 2024 12:23

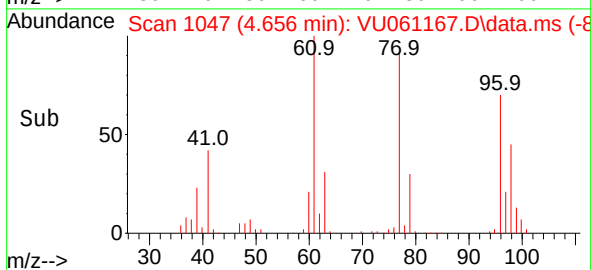
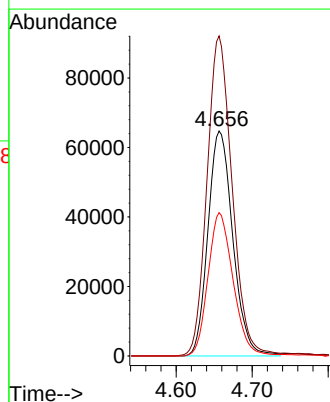
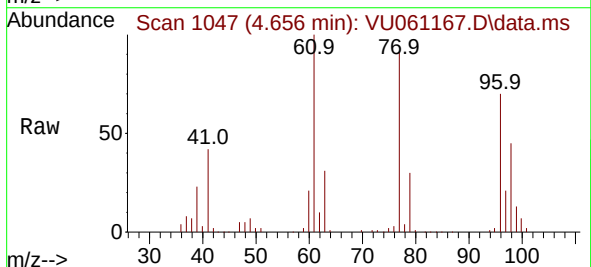
Instrument :  
MSVOA\_U  
ClientSampleId :

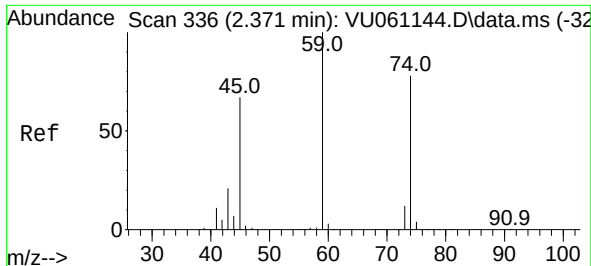
Tgt Ion: 77 Resp: 210542  
Ion Ratio Lower Upper  
77 100  
97 23.0 18.3 27.5



#22  
cis-1,2-Dichloroethene  
Concen: 10.095 ug/l  
RT: 4.656 min Scan# 1047  
Delta R.T. -0.000 min  
Lab File: VU061167.D  
Acq: 21 Oct 2024 12:23

Tgt Ion: 96 Resp: 147408  
Ion Ratio Lower Upper  
96 100  
61 144.0 0.0 364.8  
98 64.0 32.1 96.3





#23

Diethyl Ether

Concen: 9.726 ug/l

RT: 2.370 min Scan# 30

Delta R.T. -0.000 min

Lab File: VU061167.D

Acq: 21 Oct 2024 12:23

Instrument :

MSVOA\_U

ClientSampleId :

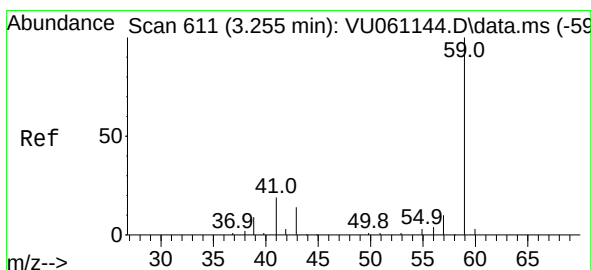
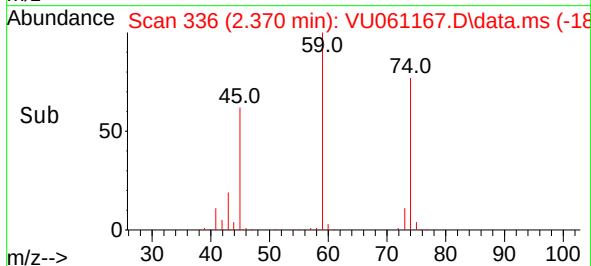
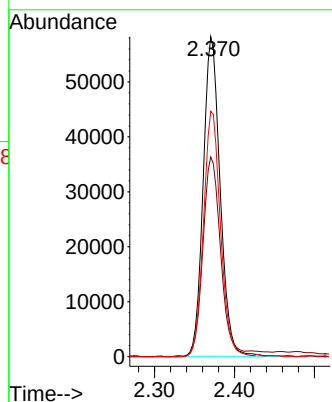
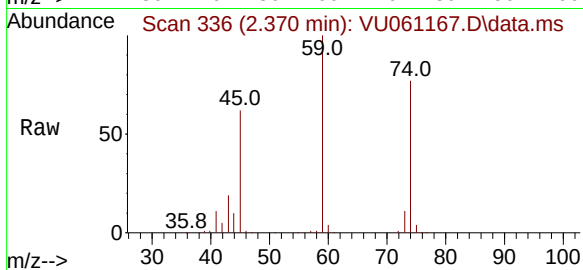
Tgt Ion: 59 Resp: 86375

Ion Ratio Lower Upper

59 100

45 64.4 52.0 78.0

74 76.7 62.2 93.2



#24

tert-Butyl Alcohol

Concen: 105.011 ug/l

RT: 3.238 min Scan# 606

Delta R.T. -0.016 min

Lab File: VU061167.D

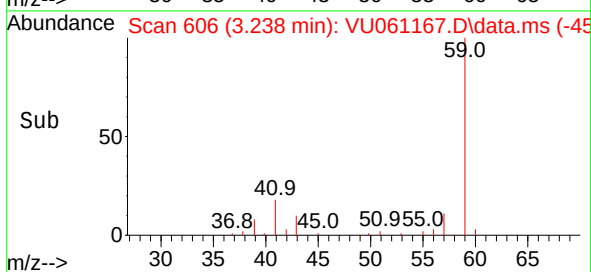
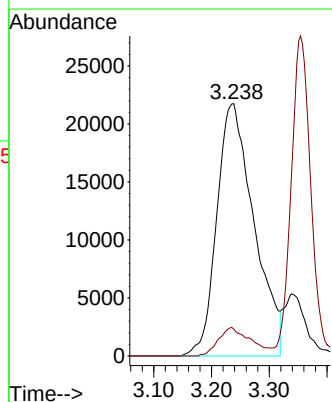
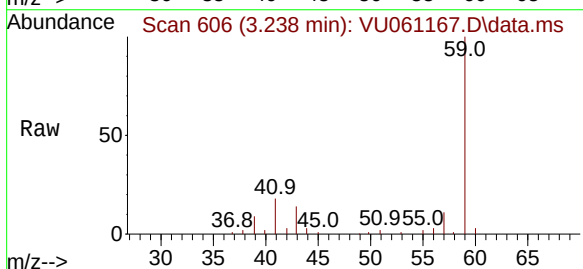
Acq: 21 Oct 2024 12:23

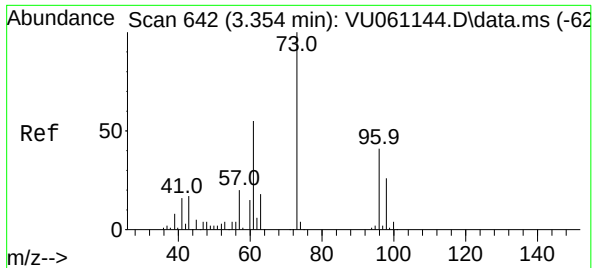
Tgt Ion: 59 Resp: 97305

Ion Ratio Lower Upper

59 100

57 10.0 3.2 4.8#





#25

Methyl tert-Butyl Ether

Concen: 10.050 ug/l

RT: 3.354 min Scan# 642

Delta R.T. -0.000 min

Lab File: VU061167.D

Acq: 21 Oct 2024 12:23

Instrument :

MSVOA\_U

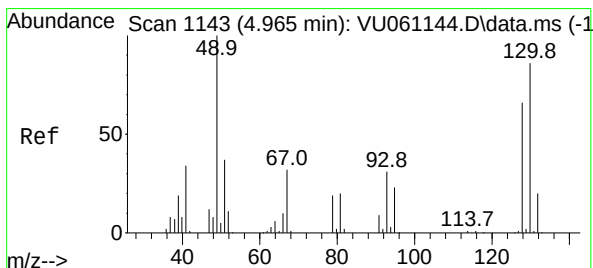
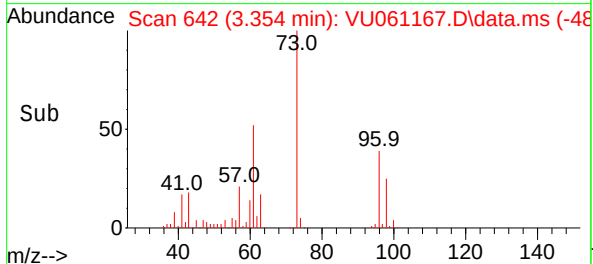
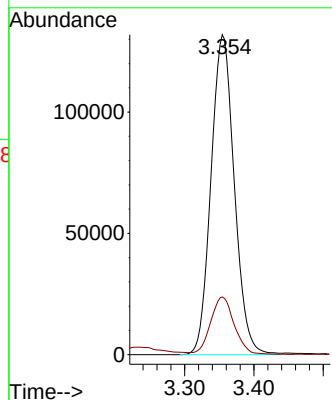
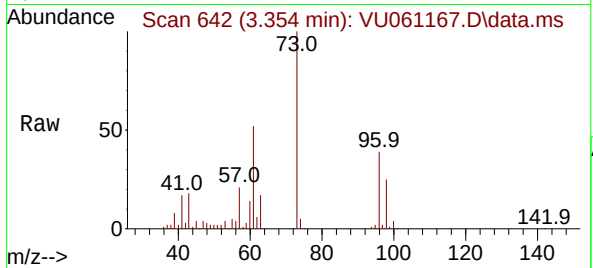
ClientSampleId :

Tgt Ion: 73 Resp: 307718

Ion Ratio Lower Upper

73 100

43 18.1 14.7 22.1



#26

Bromochloromethane

Concen: 10.130 ug/l

RT: 4.965 min Scan# 1143

Delta R.T. -0.000 min

Lab File: VU061167.D

Acq: 21 Oct 2024 12:23

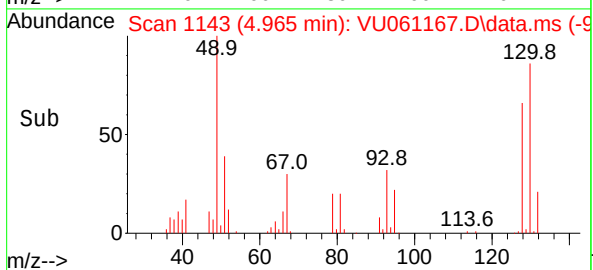
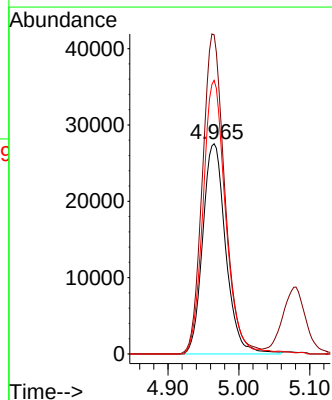
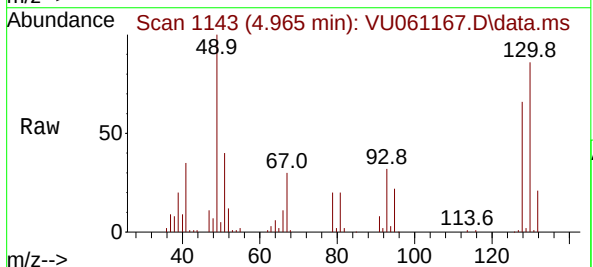
Tgt Ion: 128 Resp: 61853

Ion Ratio Lower Upper

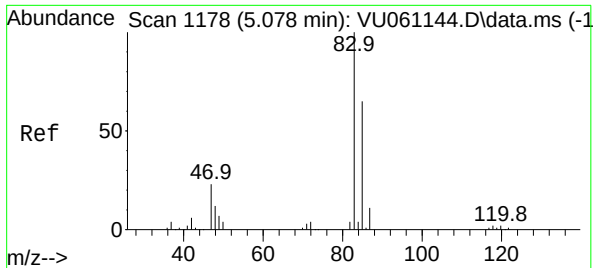
128 100

49 148.5 0.0 308.8

130 128.1 105.3 157.9



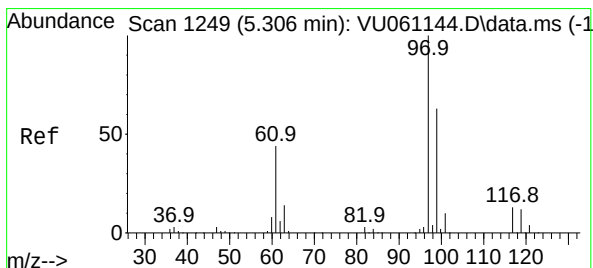
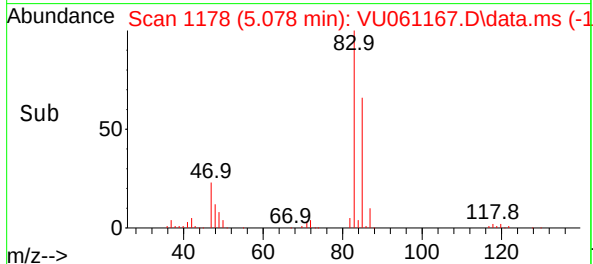
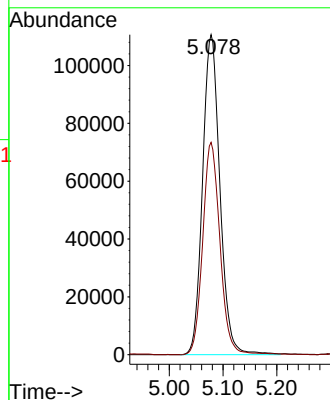
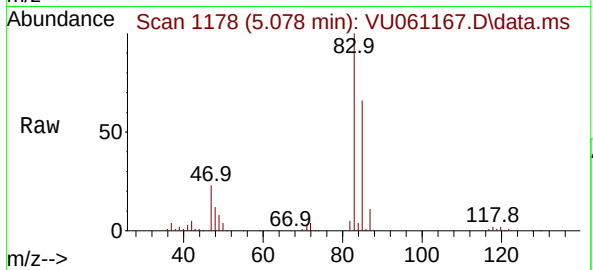




#27  
Chloroform  
Concen: 9.953 ug/l  
RT: 5.078 min Scan# 1178  
Delta R.T. -0.000 min  
Lab File: VU061167.D  
Acq: 21 Oct 2024 12:23

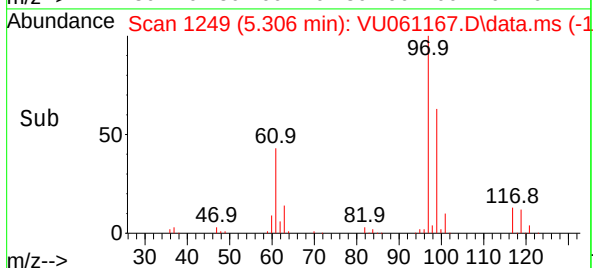
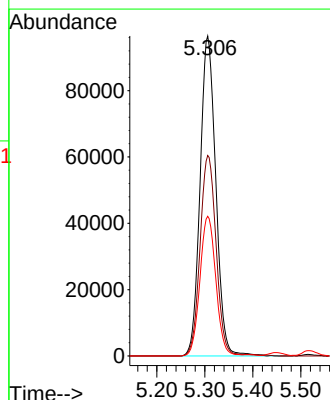
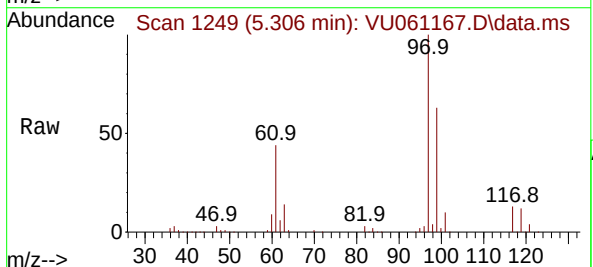
Instrument :  
MSVOA\_U  
ClientSampleId :

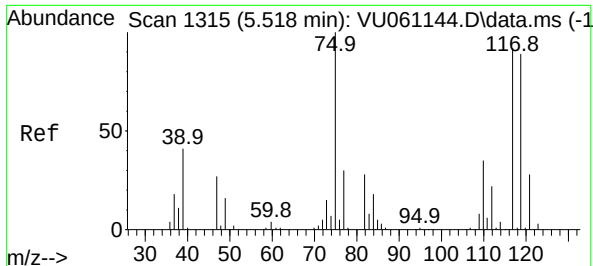
Tgt Ion: 83 Resp: 248032  
Ion Ratio Lower Upper  
83 100  
85 66.3 0.0 129.6



#28  
1,1,1-Trichloroethane  
Concen: 10.005 ug/l  
RT: 5.306 min Scan# 1249  
Delta R.T. -0.000 min  
Lab File: VU061167.D  
Acq: 21 Oct 2024 12:23

Tgt Ion: 97 Resp: 219830  
Ion Ratio Lower Upper  
97 100  
99 64.3 31.9 95.5  
61 44.2 22.1 66.1

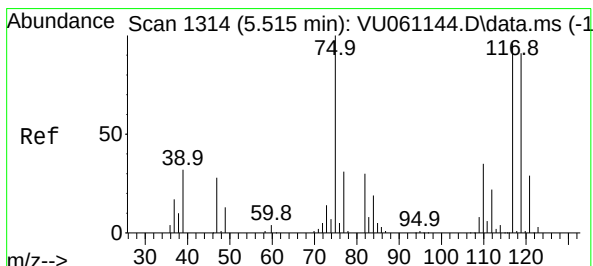
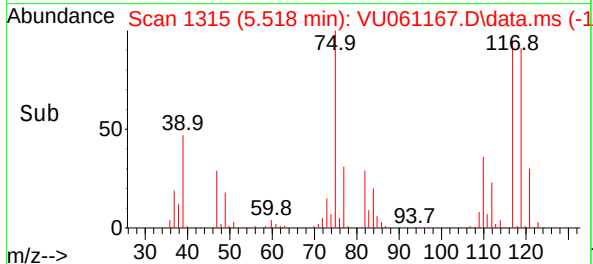
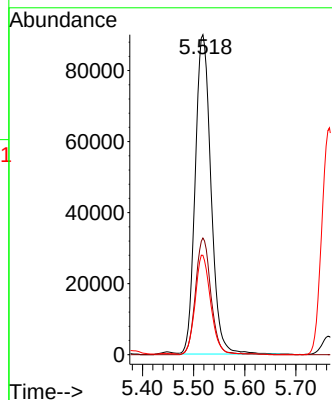
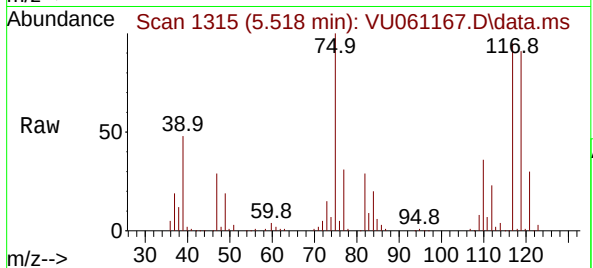




#29  
1,1-Dichloropropene  
Concen: 9.924 ug/l  
RT: 5.518 min Scan# 1315  
Delta R.T. -0.000 min  
Lab File: VU061167.D  
Acq: 21 Oct 2024 12:23

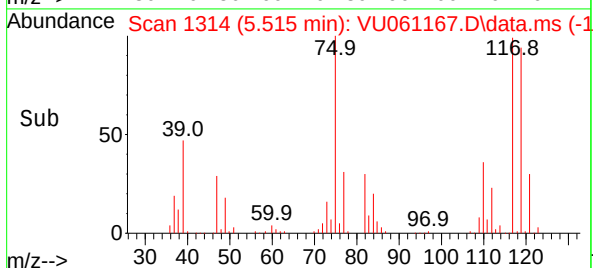
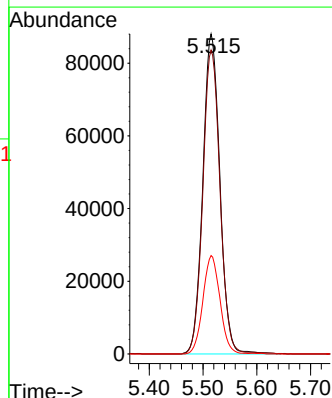
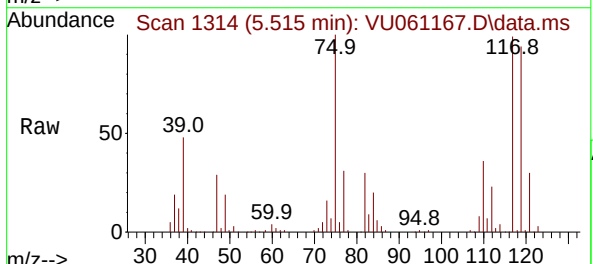
Instrument :  
MSVOA\_U  
ClientSampleId :

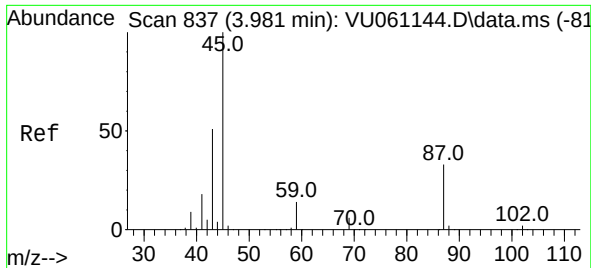
Tgt Ion: 75 Resp: 192752  
Ion Ratio Lower Upper  
75 100  
110 35.6 17.8 53.3  
77 30.3 24.6 37.0



#30  
Carbon Tetrachloride  
Concen: 10.189 ug/l  
RT: 5.515 min Scan# 1314  
Delta R.T. -0.000 min  
Lab File: VU061167.D  
Acq: 21 Oct 2024 12:23

Tgt Ion: 117 Resp: 194234  
Ion Ratio Lower Upper  
117 100  
119 94.9 76.4 114.6  
121 30.7 24.1 36.1

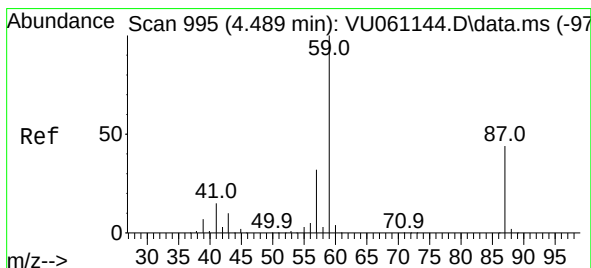
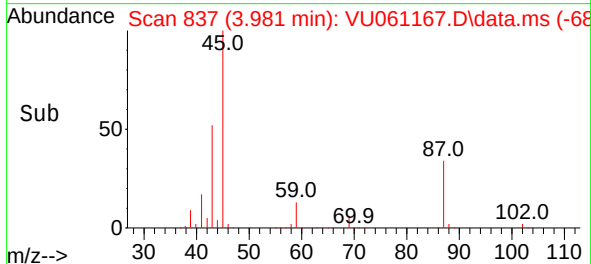
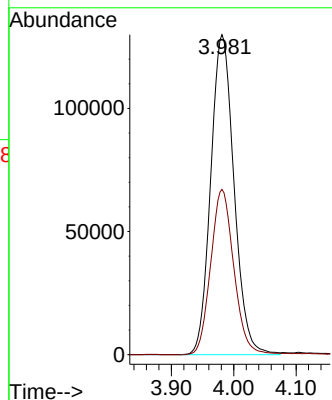
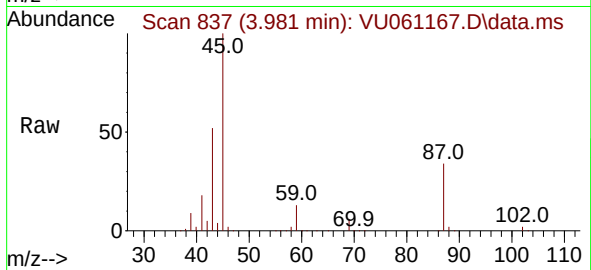




#31  
Isopropyl Ether  
Concen: 9.951 ug/l  
RT: 3.981 min Scan# 837  
Delta R.T. -0.000 min  
Lab File: VU061167.D  
Acq: 21 Oct 2024 12:23

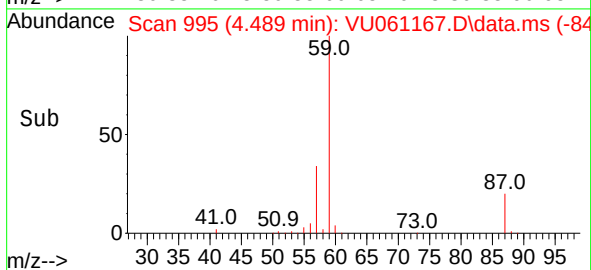
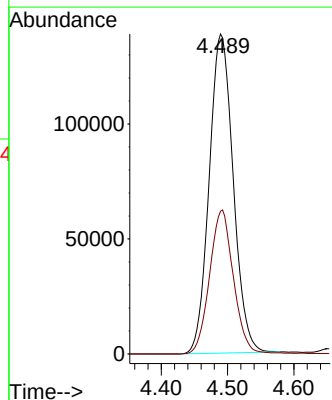
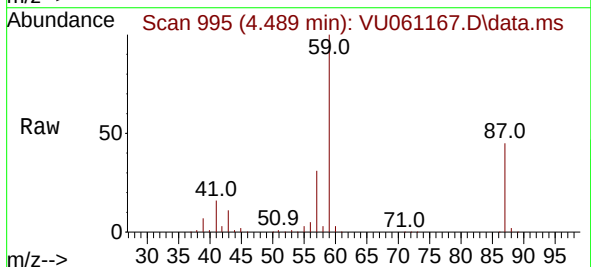
Instrument :  
MSVOA\_U  
ClientSampleId :

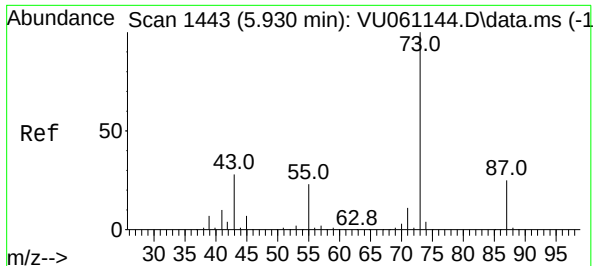
Tgt Ion: 45 Resp: 337396  
Ion Ratio Lower Upper  
45 100  
43 51.3 25.7 77.0



#32  
Ethyl-t-butyl ether  
Concen: 10.022 ug/l  
RT: 4.489 min Scan# 995  
Delta R.T. -0.000 min  
Lab File: VU061167.D  
Acq: 21 Oct 2024 12:23

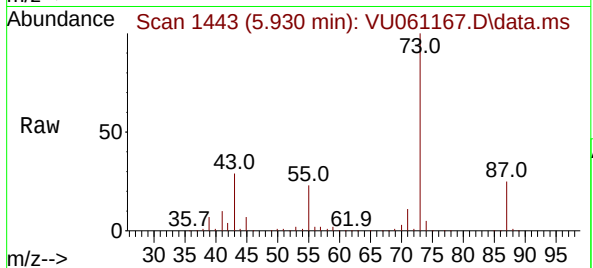
Tgt Ion: 59 Resp: 349368  
Ion Ratio Lower Upper  
59 100  
87 44.1 34.7 52.1



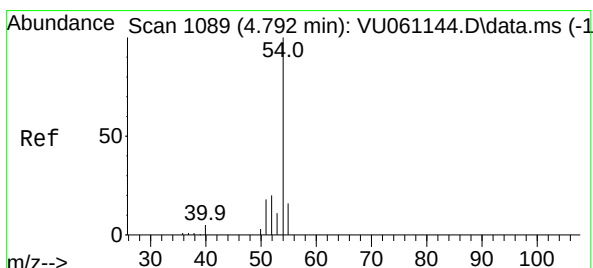
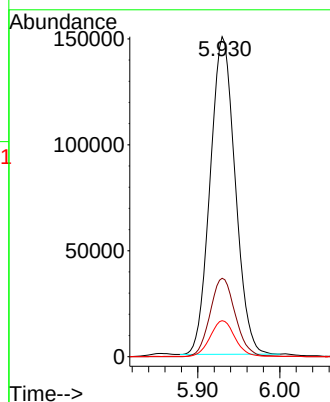
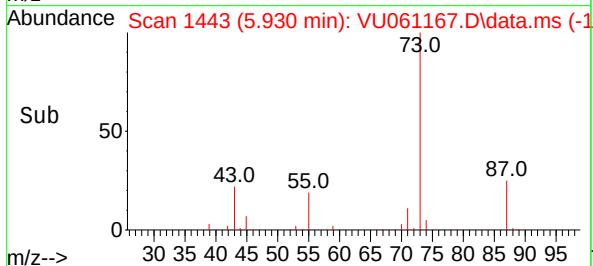


#33  
Tert-Amyl methyl ether  
Concen: 10.107 ug/l  
RT: 5.930 min Scan# 1443  
Delta R.T. -0.000 min  
Lab File: VU061167.D  
Acq: 21 Oct 2024 12:23

Instrument :  
MSVOA\_U  
ClientSampleId :

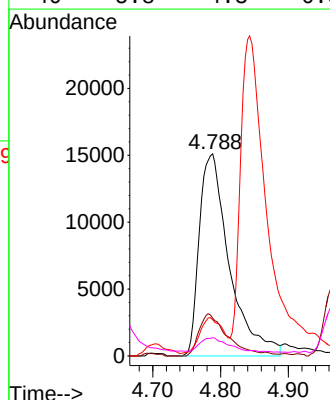
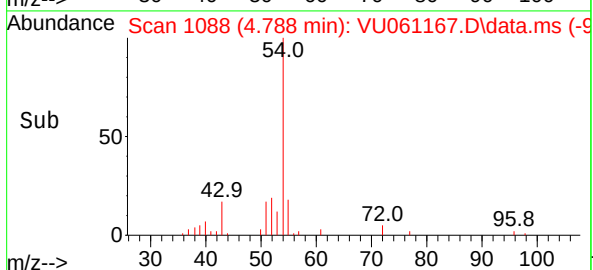
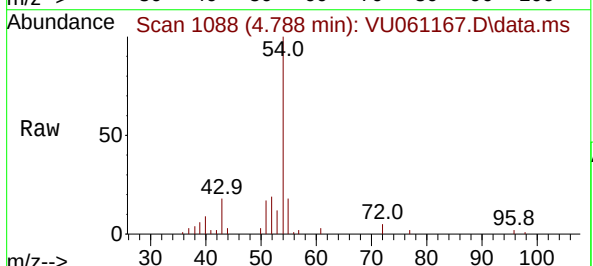


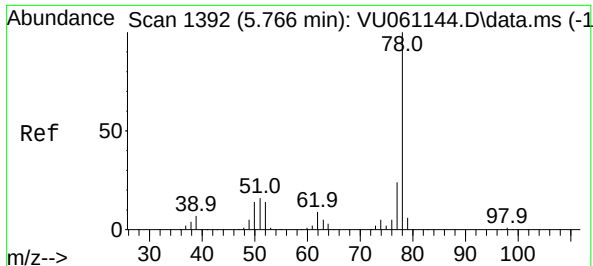
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 73    | Resp: | 317106 |
| Ion Ratio | Lower | Upper |        |
| 73        | 100   |       |        |
| 87        | 24.9  | 19.8  | 29.8   |
| 71        | 11.1  | 8.6   | 12.8   |



#34  
Propionitrile  
Concen: 53.186 ug/l  
RT: 4.788 min Scan# 1088  
Delta R.T. -0.003 min  
Lab File: VU061167.D  
Acq: 21 Oct 2024 12:23

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 54    | Resp: | 46576 |
| Ion Ratio | Lower | Upper |       |
| 54        | 100   |       |       |
| 52        | 19.3  | 15.3  | 22.9  |
| 55        | 13.8  | 9.7   | 14.5  |
| 40        | 5.8   | 4.3   | 6.5   |





#35

Benzene

Concen: 10.050 ug/l

RT: 5.766 min Scan# 1392

Delta R.T. -0.000 min

Lab File: VU061167.D

Acq: 21 Oct 2024 12:23

Instrument :

MSVOA\_U

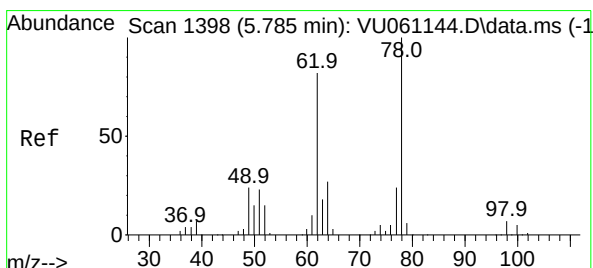
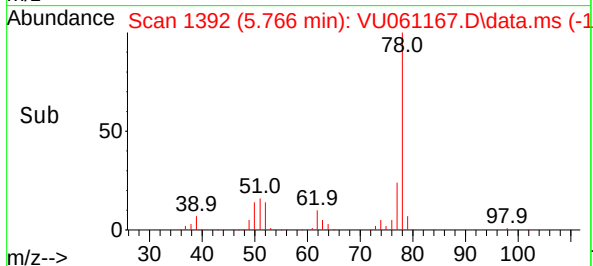
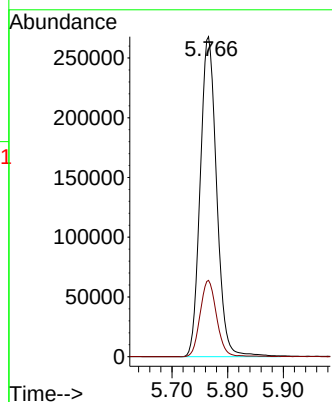
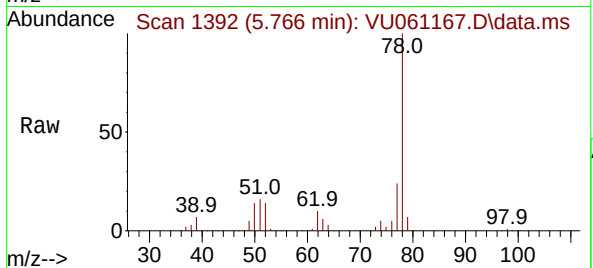
ClientSampleId :

Tgt Ion: 78 Resp: 549529

Ion Ratio Lower Upper

78 100

77 23.9 19.4 29.0



#36

1,2-Dichloroethane

Concen: 10.249 ug/l

RT: 5.785 min Scan# 1398

Delta R.T. -0.000 min

Lab File: VU061167.D

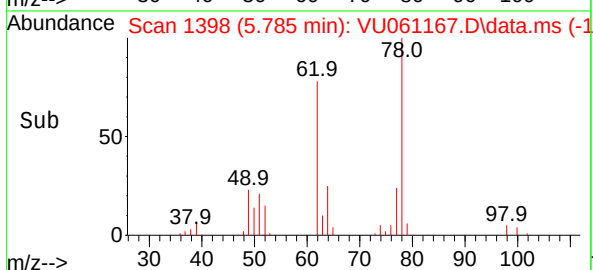
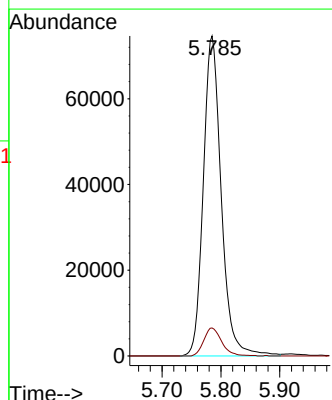
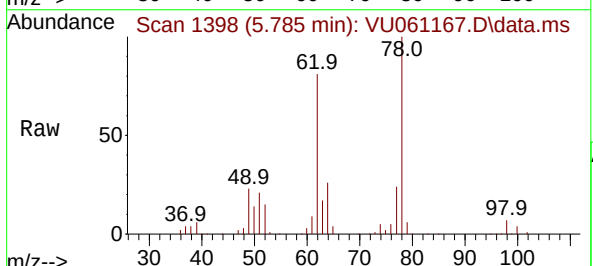
Acq: 21 Oct 2024 12:23

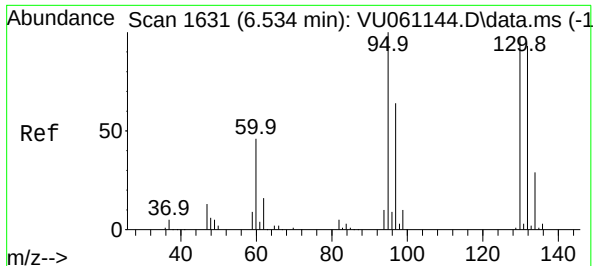
Tgt Ion: 62 Resp: 158226

Ion Ratio Lower Upper

62 100

98 8.8 7.0 10.4

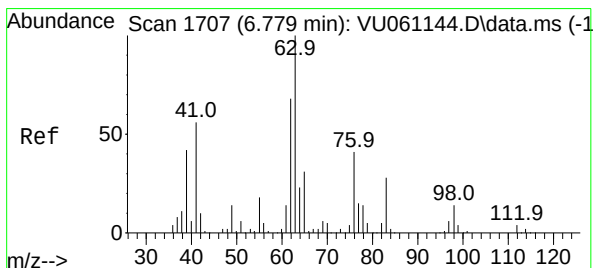
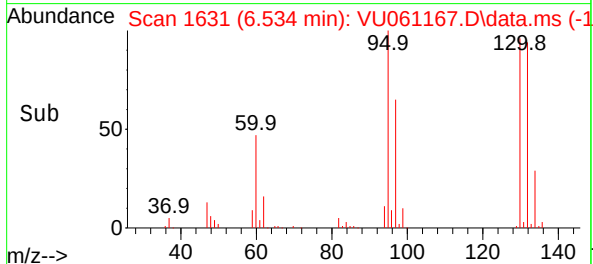
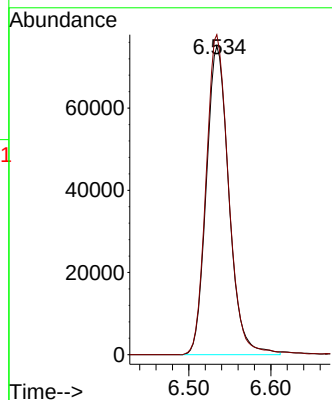
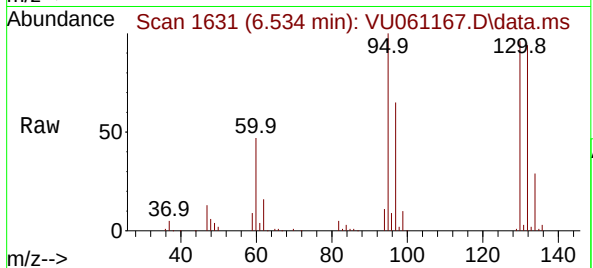




#37  
Trichloroethene  
Concen: 9.852 ug/l  
RT: 6.534 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VU061167.D  
Acq: 21 Oct 2024 12:23

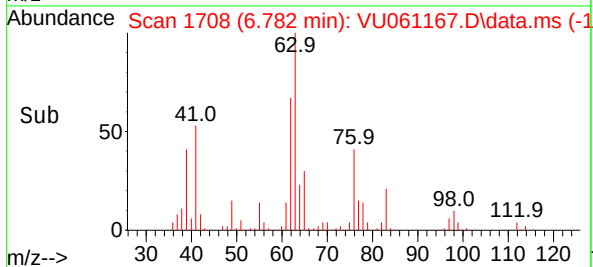
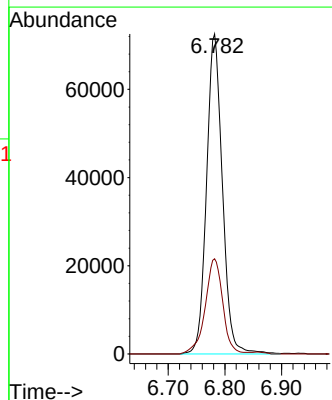
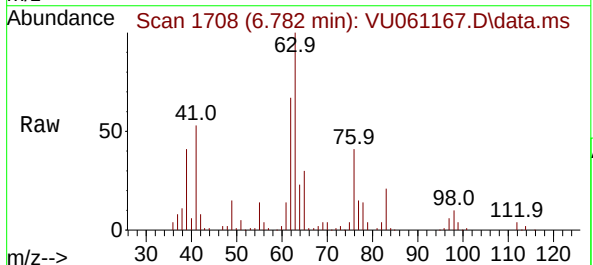
Instrument :  
MSVOA\_U  
ClientSampleId :

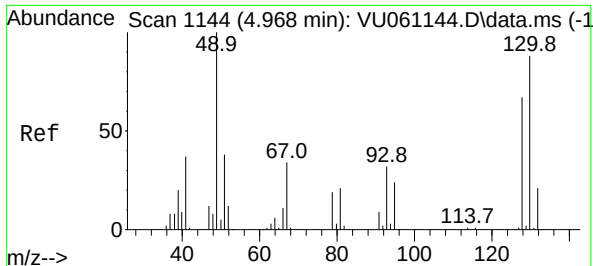
Tgt Ion:130 Resp: 143789  
Ion Ratio Lower Upper  
130 100  
95 103.8 82.6 123.8



#38  
1,2-Dichloropropane  
Concen: 10.194 ug/l  
RT: 6.782 min Scan# 1708  
Delta R.T. 0.003 min  
Lab File: VU061167.D  
Acq: 21 Oct 2024 12:23

Tgt Ion: 63 Resp: 141172  
Ion Ratio Lower Upper  
63 100  
65 29.8 25.0 37.6





#39

Methacrylonitrile

Concen: 11.060 ug/l

RT: 4.965 min Scan# 1144

Delta R.T. -0.003 min

Lab File: VU061167.D

Acq: 21 Oct 2024 12:23

Instrument :

MSVOA\_U

ClientSampleId :

Tgt Ion: 41 Resp: 34882

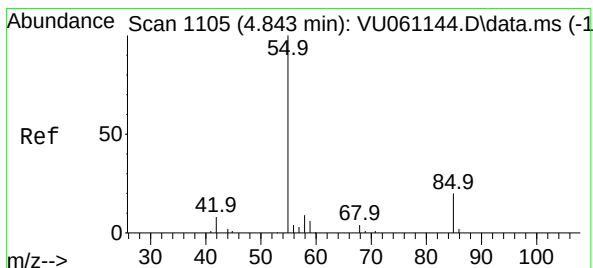
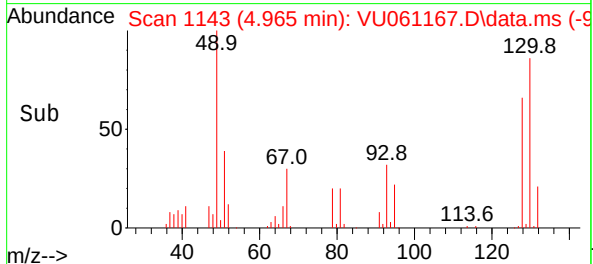
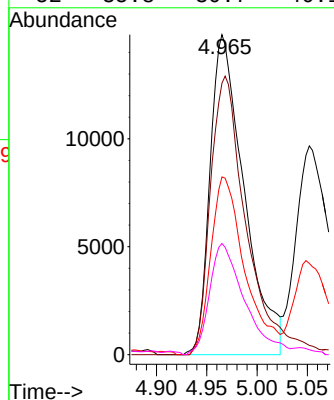
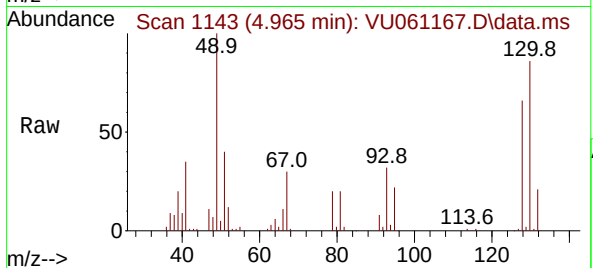
Ion Ratio Lower Upper

41 100

67 92.6 78.1 117.1

39 55.8 44.6 67.0

52 35.8 30.7 46.1



#40

Methyl acrylate

Concen: 9.959 ug/l

RT: 4.843 min Scan# 1105

Delta R.T. -0.000 min

Lab File: VU061167.D

Acq: 21 Oct 2024 12:23

Tgt Ion: 55 Resp: 63696

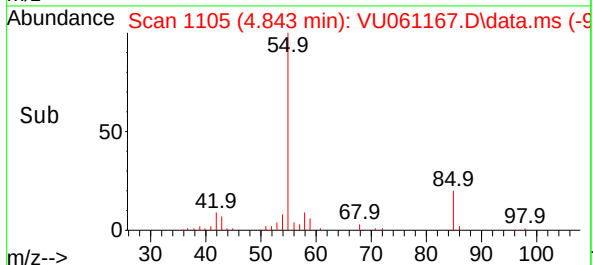
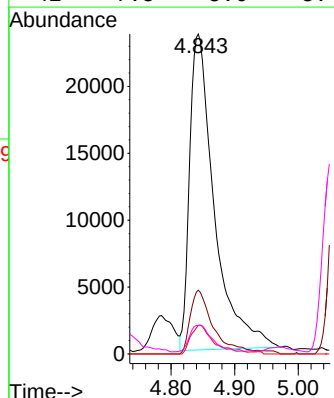
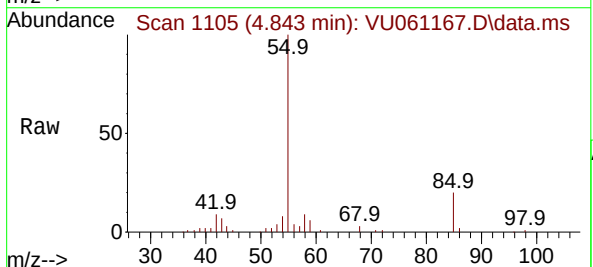
Ion Ratio Lower Upper

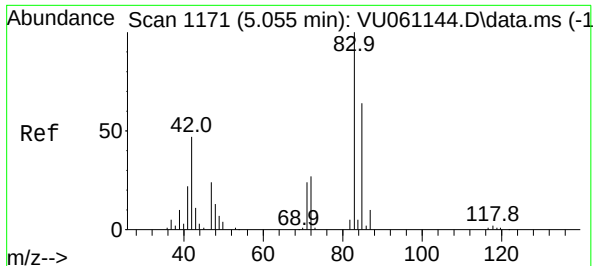
55 100

85 18.7 14.1 21.1

58 8.1 6.9 10.3

42 7.5 5.6 8.4

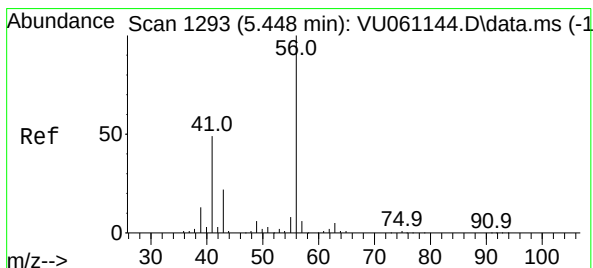
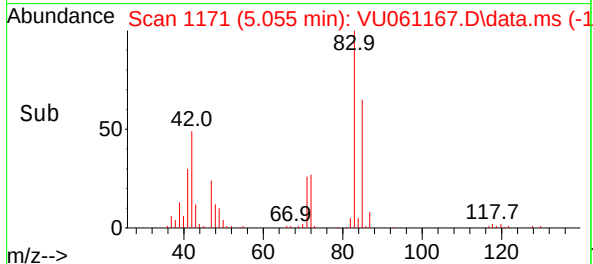
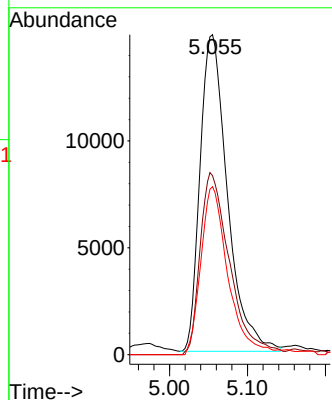
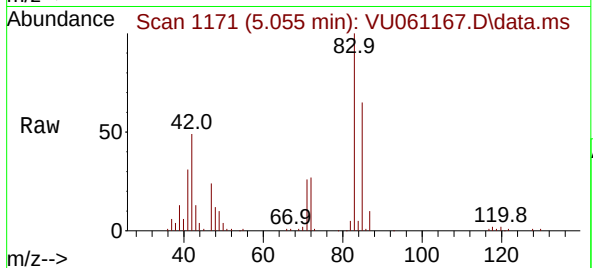




#41  
Tetrahydrofuran  
Concen: 19.115 ug/l  
RT: 5.055 min Scan# 1171  
Delta R.T. -0.000 min  
Lab File: VU061167.D  
Acq: 21 Oct 2024 12:23

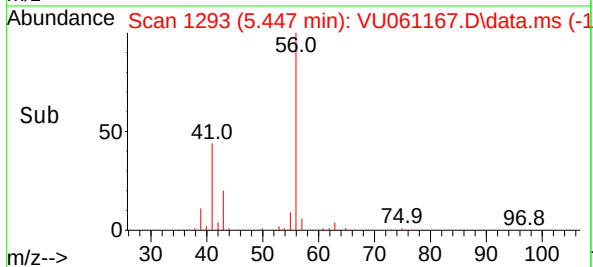
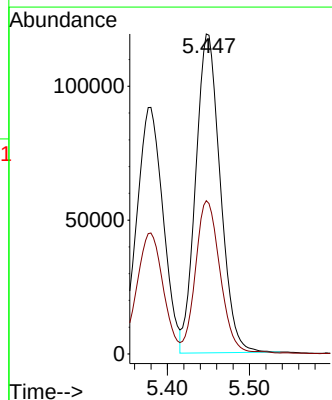
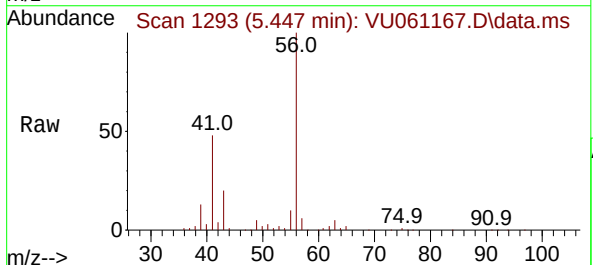
Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion: 42 Resp: 36208  
Ion Ratio Lower Upper  
42 100  
72 61.8 47.8 71.8  
71 52.2 41.5 62.3

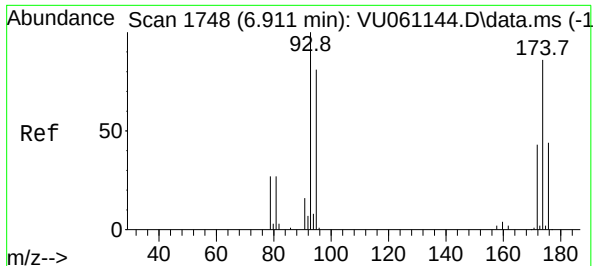


#42  
1-Chlorobutane  
Concen: 9.934 ug/l  
RT: 5.447 min Scan# 1293  
Delta R.T. -0.000 min  
Lab File: VU061167.D  
Acq: 21 Oct 2024 12:23

Tgt Ion: 56 Resp: 247497  
Ion Ratio Lower Upper  
56 100  
41 47.8 23.9 71.7







#43

Dibromomethane

Concen: 10.139 ug/l

RT: 6.910 min Scan# 1

Delta R.T. -0.000 min

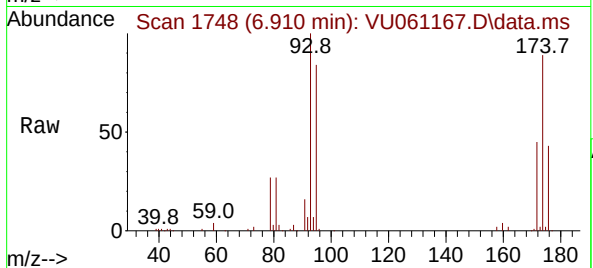
Lab File: VU061167.D

Acq: 21 Oct 2024 12:23

Instrument :

MSVOA\_U

ClientSampleId :



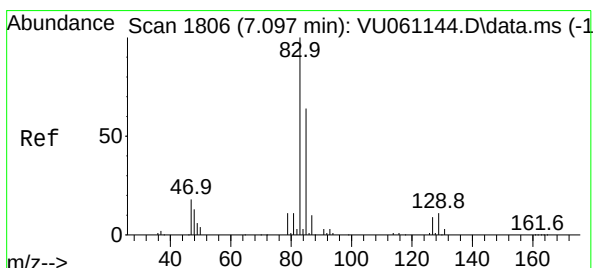
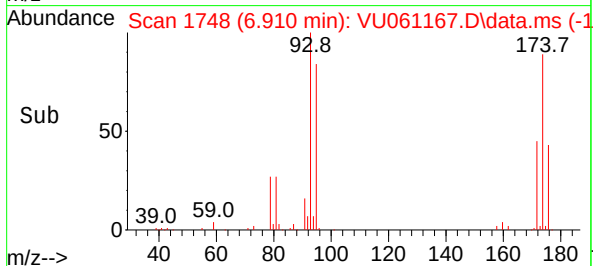
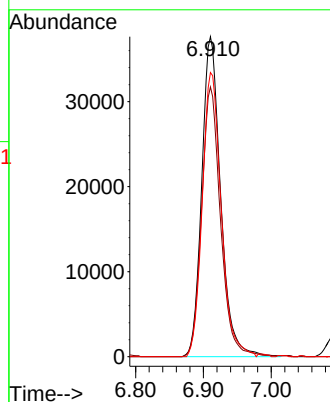
Tgt Ion: 93 Resp: 72807

Ion Ratio Lower Upper

93 100

95 84.2 67.5 101.3

174 89.1 71.2 106.8



#44

Bromodichloromethane

Concen: 10.222 ug/l

RT: 7.097 min Scan# 1806

Delta R.T. -0.000 min

Lab File: VU061167.D

Acq: 21 Oct 2024 12:23

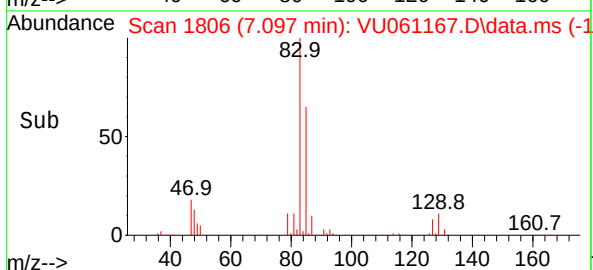
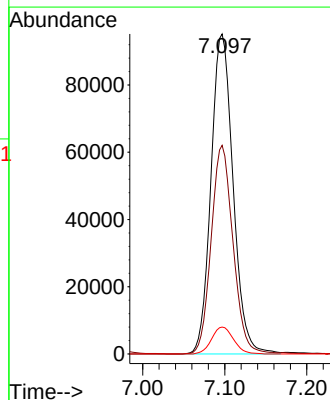
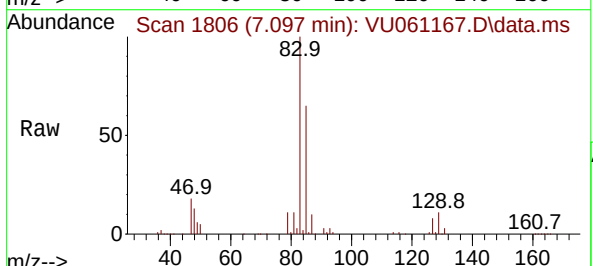
Tgt Ion: 83 Resp: 178507

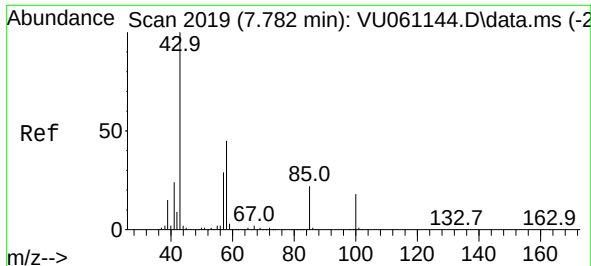
Ion Ratio Lower Upper

83 100

85 65.2 51.4 77.2

127 8.4 7.4 11.2

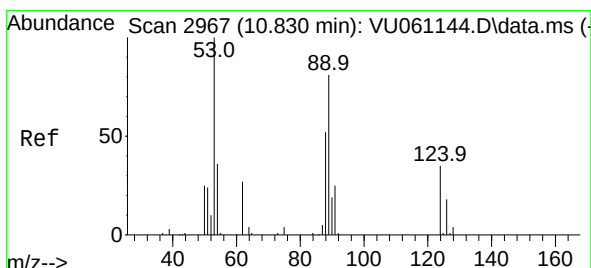
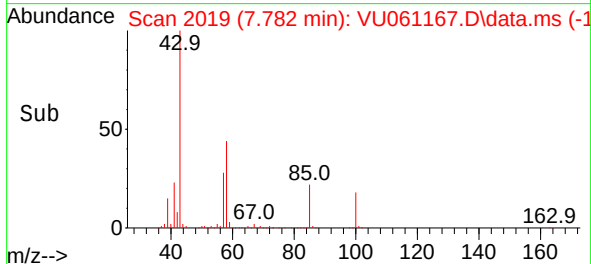
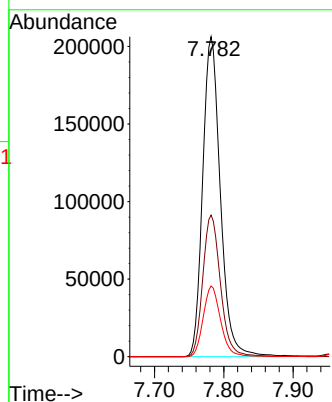
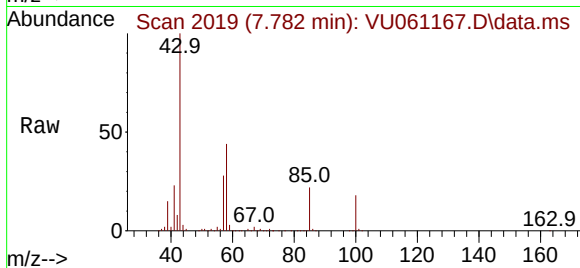




#45  
4-Methyl-2-Pentanone  
Concen: 50.635 ug/l  
RT: 7.782 min Scan# 2019  
Delta R.T. -0.000 min  
Lab File: VU061167.D  
Acq: 21 Oct 2024 12:23

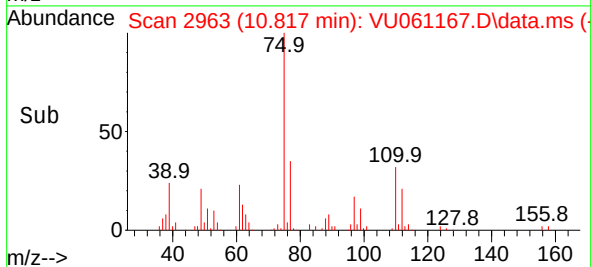
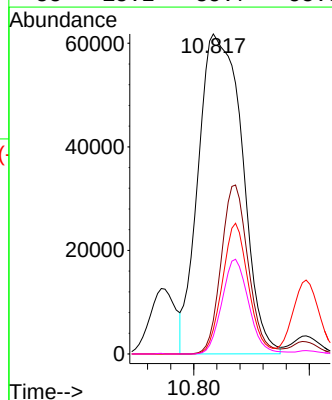
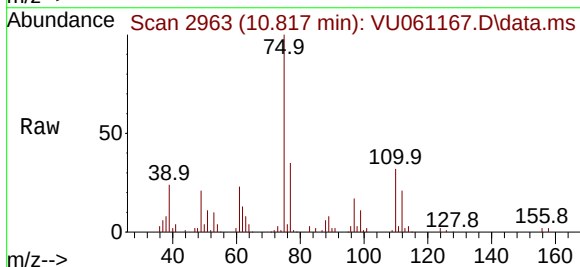
Instrument :  
MSVOA\_U  
ClientSampleId :

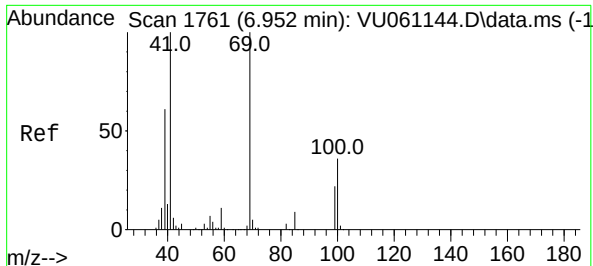
Tgt Ion: 43 Resp: 365002  
Ion Ratio Lower Upper  
43 100  
58 44.3 22.2 66.6  
85 21.8 17.2 25.8



#46  
t-1,4-Dichloro-2-butene  
Concen: 56.530 ug/l  
RT: 10.817 min Scan# 2963  
Delta R.T. -0.013 min  
Lab File: VU061167.D  
Acq: 21 Oct 2024 12:23

Tgt Ion: 75 Resp: 162484  
Ion Ratio Lower Upper  
75 100  
53 32.8 66.0 99.0#  
89 24.4 48.0 72.0#  
88 18.2 35.7 53.5#





#47

Methyl methacrylate

Concen: 21.094 ug/l

RT: 6.952 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU061167.D

Acq: 21 Oct 2024 12:23

Instrument :

MSVOA\_U

ClientSampleId :

Tgt Ion: 69 Resp: 131645

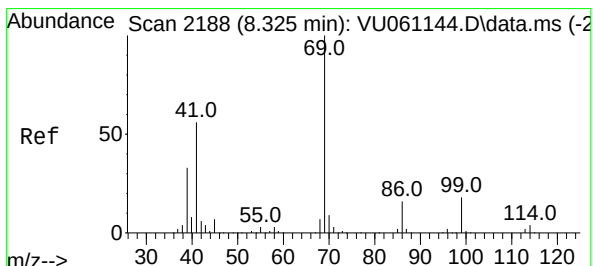
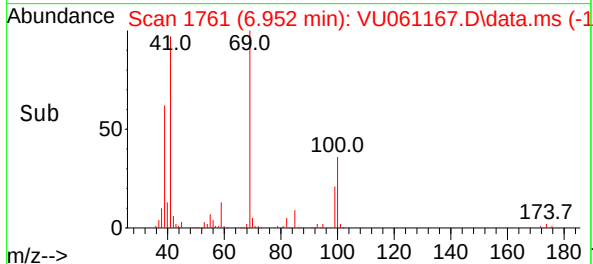
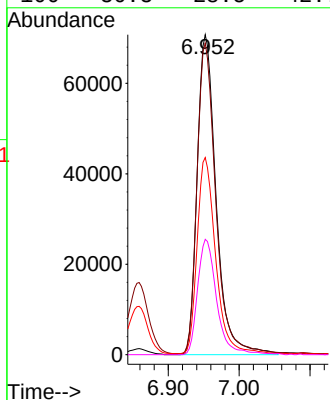
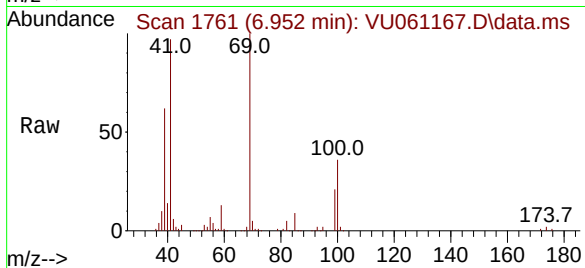
Ion Ratio Lower Upper

69 100

41 96.2 0.0 196.0

39 60.1 48.0 72.0

100 36.3 28.5 42.7



#48

Ethyl methacrylate

Concen: 10.455 ug/l

RT: 8.325 min Scan# 2188

Delta R.T. -0.000 min

Lab File: VU061167.D

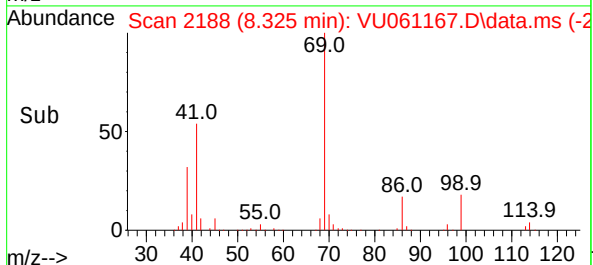
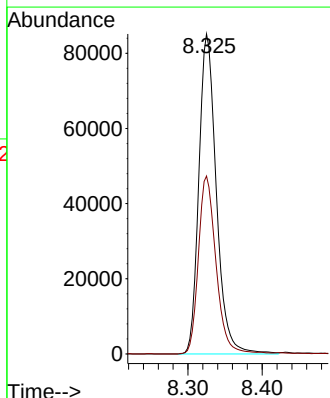
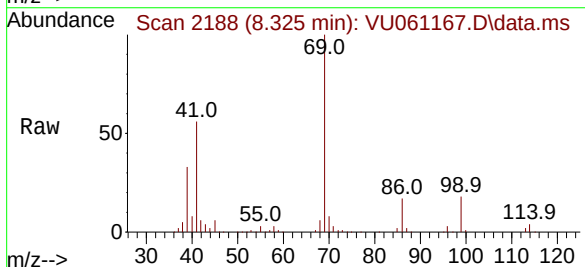
Acq: 21 Oct 2024 12:23

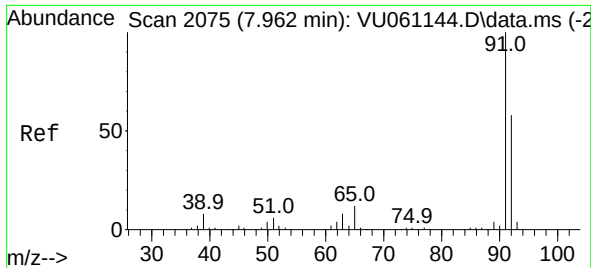
Tgt Ion: 69 Resp: 139132

Ion Ratio Lower Upper

69 100

41 55.8 28.1 84.3





#49

Toluene

Concen: 10.223 ug/l

RT: 7.962 min Scan# 2075

Delta R.T. -0.000 min

Lab File: VU061167.D

Acq: 21 Oct 2024 12:23

Instrument :

MSVOA\_U

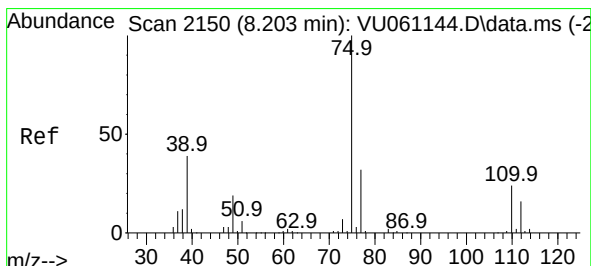
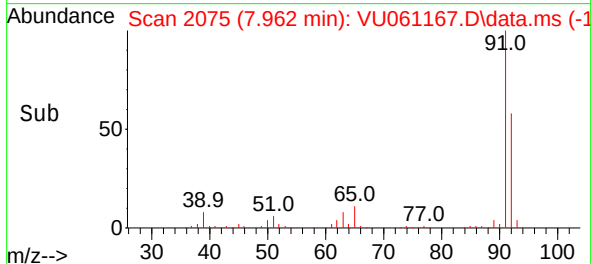
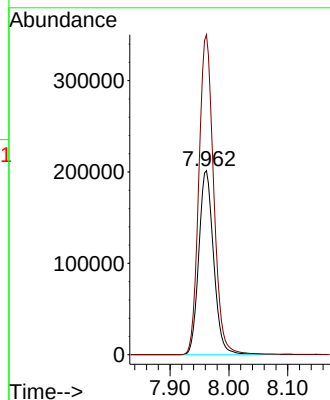
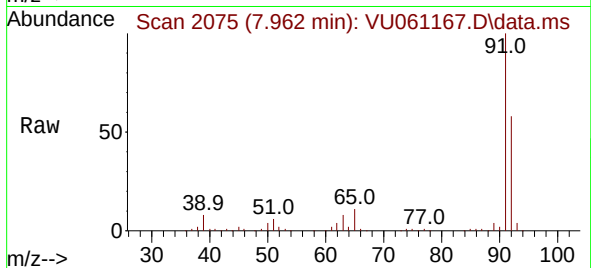
ClientSampleId :

Tgt Ion: 92 Resp: 353137

Ion Ratio Lower Upper

92 100

91 173.4 139.1 208.7



#50

t-1,3-Dichloropropene

Concen: 10.533 ug/l

RT: 8.203 min Scan# 2150

Delta R.T. -0.000 min

Lab File: VU061167.D

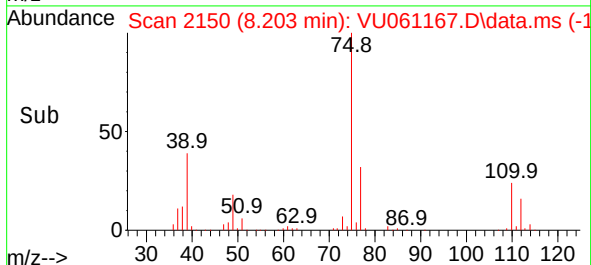
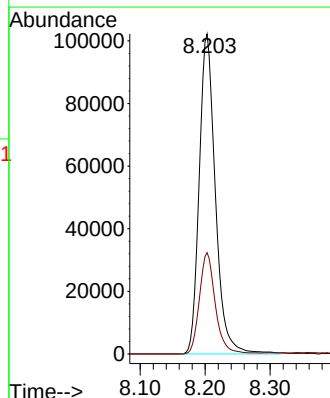
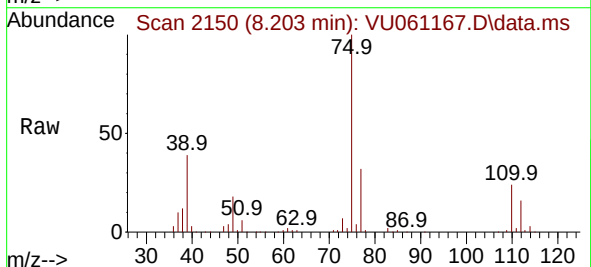
Acq: 21 Oct 2024 12:23

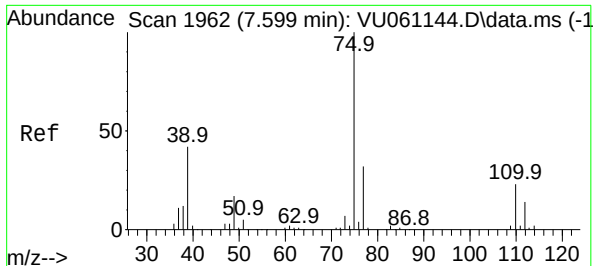
Tgt Ion: 75 Resp: 177337

Ion Ratio Lower Upper

75 100

77 31.6 25.9 38.9

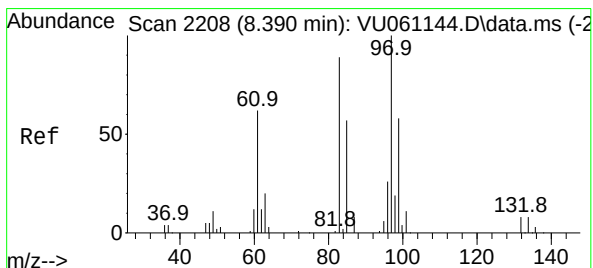
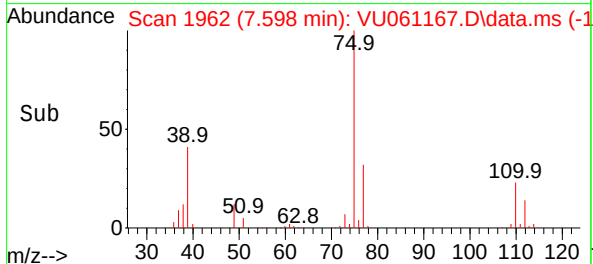
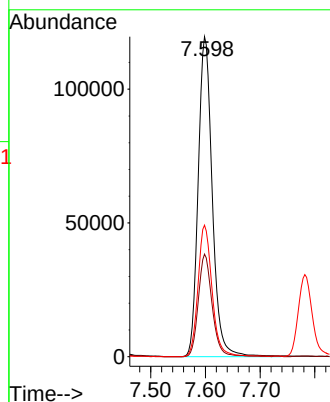
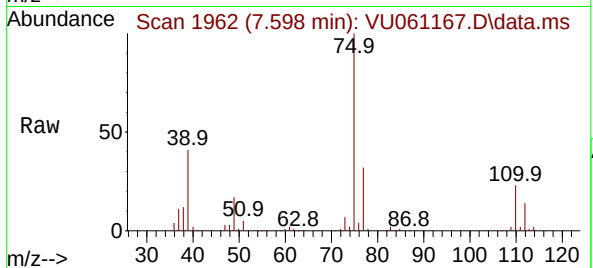




#51  
cis-1,3-Dichloropropene  
Concen: 10.359 ug/l  
RT: 7.598 min Scan# 1962  
Delta R.T. -0.000 min  
Lab File: VU061167.D  
Acq: 21 Oct 2024 12:23

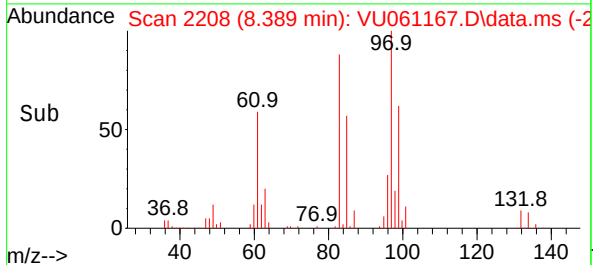
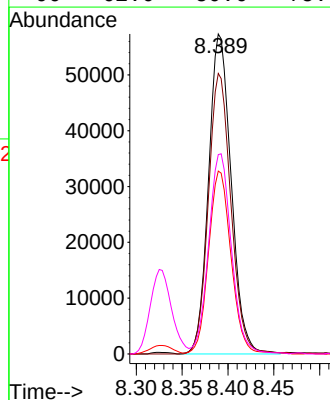
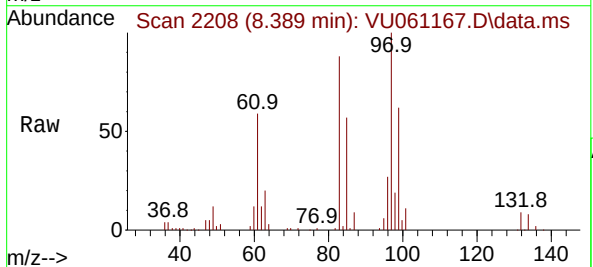
Instrument :  
MSVOA\_U  
ClientSampleId :

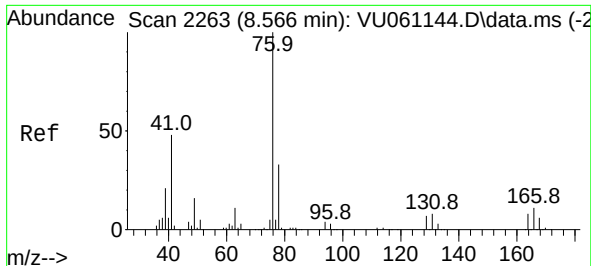
Tgt Ion: 75 Resp: 213997  
Ion Ratio Lower Upper  
75 100  
77 32.0 25.8 38.8  
39 41.1 33.7 50.5



#52  
1,1,2-Trichloroethane  
Concen: 10.170 ug/l  
RT: 8.389 min Scan# 2208  
Delta R.T. -0.000 min  
Lab File: VU061167.D  
Acq: 21 Oct 2024 12:23

Tgt Ion: 97 Resp: 98489  
Ion Ratio Lower Upper  
97 100  
83 87.7 71.0 106.4  
85 56.7 46.1 69.1  
99 62.0 50.6 75.8

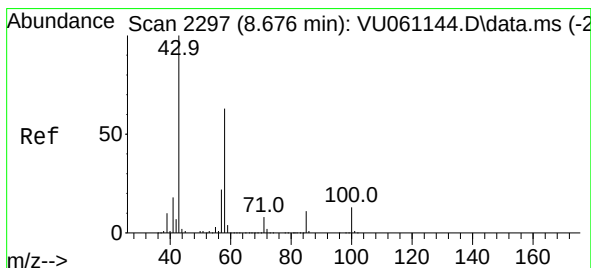
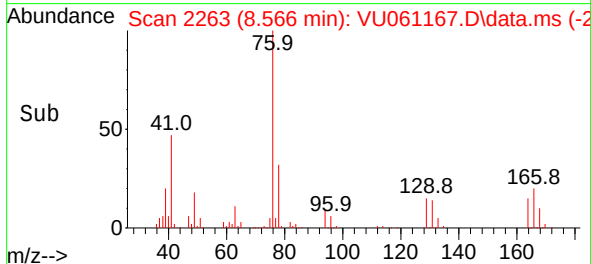
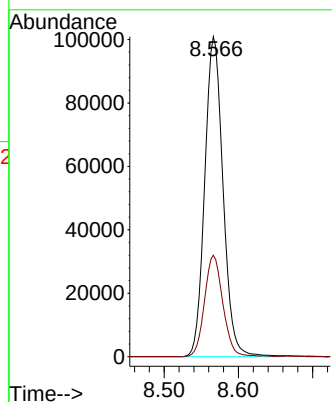
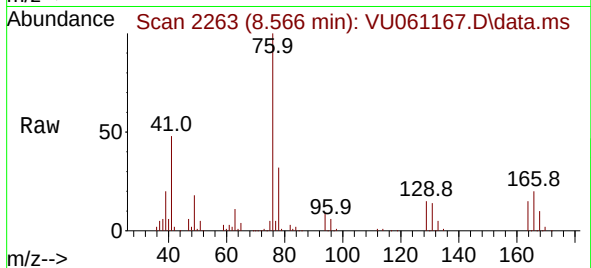




#53  
1,3-Dichloropropane  
Concen: 10.151 ug/l  
RT: 8.566 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VU061167.D  
Acq: 21 Oct 2024 12:23

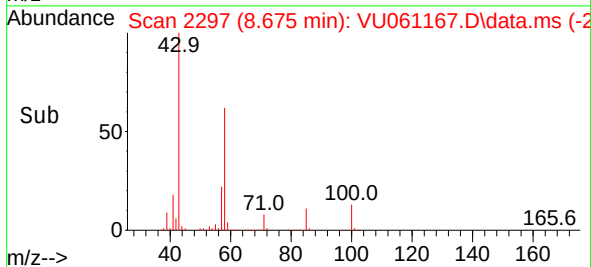
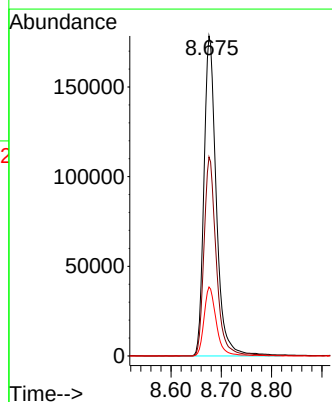
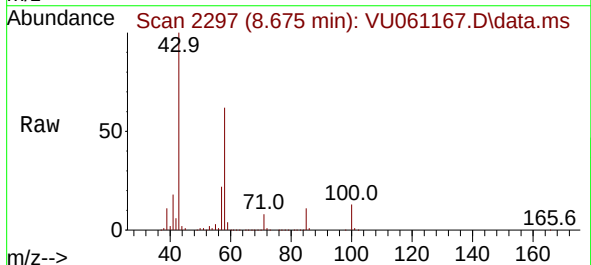
Instrument :  
MSVOA\_U  
ClientSampleId :

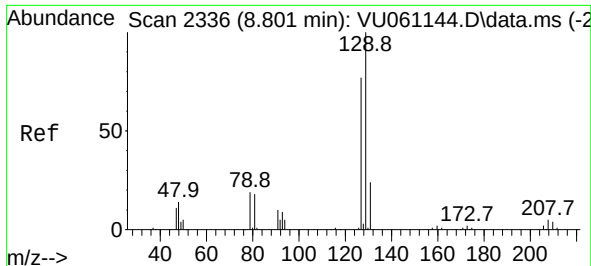
Tgt Ion: 76 Resp: 172677  
Ion Ratio Lower Upper  
76 100  
78 31.7 26.2 39.2



#54  
2-Hexanone  
Concen: 51.680 ug/l  
RT: 8.675 min Scan# 2297  
Delta R.T. -0.000 min  
Lab File: VU061167.D  
Acq: 21 Oct 2024 12:23

Tgt Ion: 43 Resp: 306036  
Ion Ratio Lower Upper  
43 100  
58 60.9 41.8 81.8  
57 21.3 1.4 41.4





#55

Dibromochloromethane

Concen: 10.646 ug/l

RT: 8.801 min Scan# 2336

Delta R.T. -0.000 min

Lab File: VU061167.D

Acq: 21 Oct 2024 12:23

Instrument :

MSVOA\_U

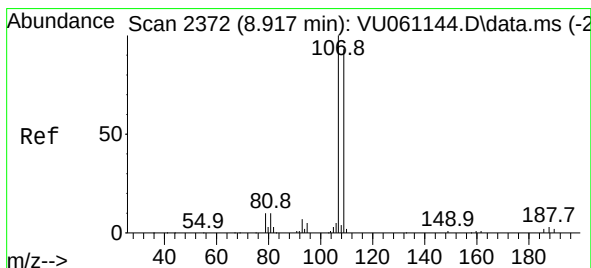
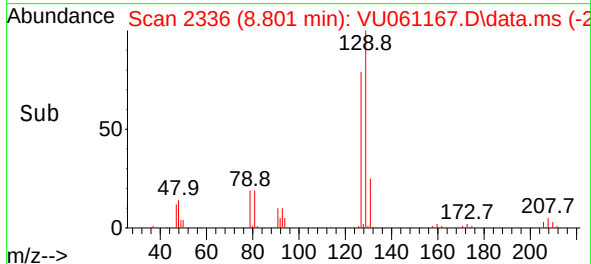
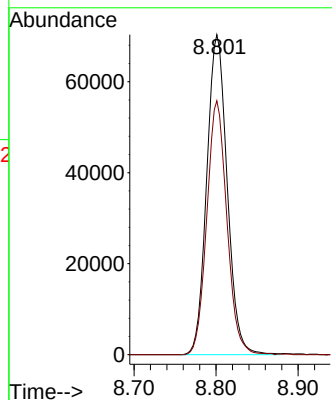
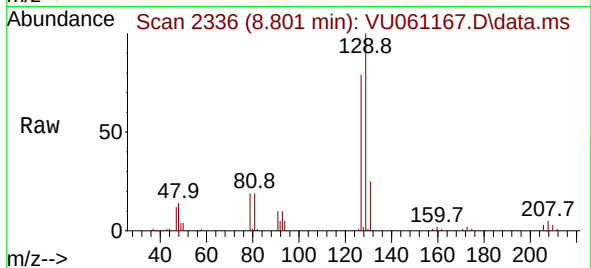
ClientSampleId :

Tgt Ion:129 Resp: 121717

Ion Ratio Lower Upper

129 100

127 78.0 61.9 92.9



#56

1,2-Dibromoethane

Concen: 10.198 ug/l

RT: 8.913 min Scan# 2371

Delta R.T. -0.003 min

Lab File: VU061167.D

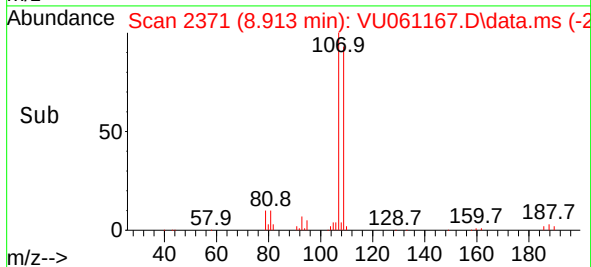
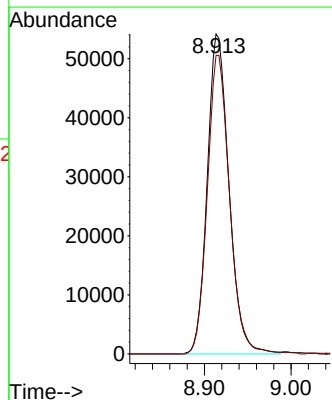
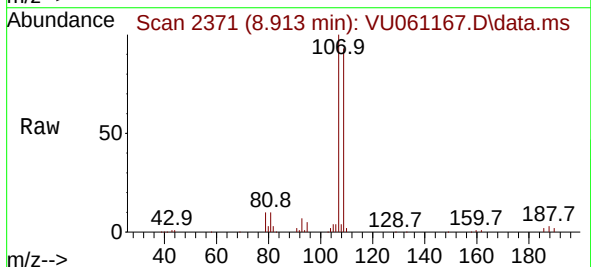
Acq: 21 Oct 2024 12:23

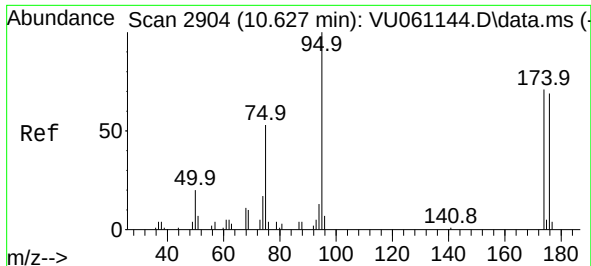
Tgt Ion:107 Resp: 94760

Ion Ratio Lower Upper

107 100

109 95.1 0.0 185.2





#57

4-Bromofluorobenzene

Concen: 1.008 ug/l

RT: 10.627 min Scan# 2904

Delta R.T. -0.000 min

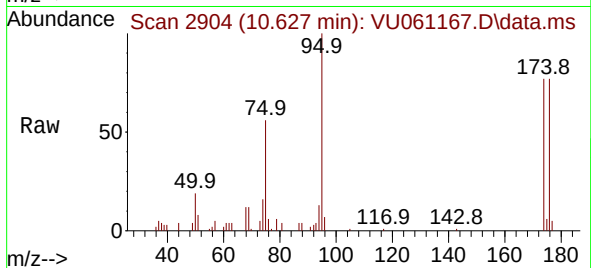
Lab File: VU061167.D

Acq: 21 Oct 2024 12:23

Instrument :

MSVOA\_U

ClientSampleId :



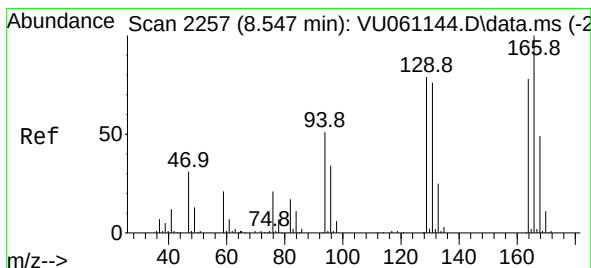
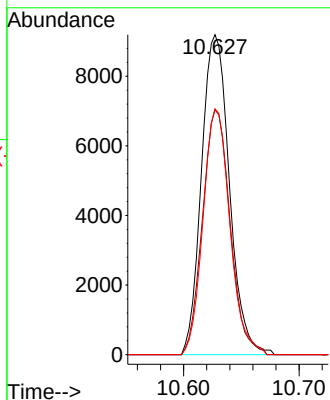
Tgt Ion: 95 Resp: 15423

Ion Ratio Lower Upper

95 100

174 75.8 55.4 83.0

176 73.8 54.4 81.6



#58

Tetrachloroethene

Concen: 10.122 ug/l

RT: 8.547 min Scan# 2257

Delta R.T. -0.000 min

Lab File: VU061167.D

Acq: 21 Oct 2024 12:23

Tgt Ion:164 Resp: 125261

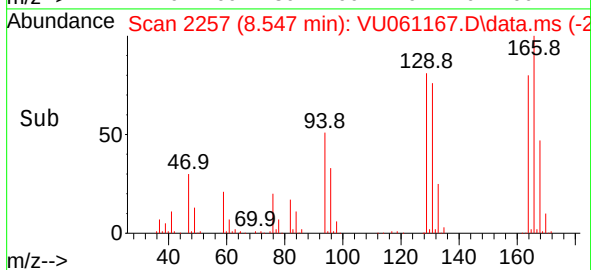
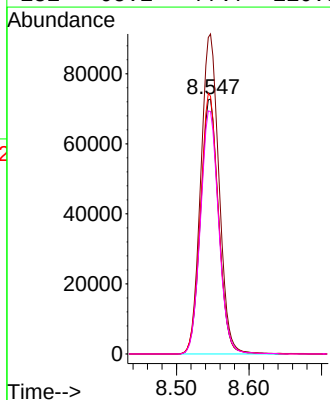
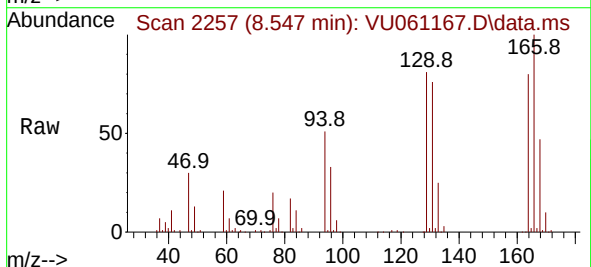
Ion Ratio Lower Upper

164 100

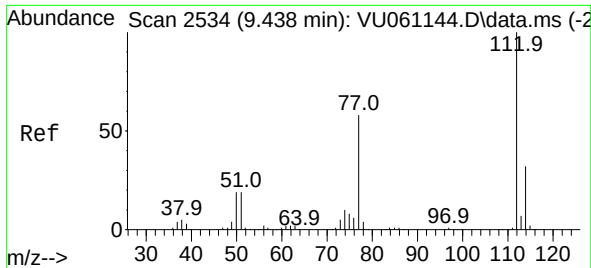
166 125.5 102.1 153.1

129 101.1 80.6 120.8

131 95.1 77.7 116.5



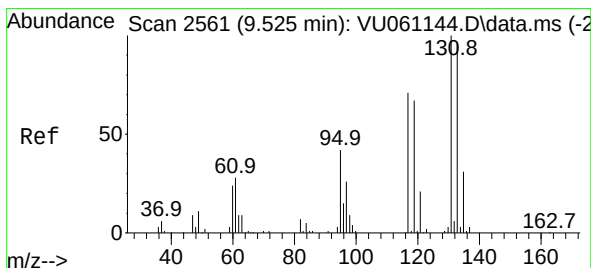
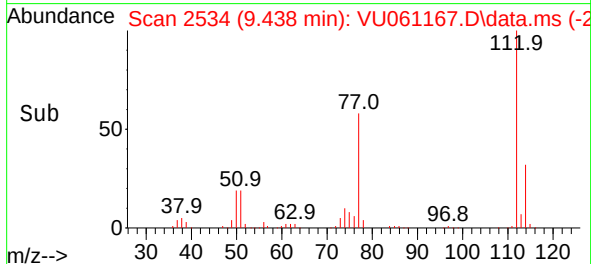
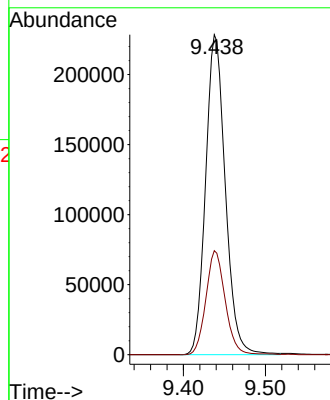
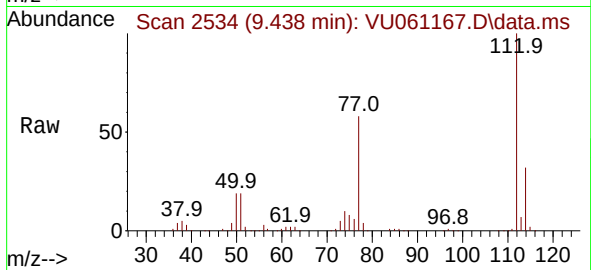




#59  
Chlorobenzene  
Concen: 10.241 ug/l  
RT: 9.438 min Scan# 2534  
Delta R.T. -0.000 min  
Lab File: VU061167.D  
Acq: 21 Oct 2024 12:23

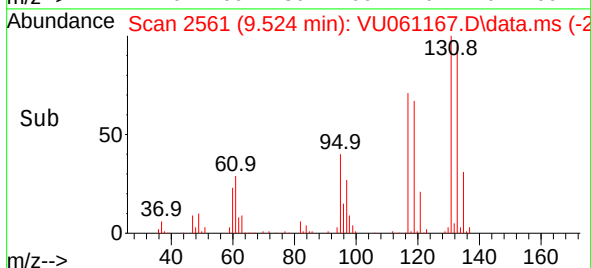
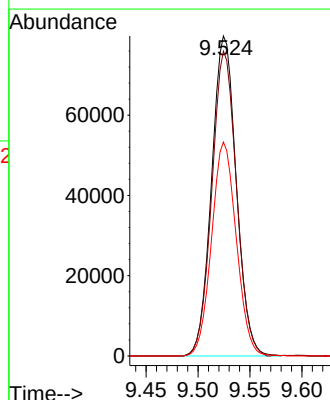
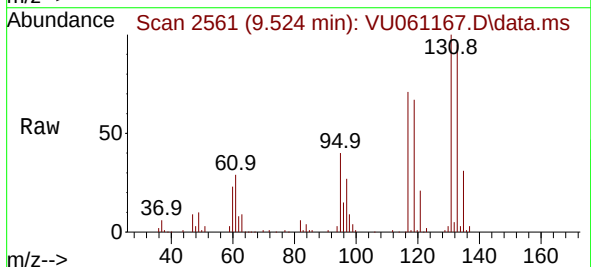
Instrument :  
MSVOA\_U  
ClientSampleId :

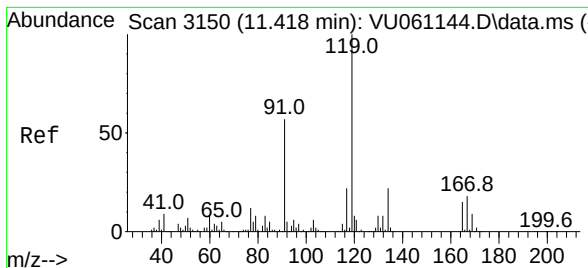
Tgt Ion:112 Resp: 381035  
Ion Ratio Lower Upper  
112 100  
114 32.5 25.4 38.2



#60  
1,1,1,2-Tetrachloroethane  
Concen: 10.468 ug/l  
RT: 9.524 min Scan# 2561  
Delta R.T. -0.000 min  
Lab File: VU061167.D  
Acq: 21 Oct 2024 12:23

Tgt Ion:131 Resp: 131412  
Ion Ratio Lower Upper  
131 100  
133 95.2 76.8 115.2  
119 67.0 54.2 81.2





#61

Pentachloroethane

Concen: 10.808 ug/l

RT: 11.418 min Scan# 3150

Delta R.T. -0.000 min

Lab File: VU061167.D

Acq: 21 Oct 2024 12:23

Instrument :

MSVOA\_U

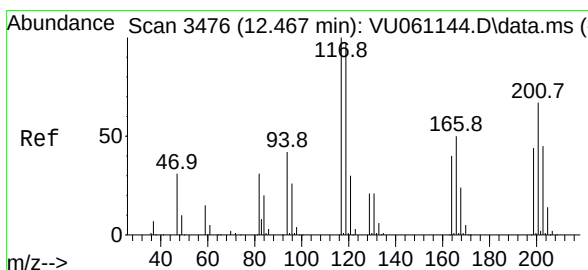
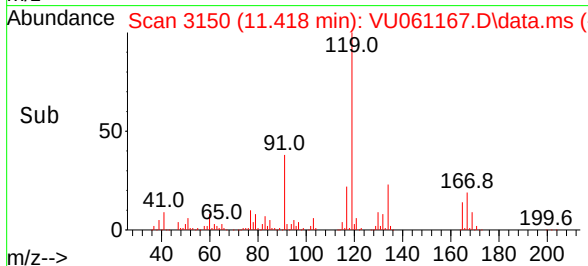
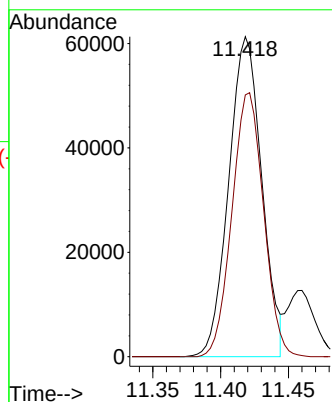
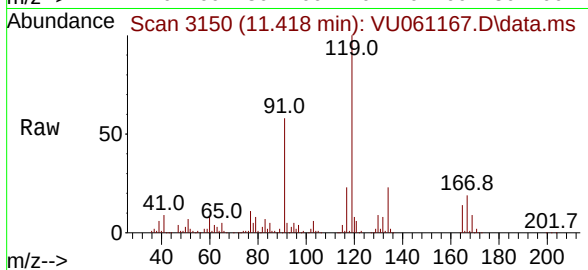
ClientSampleId :

Tgt Ion:117 Resp: 103824

Ion Ratio Lower Upper

117 100

167 79.1 63.4 95.2



#62

Hexachloroethane

Concen: 11.009 ug/l

RT: 12.466 min Scan# 3476

Delta R.T. -0.000 min

Lab File: VU061167.D

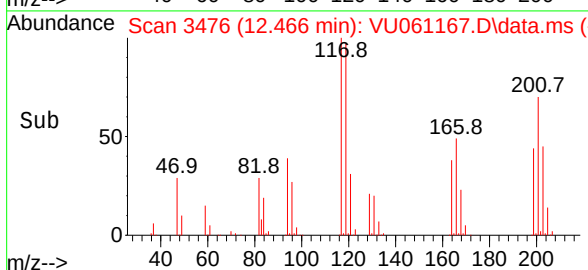
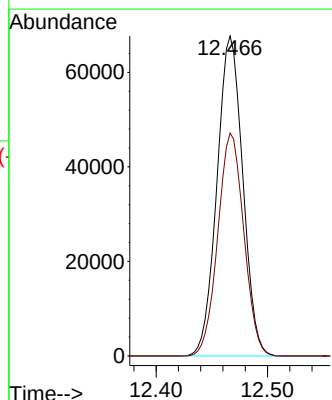
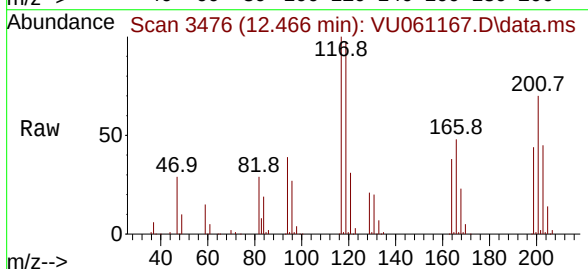
Acq: 21 Oct 2024 12:23

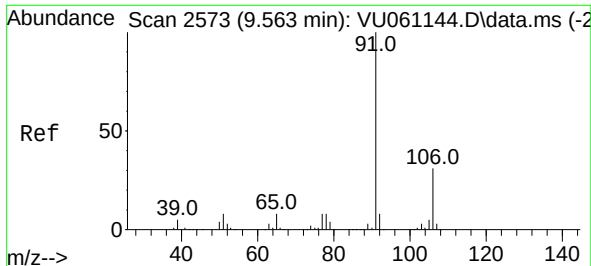
Tgt Ion:117 Resp: 108960

Ion Ratio Lower Upper

117 100

201 70.2 54.3 81.5





#63

Ethyl Benzene

Concen: 10.211 ug/l

RT: 9.563 min Scan# 2573

Delta R.T. -0.000 min

Lab File: VU061167.D

Acq: 21 Oct 2024 12:23

Instrument :

MSVOA\_U

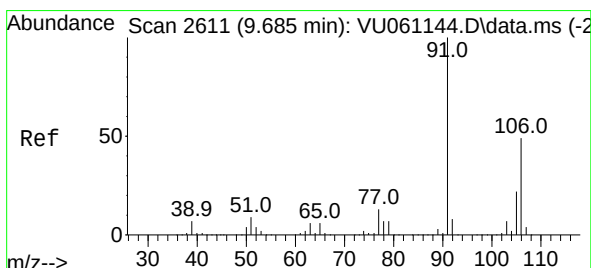
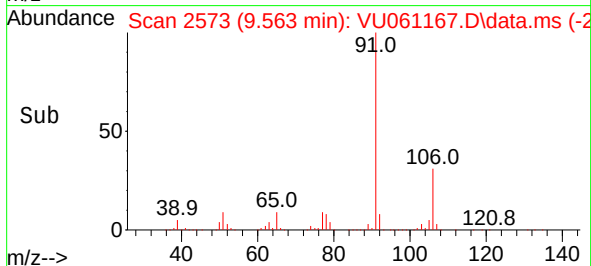
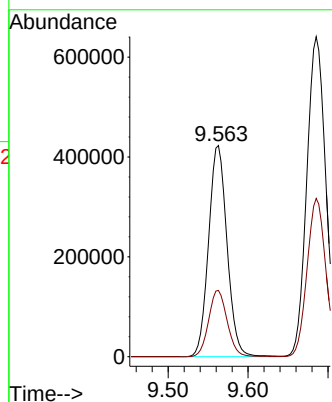
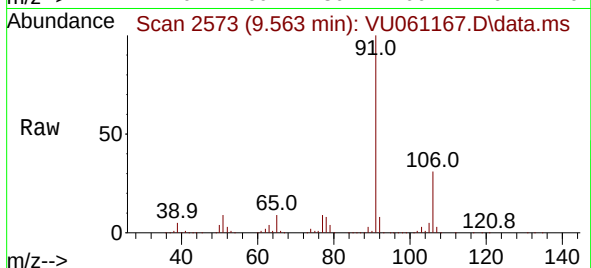
ClientSampleId :

Tgt Ion: 91 Resp: 680625

Ion Ratio Lower Upper

91 100

106 31.4 24.6 37.0



#64

m/p-Xylenes

Concen: 20.629 ug/l

RT: 9.685 min Scan# 2611

Delta R.T. -0.000 min

Lab File: VU061167.D

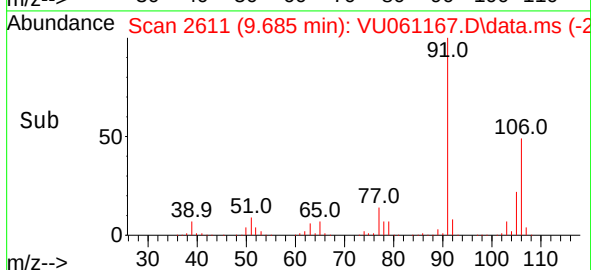
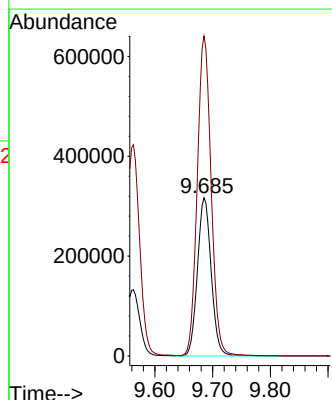
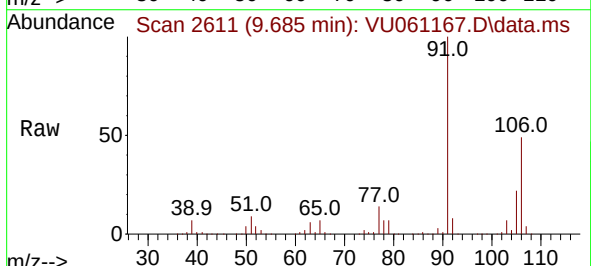
Acq: 21 Oct 2024 12:23

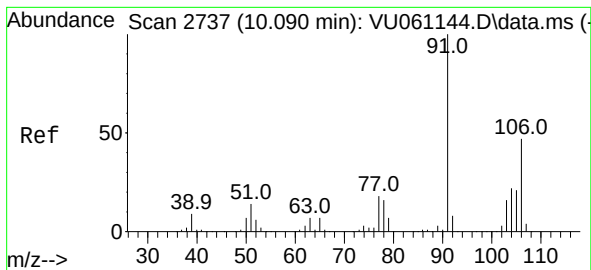
Tgt Ion:106 Resp: 523346

Ion Ratio Lower Upper

106 100

91 203.7 163.3 244.9

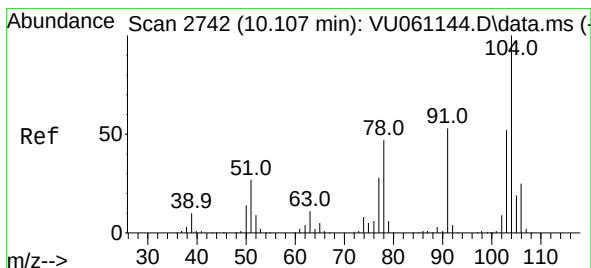
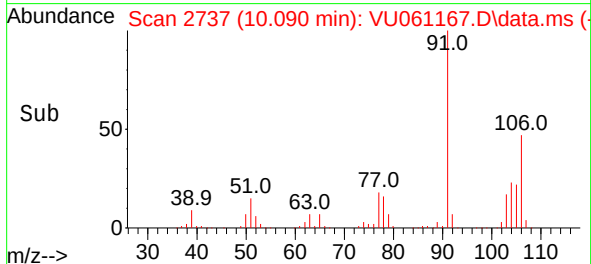
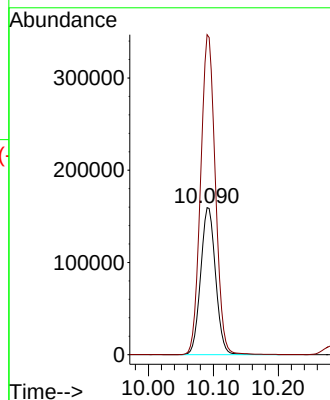
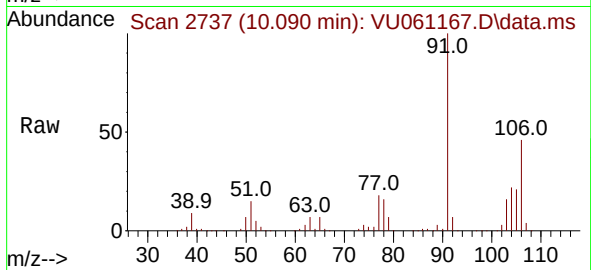




#65  
o-Xylene  
Concen: 10.213 ug/l  
RT: 10.090 min Scan# 2737  
Delta R.T. -0.000 min  
Lab File: VU061167.D  
Acq: 21 Oct 2024 12:23

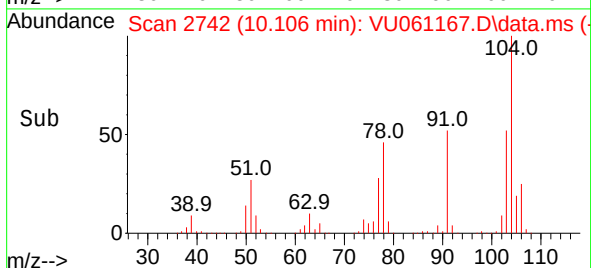
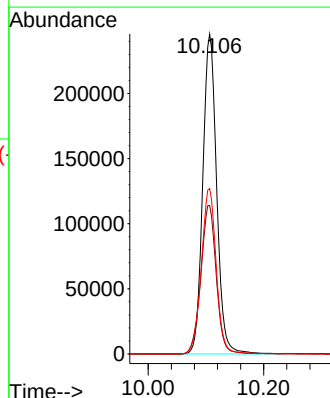
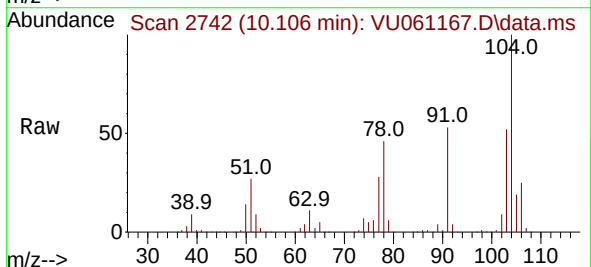
Instrument :  
MSVOA\_U  
ClientSampleId :

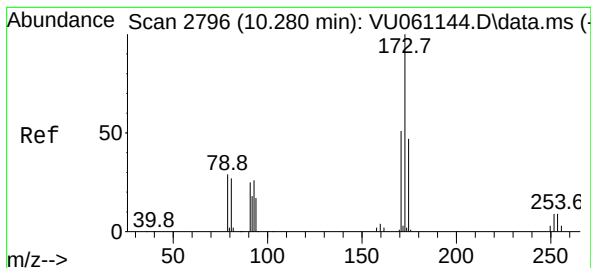
Tgt Ion:106 Resp: 255189  
Ion Ratio Lower Upper  
106 100  
91 215.3 106.9 320.8



#66  
Styrene  
Concen: 10.552 ug/l  
RT: 10.106 min Scan# 2742  
Delta R.T. -0.000 min  
Lab File: VU061167.D  
Acq: 21 Oct 2024 12:23

Tgt Ion:104 Resp: 410079  
Ion Ratio Lower Upper  
104 100  
78 51.2 41.6 62.4  
103 55.6 45.0 67.6





#67

Bromoform

Concen: 10.946 ug/l

RT: 10.283 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU061167.D

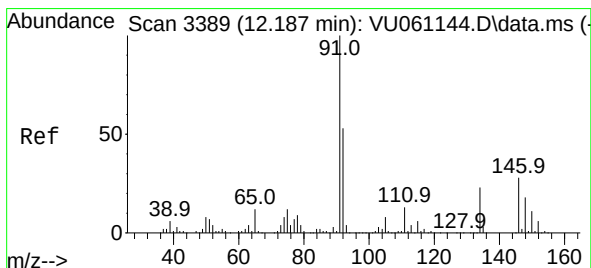
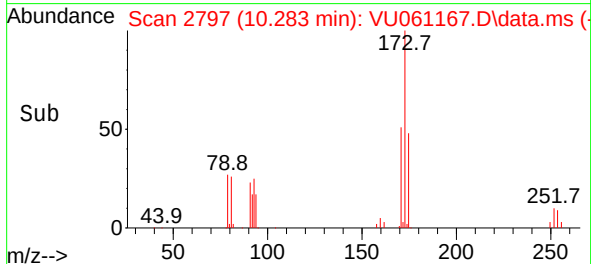
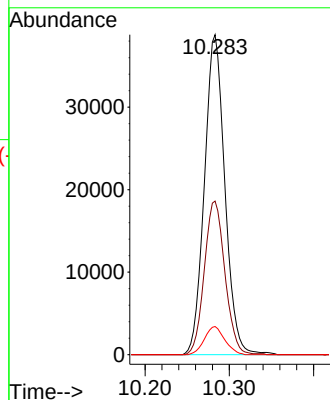
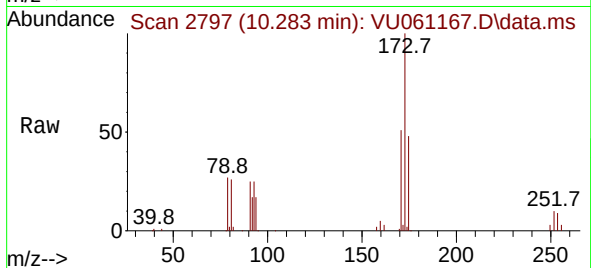
Acq: 21 Oct 2024 12:23

Instrument :

MSVOA\_U

ClientSampleId :

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 173   | Resp: | 65530 |
| Ion Ratio | Lower | Upper |       |
| 173       | 100   |       |       |
| 175       | 48.2  | 37.8  | 56.8  |
| 254       | 8.8   | 7.0   | 10.4  |



#68

1,2-Dichlorobenzene-d4

Concen: 1.002 ug/l

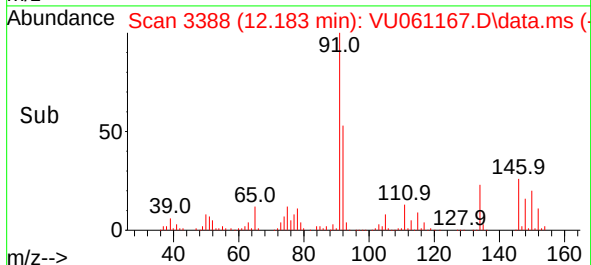
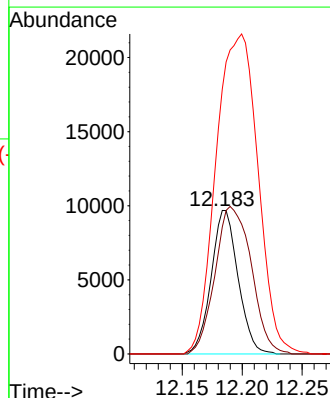
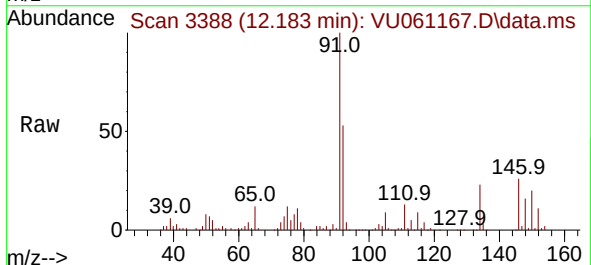
RT: 12.183 min Scan# 3388

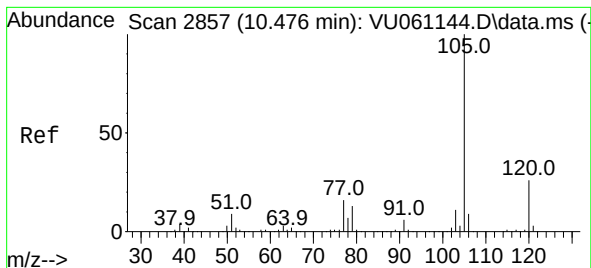
Delta R.T. -0.003 min

Lab File: VU061167.D

Acq: 21 Oct 2024 12:23

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 152   | Resp: | 15117 |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 115       | 138.1 | 0.0   | 275.0 |
| 150       | 346.7 | 0.0   | 668.8 |





#69

Isopropylbenzene

Concen: 10.303 ug/l

RT: 10.476 min Scan# 2857

Delta R.T. -0.000 min

Lab File: VU061167.D

Acq: 21 Oct 2024 12:23

Instrument :

MSVOA\_U

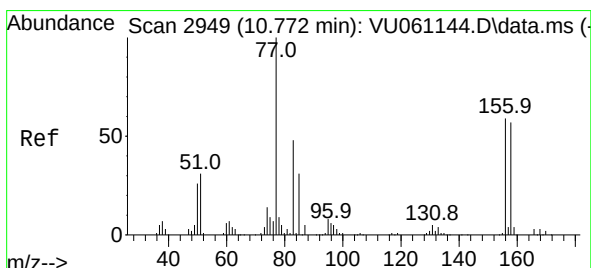
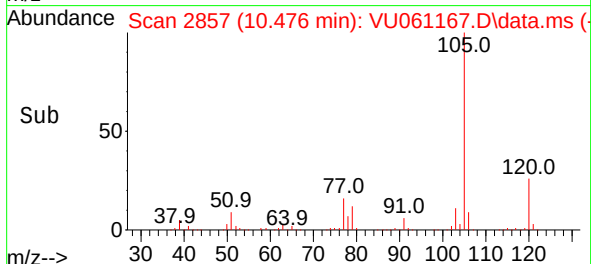
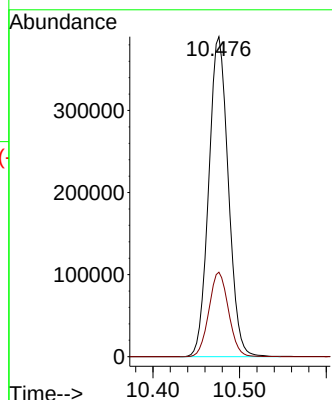
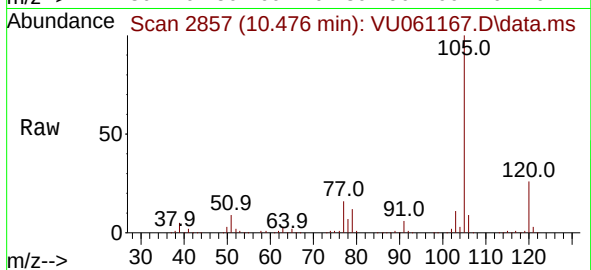
ClientSampleId :

Tgt Ion:105 Resp: 612443

Ion Ratio Lower Upper

105 100

120 26.5 13.1 39.1



#70

1,1,2,2-Tetrachloroethane

Concen: 10.423 ug/l

RT: 10.772 min Scan# 2949

Delta R.T. -0.000 min

Lab File: VU061167.D

Acq: 21 Oct 2024 12:23

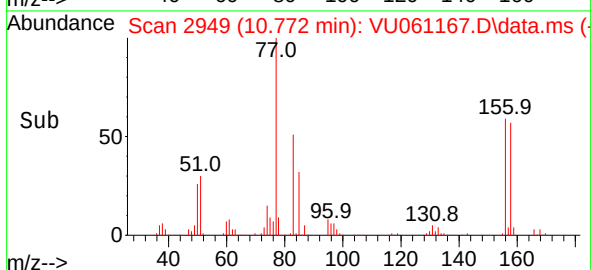
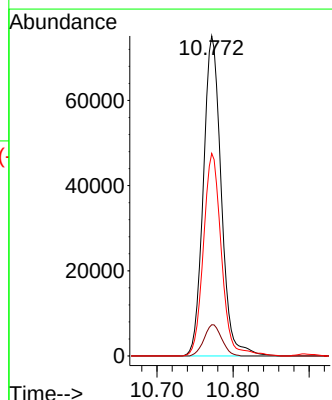
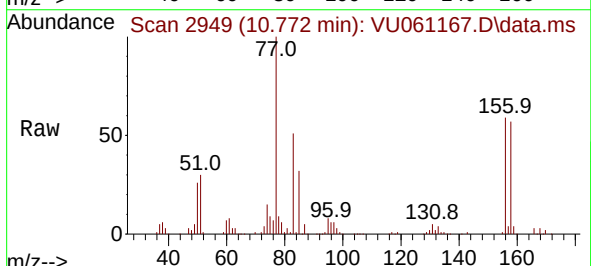
Tgt Ion: 83 Resp: 122607

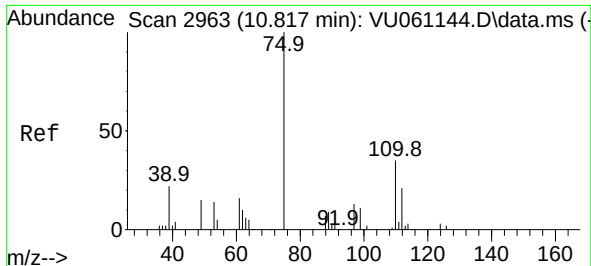
Ion Ratio Lower Upper

83 100

131 9.7 7.8 11.8

85 63.7 50.8 76.2



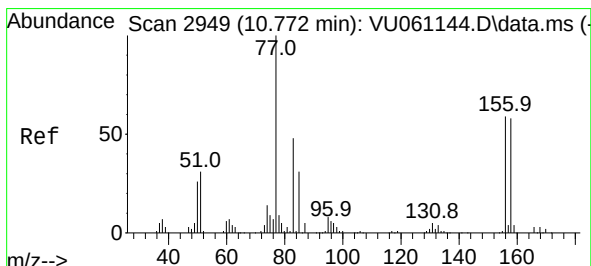
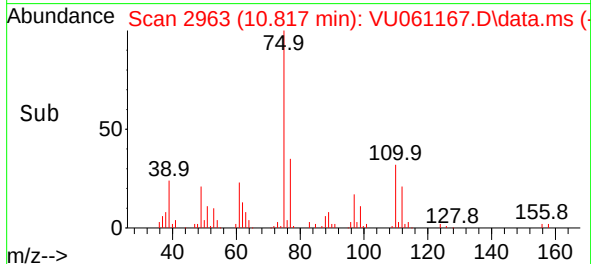
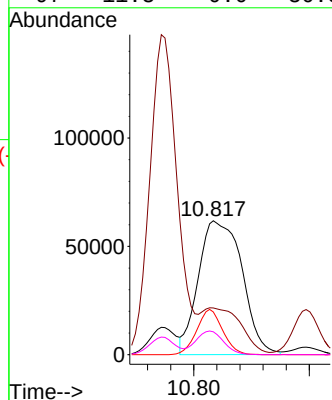
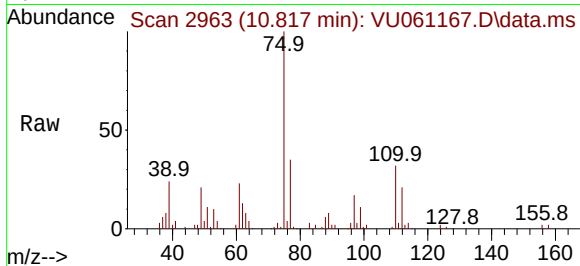


#71  
1,2,3-Trichloropropane  
Concen: 16.961 ug/l  
RT: 10.817 min Scan# 2963  
Delta R.T. -0.000 min  
Lab File: VU061167.D  
Acq: 21 Oct 2024 12:23

Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion: 75 Resp: 162484

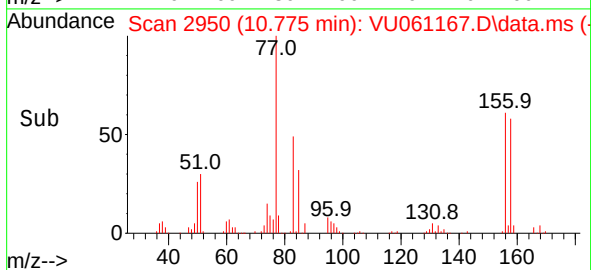
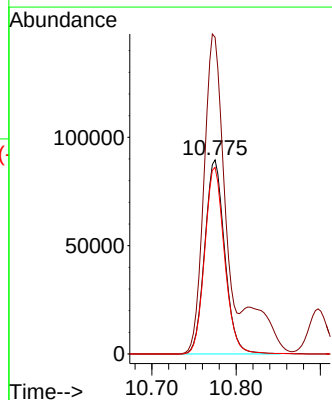
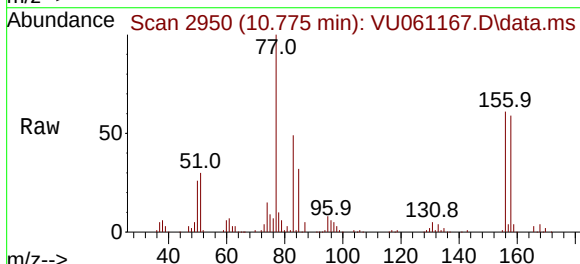
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 77  | 0.0   | 0.0   | 0.0   |
| 110 | 20.0  | 0.0   | 68.6  |
| 97  | 11.3  | 0.0   | 36.8  |

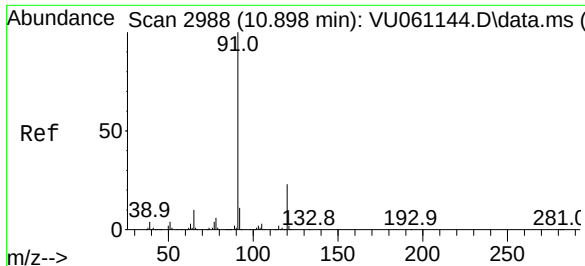


#72  
Bromobenzene  
Concen: 10.312 ug/l  
RT: 10.775 min Scan# 2950  
Delta R.T. 0.003 min  
Lab File: VU061167.D  
Acq: 21 Oct 2024 12:23

Tgt Ion: 156 Resp: 147387

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 156 | 100   |       |       |
| 77  | 167.6 | 0.0   | 337.2 |
| 158 | 96.1  | 0.0   | 192.8 |

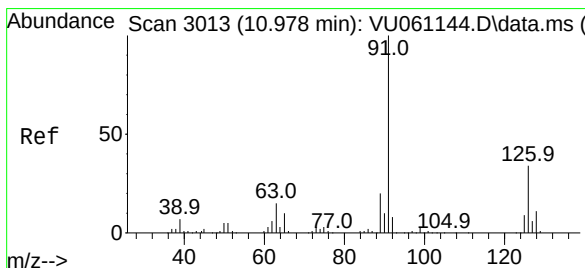
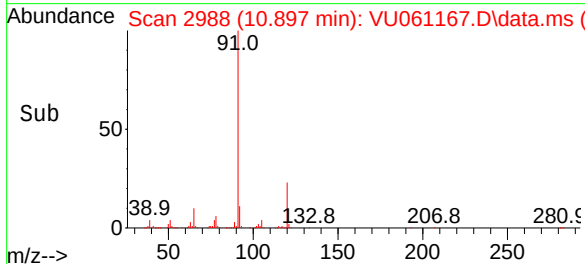
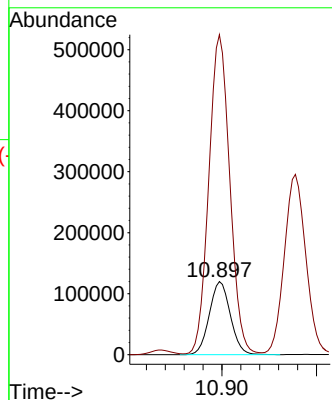
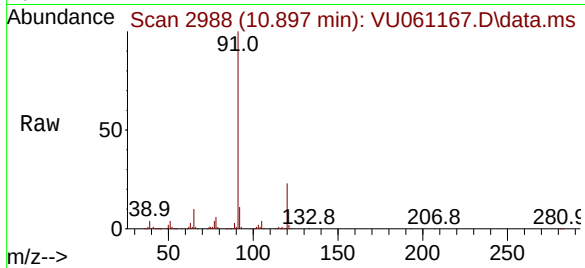




#73  
n-propylbenzene  
Concen: 10.649 ug/l  
RT: 10.897 min Scan# 2988  
Delta R.T. -0.000 min  
Lab File: VU061167.D  
Acq: 21 Oct 2024 12:23

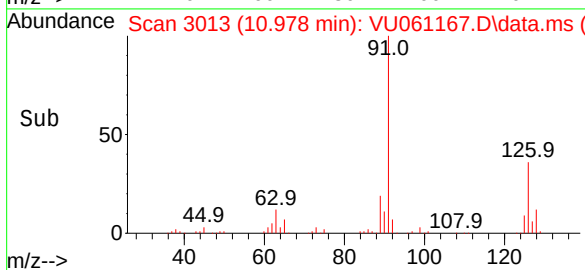
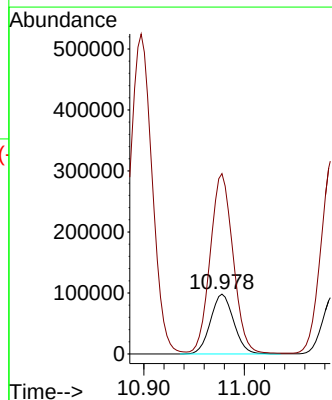
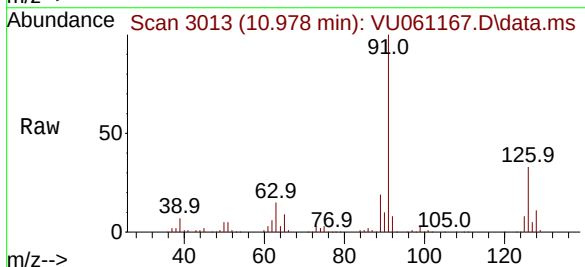
Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion:120 Resp: 184715  
Ion Ratio Lower Upper  
120 100  
91 435.1 353.6 530.4

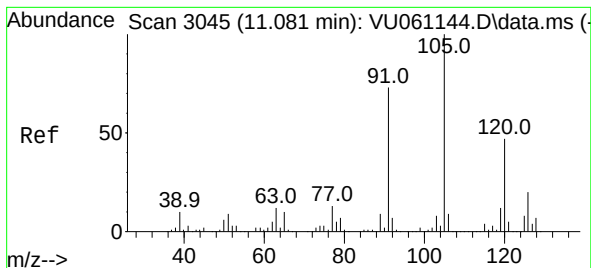


#74  
2-Chlorotoluene  
Concen: 10.451 ug/l  
RT: 10.978 min Scan# 3013  
Delta R.T. -0.000 min  
Lab File: VU061167.D  
Acq: 21 Oct 2024 12:23

Tgt Ion:126 Resp: 156793  
Ion Ratio Lower Upper  
126 100  
91 296.6 0.0 595.2



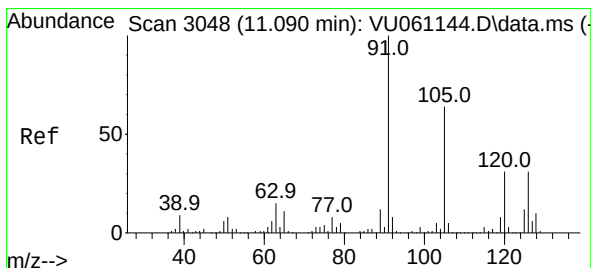
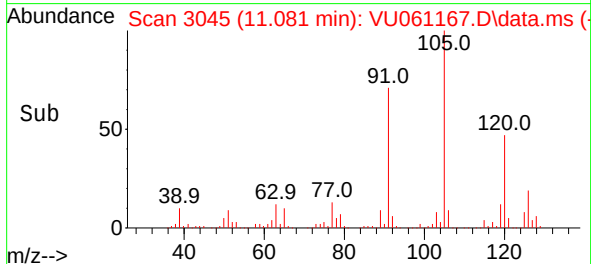
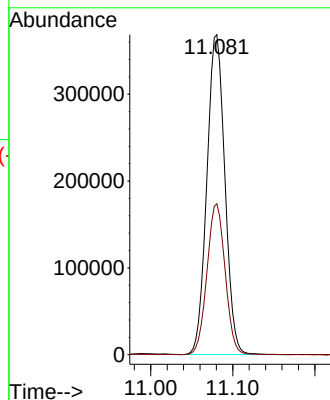
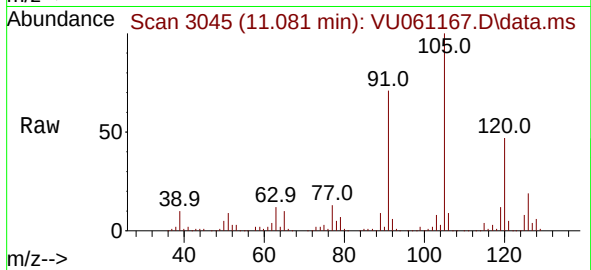




#75  
1,3,5-Trimethylbenzene  
Concen: 10.481 ug/l  
RT: 11.081 min Scan# 3045  
Delta R.T. -0.000 min  
Lab File: VU061167.D  
Acq: 21 Oct 2024 12:23

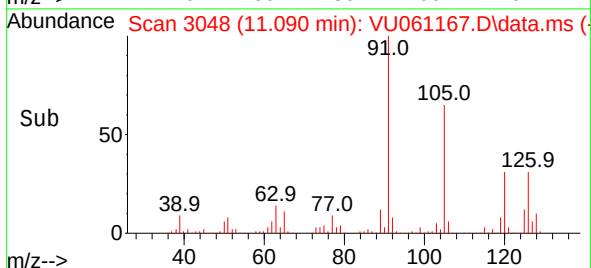
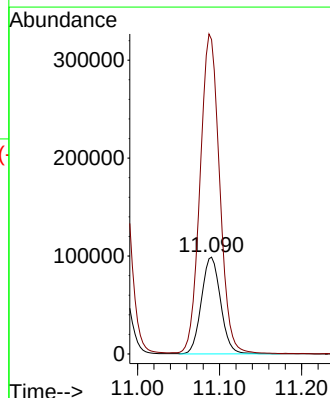
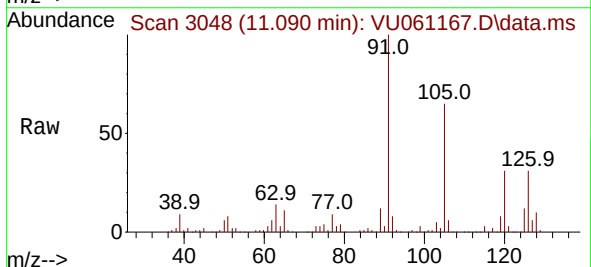
Instrument :  
MSVOA\_U  
ClientSampleId :

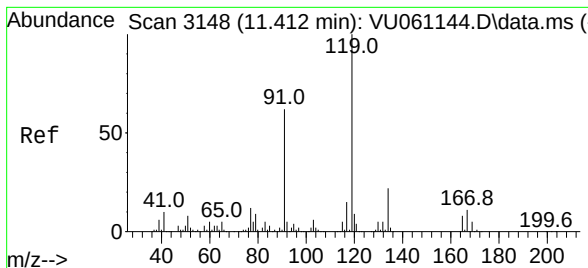
Tgt Ion:105 Resp: 561753  
Ion Ratio Lower Upper  
105 100  
120 47.6 38.0 57.0



#76  
4-Chlorotoluene  
Concen: 10.493 ug/l  
RT: 11.090 min Scan# 3048  
Delta R.T. -0.000 min  
Lab File: VU061167.D  
Acq: 21 Oct 2024 12:23

Tgt Ion:126 Resp: 160002  
Ion Ratio Lower Upper  
126 100  
91 337.2 0.0 678.2





#77

tert-Butylbenzene

Concen: 10.443 ug/l

RT: 11.412 min Scan# 3148

Delta R.T. -0.000 min

Lab File: VU061167.D

Acq: 21 Oct 2024 12:23

Instrument :

MSVOA\_U

ClientSampleId :

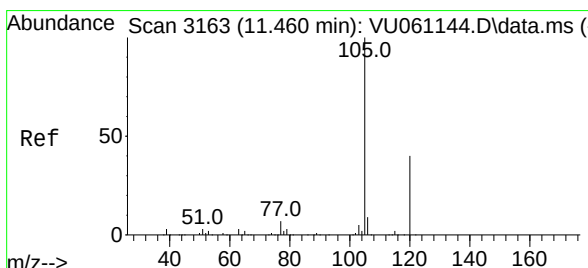
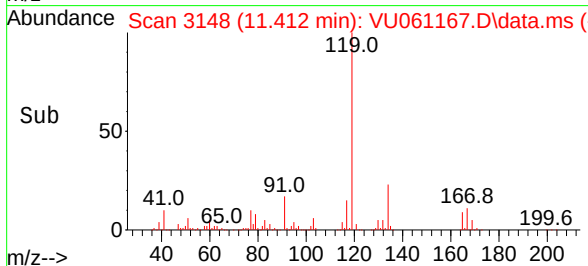
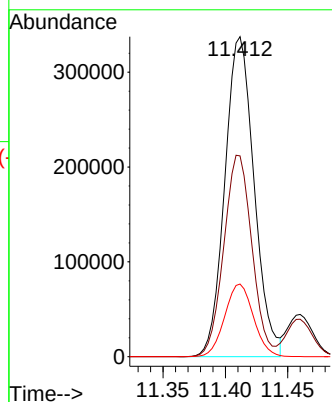
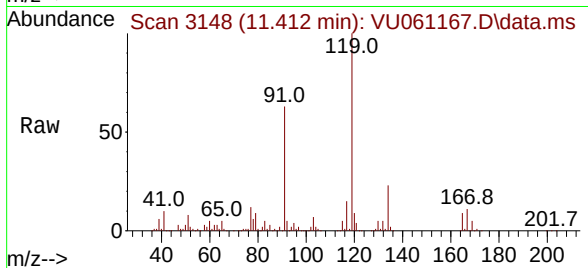
Tgt Ion:119 Resp: 553233

Ion Ratio Lower Upper

119 100

91 60.6 30.1 90.5

134 22.3 17.5 26.3



#78

1,2,4-Trimethylbenzene

Concen: 10.416 ug/l

RT: 11.460 min Scan# 3163

Delta R.T. -0.000 min

Lab File: VU061167.D

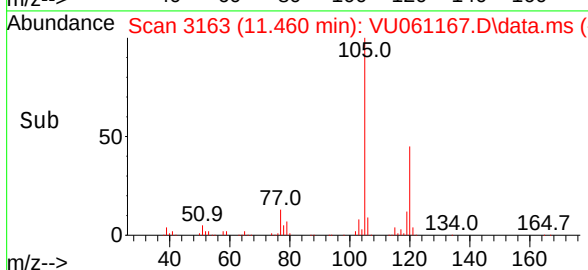
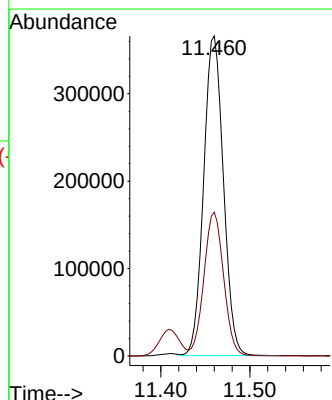
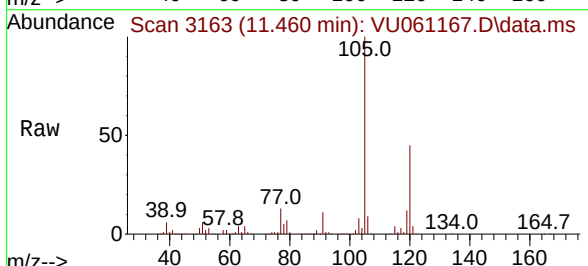
Acq: 21 Oct 2024 12:23

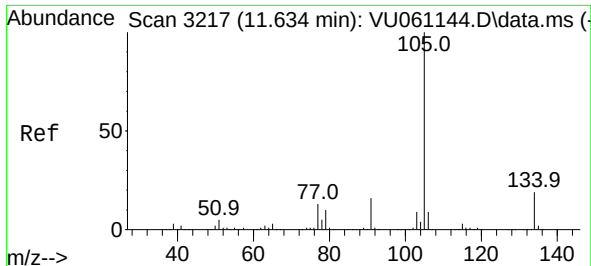
Tgt Ion:105 Resp: 563619

Ion Ratio Lower Upper

105 100

120 44.8 22.3 66.9





#79

sec-Butylbenzene

Concen: 10.584 ug/l

RT: 11.634 min Scan# 3217

Delta R.T. -0.000 min

Lab File: VU061167.D

Acq: 21 Oct 2024 12:23

Instrument :

MSVOA\_U

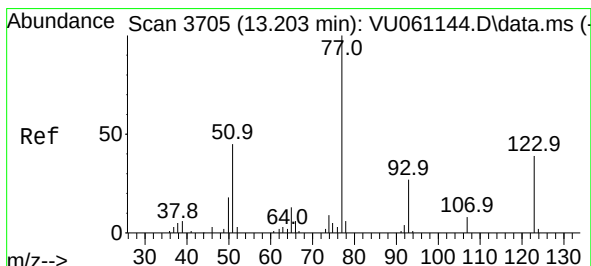
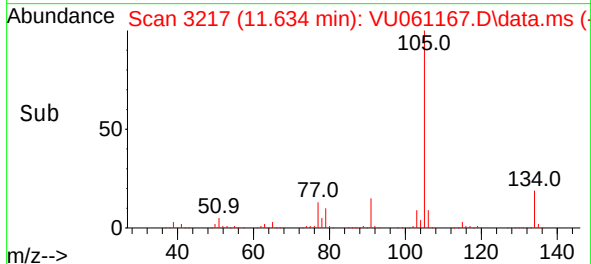
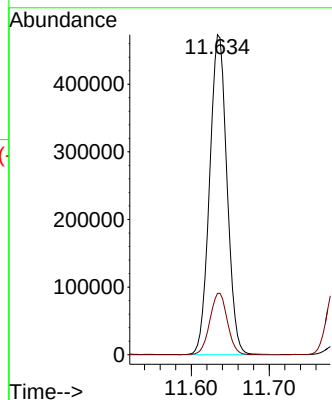
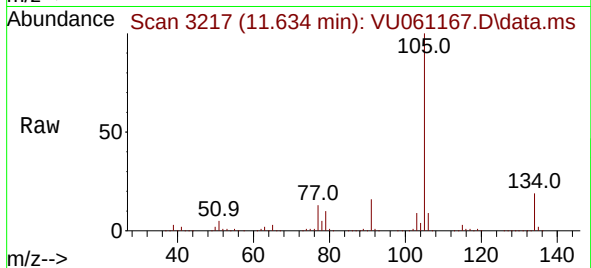
ClientSampleId :

Tgt Ion:105 Resp: 730245

Ion Ratio Lower Upper

105 100

134 19.4 15.5 23.3



#80

Nitrobenzene

Concen: 47.117 ug/l

RT: 13.206 min Scan# 3706

Delta R.T. 0.003 min

Lab File: VU061167.D

Acq: 21 Oct 2024 12:23

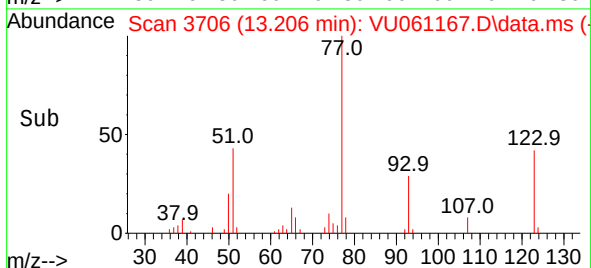
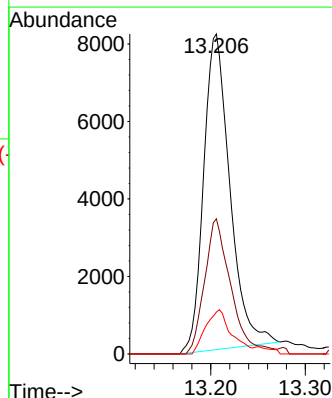
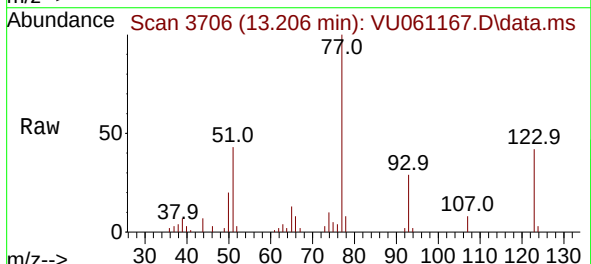
Tgt Ion: 77 Resp: 15769

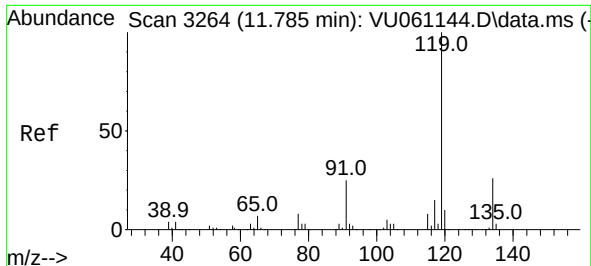
Ion Ratio Lower Upper

77 100

123 40.6 15.6 55.2

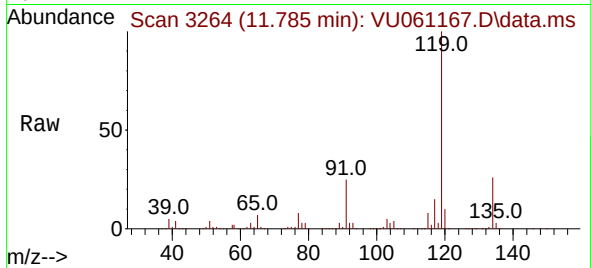
65 11.9 10.7 13.7



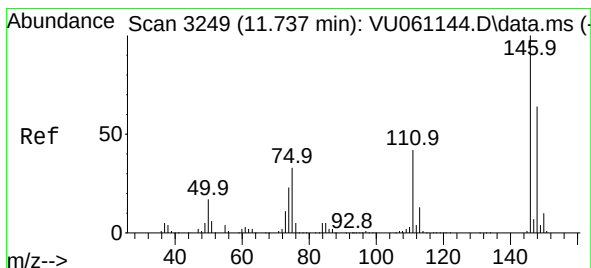
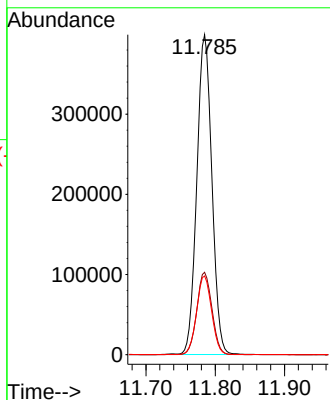
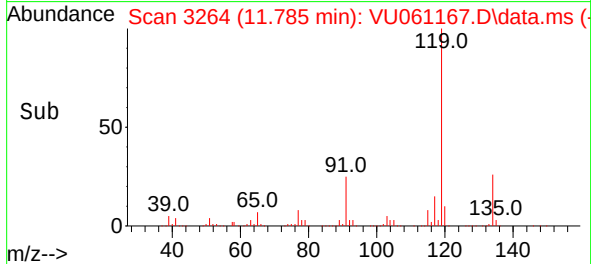


#81  
 p-Isopropyltoluene  
 Concen: 10.541 ug/l  
 RT: 11.785 min Scan# 31  
 Delta R.T. -0.000 min  
 Lab File: VU061167.D  
 Acq: 21 Oct 2024 12:23

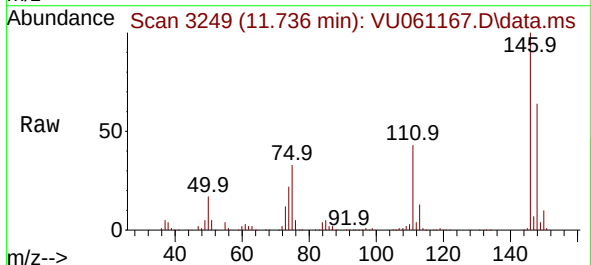
Instrument :  
 MSVOA\_U  
 ClientSampleId :



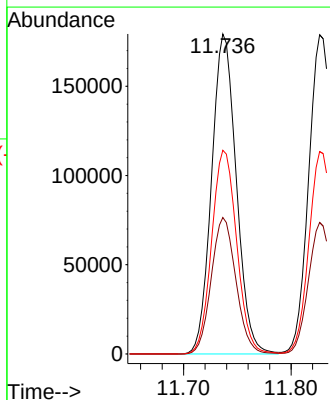
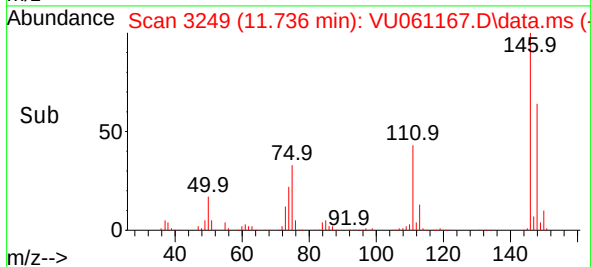
Tgt Ion:119 Resp: 602107  
 Ion Ratio Lower Upper  
 119 100  
 134 26.0 21.0 31.6  
 91 24.4 19.8 29.8

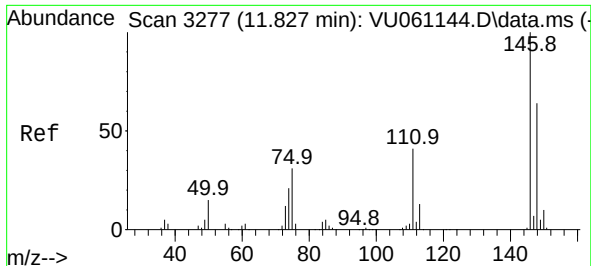


#82  
 1,3-Dichlorobenzene  
 Concen: 10.454 ug/l  
 RT: 11.736 min Scan# 3249  
 Delta R.T. -0.000 min  
 Lab File: VU061167.D  
 Acq: 21 Oct 2024 12:23



Tgt Ion:146 Resp: 286667  
 Ion Ratio Lower Upper  
 146 100  
 111 42.5 34.1 51.1  
 148 64.4 51.2 76.8





#83

1,4-Dichlorobenzene

Concen: 10.609 ug/l

RT: 11.826 min Scan# 3277

Delta R.T. -0.000 min

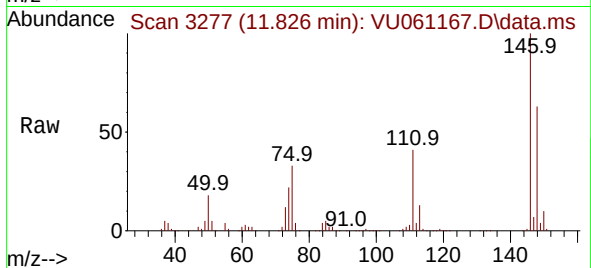
Lab File: VU061167.D

Acq: 21 Oct 2024 12:23

Instrument :

MSVOA\_U

ClientSampleId :



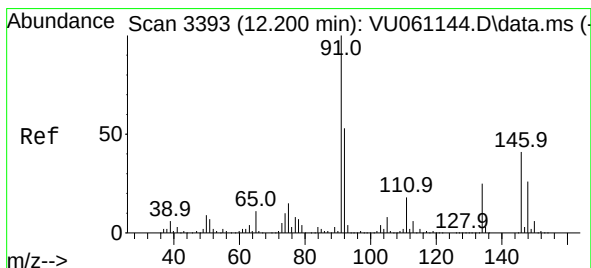
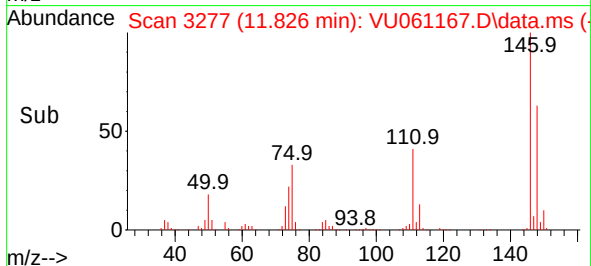
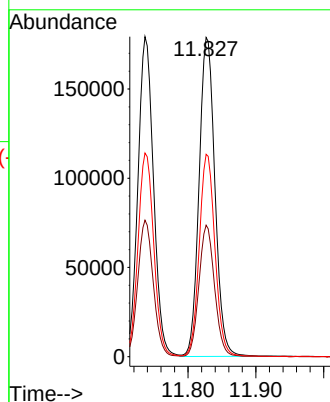
Tgt Ion:146 Resp: 290088

Ion Ratio Lower Upper

146 100

111 40.6 32.1 48.1

148 63.0 50.3 75.5



#84

n-Butylbenzene

Concen: 10.751 ug/l

RT: 12.199 min Scan# 3393

Delta R.T. -0.000 min

Lab File: VU061167.D

Acq: 21 Oct 2024 12:23

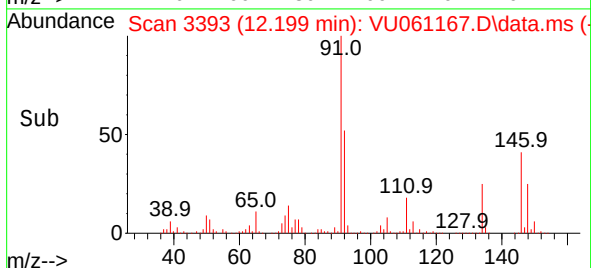
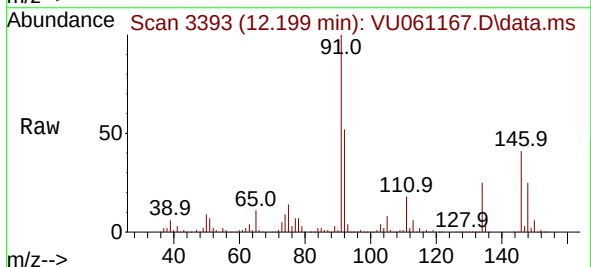
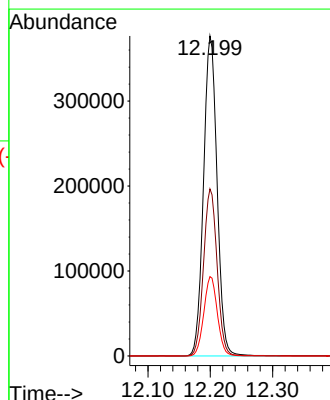
Tgt Ion: 91 Resp: 569735

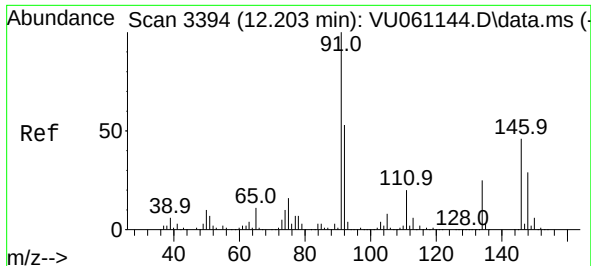
Ion Ratio Lower Upper

91 100

92 52.3 41.8 62.8

134 24.8 19.7 29.5





#85

1,2-Dichlorobenzene

Concen: 10.576 ug/l

RT: 12.203 min Scan# 3394

Delta R.T. -0.000 min

Lab File: VU061167.D

Acq: 21 Oct 2024 12:23

Instrument :

MSVOA\_U

ClientSampleId :

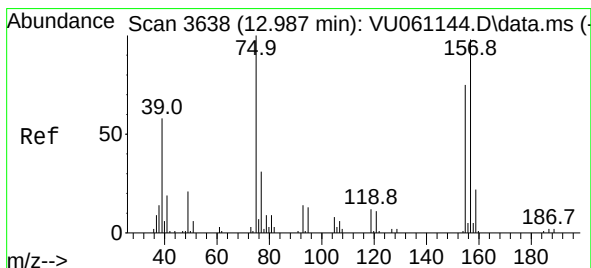
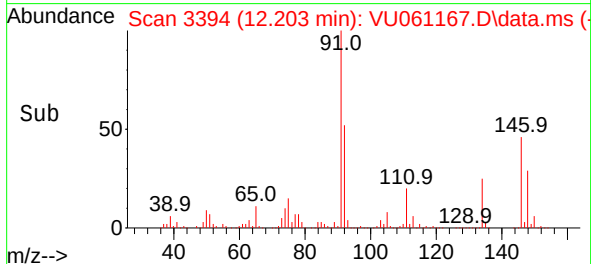
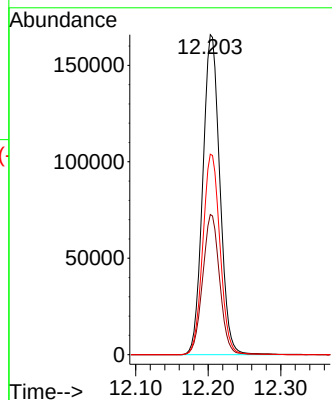
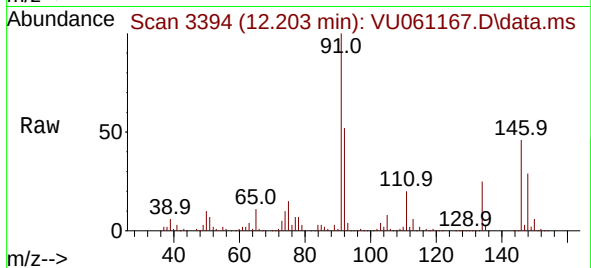
Tgt Ion:146 Resp: 271166

Ion Ratio Lower Upper

146 100

111 43.7 21.9 65.7

148 63.2 31.9 95.5



#86

1,2-Dibromo-3-Chloropropane

Concen: 11.468 ug/l

RT: 12.987 min Scan# 3638

Delta R.T. -0.000 min

Lab File: VU061167.D

Acq: 21 Oct 2024 12:23

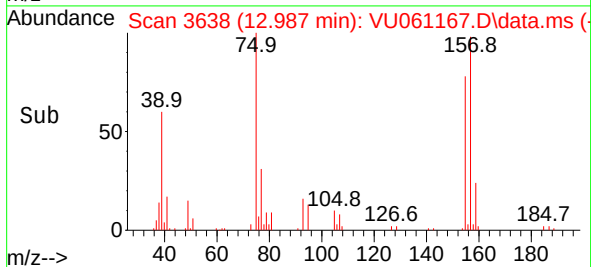
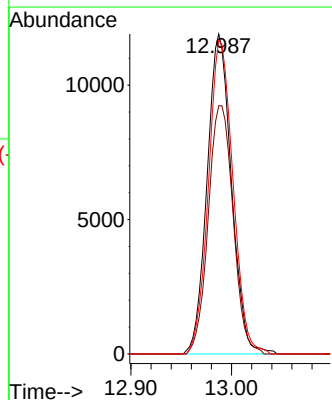
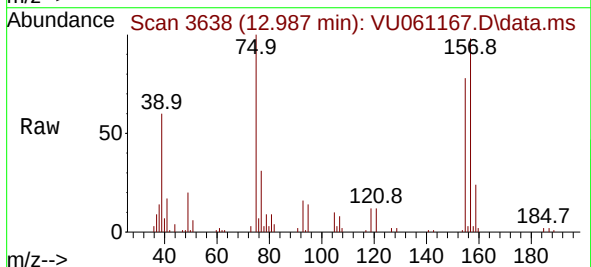
Tgt Ion: 75 Resp: 20017

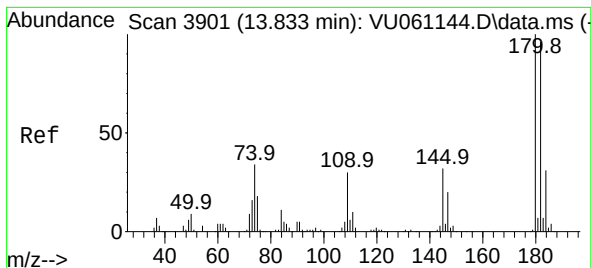
Ion Ratio Lower Upper

75 100

155 79.2 61.4 92.0

157 98.8 78.5 117.7





#87

1,2,4-Trichlorobenzene

Concen: 11.373 ug/l

RT: 13.833 min Scan# 3901

Delta R.T. -0.000 min

Lab File: VU061167.D

Acq: 21 Oct 2024 12:23

Instrument :

MSVOA\_U

ClientSampleId :

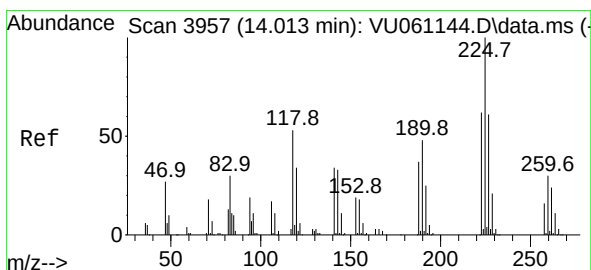
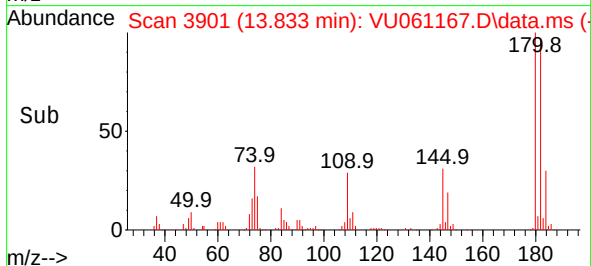
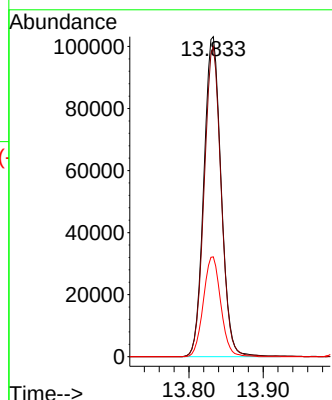
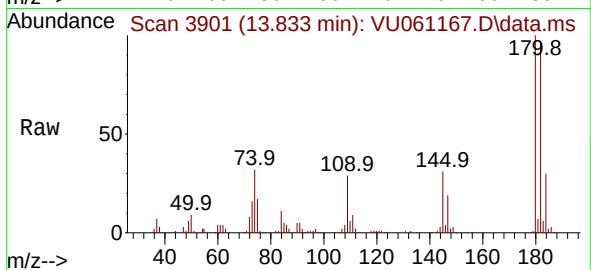
Tgt Ion:180 Resp: 166753

Ion Ratio Lower Upper

180 100

182 95.2 77.0 115.6

145 31.5 25.7 38.5



#88

Hexachlorobutadiene

Concen: 10.991 ug/l

RT: 14.013 min Scan# 3957

Delta R.T. -0.000 min

Lab File: VU061167.D

Acq: 21 Oct 2024 12:23

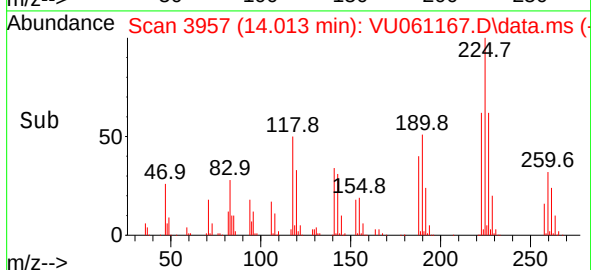
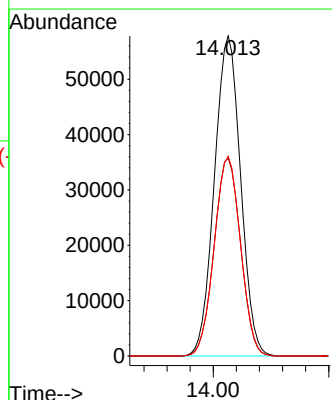
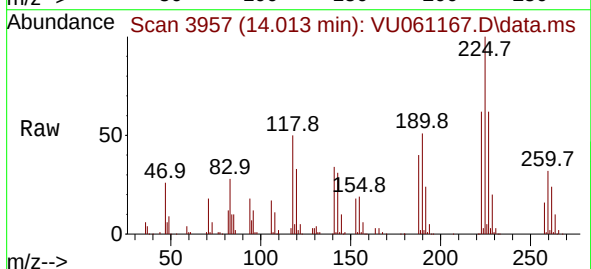
Tgt Ion:225 Resp: 91129

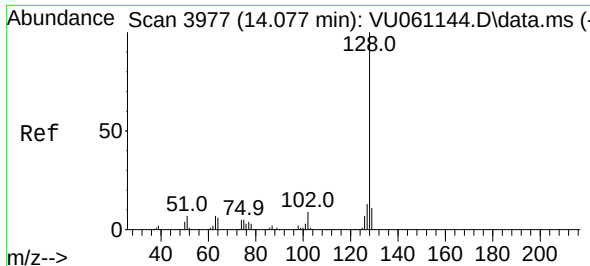
Ion Ratio Lower Upper

225 100

223 62.4 51.4 77.2

227 62.5 50.3 75.5

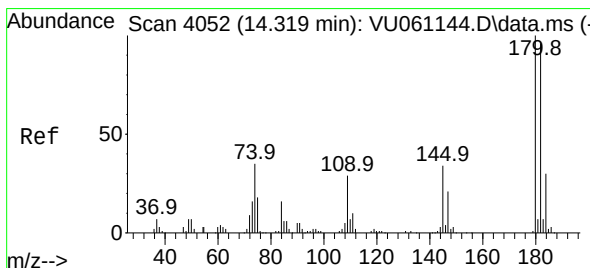
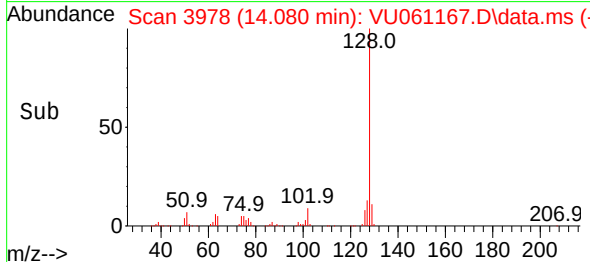
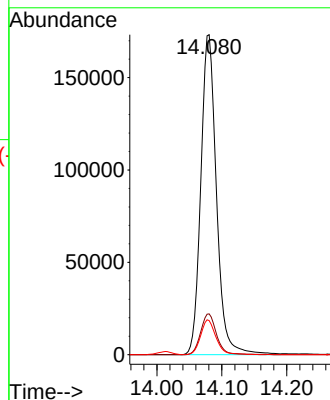
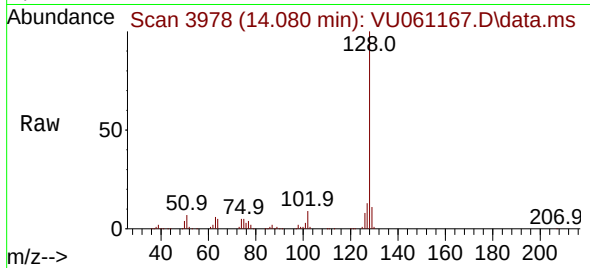




#89  
Naphthalene  
Concen: 11.262 ug/l  
RT: 14.080 min Scan# 3977  
Delta R.T. 0.003 min  
Lab File: VU061167.D  
Acq: 21 Oct 2024 12:23

Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion:128 Resp: 291407  
Ion Ratio Lower Upper  
128 100  
127 12.9 10.6 16.0  
129 10.7 8.7 13.1



#90  
1,2,3-Trichlorobenzene  
Concen: 11.318 ug/l  
RT: 14.322 min Scan# 4053  
Delta R.T. 0.003 min  
Lab File: VU061167.D  
Acq: 21 Oct 2024 12:23

Tgt Ion:180 Resp: 149091  
Ion Ratio Lower Upper  
180 100  
182 94.9 76.2 114.4  
145 32.9 26.8 40.2

