

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU021225\  
 Data File : VU063258.D  
 Acq On : 12 Feb 2025 16:44  
 Operator : MD/SY  
 Sample : Q1168-08  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Feb 13 03:50:59 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U021025DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Thu Feb 13 03:48:32 2025  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon | Response | Conc  | Units   | Dev(Min) |
|------------------------------|--------|------|----------|-------|---------|----------|
| -----                        |        |      |          |       |         |          |
| Internal Standards           |        |      |          |       |         |          |
| 1) Fluorobenzene             | 6.107  | 96   | 49054    | 1.000 | ug/l    | # 0.00   |
| System Monitoring Compounds  |        |      |          |       |         |          |
| 57) 4-Bromofluorobenzene     | 10.627 | 95   | 14348    | 0.887 | ug/l    | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =     | 89.000% |          |
| 68) 1,2-Dichlorobenzene-d4   | 12.187 | 152  | 14745    | 0.876 | ug/l    | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =     | 88.000% |          |
| Target Compounds             |        |      |          |       |         |          |
|                              |        |      |          |       |         | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.380  | 85   | 8573     | 0.538 | ug/l    | 89       |
| 3) Chloromethane             | 1.518  | 50   | 10069    | 0.549 | ug/l    | 96       |
| 4) Vinyl Chloride            | 1.599  | 62   | 9468     | 0.521 | ug/l    | 96       |
| 5) Bromomethane              | 1.846  | 94   | 5651     | 0.637 | ug/l    | 94       |
| 6) Chloroethane              | 1.923  | 64   | 6034     | 0.528 | ug/l    | # 88     |
| 7) Trichlorofluoromethane    | 2.129  | 101  | 11309    | 0.526 | ug/l    | 93       |
| 8) 1,1,2-Trichloro-1,2,2-... | 2.570  | 101  | 6669     | 0.546 | ug/l    | 97       |
| 9) 1,1-Dichloroethene        | 2.570  | 96   | 6612     | 0.531 | ug/l    | 99       |
| 10) Iodomethane              | 2.711  | 142  | 10072    | 0.515 | ug/l    | 99       |
| 11) Allyl Chloride           | 2.914  | 41   | 9214     | 0.515 | ug/l    | 99       |
| 12) Acrylonitrile            | 3.332  | 53   | 2816     | 0.981 | ug/l    | # 87     |
| 13) Acetone                  | 2.618  | 43   | 6540     | 2.963 | ug/l    | 97       |
| 14) Carbon Disulfide         | 2.782  | 76   | 23110    | 0.531 | ug/l    | 97       |
| 15) Methylene Chloride       | 3.033  | 84   | 9005     | 0.586 | ug/l    | 98       |
| 16) trans-1,2-Dichloroethene | 3.345  | 96   | 7423     | 0.523 | ug/l    | 94       |
| 17) 1,1-Dichloroethane       | 3.856  | 63   | 14079    | 0.526 | ug/l    | 95       |
| 18) 2-Butanone               | 4.724  | 43   | 6361     | 1.811 | ug/l    | 96       |
| 19) Cyclohexane              | 5.373  | 56   | 9312     | 0.433 | ug/l    | 92       |
| 20) Methylcyclohexane        | 6.750  | 83   | 9762     | 0.458 | ug/l    | 96       |
| 21) 2,2-Dichloropropane      | 4.647  | 77   | 10744    | 0.514 | ug/l    | 92       |
| 22) cis-1,2-Dichloroethene   | 4.660  | 96   | 7719     | 0.503 | ug/l    | 96       |
| 23) Diethyl Ether            | 2.367  | 59   | 5469     | 0.512 | ug/l    | # 89     |
| 24) tert-Butyl Alcohol       | 3.174  | 59   | 11180    | 8.607 | ug/l    | # 85     |
| 25) Methyl tert-Butyl Ether  | 3.348  | 73   | 16079    | 0.517 | ug/l    | 99       |
| 26) Bromochloromethane       | 4.965  | 128  | 3239     | 0.483 | ug/l    | 90       |
| 27) Chloroform               | 5.078  | 83   | 14688    | 0.544 | ug/l    | 96       |
| 28) 1,1,1-Trichloroethane    | 5.303  | 97   | 11289    | 0.516 | ug/l    | 96       |
| 29) 1,1-Dichloropropene      | 5.521  | 75   | 9679     | 0.494 | ug/l    | 97       |
| 30) Carbon Tetrachloride     | 5.508  | 117  | 10051    | 0.535 | ug/l    | 86       |
| 31) Isopropyl Ether          | 3.978  | 45   | 18493    | 0.484 | ug/l    | 90       |
| 32) Ethyl-t-butyl ether      | 4.486  | 59   | 16950    | 0.488 | ug/l    | 98       |
| 33) Tert-Amyl methyl ether   | 5.926  | 73   | 13938    | 0.459 | ug/l    | 99       |
| 34) Propionitrile            | 4.798  | 54   | 879      | 0.830 | ug/l    | # 83     |
| 35) Benzene                  | 5.766  | 78   | 30255    | 0.502 | ug/l    | 98       |
| 36) 1,2-Dichloroethane       | 5.788  | 62   | 9564     | 0.550 | ug/l    | # 88     |
| 37) Trichloroethene          | 6.534  | 130  | 7701     | 0.537 | ug/l    | 99       |
| 38) 1,2-Dichloropropane      | 6.782  | 63   | 8409     | 0.533 | ug/l    | 100      |
| 39) Methacrylonitrile        | 4.994  | 41   | 1557     | 0.394 | ug/l    | # 66     |
| 40) Methyl acrylate          | 4.804  | 55   | 80       | 0.011 | ug/l    | # 69     |
| 41) Tetrahydrofuran          | 5.065  | 42   | 2383     | 1.038 | ug/l    | # 81     |
| 42) 1-Chlorobutane           | 5.454  | 56   | 13049    | 0.487 | ug/l    | 95       |
| 43) Dibromomethane           | 6.910  | 93   | 4261     | 0.533 | ug/l    | 98       |
| 44) Bromodichloromethane     | 7.097  | 83   | 10140    | 0.545 | ug/l    | 97       |

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 Sample : Q1168-08  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Feb 13 03:50:59 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U021025DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Thu Feb 13 03:48:32 2025  
 Response via : Initial Calibration

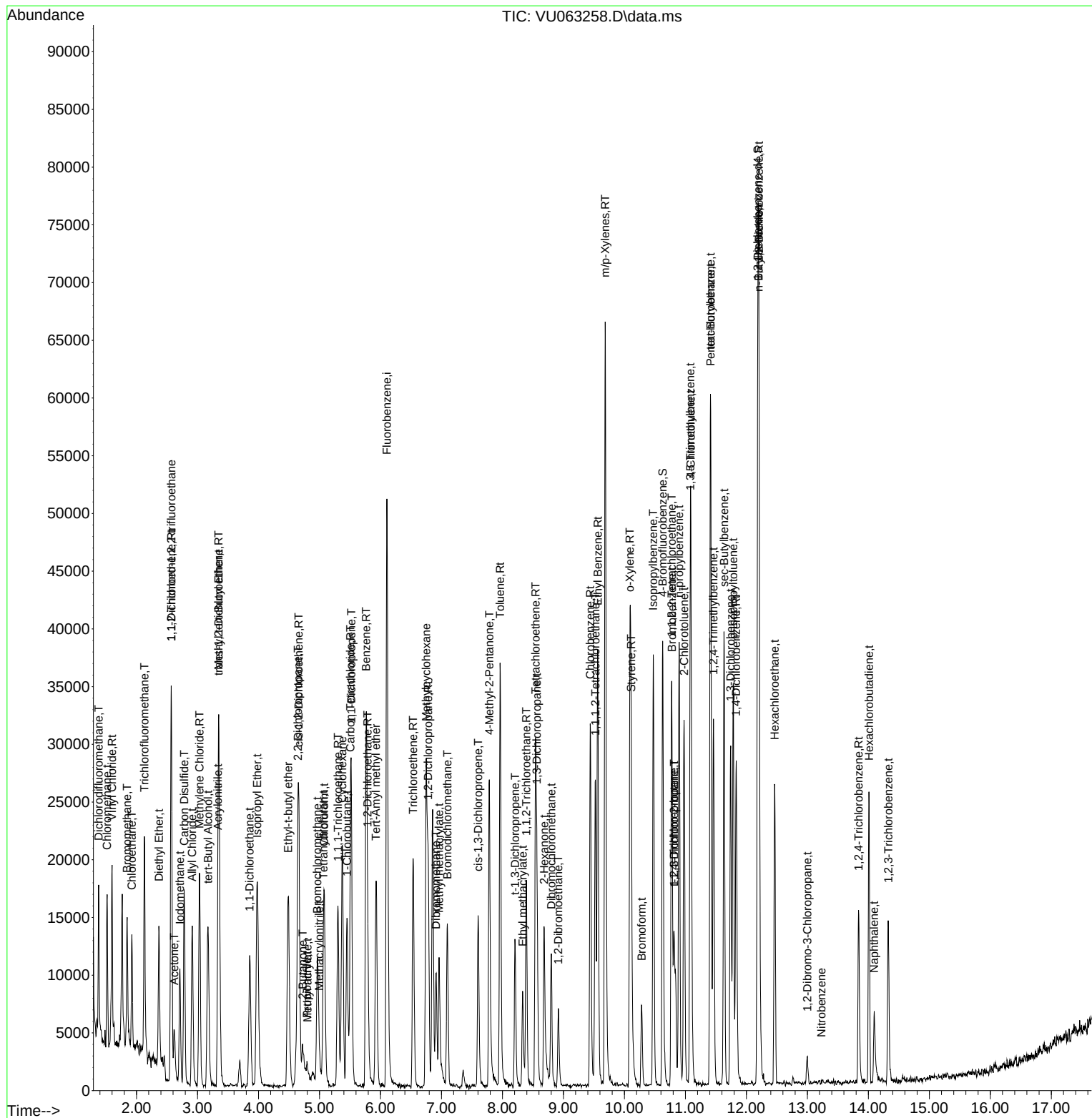
| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 45) 4-Methyl-2-Pentanone      | 7.785  | 43   | 18815    | 2.247 | ug/l   | 94       |
| 46) t-1,4-Dichloro-2-butene   | 10.814 | 75   | 7975     | 2.026 | ug/l # | 44       |
| 47) Methyl methacrylate       | 6.962  | 69   | 5571     | 0.828 | ug/l   | 100      |
| 48) Ethyl methacrylate        | 8.332  | 69   | 5233     | 0.414 | ug/l   | 96       |
| 49) Toluene                   | 7.962  | 92   | 16252    | 0.469 | ug/l   | 98       |
| 50) t-1,3-Dichloropropene     | 8.206  | 75   | 8104     | 0.476 | ug/l   | 94       |
| 51) cis-1,3-Dichloropropene   | 7.602  | 75   | 10115    | 0.481 | ug/l   | 98       |
| 52) 1,1,2-Trichloroethane     | 8.393  | 97   | 5925     | 0.550 | ug/l   | 92       |
| 53) 1,3-Dichloropropane       | 8.563  | 76   | 9839     | 0.515 | ug/l   | 98       |
| 54) 2-Hexanone                | 8.685  | 43   | 10848    | 1.898 | ug/l   | 95       |
| 55) Dibromochloromethane      | 8.801  | 129  | 6097     | 0.492 | ug/l   | 92       |
| 56) 1,2-Dibromoethane         | 8.917  | 107  | 4742     | 0.469 | ug/l   | 92       |
| 58) Tetrachloroethene         | 8.544  | 164  | 6468     | 0.548 | ug/l   | 94       |
| 59) Chlorobenzene             | 9.441  | 112  | 17681    | 0.483 | ug/l   | 99       |
| 60) 1,1,1,2-Tetrachloroethane | 9.524  | 131  | 6927     | 0.527 | ug/l   | 97       |
| 61) Pentachloroethane         | 11.415 | 117  | 5960     | 0.507 | ug/l   | 89       |
| 62) Hexachloroethane          | 12.463 | 117  | 4878     | 0.469 | ug/l   | 95       |
| 63) Ethyl Benzene             | 9.563  | 91   | 27365    | 0.434 | ug/l   | 94       |
| 64) m/p-Xylenes               | 9.685  | 106  | 19488    | 0.827 | ug/l   | 97       |
| 65) o-Xylene                  | 10.090 | 106  | 9693     | 0.420 | ug/l   | 99       |
| 66) Styrene                   | 10.113 | 104  | 14889    | 0.406 | ug/l   | 95       |
| 67) Bromoform                 | 10.283 | 173  | 3354     | 0.477 | ug/l   | 96       |
| 69) Isopropylbenzene          | 10.473 | 105  | 23072    | 0.425 | ug/l   | 99       |
| 70) 1,1,2,2-Tetrachloroethane | 10.775 | 83   | 6945     | 0.478 | ug/l   | 96       |
| 71) 1,2,3-Trichloropropane    | 10.814 | 75   | 7975     | 0.731 | ug/l # | 78       |
| 72) Bromobenzene              | 10.778 | 156  | 6396     | 0.438 | ug/l   | 70       |
| 73) n-propylbenzene           | 10.897 | 120  | 6602     | 0.425 | ug/l   | 97       |
| 74) 2-Chlorotoluene           | 10.978 | 126  | 6421     | 0.449 | ug/l   | 99       |
| 75) 1,3,5-Trimethylbenzene    | 11.081 | 105  | 20008    | 0.398 | ug/l   | 96       |
| 76) 4-Chlorotoluene           | 11.090 | 126  | 5838     | 0.398 | ug/l   | 94       |
| 77) tert-Butylbenzene         | 11.412 | 119  | 21863    | 0.430 | ug/l   | 98       |
| 78) 1,2,4-Trimethylbenzene    | 11.460 | 105  | 18892    | 0.379 | ug/l   | 99       |
| 79) sec-Butylbenzene          | 11.634 | 105  | 26405    | 0.408 | ug/l   | 100      |
| 80) Nitrobenzene              | 13.232 | 77   | 42       | 0.122 | ug/l # | 41       |
| 81) p-Isopropyltoluene        | 11.785 | 119  | 19497    | 0.382 | ug/l   | 99       |
| 82) 1,3-Dichlorobenzene       | 11.743 | 146  | 13443    | 0.474 | ug/l   | 97       |
| 83) 1,4-Dichlorobenzene       | 11.833 | 146  | 12863    | 0.464 | ug/l   | 96       |
| 84) n-Butylbenzene            | 12.203 | 91   | 17889    | 0.391 | ug/l   | 96       |
| 85) 1,2-Dichlorobenzene       | 12.206 | 146  | 12433    | 0.456 | ug/l   | 99       |
| 86) 1,2-Dibromo-3-Chloropr... | 13.000 | 75   | 1088     | 0.534 | ug/l # | 72       |
| 87) 1,2,4-Trichlorobenzene    | 13.843 | 180  | 5559     | 0.418 | ug/l   | 97       |
| 88) Hexachlorobutadiene       | 14.013 | 225  | 4771     | 0.503 | ug/l   | 98       |
| 89) Naphthalene               | 14.093 | 128  | 7893     | 0.369 | ug/l # | 88       |
| 90) 1,2,3-Trichlorobenzene    | 14.328 | 180  | 5728     | 0.441 | ug/l   | 95       |

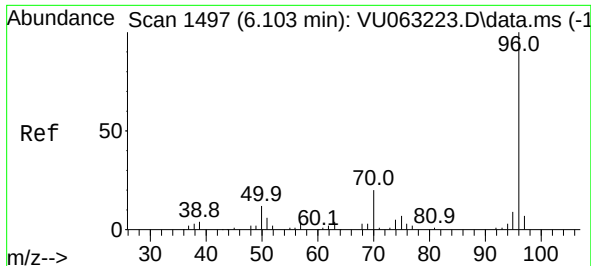
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Feb 13 03:48:32 2025  
Response via : Initial Calibration

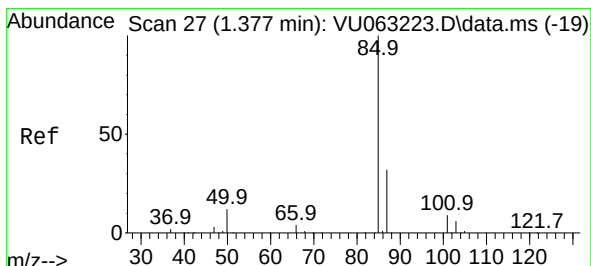
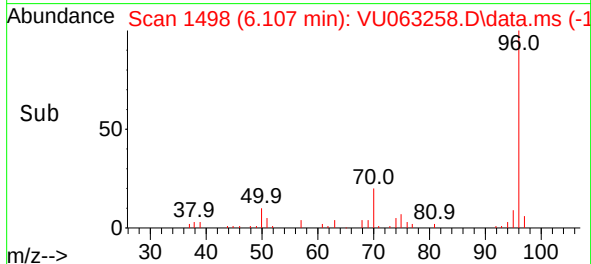
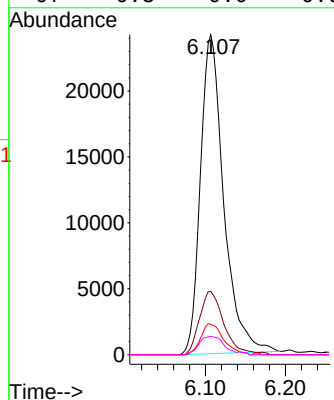
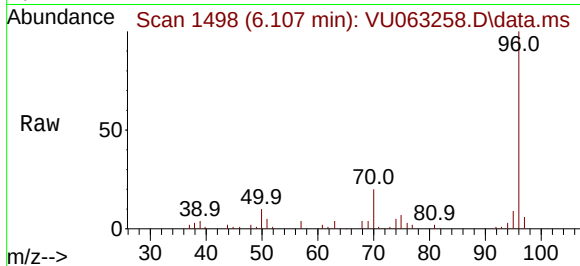




#1  
 Fluorobenzene  
 Concen: 1.000 ug/l  
 RT: 6.107 min Scan# 14  
 Delta R.T. 0.004 min  
 Lab File: VU063258.D  
 Acq: 12 Feb 2025 16:44

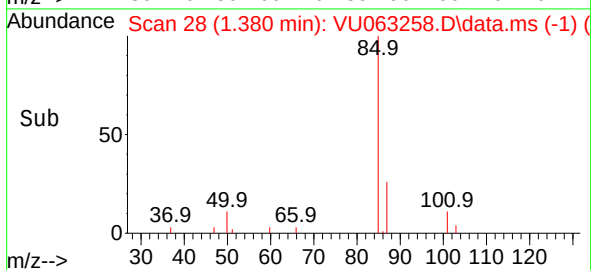
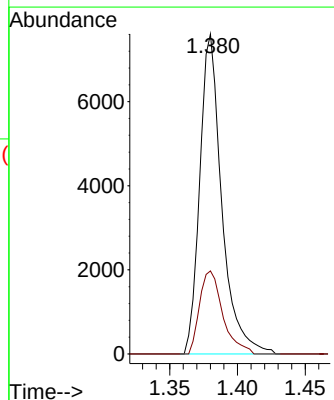
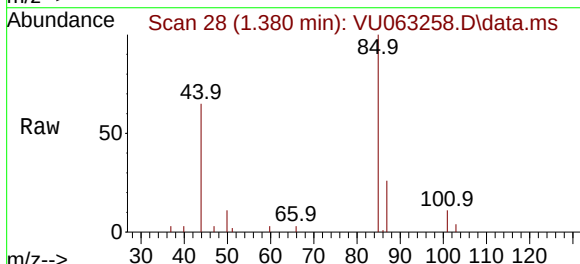
Instrument :  
 MSVOA\_U  
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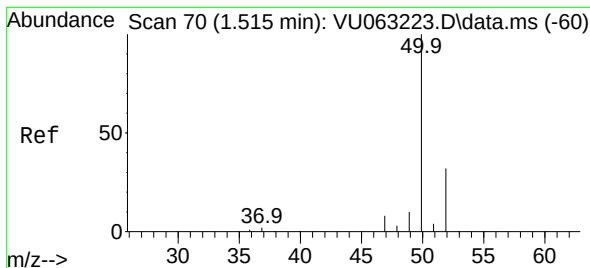
|             |             |
|-------------|-------------|
| Tgt Ion: 96 | Resp: 49054 |
| Ion Ratio   | Lower Upper |
| 96 100      |             |
| 70 19.7     | 15.6 23.4   |
| 95 9.5      | 7.3 10.9    |
| 97 6.3      | 0.0 0.0#    |



#2  
 Dichlorodifluoromethane  
 Concen: 0.538 ug/l  
 RT: 1.380 min Scan# 28  
 Delta R.T. 0.003 min  
 Lab File: VU063258.D  
 Acq: 12 Feb 2025 16:44

|             |            |       |  |
|-------------|------------|-------|--|
| Tgt Ion: 85 | Resp: 8573 |       |  |
| Ion Ratio   | Lower      | Upper |  |
| 85 100      |            |       |  |
| 87 25.9     | 16.0       | 48.0  |  |





#3

Chloromethane

Concen: 0.549 ug/l

RT: 1.518 min Scan# 71

Delta R.T. 0.003 min

Lab File: VU063258.D

Acq: 12 Feb 2025 16:44

Instrument :

MSVOA\_U

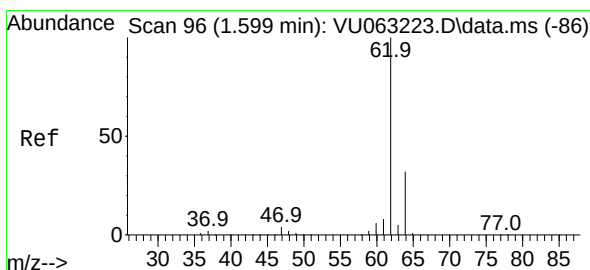
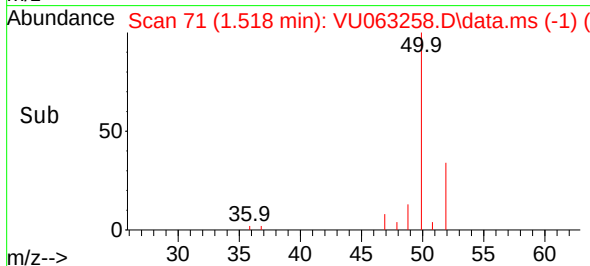
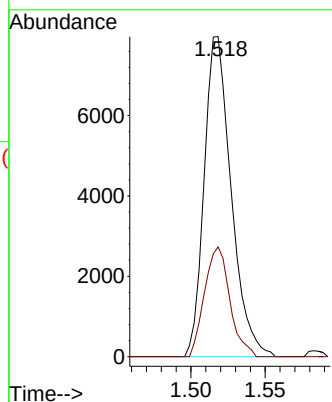
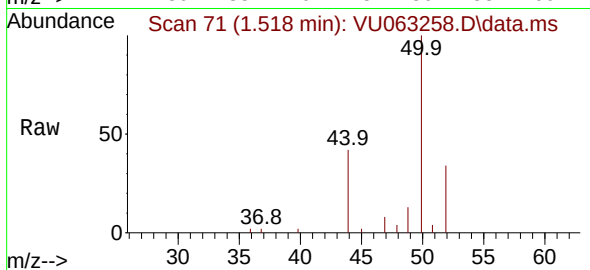
ClientSampleId :

Tgt Ion: 50 Resp: 10069

Ion Ratio Lower Upper

50 100

52 34.3 25.8 38.8



#4

Vinyl Chloride

Concen: 0.521 ug/l

RT: 1.599 min Scan# 96

Delta R.T. -0.000 min

Lab File: VU063258.D

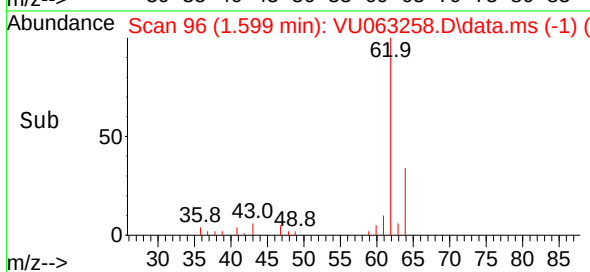
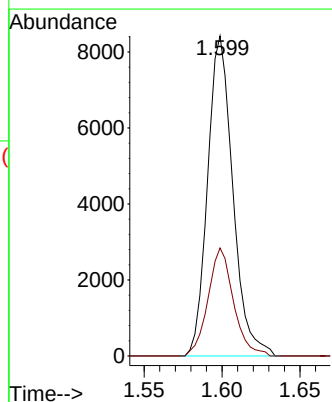
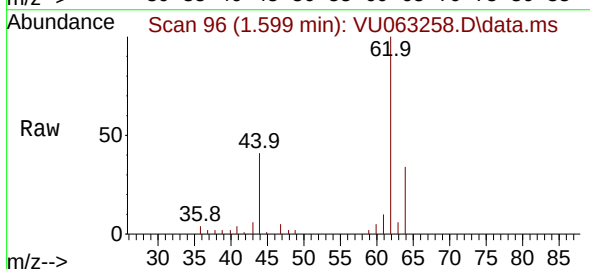
Acq: 12 Feb 2025 16:44

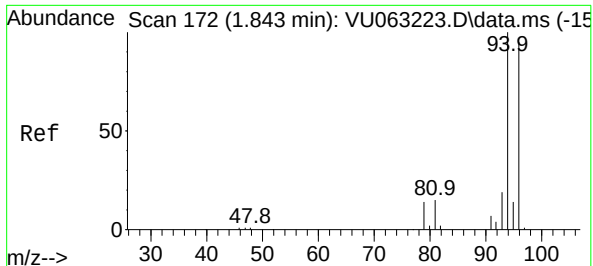
Tgt Ion: 62 Resp: 9468

Ion Ratio Lower Upper

62 100

64 33.7 25.4 38.0

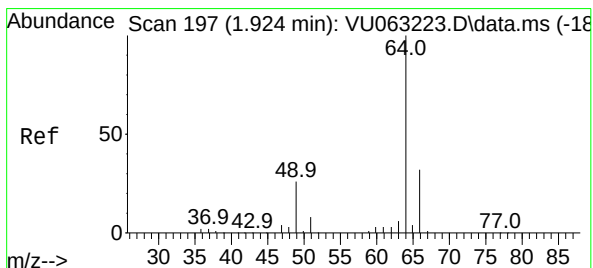
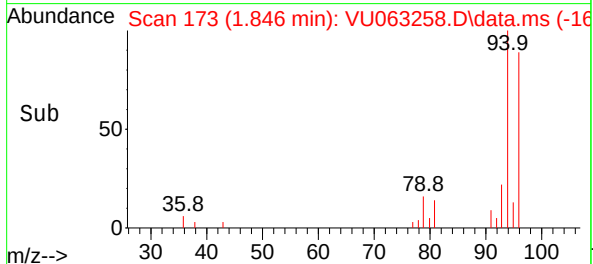
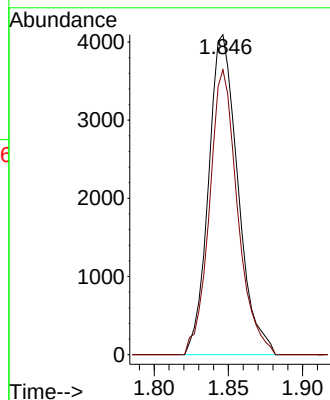
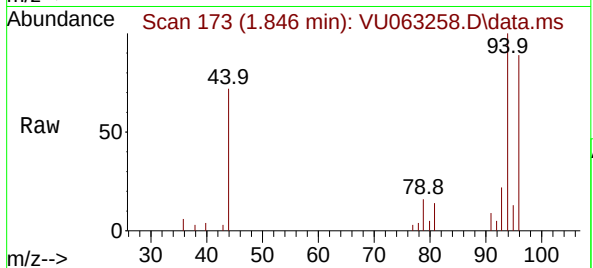




#5  
Bromomethane  
Concen: 0.637 ug/l  
RT: 1.846 min Scan# 1  
Delta R.T. 0.003 min  
Lab File: VU063258.D  
Acq: 12 Feb 2025 16:44

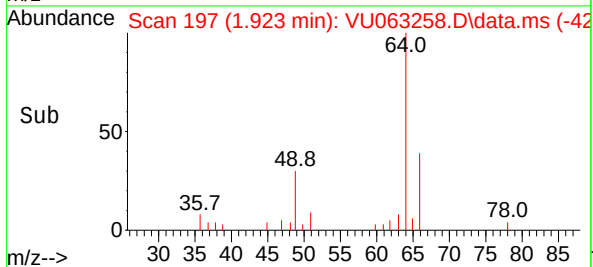
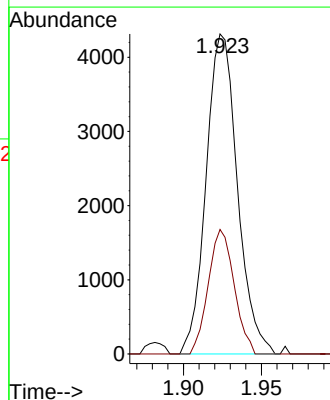
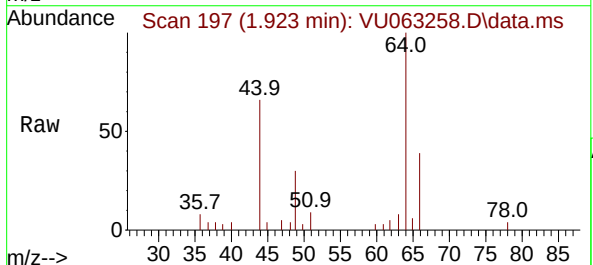
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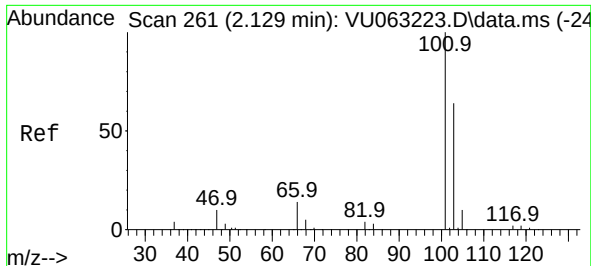
Tgt Ion: 94 Resp: 5651  
Ion Ratio Lower Upper  
94 100  
96 89.1 75.7 113.5



#6  
Chloroethane  
Concen: 0.528 ug/l  
RT: 1.923 min Scan# 197  
Delta R.T. -0.000 min  
Lab File: VU063258.D  
Acq: 12 Feb 2025 16:44

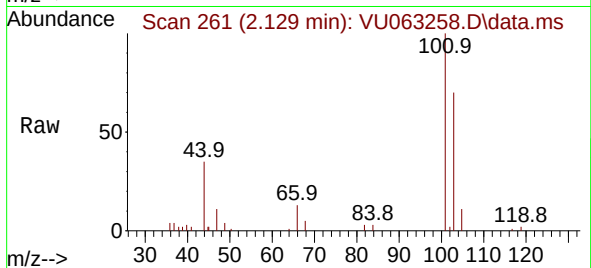
Tgt Ion: 64 Resp: 6034  
Ion Ratio Lower Upper  
64 100  
66 38.9 25.8 38.8#



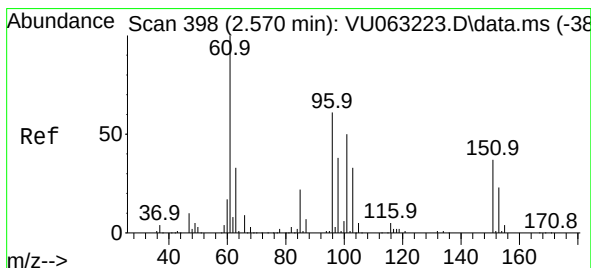
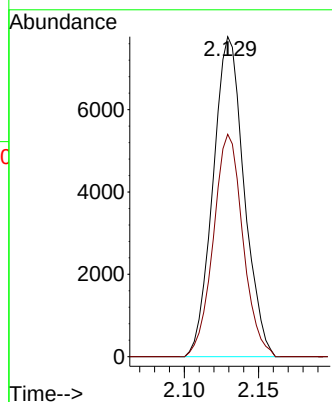
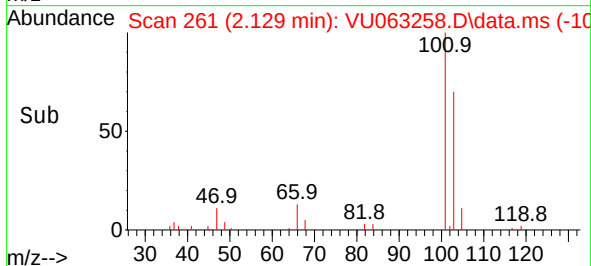


#7  
 Trichlorofluoromethane  
 Concen: 0.526 ug/l  
 RT: 2.129 min Scan# 20  
 Delta R.T. -0.000 min  
 Lab File: VU063258.D  
 Acq: 12 Feb 2025 16:44

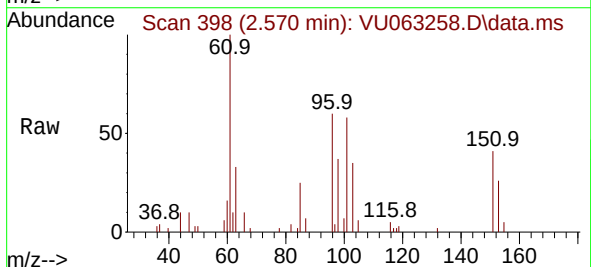
Instrument :  
 MSVOA\_U  
 ClientSampleId :



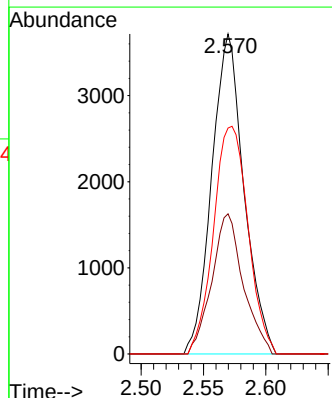
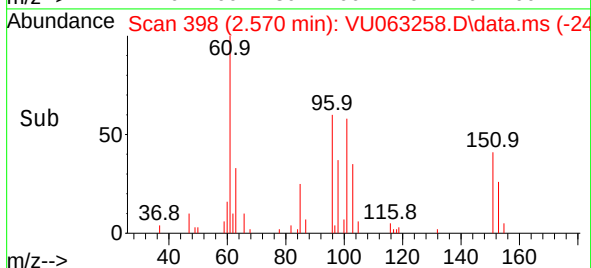
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 Ion Ratio Lower Upper  
 101 100  
 103 69.5 51.4 77.2

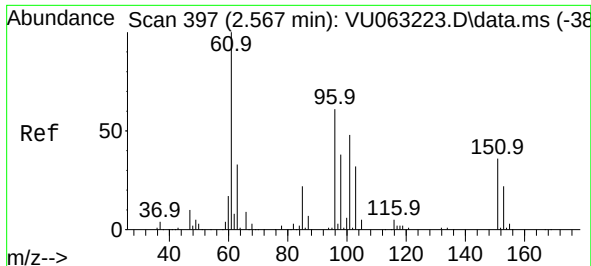


#8  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 0.546 ug/l  
 RT: 2.570 min Scan# 398  
 Delta R.T. -0.000 min  
 Lab File: VU063258.D  
 Acq: 12 Feb 2025 16:44



Tgt Ion:101 Resp: 6669  
 Ion Ratio Lower Upper  
 101 100  
 85 42.9 35.4 53.0  
 151 76.4 58.5 87.7

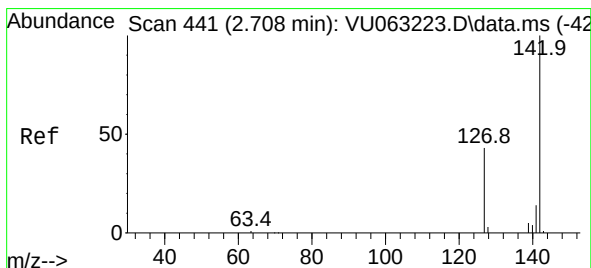
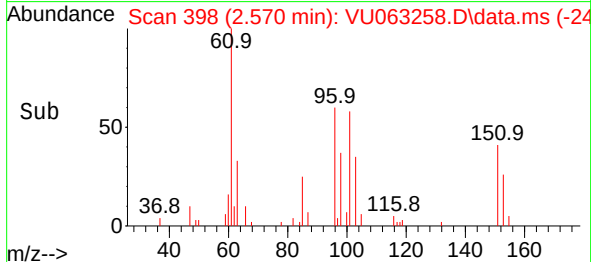
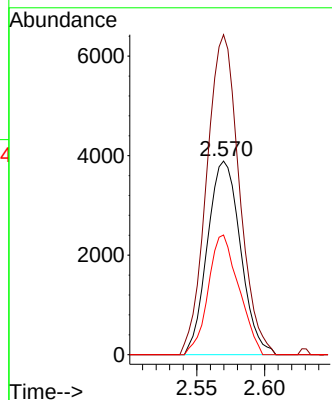
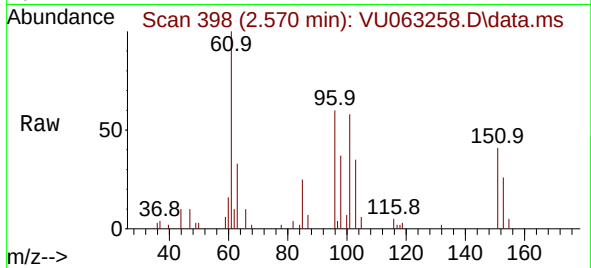




#9  
1,1-Dichloroethene  
Concen: 0.531 ug/l  
RT: 2.570 min Scan# 397  
Delta R.T. 0.003 min  
Lab File: VU063258.D  
Acq: 12 Feb 2025 16:44

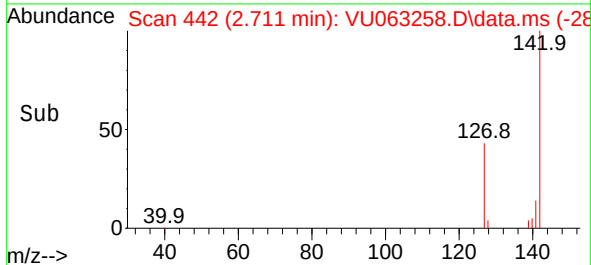
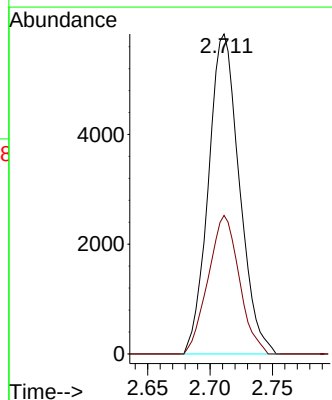
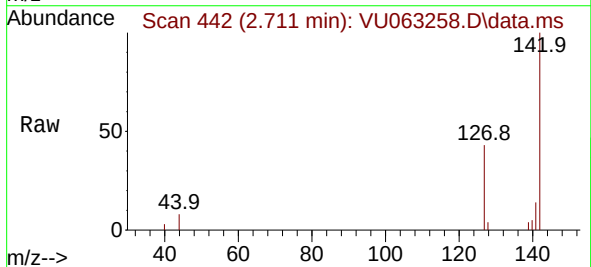
Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion: 96 Resp: 6612  
Ion Ratio Lower Upper  
96 100  
61 165.3 0.0 492.9  
98 61.9 0.0 124.0

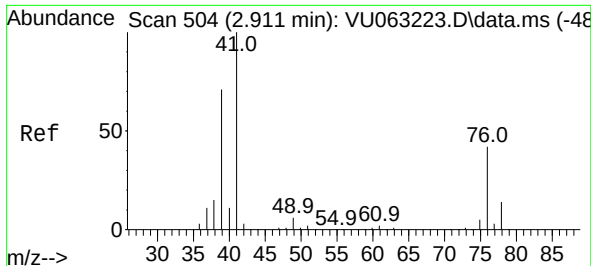


#10  
Iodomethane  
Concen: 0.515 ug/l  
RT: 2.711 min Scan# 442  
Delta R.T. 0.003 min  
Lab File: VU063258.D  
Acq: 12 Feb 2025 16:44

Tgt Ion: 142 Resp: 10072  
Ion Ratio Lower Upper  
142 100  
127 43.4 34.5 51.7



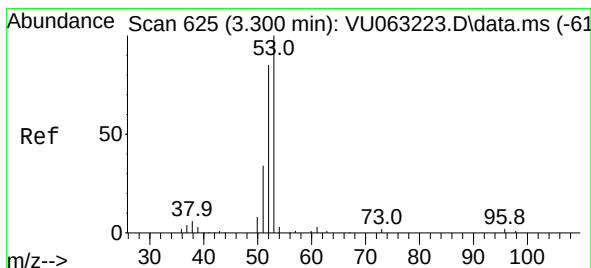
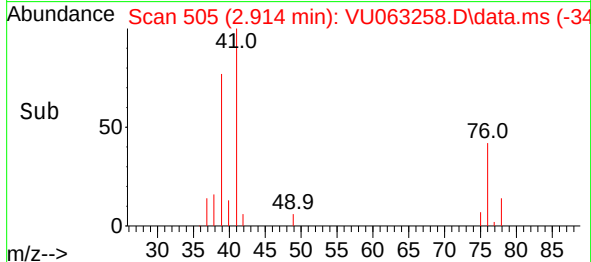
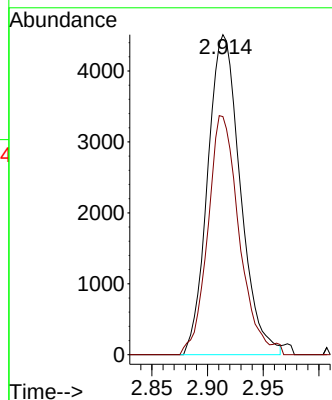
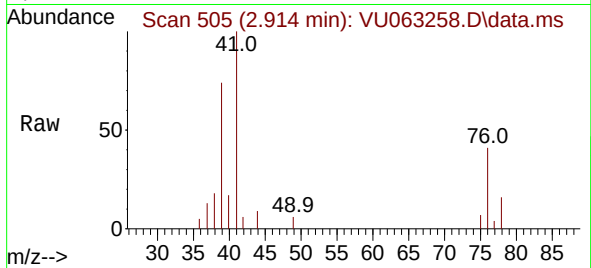




#11  
 Allyl Chloride  
 Concen: 0.515 ug/l  
 RT: 2.914 min Scan# 504  
 Delta R.T. 0.003 min  
 Lab File: VU063258.D  
 Acq: 12 Feb 2025 16:44

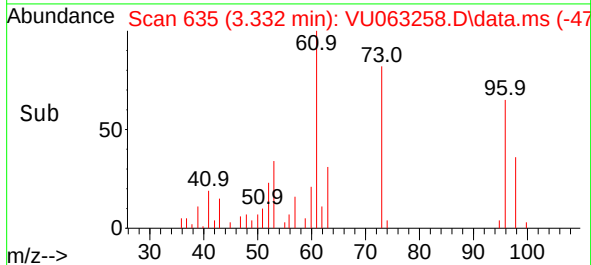
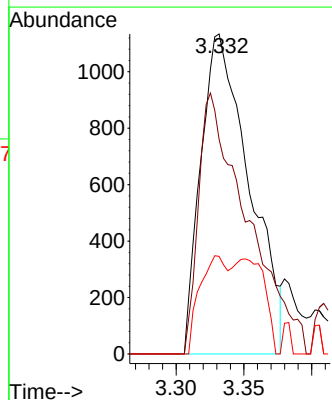
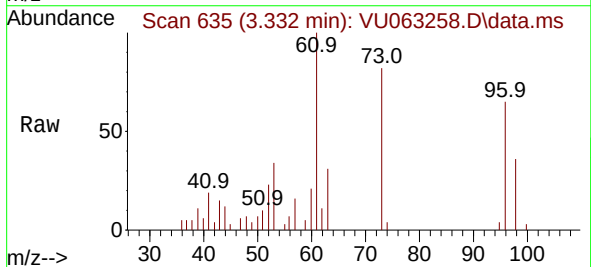
Instrument :  
 MSVOA\_U  
 ClientSampleId :

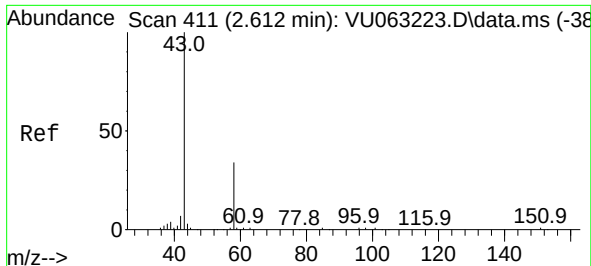
Tgt Ion: 41 Resp: 9214  
 Ion Ratio Lower Upper  
 41 100  
 39 71.8 57.9 86.9



#12  
 Acrylonitrile  
 Concen: 0.981 ug/l  
 RT: 3.332 min Scan# 635  
 Delta R.T. 0.032 min  
 Lab File: VU063258.D  
 Acq: 12 Feb 2025 16:44

Tgt Ion: 53 Resp: 2816  
 Ion Ratio Lower Upper  
 53 100  
 52 82.1 64.2 96.2  
 51 17.3 30.8 46.2#





#13

Acetone

Concen: 2.963 ug/l

RT: 2.618 min Scan# 411

Delta R.T. 0.006 min

Lab File: VU063258.D

Acq: 12 Feb 2025 16:44

Instrument :

MSVOA\_U

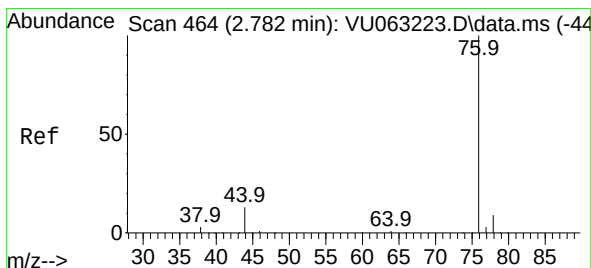
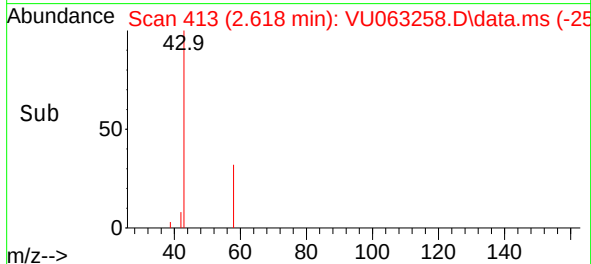
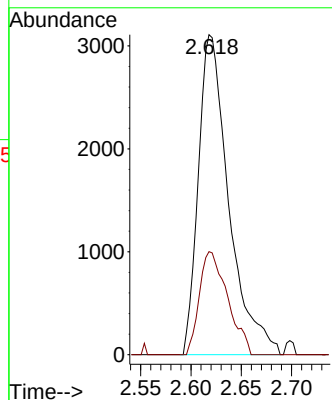
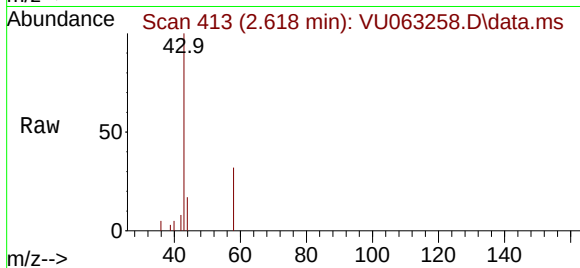
ClientSampleId :

Tgt Ion: 43 Resp: 6540

Ion Ratio Lower Upper

43 100

58 32.2 27.4 41.0



#14

Carbon Disulfide

Concen: 0.531 ug/l

RT: 2.782 min Scan# 464

Delta R.T. -0.000 min

Lab File: VU063258.D

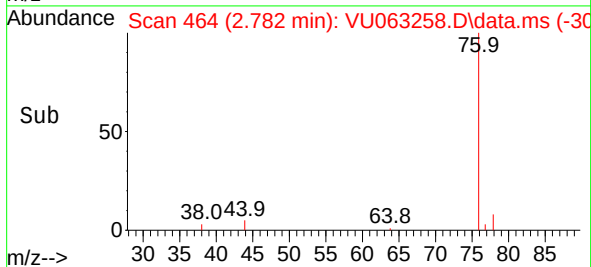
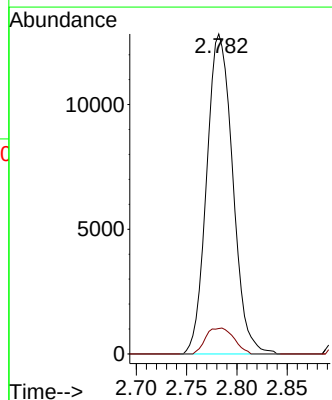
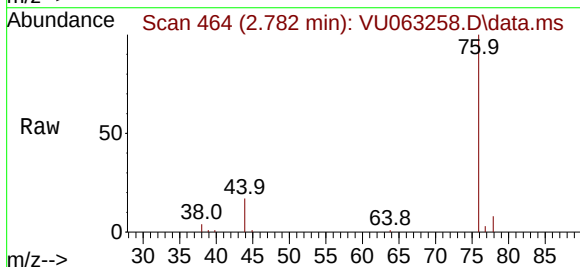
Acq: 12 Feb 2025 16:44

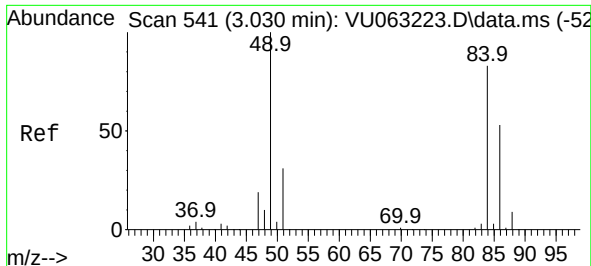
Tgt Ion: 76 Resp: 23110

Ion Ratio Lower Upper

76 100

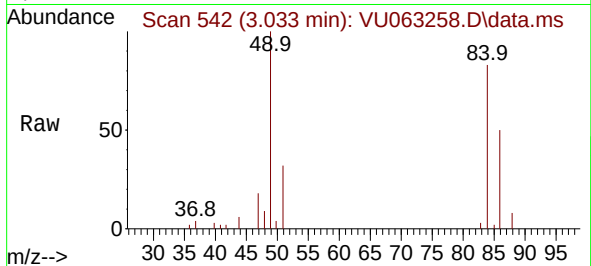
78 7.9 7.2 10.8



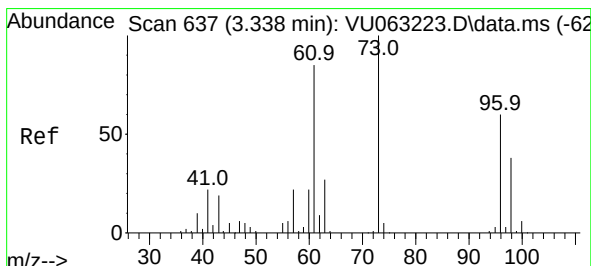
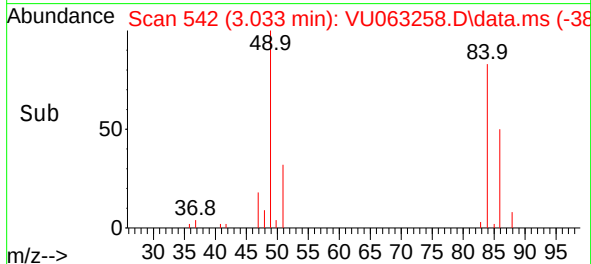
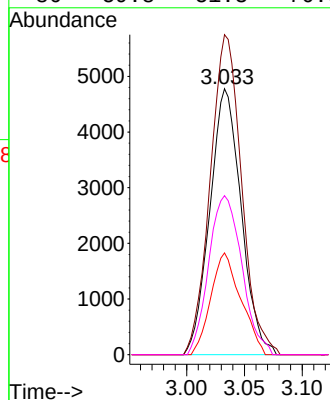


#15  
Methylene Chloride  
Concen: 0.586 ug/l  
RT: 3.033 min Scan# 541  
Delta R.T. 0.003 min  
Lab File: VU063258.D  
Acq: 12 Feb 2025 16:44

Instrument :  
MSVOA\_U  
ClientSampleId :

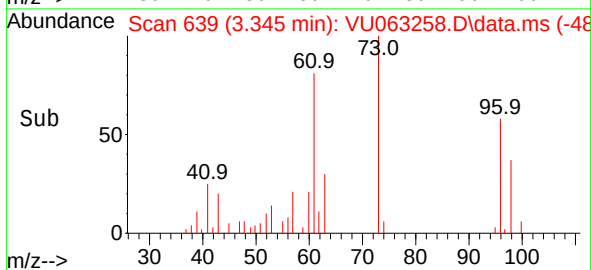
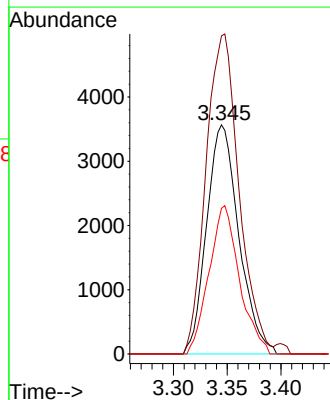
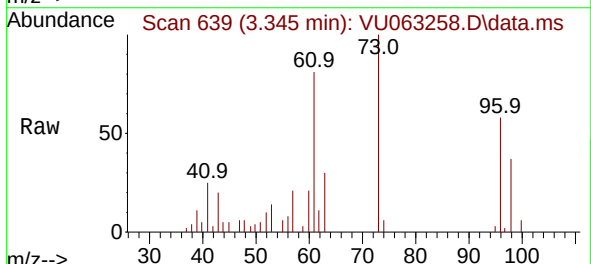


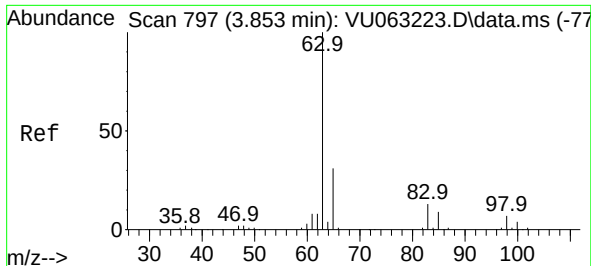
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 9005  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 120.3 | 96.4  | 144.6 |
| 51       | 38.3  | 0.0   | 74.8  |
| 86       | 59.8  | 51.3  | 76.9  |



#16  
trans-1,2-Dichloroethene  
Concen: 0.523 ug/l  
RT: 3.345 min Scan# 639  
Delta R.T. 0.006 min  
Lab File: VU063258.D  
Acq: 12 Feb 2025 16:44

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 7423  |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 133.2 | 113.4 | 170.2 |
| 98       | 61.0  | 51.2  | 76.8  |

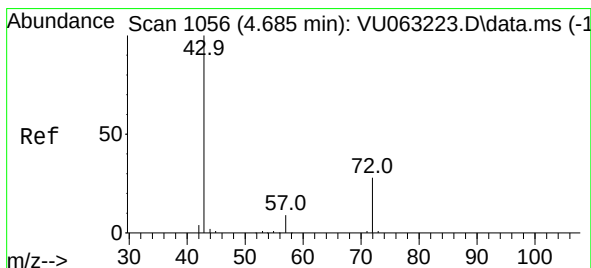
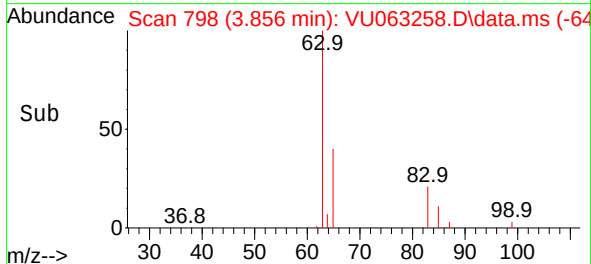
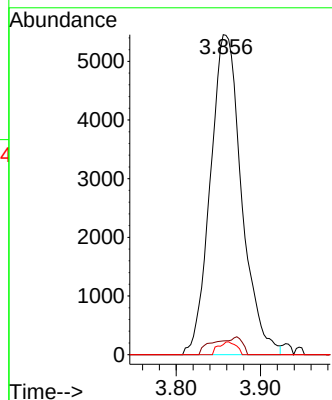
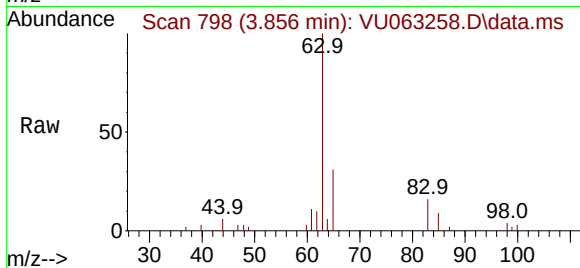




#17  
1,1-Dichloroethane  
Concen: 0.526 ug/l  
RT: 3.856 min Scan# 797  
Delta R.T. 0.003 min  
Lab File: VU063258.D  
Acq: 12 Feb 2025 16:44

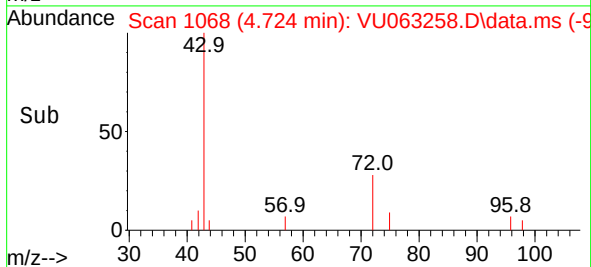
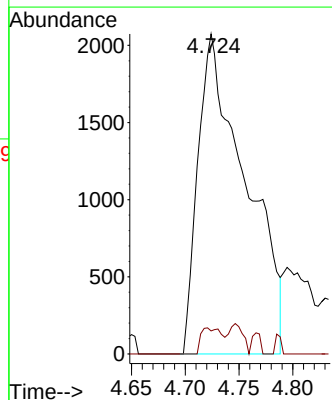
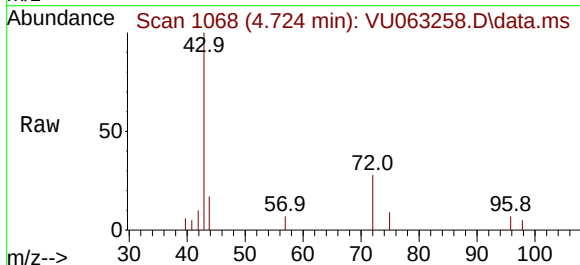
Instrument :  
MSVOA\_U  
ClientSampleId :

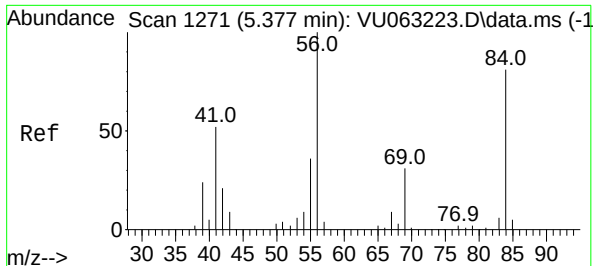
Tgt Ion: 63 Resp: 14079  
Ion Ratio Lower Upper  
63 100  
98 4.3 3.3 9.9  
100 3.1 2.1 6.2



#18  
2-Butanone  
Concen: 1.811 ug/l  
RT: 4.724 min Scan# 1068  
Delta R.T. 0.038 min  
Lab File: VU063258.D  
Acq: 12 Feb 2025 16:44

Tgt Ion: 43 Resp: 6361  
Ion Ratio Lower Upper  
43 100  
57 7.2 0.0 17.0





#19

Cyclohexane

Concen: 0.433 ug/l

RT: 5.373 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU063258.D

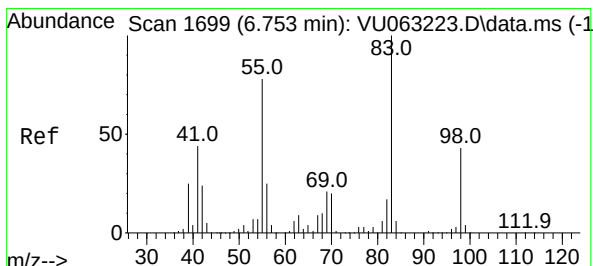
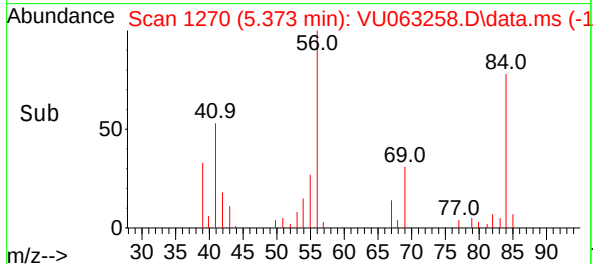
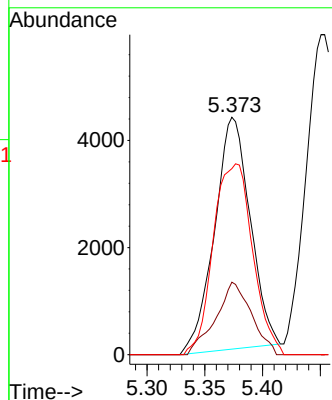
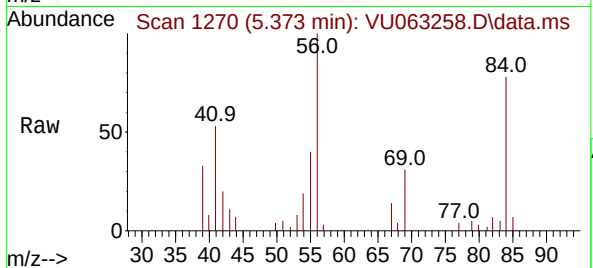
Acq: 12 Feb 2025 16:44

Instrument :

MSVOA\_U

ClientSampleId :

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 56    | Resp: | 9312 |
| Ion Ratio | Lower | Upper |      |
| 56        | 100   |       |      |
| 69        | 31.3  | 24.5  | 36.7 |
| 84        | 90.6  | 65.2  | 97.8 |



#20

Methylcyclohexane

Concen: 0.458 ug/l

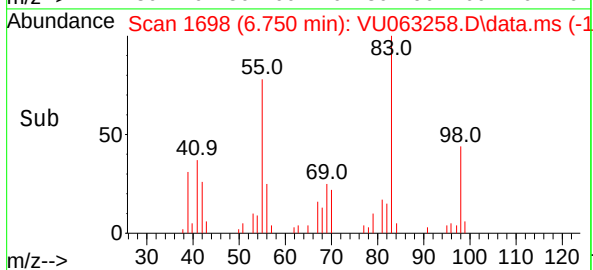
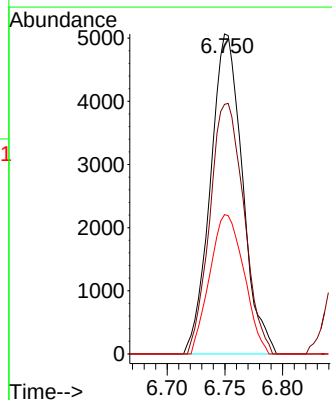
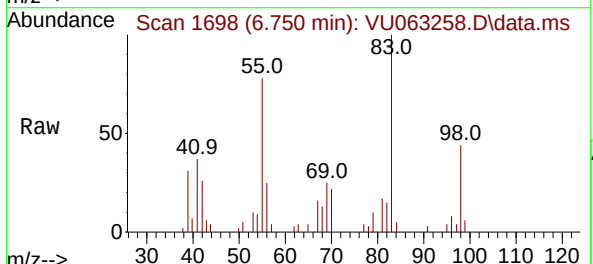
RT: 6.750 min Scan# 1698

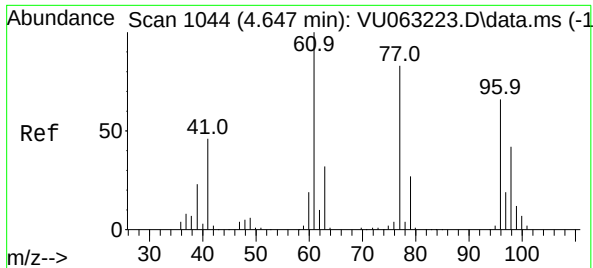
Delta R.T. -0.003 min

Lab File: VU063258.D

Acq: 12 Feb 2025 16:44

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 83    | Resp: | 9762 |
| Ion Ratio | Lower | Upper |      |
| 83        | 100   |       |      |
| 55        | 83.1  | 63.1  | 94.7 |
| 98        | 46.4  | 35.2  | 52.8 |

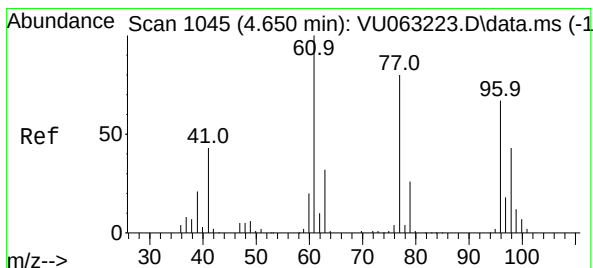
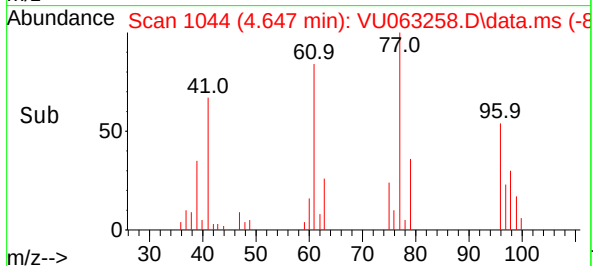
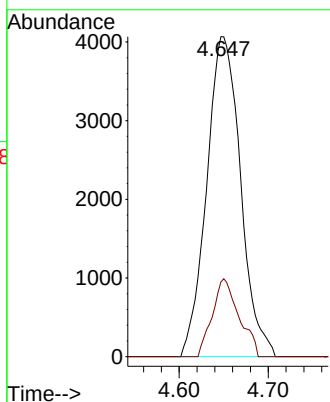
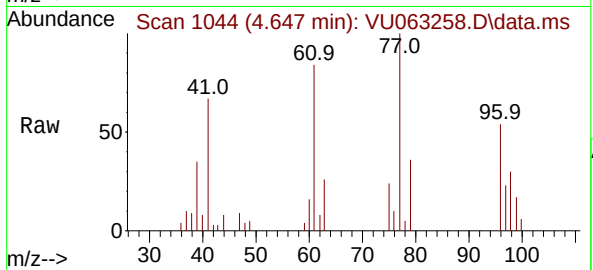




#21  
 2,2-Dichloropropane  
 Concen: 0.514 ug/l  
 RT: 4.647 min Scan# 1044  
 Delta R.T. -0.000 min  
 Lab File: VU063258.D  
 Acq: 12 Feb 2025 16:44

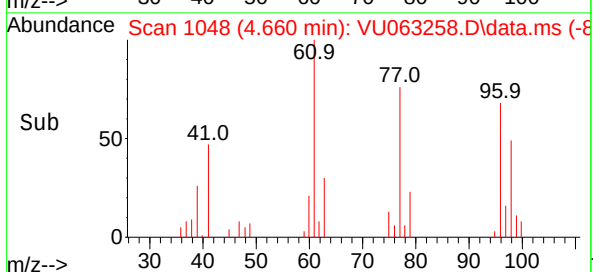
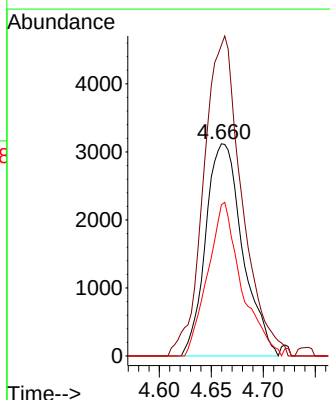
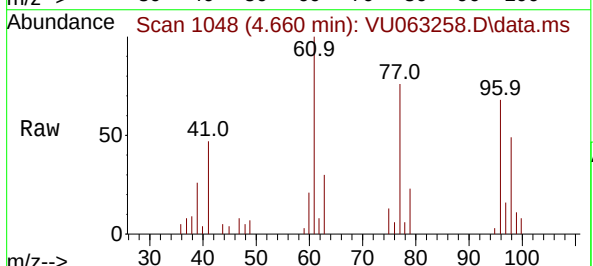
Instrument :  
 MSVOA\_U  
 ClientSampleId :

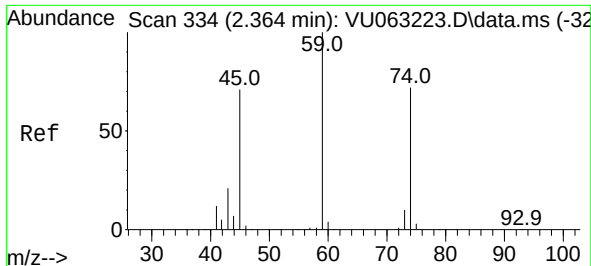
Tgt Ion: 77 Resp: 10744  
 Ion Ratio Lower Upper  
 77 100  
 97 19.2 18.5 27.7



#22  
 cis-1,2-Dichloroethene  
 Concen: 0.503 ug/l  
 RT: 4.660 min Scan# 1048  
 Delta R.T. 0.010 min  
 Lab File: VU063258.D  
 Acq: 12 Feb 2025 16:44

Tgt Ion: 96 Resp: 7719  
 Ion Ratio Lower Upper  
 96 100  
 61 154.9 0.0 373.3  
 98 65.9 31.9 95.9

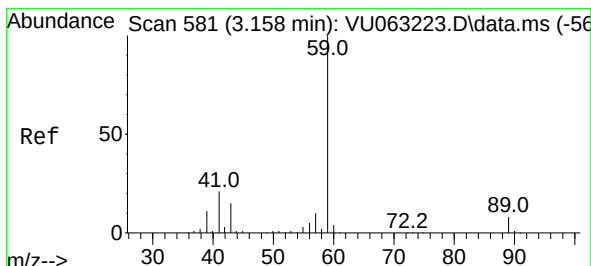
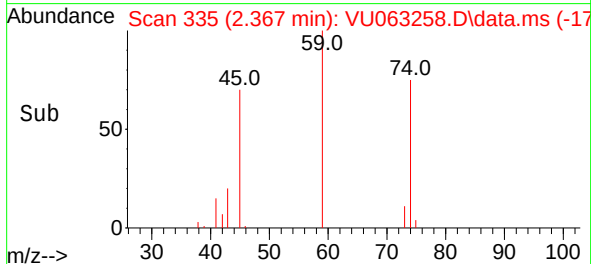
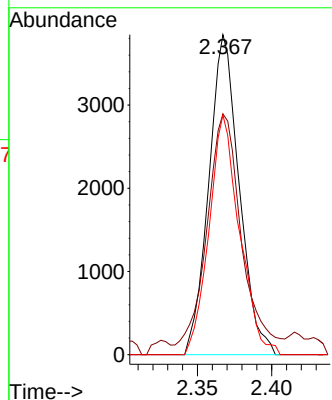
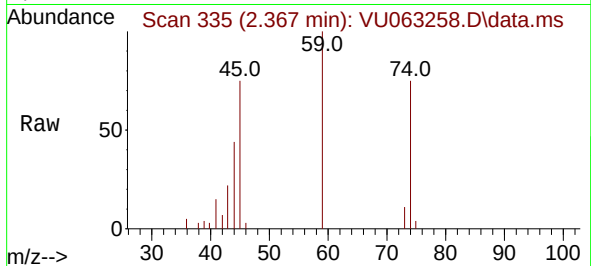




#23  
Diethyl Ether  
Concen: 0.512 ug/l  
RT: 2.367 min Scan# 334  
Delta R.T. 0.003 min  
Lab File: VU063258.D  
Acq: 12 Feb 2025 16:44

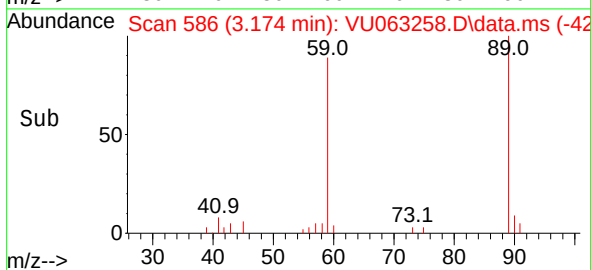
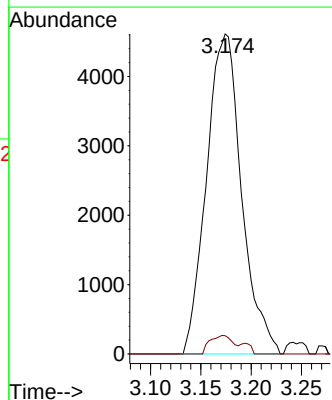
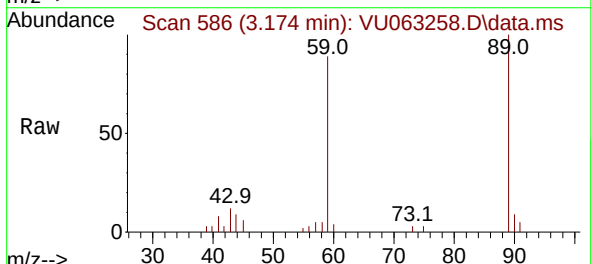
Instrument :  
MSVOA\_U  
ClientSampleId :

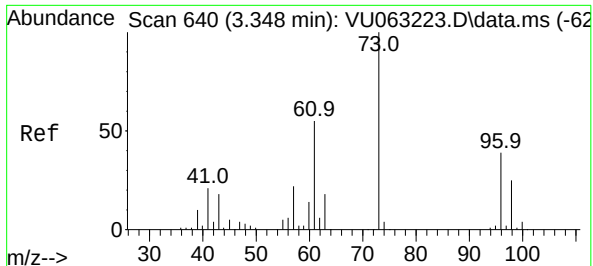
Tgt Ion: 59 Resp: 5469  
Ion Ratio Lower Upper  
59 100  
45 88.1 57.8 86.6#  
74 75.1 57.7 86.5



#24  
tert-Butyl Alcohol  
Concen: 8.607 ug/l  
RT: 3.174 min Scan# 586  
Delta R.T. 0.016 min  
Lab File: VU063258.D  
Acq: 12 Feb 2025 16:44

Tgt Ion: 59 Resp: 11180  
Ion Ratio Lower Upper  
59 100  
57 3.8 7.5 11.3#





#25

Methyl tert-Butyl Ether

Concen: 0.517 ug/l

RT: 3.348 min Scan# 640

Delta R.T. -0.000 min

Lab File: VU063258.D

Acq: 12 Feb 2025 16:44

Instrument :

MSVOA\_U

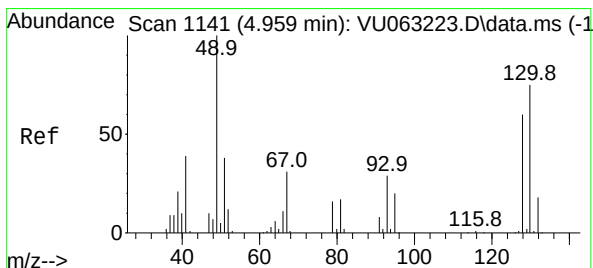
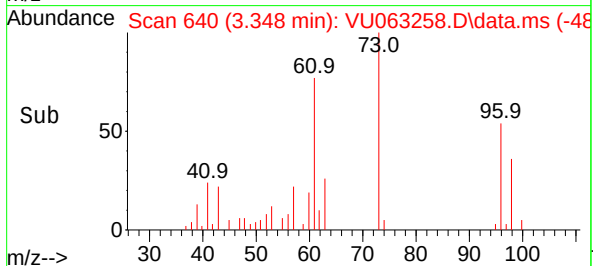
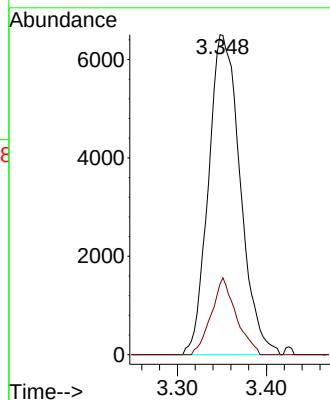
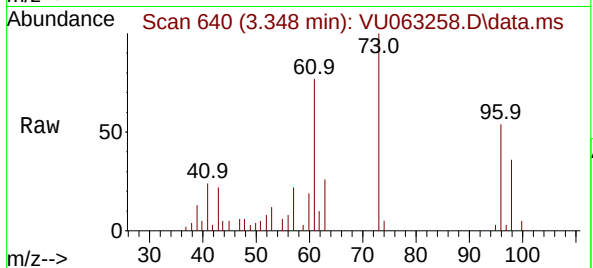
ClientSampleId :

Tgt Ion: 73 Resp: 16079

Ion Ratio Lower Upper

73 100

43 18.8 14.9 22.3



#26

Bromochloromethane

Concen: 0.483 ug/l

RT: 4.965 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VU063258.D

Acq: 12 Feb 2025 16:44

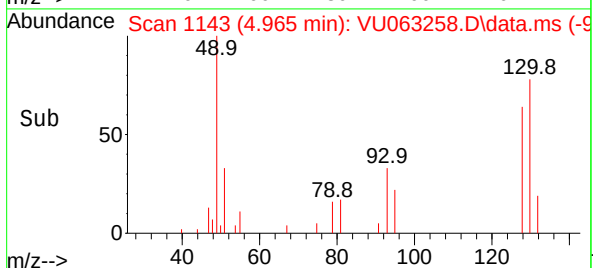
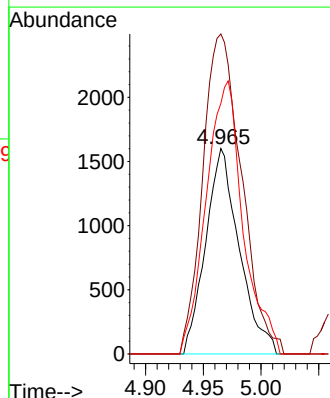
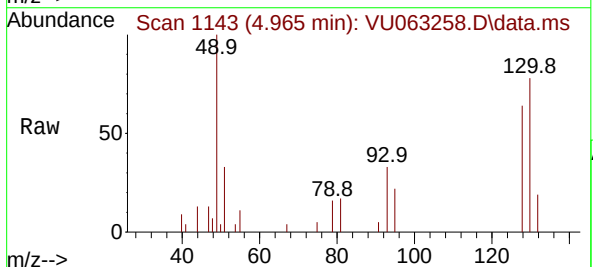
Tgt Ion: 128 Resp: 3239

Ion Ratio Lower Upper

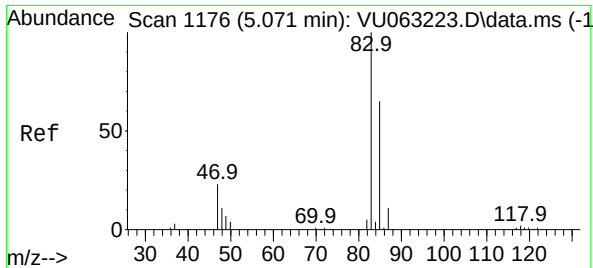
128 100

49 179.9 0.0 343.4

130 145.8 102.9 154.3







#27

Chloroform

Concen: 0.544 ug/l

RT: 5.078 min Scan# 1176

Delta R.T. 0.006 min

Lab File: VU063258.D

Acq: 12 Feb 2025 16:44

Instrument :

MSVOA\_U

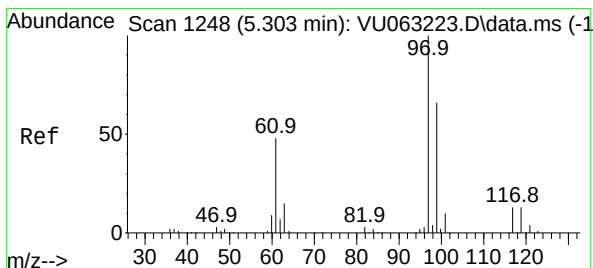
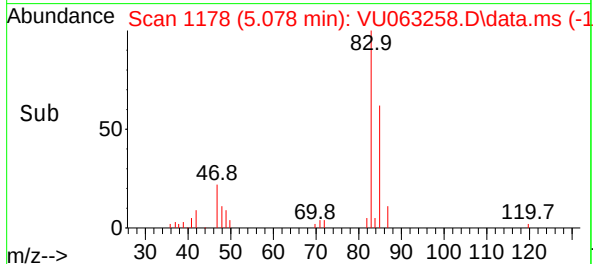
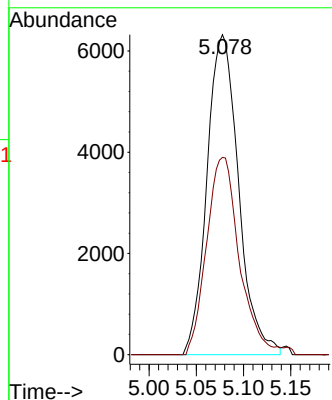
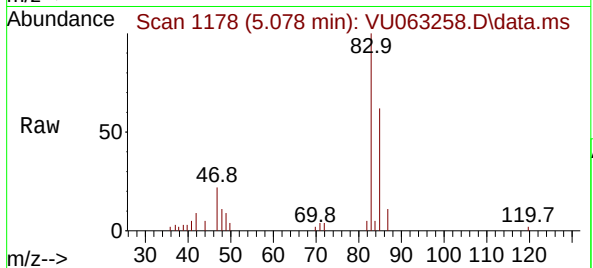
ClientSampleId :

Tgt Ion: 83 Resp: 14688

Ion Ratio Lower Upper

83 100

85 61.7 0.0 129.8



#28

1,1,1-Trichloroethane

Concen: 0.516 ug/l

RT: 5.303 min Scan# 1248

Delta R.T. -0.000 min

Lab File: VU063258.D

Acq: 12 Feb 2025 16:44

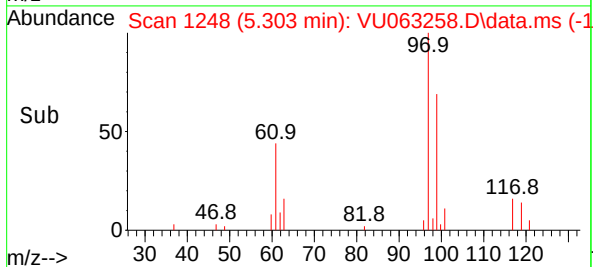
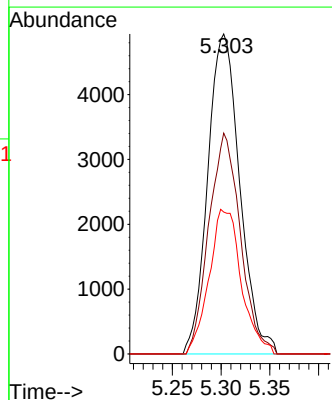
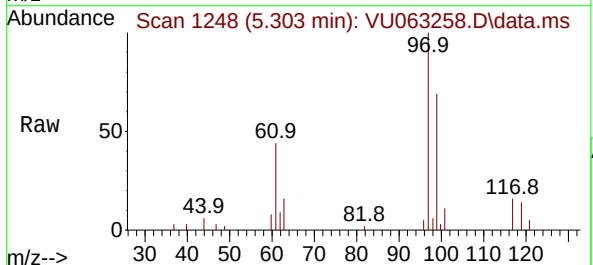
Tgt Ion: 97 Resp: 11289

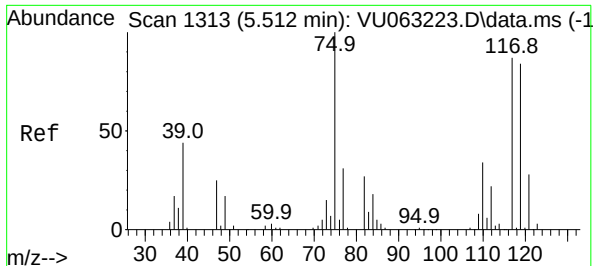
Ion Ratio Lower Upper

97 100

99 67.9 32.4 97.0

61 45.4 23.8 71.2

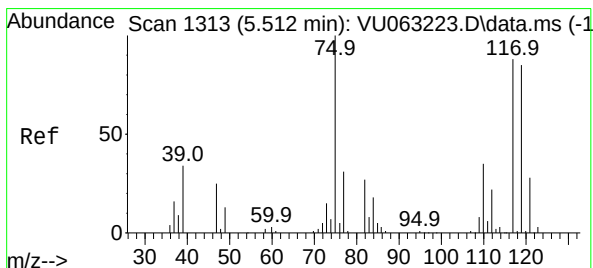
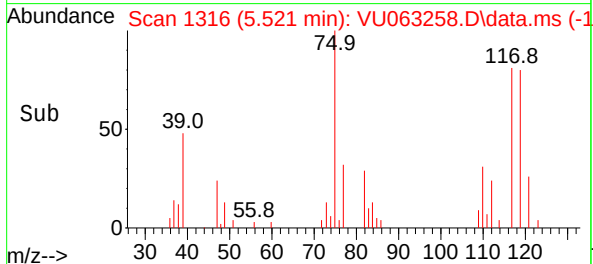
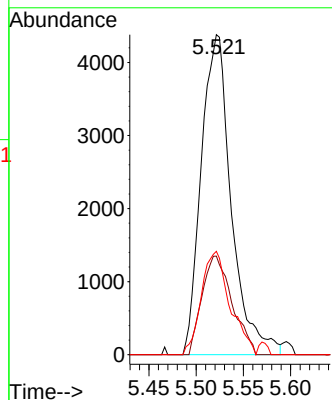
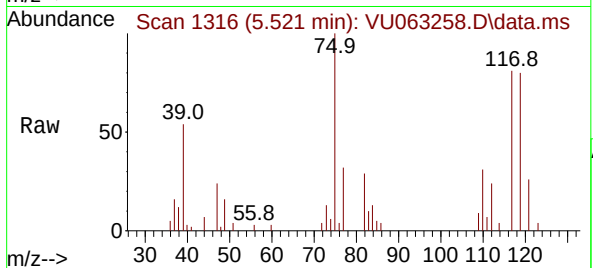




#29  
1,1-Dichloropropene  
Concen: 0.494 ug/l  
RT: 5.521 min Scan# 1316  
Delta R.T. 0.010 min  
Lab File: VU063258.D  
Acq: 12 Feb 2025 16:44

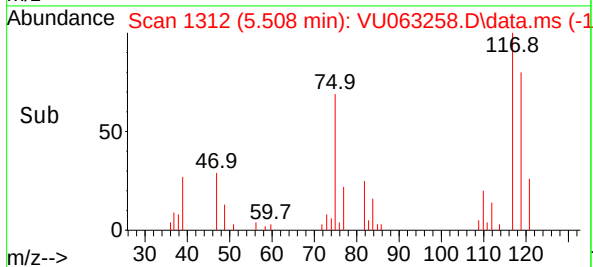
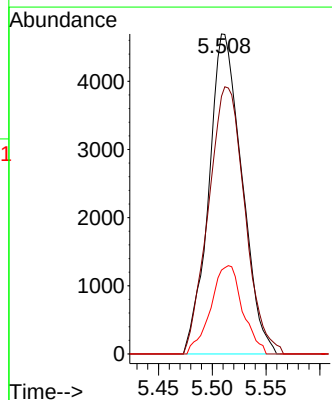
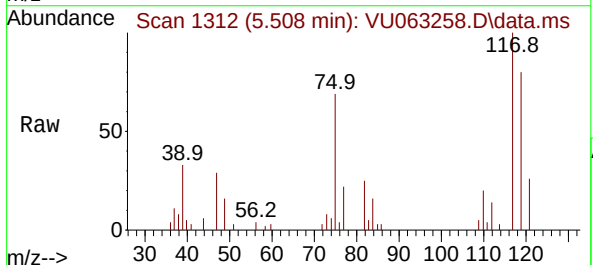
Instrument :  
MSVOA\_U  
ClientSampleId :

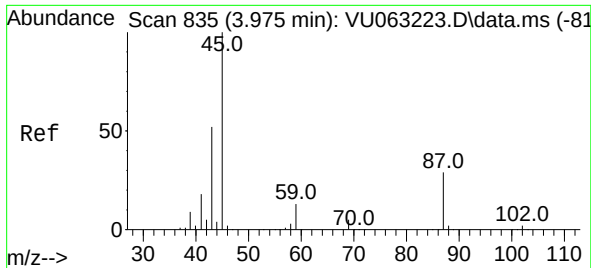
Tgt Ion: 75 Resp: 9679  
Ion Ratio Lower Upper  
75 100  
110 30.9 17.2 51.5  
77 30.8 24.6 37.0



#30  
Carbon Tetrachloride  
Concen: 0.535 ug/l  
RT: 5.508 min Scan# 1312  
Delta R.T. -0.003 min  
Lab File: VU063258.D  
Acq: 12 Feb 2025 16:44

Tgt Ion: 117 Resp: 10051  
Ion Ratio Lower Upper  
117 100  
119 80.5 76.7 115.1  
121 26.2 25.5 38.3

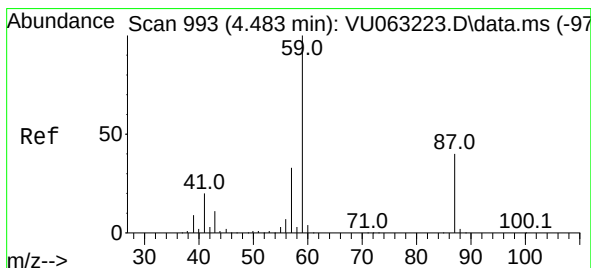
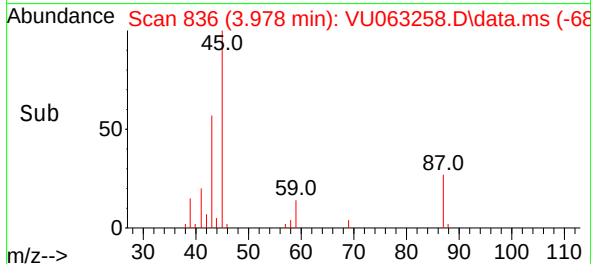
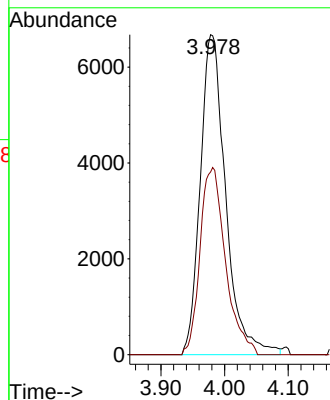
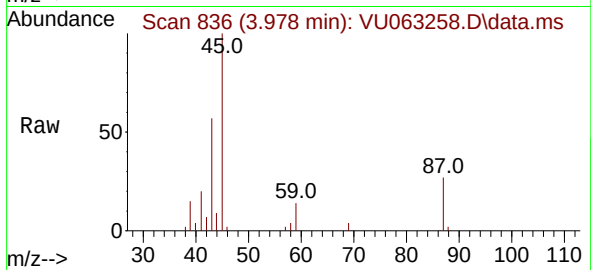




#31  
Isopropyl Ether  
Concen: 0.484 ug/l  
RT: 3.978 min Scan# 836  
Delta R.T. 0.003 min  
Lab File: VU063258.D  
Acq: 12 Feb 2025 16:44

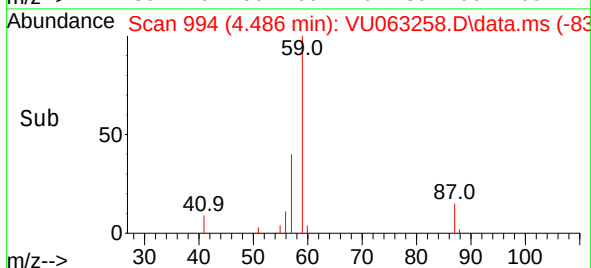
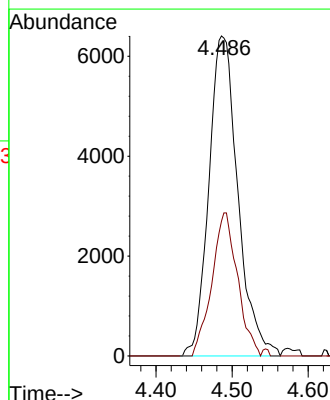
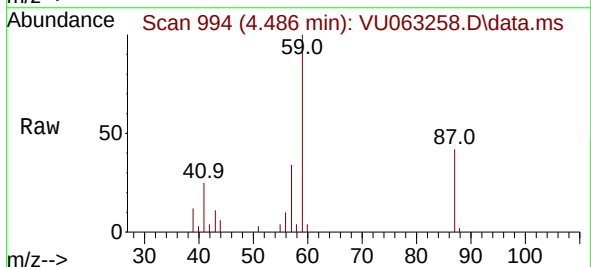
Instrument :  
MSVOA\_U  
ClientSampleId :

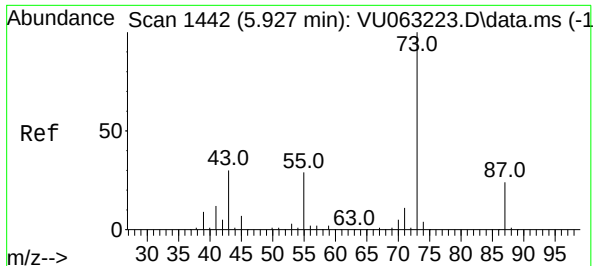
Tgt Ion: 45 Resp: 18493  
Ion Ratio Lower Upper  
45 100  
43 58.7 25.7 77.1



#32  
Ethyl-t-butyl ether  
Concen: 0.488 ug/l  
RT: 4.486 min Scan# 994  
Delta R.T. 0.003 min  
Lab File: VU063258.D  
Acq: 12 Feb 2025 16:44

Tgt Ion: 59 Resp: 16950  
Ion Ratio Lower Upper  
59 100  
87 39.5 32.6 49.0





#33

Tert-Amyl methyl ether

Concen: 0.459 ug/l

RT: 5.926 min Scan# 1442

Delta R.T. -0.000 min

Lab File: VU063258.D

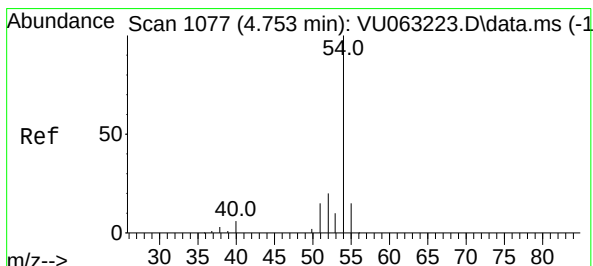
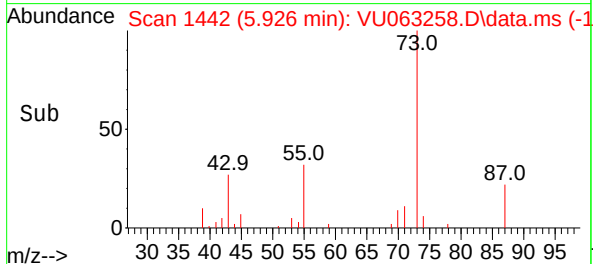
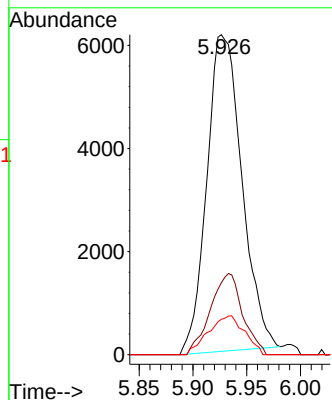
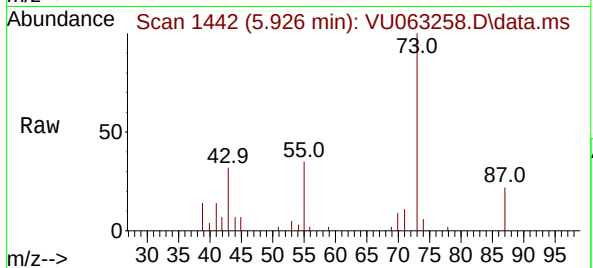
Acq: 12 Feb 2025 16:44

Instrument :

MSVOA\_U

ClientSampleId :

|             |                |
|-------------|----------------|
| Tgt Ion: 73 | Resp: 13938    |
| Ion Ratio   | Lower Upper    |
| 73          | 100            |
| 87          | 23.5 18.9 28.3 |
| 71          | 12.6 9.0 13.4  |



#34

Propionitrile

Concen: 0.830 ug/l

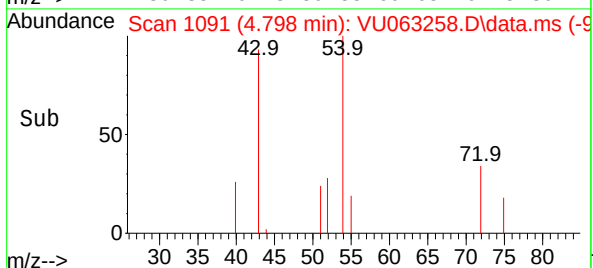
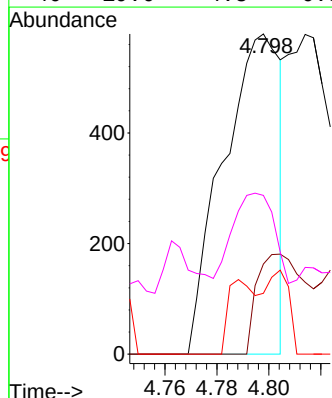
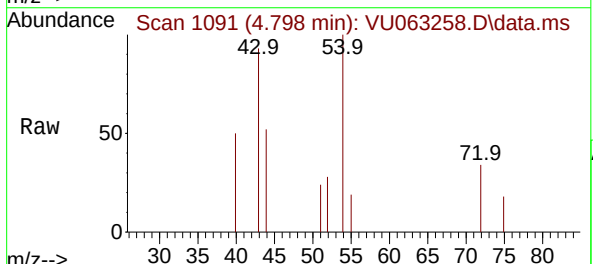
RT: 4.798 min Scan# 1091

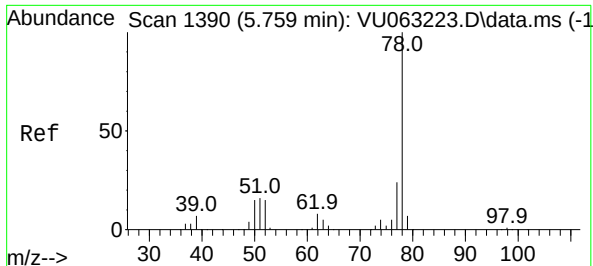
Delta R.T. 0.045 min

Lab File: VU063258.D

Acq: 12 Feb 2025 16:44

|             |                 |
|-------------|-----------------|
| Tgt Ion: 54 | Resp: 879       |
| Ion Ratio   | Lower Upper     |
| 54          | 100             |
| 52          | 26.6 16.3 24.5# |
| 55          | 9.1 11.8 17.6#  |
| 40          | 19.6 4.3 6.5#   |





#35

Benzene

Concen: 0.502 ug/l

RT: 5.766 min Scan# 1392

Delta R.T. 0.006 min

Lab File: VU063258.D

Acq: 12 Feb 2025 16:44

Instrument :

MSVOA\_U

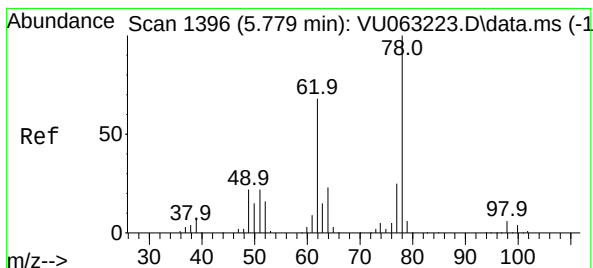
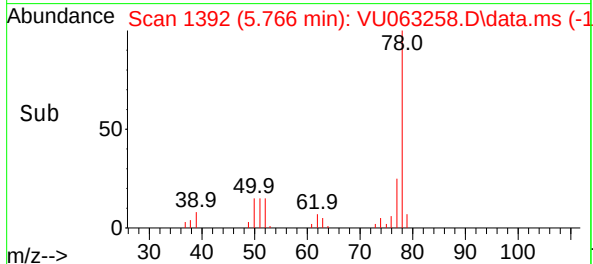
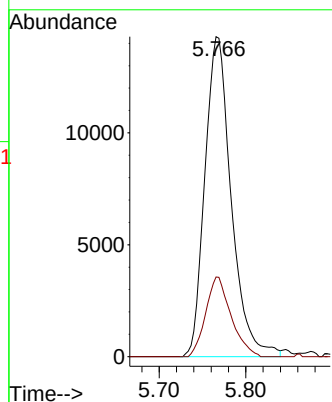
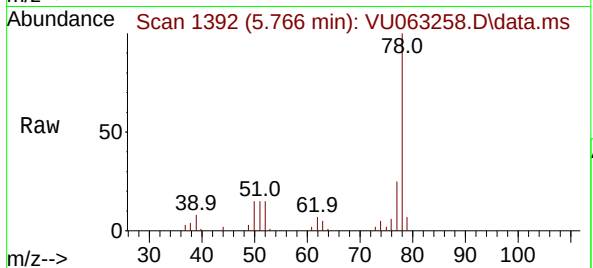
ClientSampleId :

Tgt Ion: 78 Resp: 30255

Ion Ratio Lower Upper

78 100

77 24.9 19.0 28.4



#36

1,2-Dichloroethane

Concen: 0.550 ug/l

RT: 5.788 min Scan# 1399

Delta R.T. 0.010 min

Lab File: VU063258.D

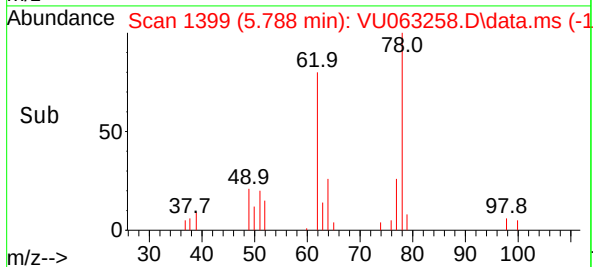
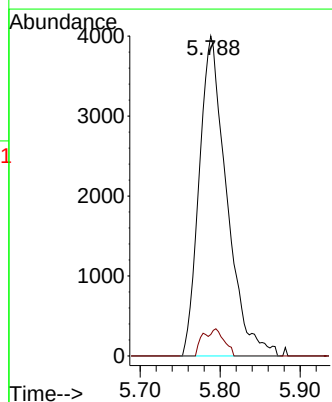
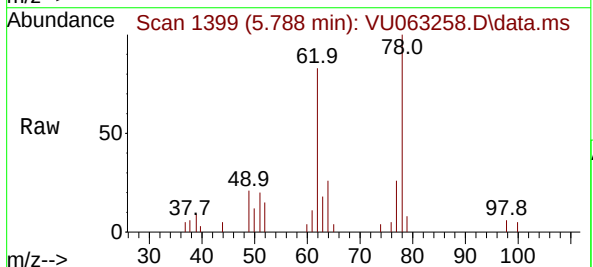
Acq: 12 Feb 2025 16:44

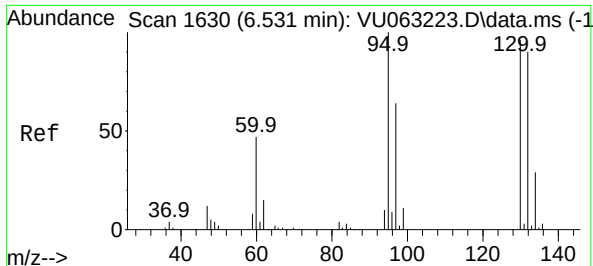
Tgt Ion: 62 Resp: 9564

Ion Ratio Lower Upper

62 100

98 4.2 6.9 10.3#





#37

Trichloroethene

Concen: 0.537 ug/l

RT: 6.534 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU063258.D

Acq: 12 Feb 2025 16:44

Instrument :

MSVOA\_U

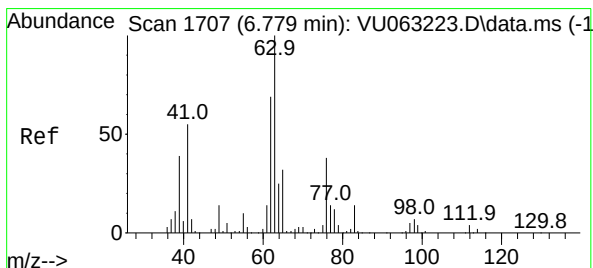
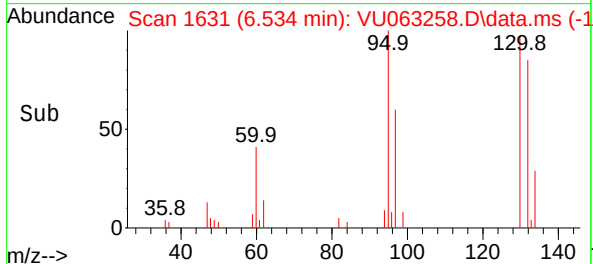
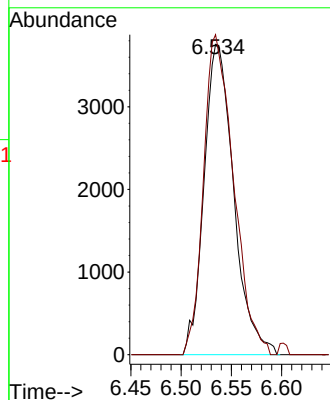
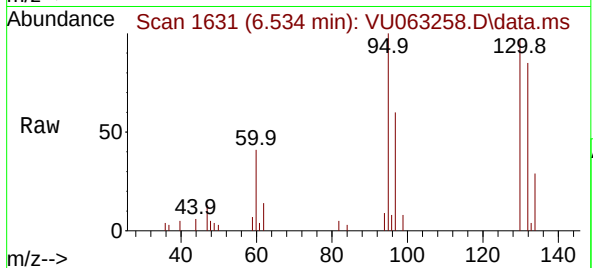
ClientSampleId :

Tgt Ion:130 Resp: 7701

Ion Ratio Lower Upper

130 100

95 103.1 83.2 124.8



#38

1,2-Dichloropropane

Concen: 0.533 ug/l

RT: 6.782 min Scan# 1708

Delta R.T. 0.003 min

Lab File: VU063258.D

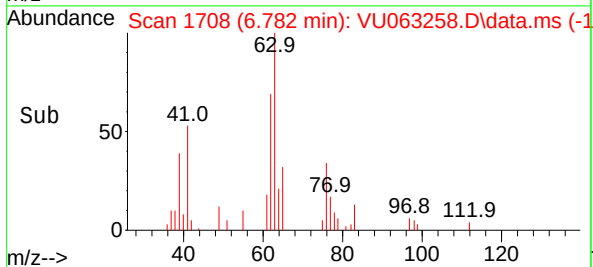
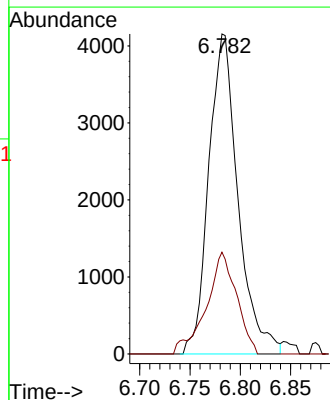
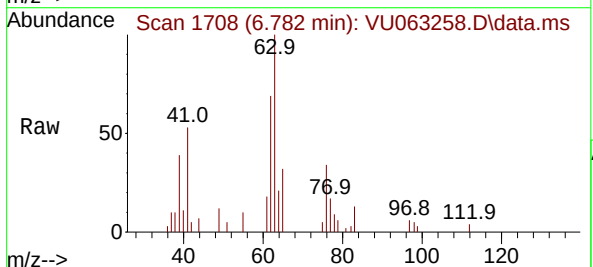
Acq: 12 Feb 2025 16:44

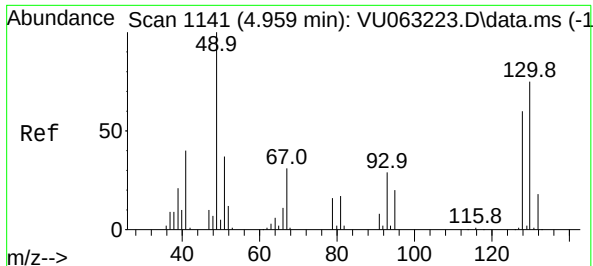
Tgt Ion: 63 Resp: 8409

Ion Ratio Lower Upper

63 100

65 31.8 25.3 37.9





#39

Methacrylonitrile

Concen: 0.394 ug/l

RT: 4.994 min Scan# 1157

Delta R.T. 0.035 min

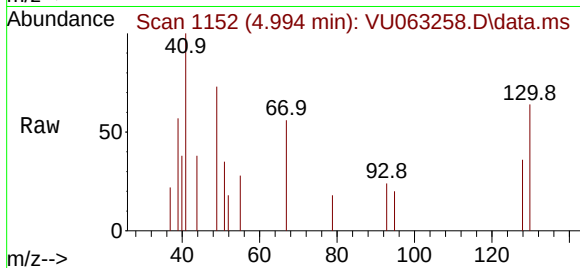
Lab File: VU063258.D

Acq: 12 Feb 2025 16:44

Instrument :

MSVOA\_U

ClientSampleId :



Tgt Ion: 41 Resp: 1557

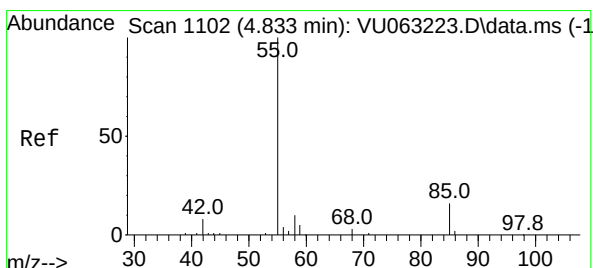
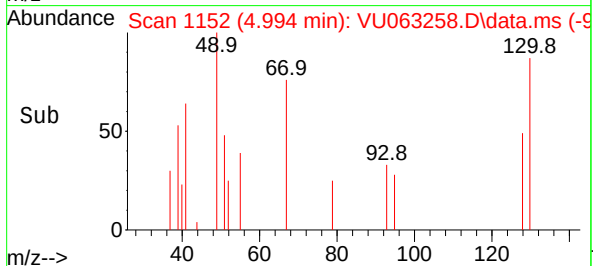
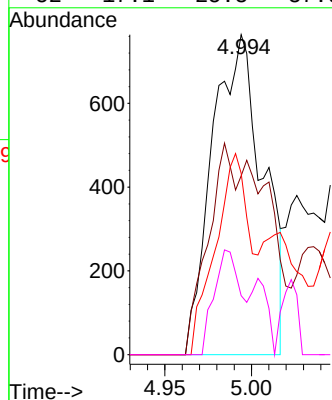
Ion Ratio Lower Upper

41 100

67 35.5 64.5 96.7#

39 43.2 43.0 64.6

52 17.1 25.3 37.9#



#40

Methyl acrylate

Concen: 0.011 ug/l

RT: 4.804 min Scan# 1093

Delta R.T. -0.029 min

Lab File: VU063258.D

Acq: 12 Feb 2025 16:44

Tgt Ion: 55 Resp: 80

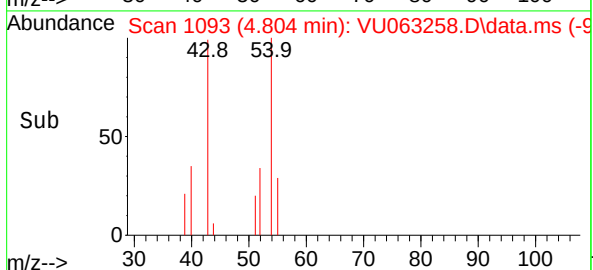
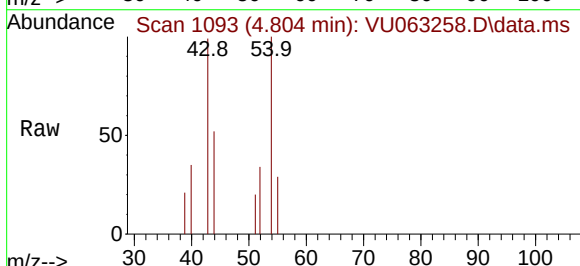
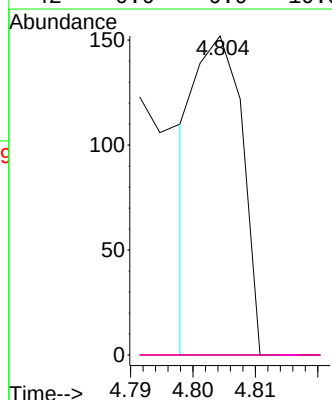
Ion Ratio Lower Upper

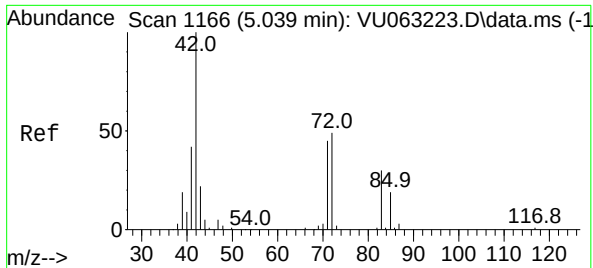
55 100

85 0.0 13.3 19.9#

58 0.0 7.3 10.9#

42 0.0 6.9 10.3#

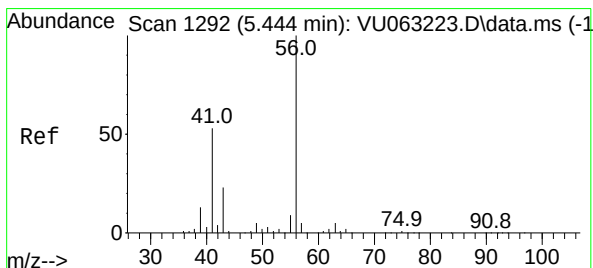
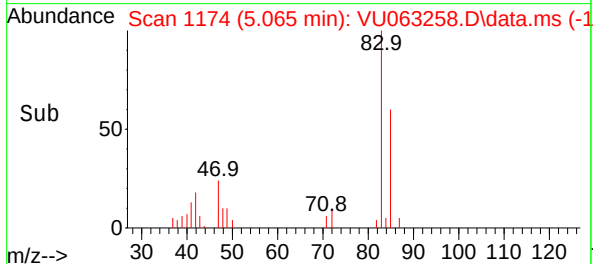
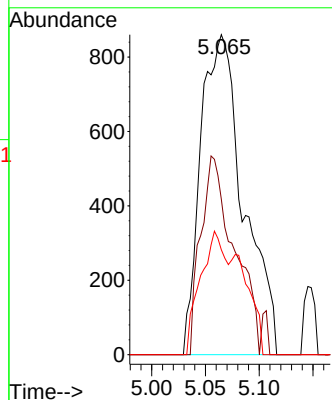
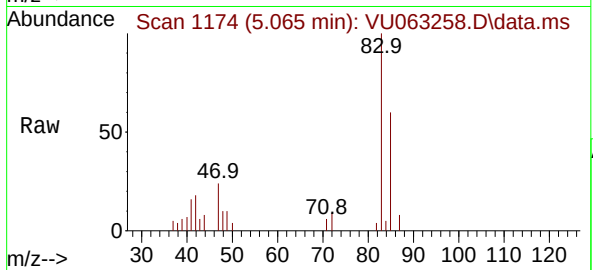




#41  
Tetrahydrofuran  
Concen: 1.038 ug/l  
RT: 5.065 min Scan# 1166  
Delta R.T. 0.026 min  
Lab File: VU063258.D  
Acq: 12 Feb 2025 16:44

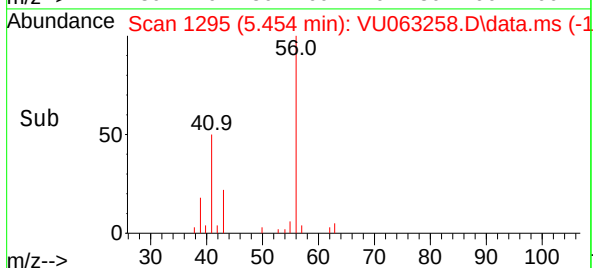
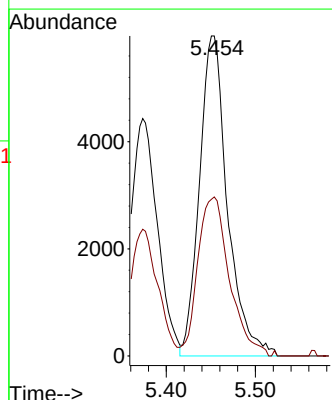
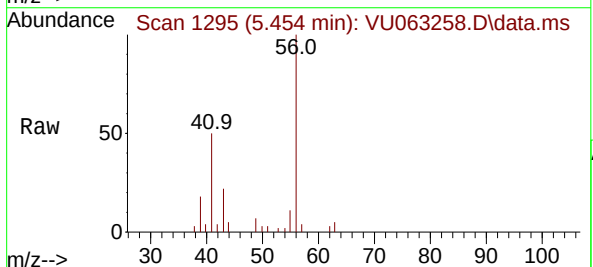
Instrument :  
MSVOA\_U  
ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 2383  |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 48.7  | 41.5  | 62.3  |
| 71       | 23.0  | 37.2  | 55.8# |

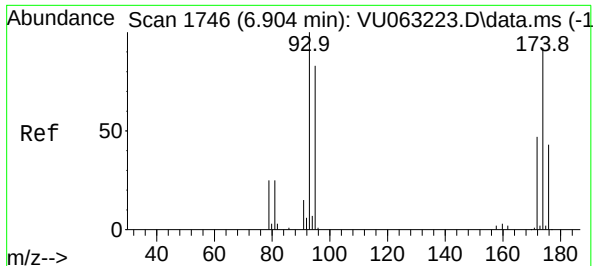


#42  
1-Chlorobutane  
Concen: 0.487 ug/l  
RT: 5.454 min Scan# 1295  
Delta R.T. 0.010 min  
Lab File: VU063258.D  
Acq: 12 Feb 2025 16:44

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 56    | Resp: | 13049 |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 41       | 56.1  | 26.3  | 78.8  |







#43

Dibromomethane

Concen: 0.533 ug/l

RT: 6.910 min Scan# 1

Delta R.T. 0.006 min

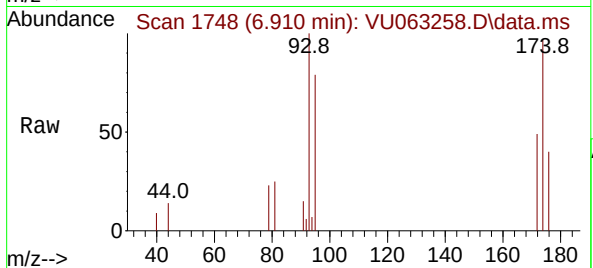
Lab File: VU063258.D

Acq: 12 Feb 2025 16:44

Instrument :

MSVOA\_U

ClientSampleId :



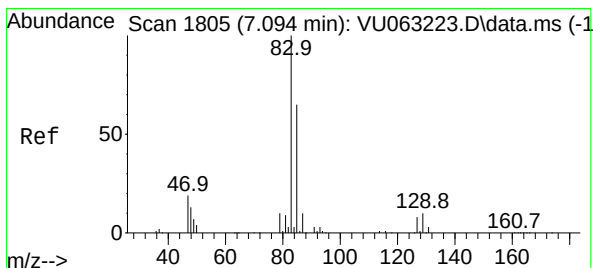
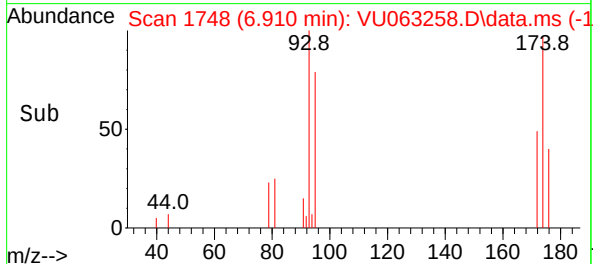
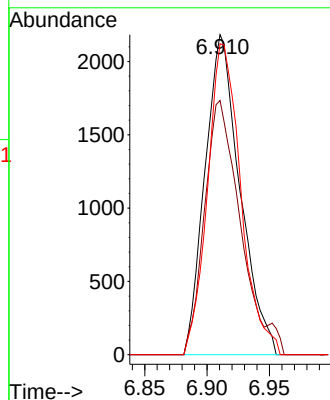
Tgt Ion: 93 Resp: 4261

Ion Ratio Lower Upper

93 100

95 81.9 67.2 100.8

174 92.7 75.7 113.5



#44

Bromodichloromethane

Concen: 0.545 ug/l

RT: 7.097 min Scan# 1806

Delta R.T. 0.003 min

Lab File: VU063258.D

Acq: 12 Feb 2025 16:44

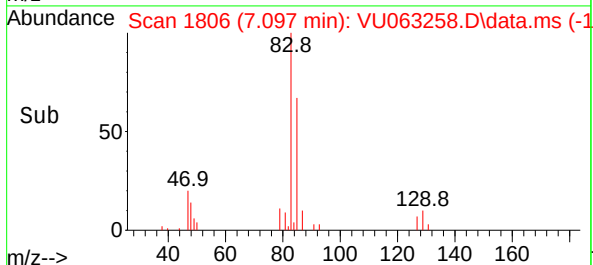
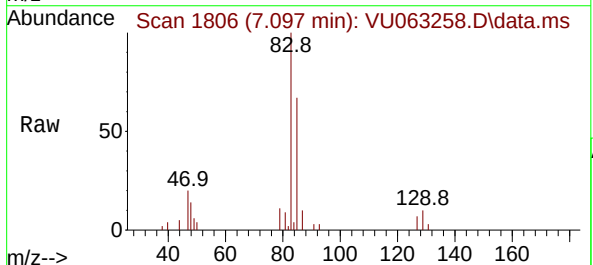
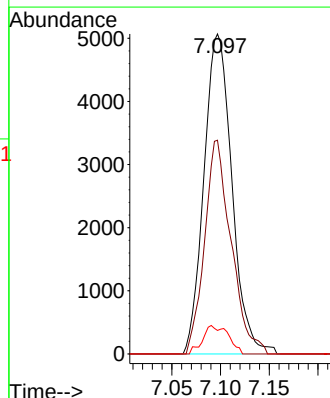
Tgt Ion: 83 Resp: 10140

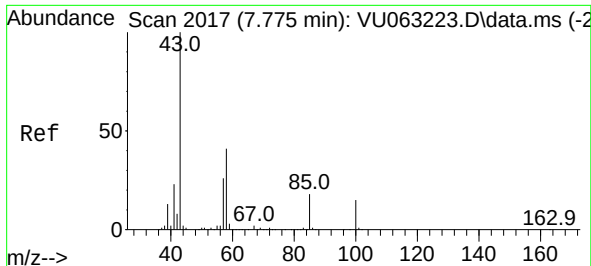
Ion Ratio Lower Upper

83 100

85 66.8 51.7 77.5

127 7.3 6.7 10.1

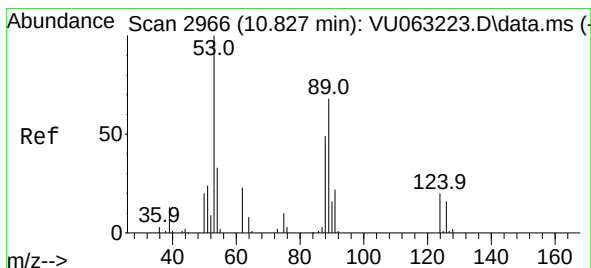
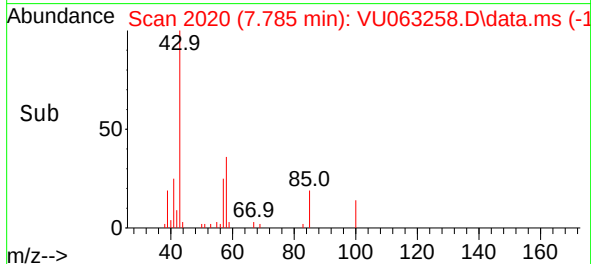
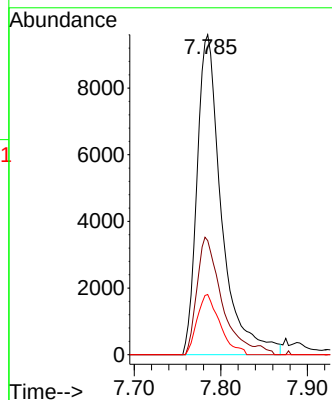
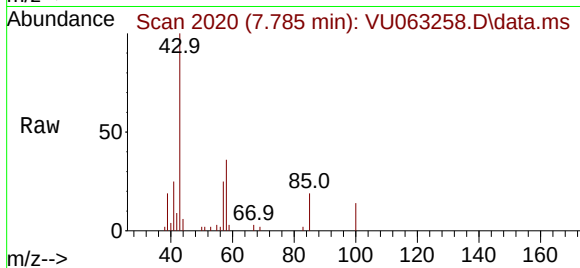




#45  
4-Methyl-2-Pentanone  
Concen: 2.247 ug/l  
RT: 7.785 min Scan# 2017  
Delta R.T. 0.010 min  
Lab File: VU063258.D  
Acq: 12 Feb 2025 16:44

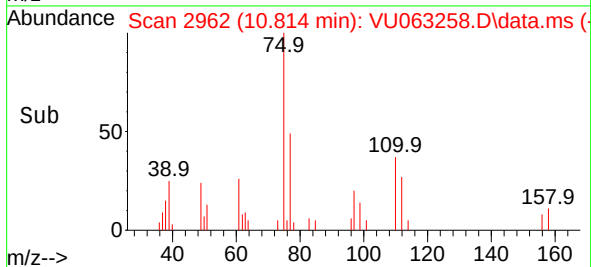
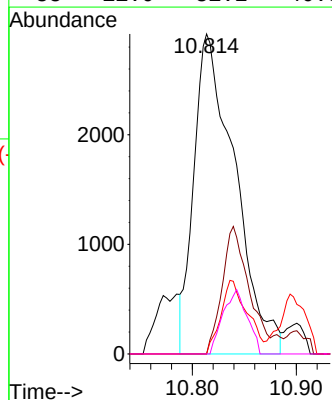
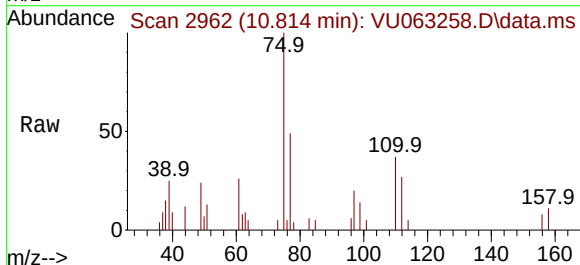
Instrument :  
MSVOA\_U  
ClientSampleId :

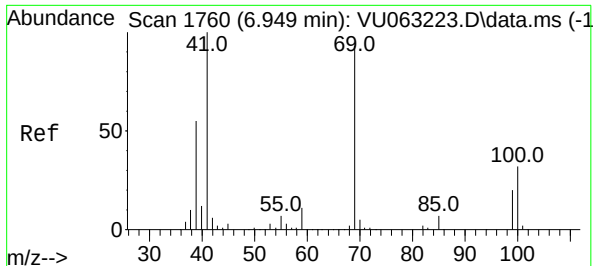
Tgt Ion: 43 Resp: 18815  
Ion Ratio Lower Upper  
43 100  
58 36.7 20.8 62.5  
85 17.5 14.8 22.2



#46  
t-1,4-Dichloro-2-butene  
Concen: 2.026 ug/l  
RT: 10.814 min Scan# 2962  
Delta R.T. -0.013 min  
Lab File: VU063258.D  
Acq: 12 Feb 2025 16:44

Tgt Ion: 75 Resp: 7975  
Ion Ratio Lower Upper  
75 100  
53 26.2 64.5 96.7#  
89 14.9 43.4 65.2#  
88 11.9 31.2 46.8#





#47

Methyl methacrylate

Concen: 0.828 ug/l

RT: 6.962 min Scan# 1

Delta R.T. 0.013 min

Lab File: VU063258.D

Acq: 12 Feb 2025 16:44

Instrument :

MSVOA\_U

ClientSampleId :

Tgt Ion: 69 Resp: 5571

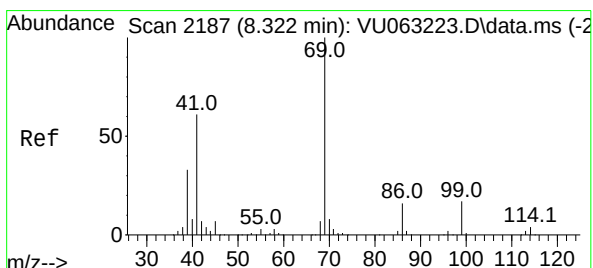
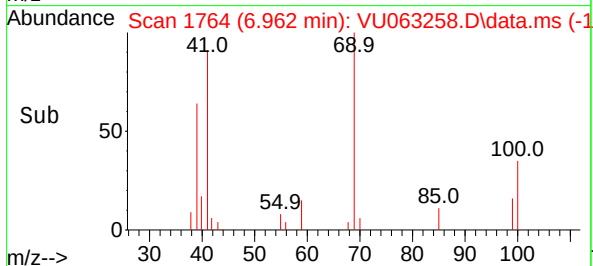
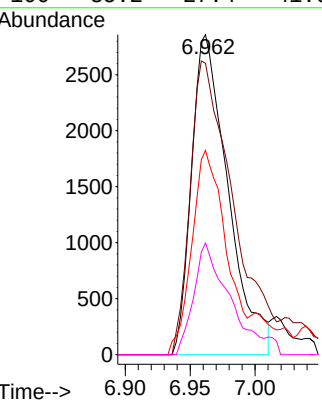
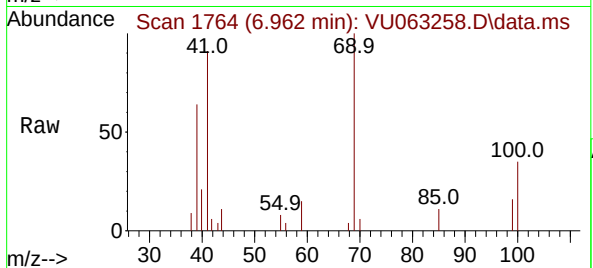
Ion Ratio Lower Upper

69 100

41 108.4 0.0 217.0

39 60.0 47.7 71.5

100 35.2 27.4 41.0



#48

Ethyl methacrylate

Concen: 0.414 ug/l

RT: 8.332 min Scan# 2190

Delta R.T. 0.010 min

Lab File: VU063258.D

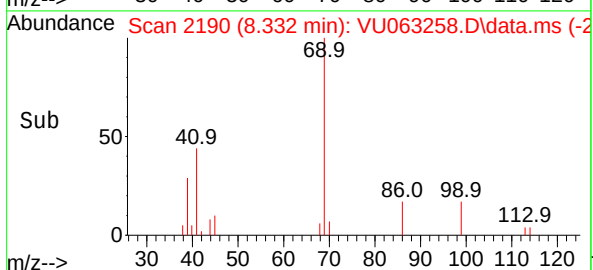
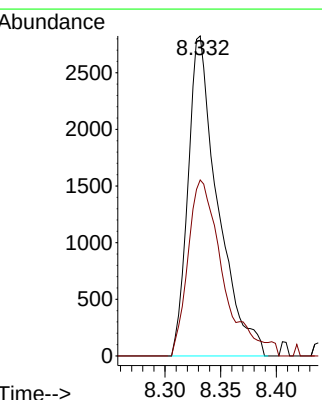
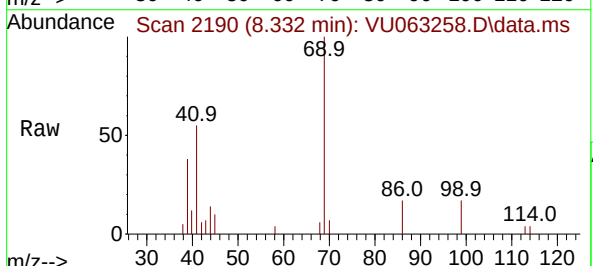
Acq: 12 Feb 2025 16:44

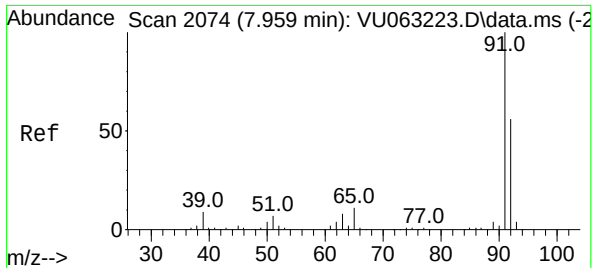
Tgt Ion: 69 Resp: 5233

Ion Ratio Lower Upper

69 100

41 64.6 30.6 92.0





#49

Toluene

Concen: 0.469 ug/l

RT: 7.962 min Scan# 2074

Delta R.T. 0.003 min

Lab File: VU063258.D

Acq: 12 Feb 2025 16:44

Instrument :

MSVOA\_U

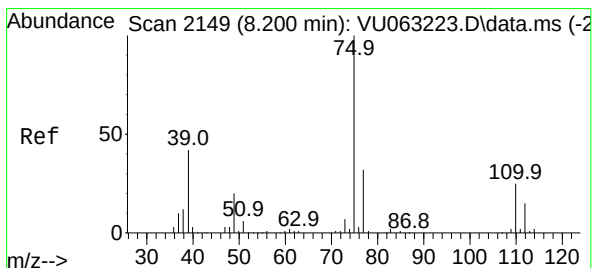
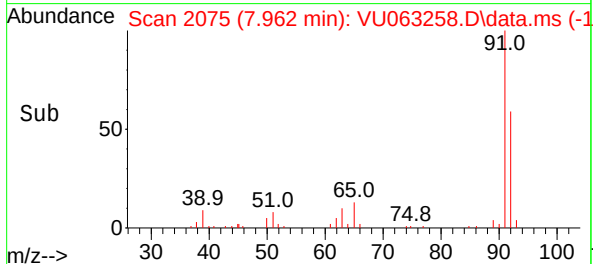
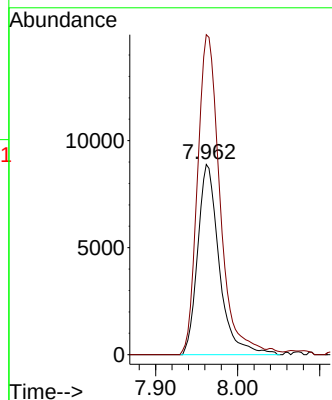
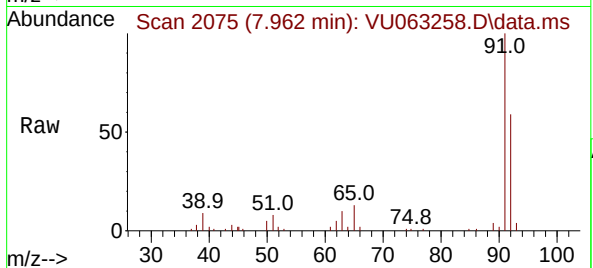
ClientSampleId :

Tgt Ion: 92 Resp: 16252

Ion Ratio Lower Upper

92 100

91 174.6 141.8 212.6



#50

t-1,3-Dichloropropene

Concen: 0.476 ug/l

RT: 8.206 min Scan# 2151

Delta R.T. 0.006 min

Lab File: VU063258.D

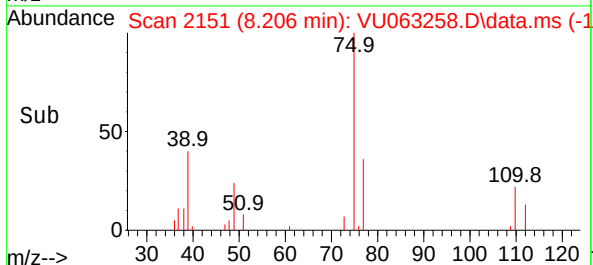
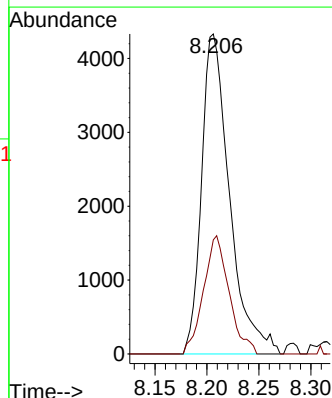
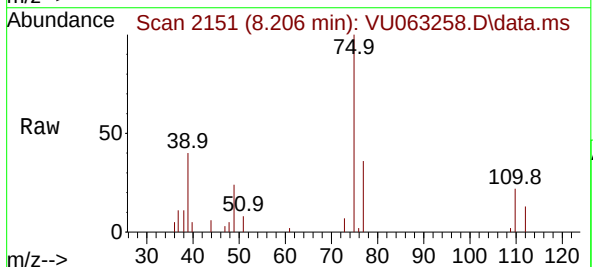
Acq: 12 Feb 2025 16:44

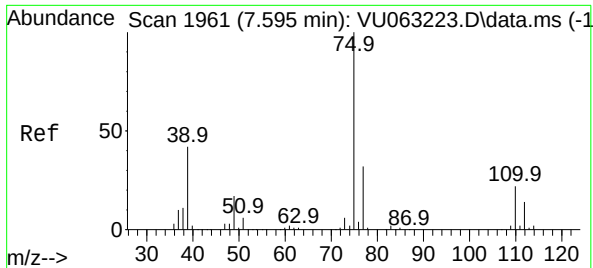
Tgt Ion: 75 Resp: 8104

Ion Ratio Lower Upper

75 100

77 35.7 25.9 38.9

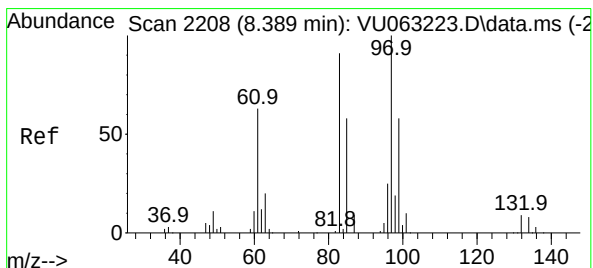
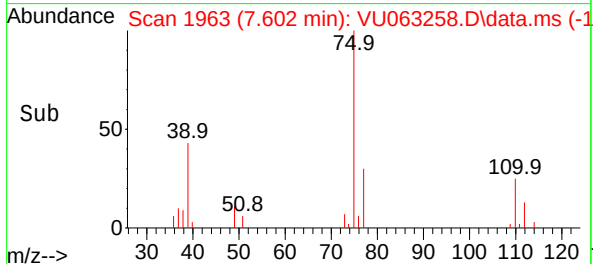
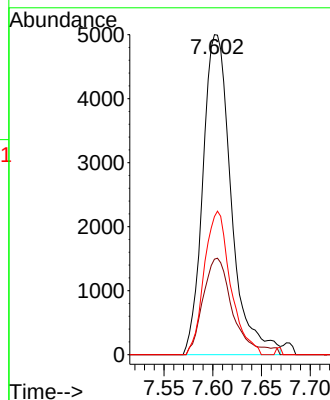
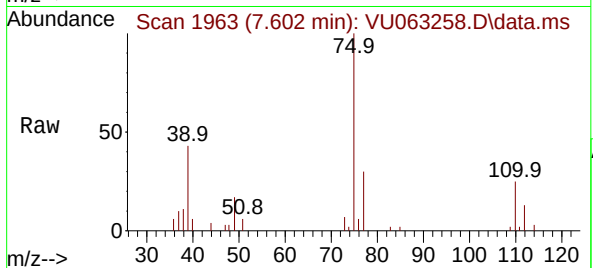




#51  
 cis-1,3-Dichloropropene  
 Concen: 0.481 ug/l  
 RT: 7.602 min Scan# 1963  
 Delta R.T. 0.006 min  
 Lab File: VU063258.D  
 Acq: 12 Feb 2025 16:44

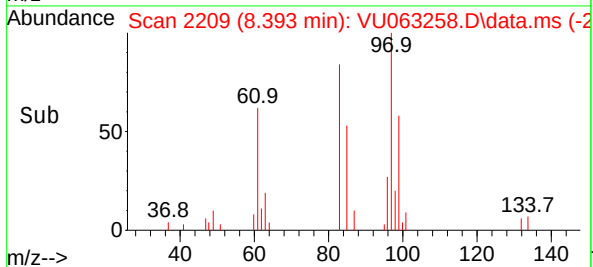
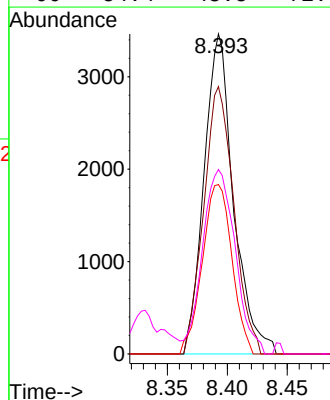
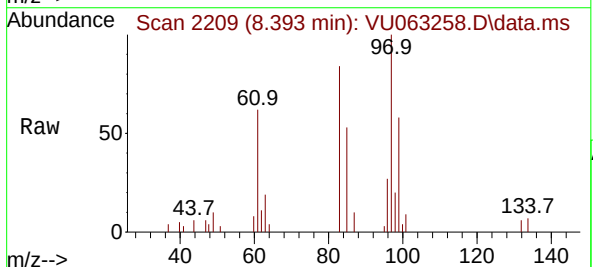
Instrument :  
 MSVOA\_U  
 ClientSampleId :

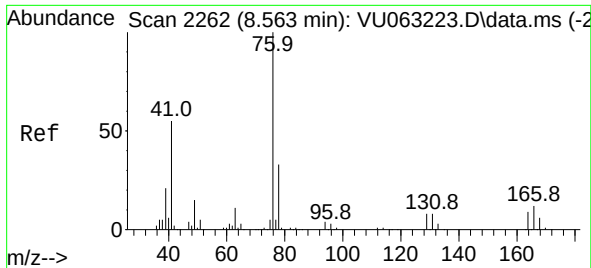
Tgt Ion: 75 Resp: 10115  
 Ion Ratio Lower Upper  
 75 100  
 77 29.9 25.3 37.9  
 39 43.2 33.5 50.3



#52  
 1,1,2-Trichloroethane  
 Concen: 0.550 ug/l  
 RT: 8.393 min Scan# 2209  
 Delta R.T. 0.003 min  
 Lab File: VU063258.D  
 Acq: 12 Feb 2025 16:44

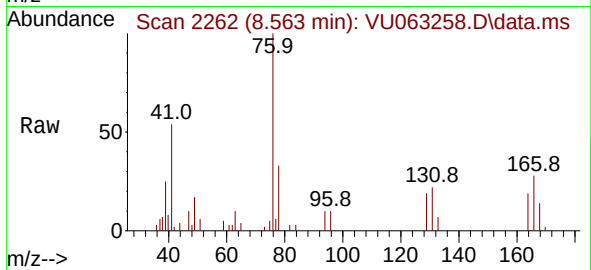
Tgt Ion: 97 Resp: 5925  
 Ion Ratio Lower Upper  
 97 100  
 83 83.5 73.0 109.4  
 85 53.0 46.3 69.5  
 99 54.4 48.5 72.7



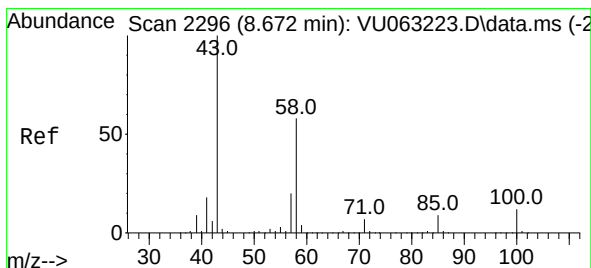
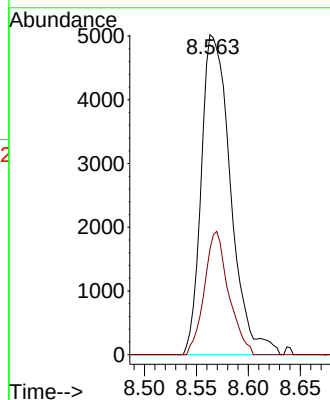
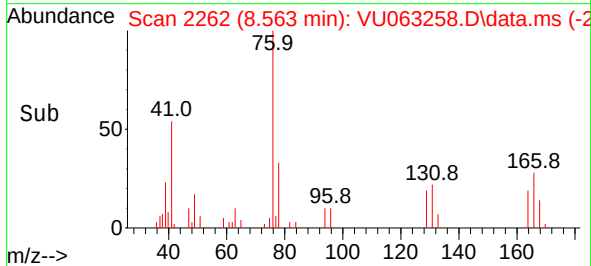


#53  
1,3-Dichloropropane  
Concen: 0.515 ug/l  
RT: 8.563 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VU063258.D  
Acq: 12 Feb 2025 16:44

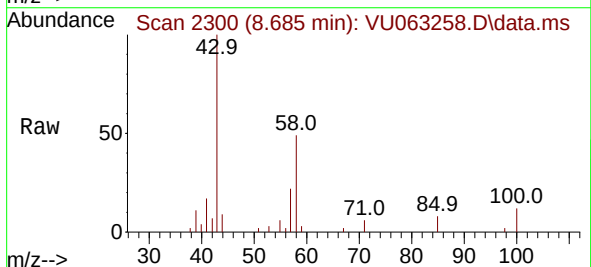
Instrument :  
MSVOA\_U  
ClientSampleId :



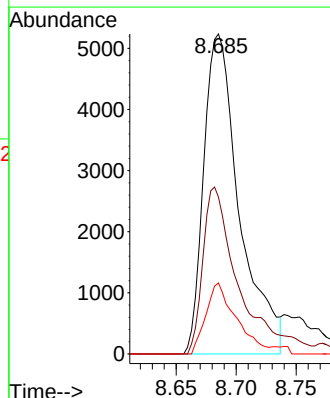
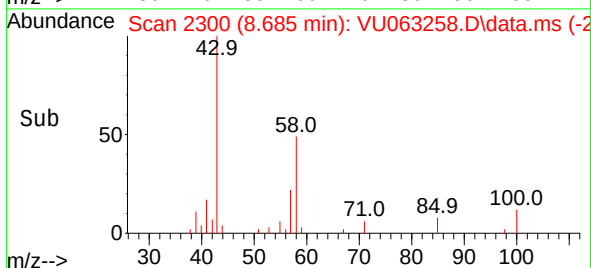
Tgt Ion: 76 Resp: 9839  
Ion Ratio Lower Upper  
76 100  
78 31.9 26.3 39.5

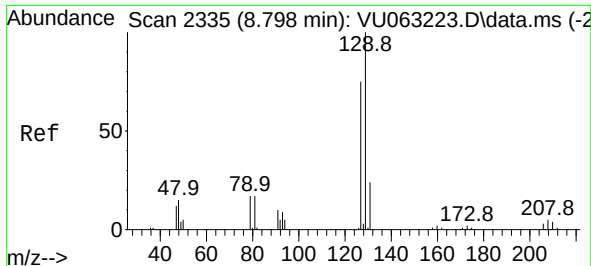


#54  
2-Hexanone  
Concen: 1.898 ug/l  
RT: 8.685 min Scan# 2300  
Delta R.T. 0.013 min  
Lab File: VU063258.D  
Acq: 12 Feb 2025 16:44



Tgt Ion: 43 Resp: 10848  
Ion Ratio Lower Upper  
43 100  
58 52.7 38.0 78.0  
57 18.9 0.0 39.1





#55

Dibromochloromethane

Concen: 0.492 ug/l

RT: 8.801 min Scan# 2336

Delta R.T. 0.003 min

Lab File: VU063258.D

Acq: 12 Feb 2025 16:44

Instrument :

MSVOA\_U

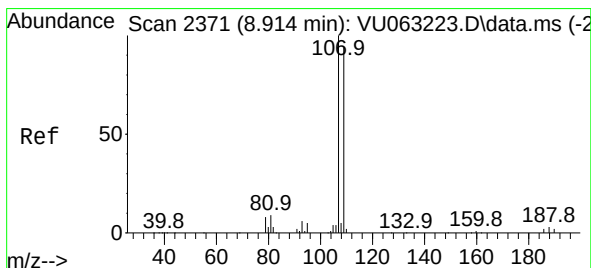
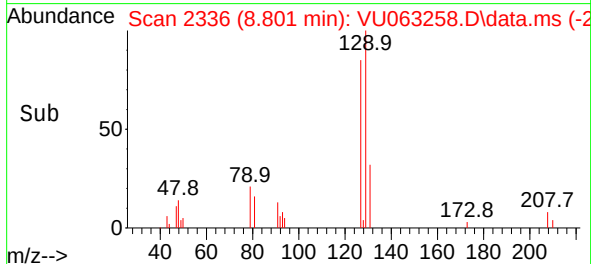
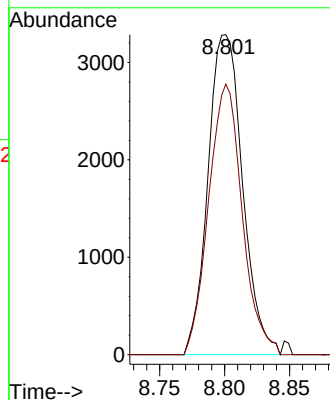
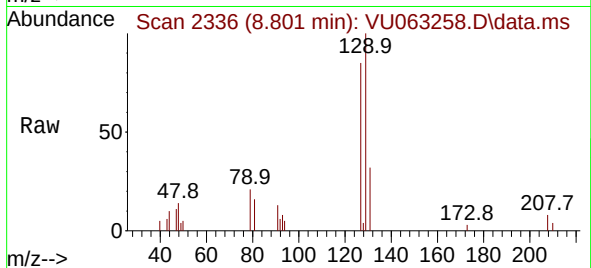
ClientSampleId :

Tgt Ion:129 Resp: 6097

Ion Ratio Lower Upper

129 100

127 81.9 60.4 90.6



#56

1,2-Dibromoethane

Concen: 0.469 ug/l

RT: 8.917 min Scan# 2372

Delta R.T. 0.003 min

Lab File: VU063258.D

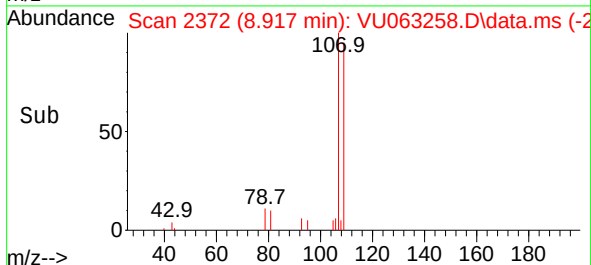
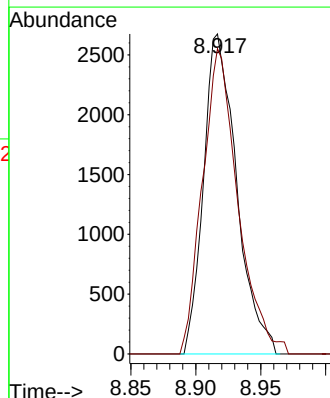
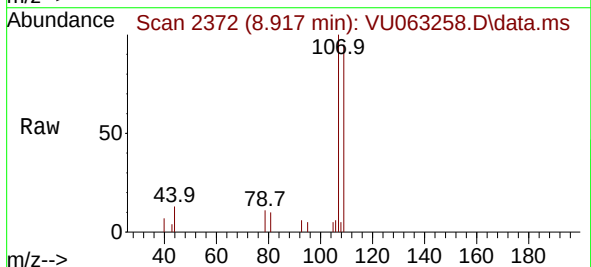
Acq: 12 Feb 2025 16:44

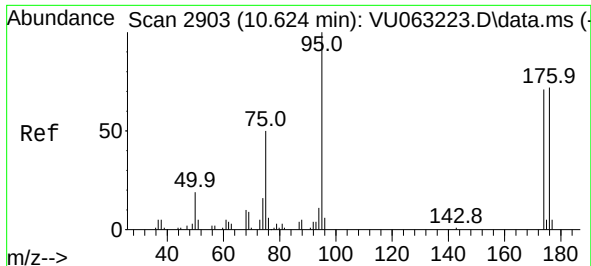
Tgt Ion:107 Resp: 4742

Ion Ratio Lower Upper

107 100

109 102.1 0.0 187.8

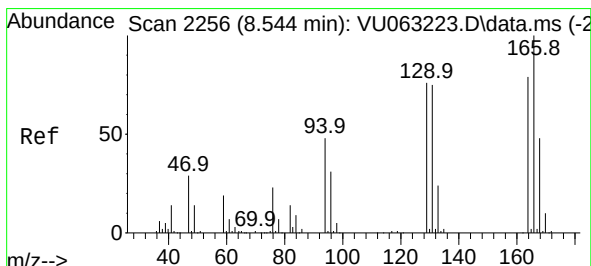
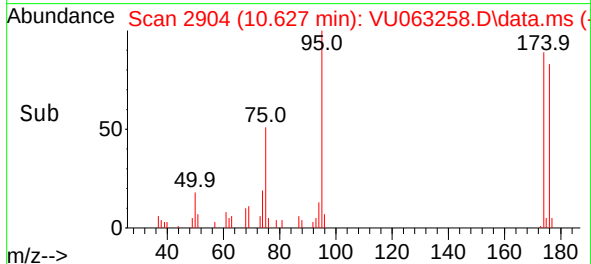
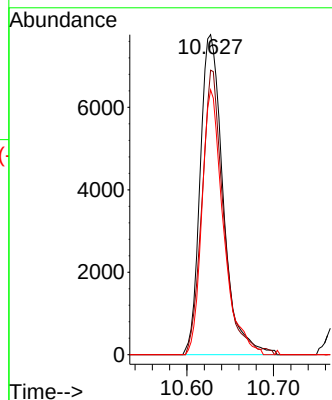
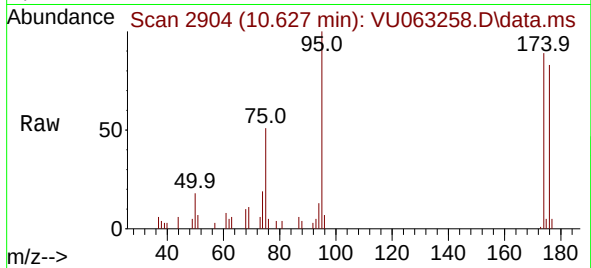




#57  
4-Bromofluorobenzene  
Concen: 0.887 ug/l  
RT: 10.627 min Scan# 2904  
Delta R.T. 0.003 min  
Lab File: VU063258.D  
Acq: 12 Feb 2025 16:44

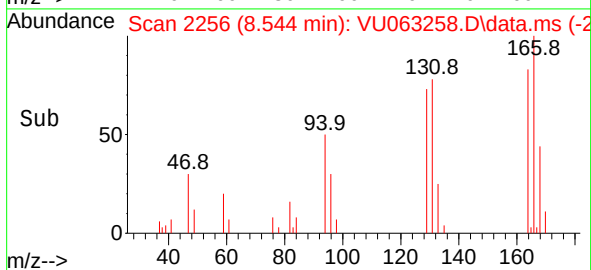
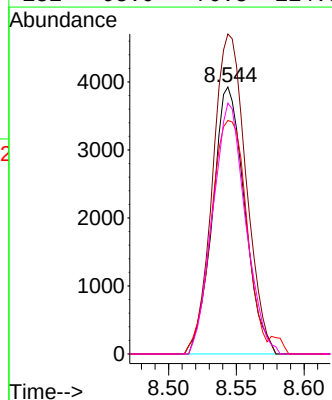
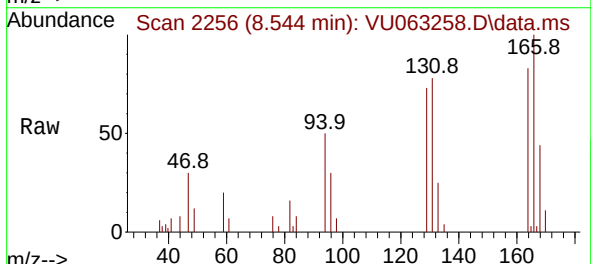
Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion: 95 Resp: 14348  
Ion Ratio Lower Upper  
95 100  
174 83.2 58.6 88.0  
176 77.2 58.2 87.4

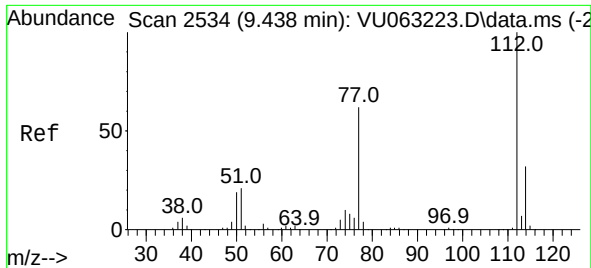


#58  
Tetrachloroethene  
Concen: 0.548 ug/l  
RT: 8.544 min Scan# 2256  
Delta R.T. -0.000 min  
Lab File: VU063258.D  
Acq: 12 Feb 2025 16:44

Tgt Ion: 164 Resp: 6468  
Ion Ratio Lower Upper  
164 100  
166 119.8 101.4 152.0  
129 87.4 77.0 115.4  
131 93.9 76.3 114.5







#59

Chlorobenzene

Concen: 0.483 ug/l

RT: 9.441 min Scan# 2535

Delta R.T. 0.003 min

Lab File: VU063258.D

Acq: 12 Feb 2025 16:44

Instrument :

MSVOA\_U

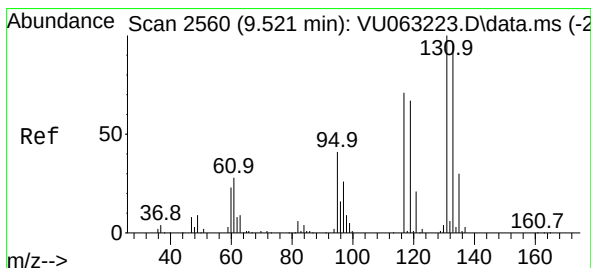
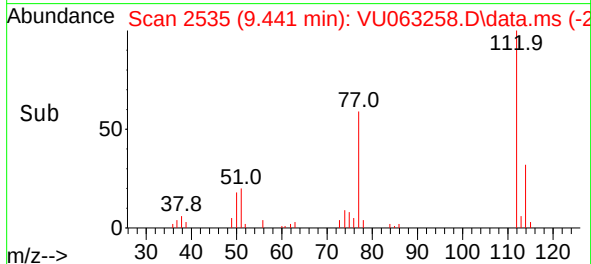
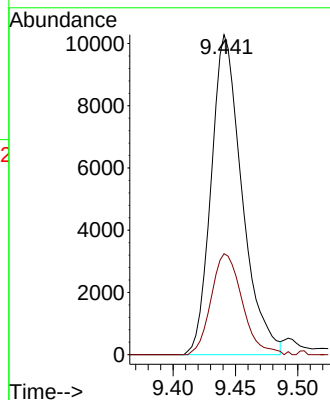
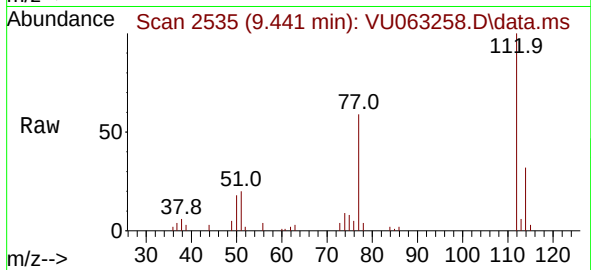
ClientSampleId :

Tgt Ion:112 Resp: 17681

Ion Ratio Lower Upper

112 100

114 31.6 25.7 38.5



#60

1,1,1,2-Tetrachloroethane

Concen: 0.527 ug/l

RT: 9.524 min Scan# 2561

Delta R.T. 0.003 min

Lab File: VU063258.D

Acq: 12 Feb 2025 16:44

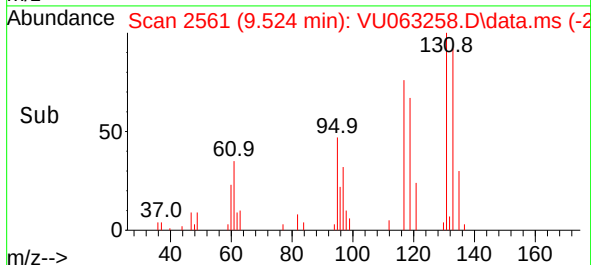
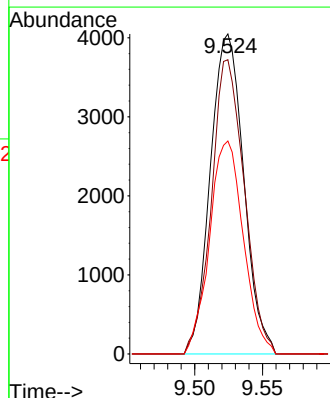
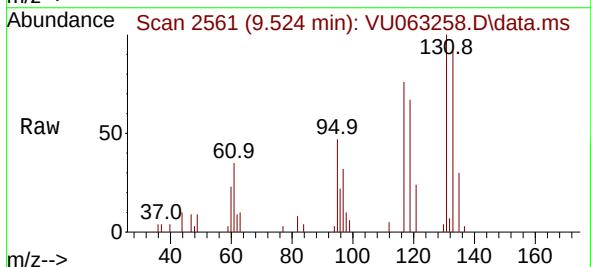
Tgt Ion:131 Resp: 6927

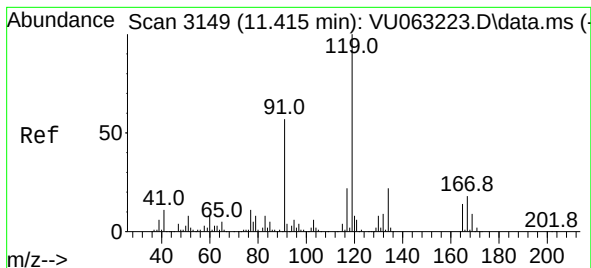
Ion Ratio Lower Upper

131 100

133 90.5 76.7 115.1

119 67.5 54.4 81.6

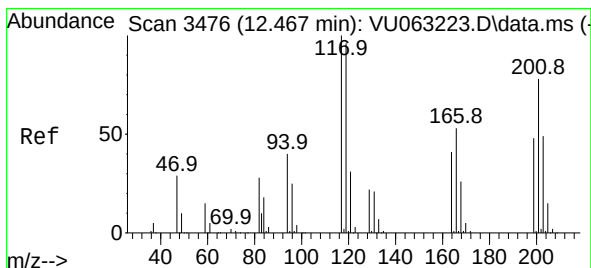
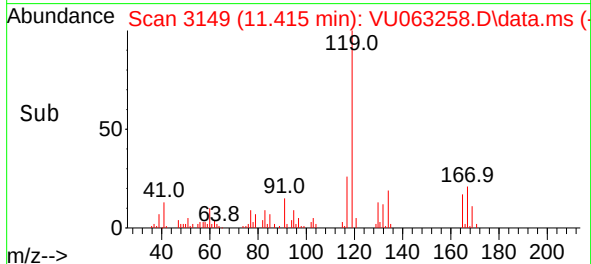
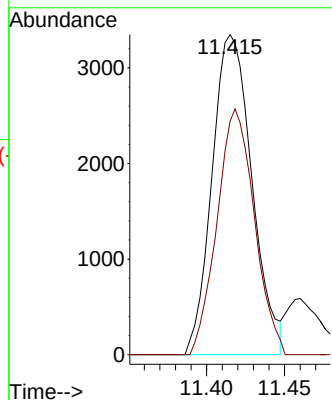
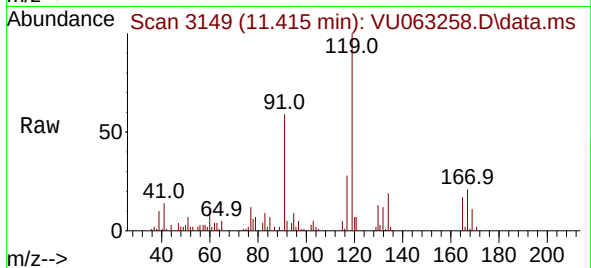




#61  
 Pentachloroethane  
 Concen: 0.507 ug/l  
 RT: 11.415 min Scan# 3149  
 Delta R.T. -0.000 min  
 Lab File: VU063258.D  
 Acq: 12 Feb 2025 16:44

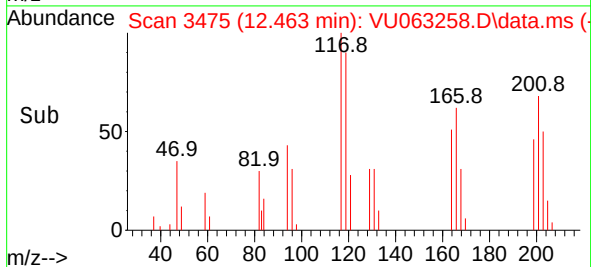
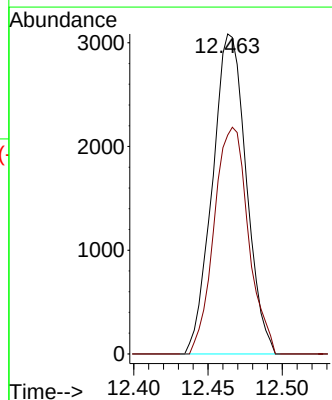
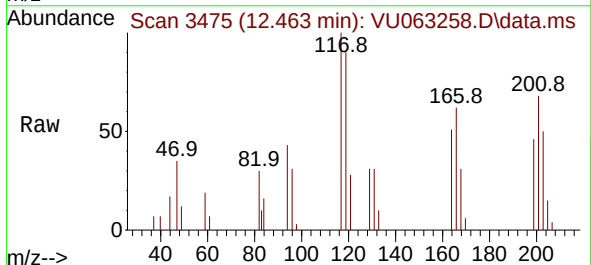
Instrument :  
 MSVOA\_U  
 ClientSampleId :

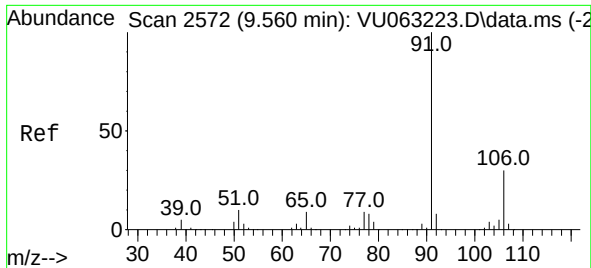
Tgt Ion:117 Resp: 5960  
 Ion Ratio Lower Upper  
 117 100  
 167 71.9 65.0 97.6



#62  
 Hexachloroethane  
 Concen: 0.469 ug/l  
 RT: 12.463 min Scan# 3475  
 Delta R.T. -0.003 min  
 Lab File: VU063258.D  
 Acq: 12 Feb 2025 16:44

Tgt Ion:117 Resp: 4878  
 Ion Ratio Lower Upper  
 117 100  
 201 72.0 61.3 91.9





#63

Ethyl Benzene

Concen: 0.434 ug/l

RT: 9.563 min Scan# 2572

Delta R.T. 0.003 min

Lab File: VU063258.D

Acq: 12 Feb 2025 16:44

Instrument :

MSVOA\_U

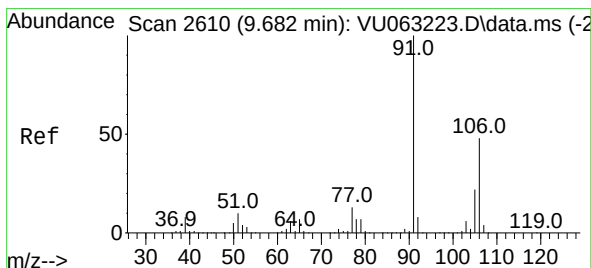
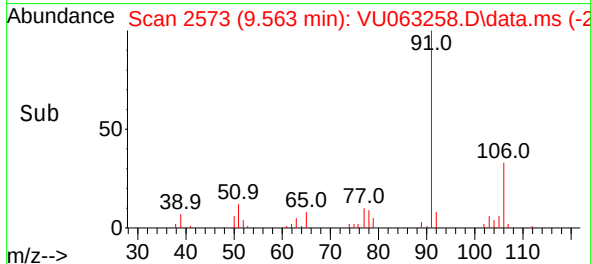
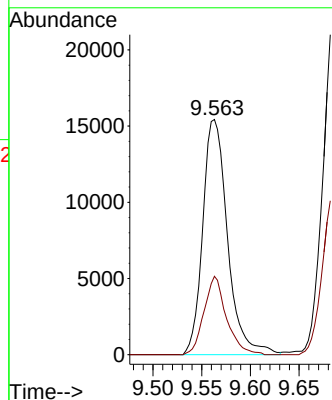
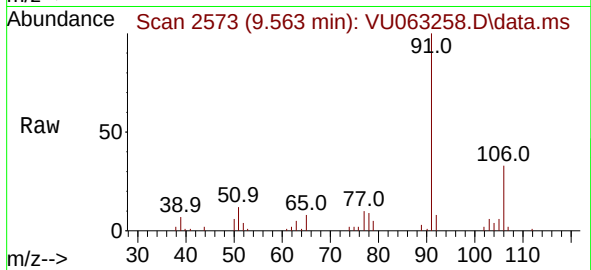
ClientSampleId :

Tgt Ion: 91 Resp: 27365

Ion Ratio Lower Upper

91 100

106 33.3 24.2 36.2



#64

m/p-Xylenes

Concen: 0.827 ug/l

RT: 9.685 min Scan# 2611

Delta R.T. 0.003 min

Lab File: VU063258.D

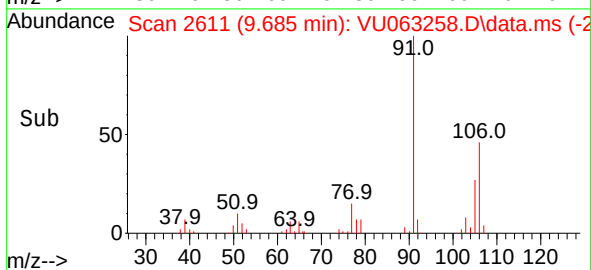
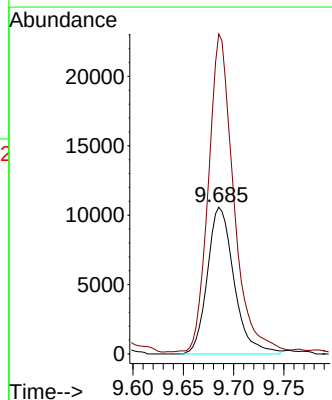
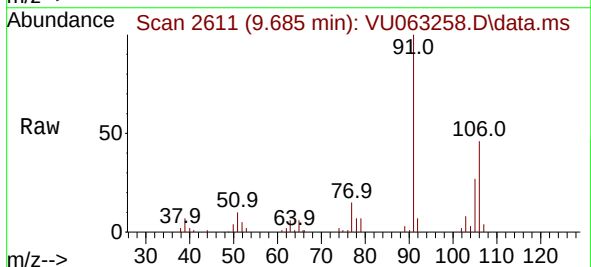
Acq: 12 Feb 2025 16:44

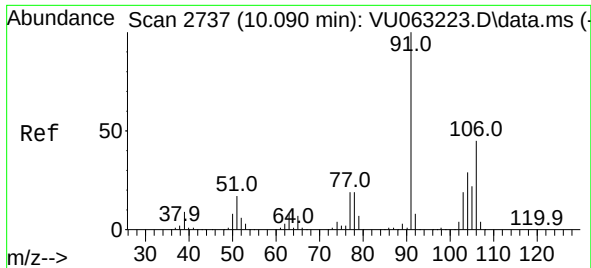
Tgt Ion:106 Resp: 19488

Ion Ratio Lower Upper

106 100

91 204.3 166.9 250.3

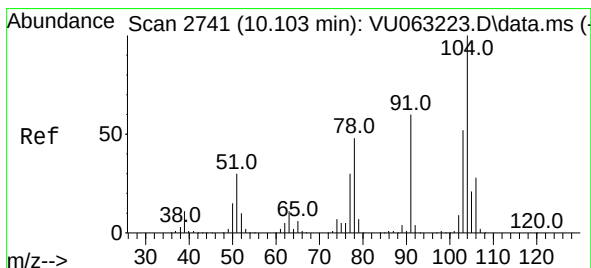
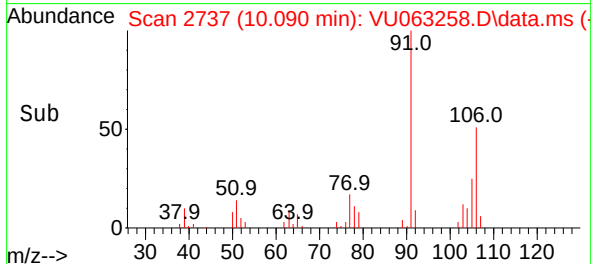
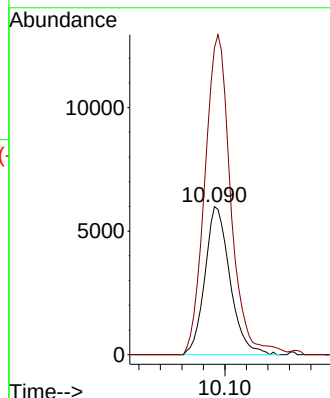
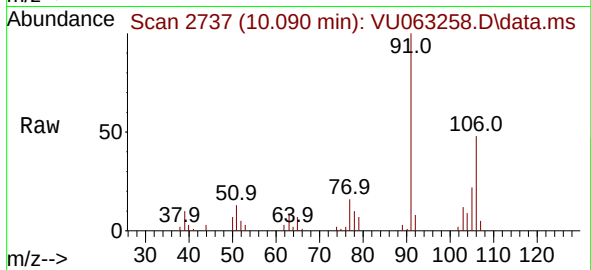




#65  
o-Xylene  
Concen: 0.420 ug/l  
RT: 10.090 min Scan# 2737  
Delta R.T. -0.000 min  
Lab File: VU063258.D  
Acq: 12 Feb 2025 16:44

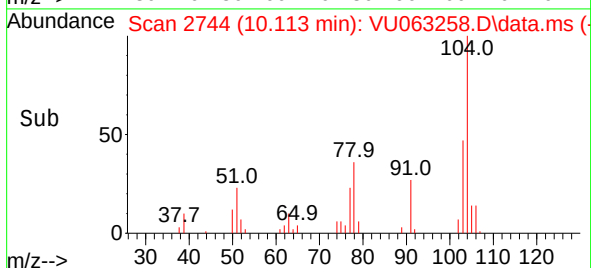
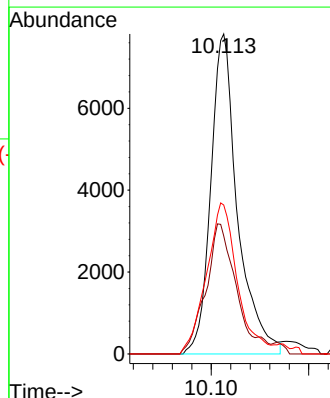
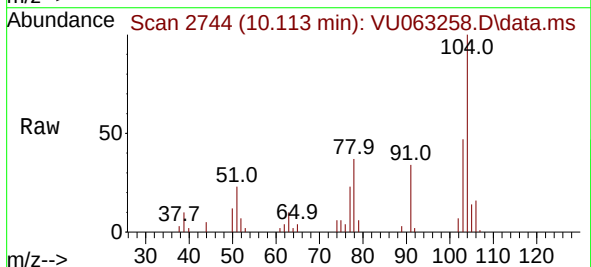
Instrument :  
MSVOA\_U  
ClientSampleId :

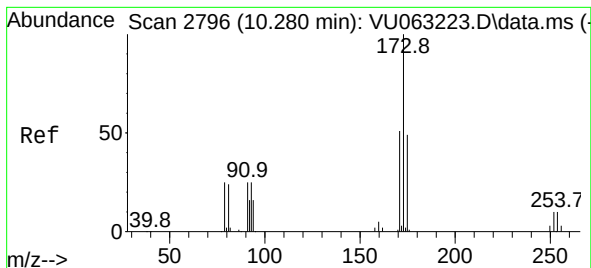
Tgt Ion:106 Resp: 9693  
Ion Ratio Lower Upper  
106 100  
91 223.0 110.9 332.9



#66  
Styrene  
Concen: 0.406 ug/l  
RT: 10.113 min Scan# 2744  
Delta R.T. 0.010 min  
Lab File: VU063258.D  
Acq: 12 Feb 2025 16:44

Tgt Ion:104 Resp: 14889  
Ion Ratio Lower Upper  
104 100  
78 46.7 41.2 61.8  
103 54.3 44.8 67.2





#67

Bromoform

Concen: 0.477 ug/l

RT: 10.283 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU063258.D

Acq: 12 Feb 2025 16:44

Instrument :

MSVOA\_U

ClientSampleId :

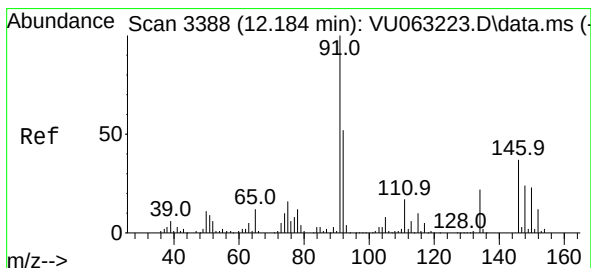
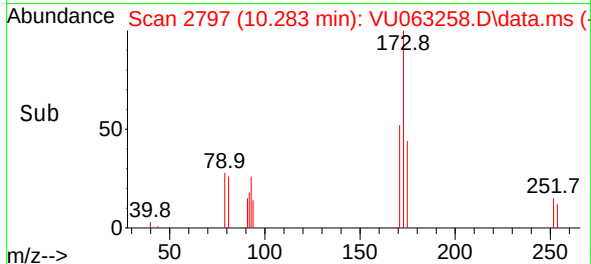
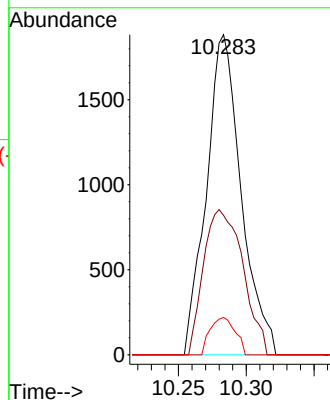
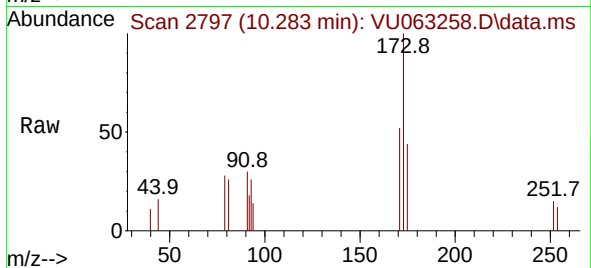
Tgt Ion:173 Resp: 3354

Ion Ratio Lower Upper

173 100

175 51.3 39.0 58.4

254 8.4 7.7 11.5



#68

1,2-Dichlorobenzene-d4

Concen: 0.876 ug/l

RT: 12.187 min Scan# 3389

Delta R.T. 0.003 min

Lab File: VU063258.D

Acq: 12 Feb 2025 16:44

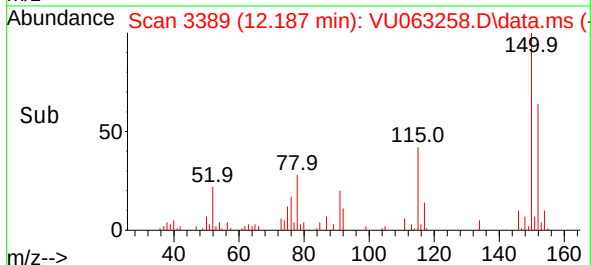
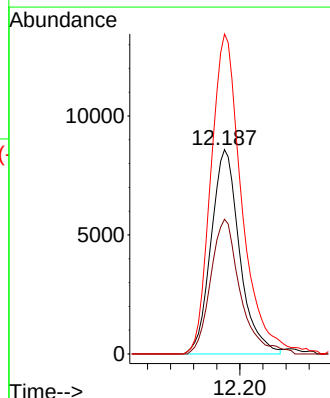
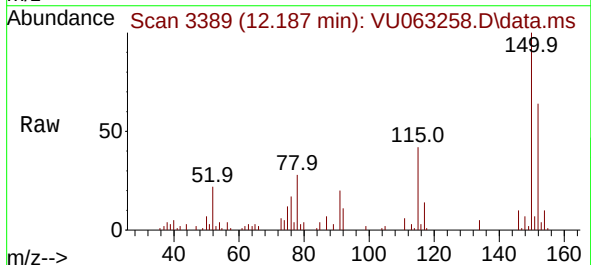
Tgt Ion:152 Resp: 14745

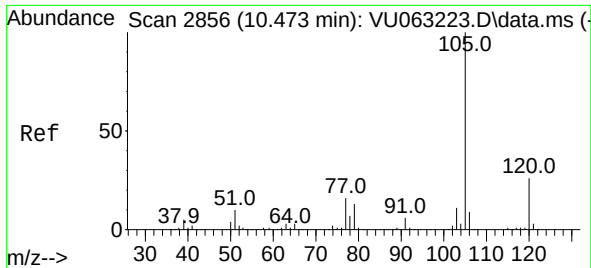
Ion Ratio Lower Upper

152 100

115 68.2 0.0 275.2

150 170.0 0.0 658.4

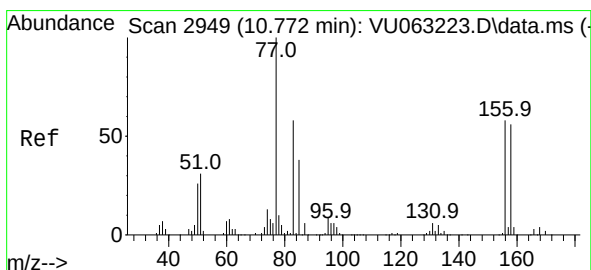
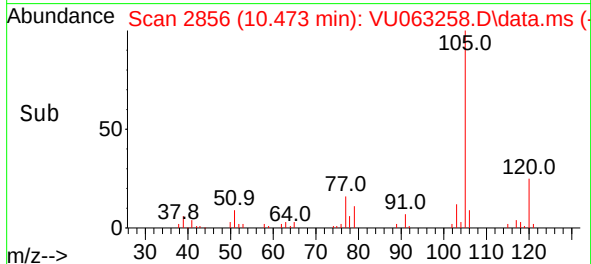
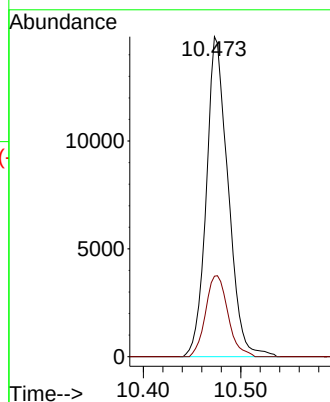
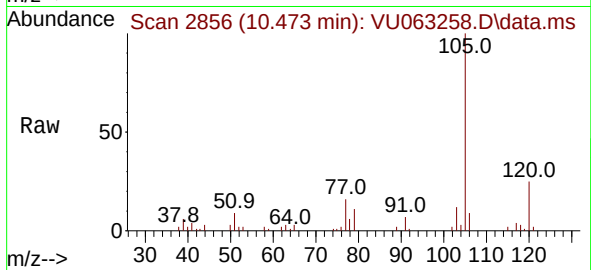




#69  
Isopropylbenzene  
Concen: 0.425 ug/l  
RT: 10.473 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VU063258.D  
Acq: 12 Feb 2025 16:44

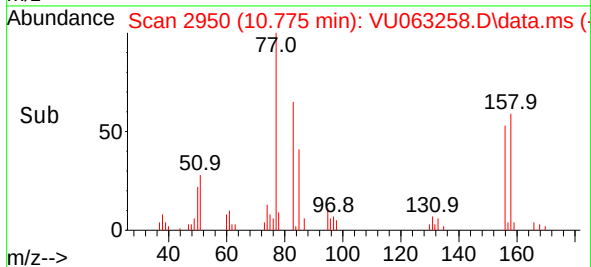
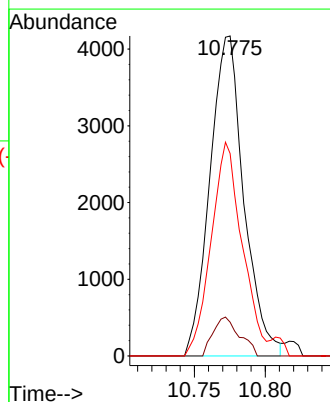
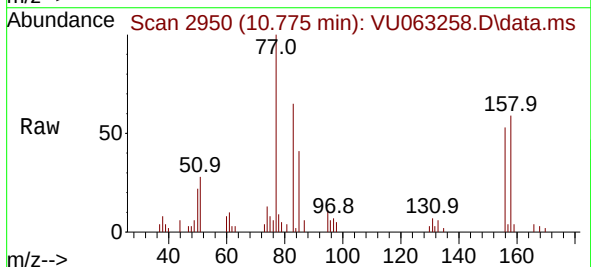
Instrument :  
MSVOA\_U  
ClientSampleId :

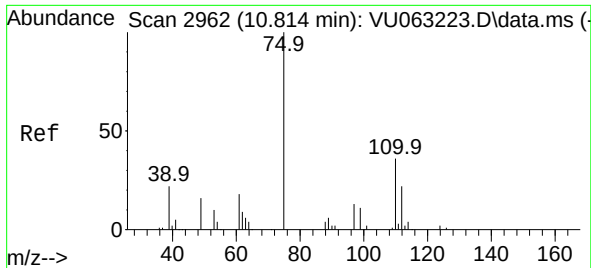
Tgt Ion:105 Resp: 23072  
Ion Ratio Lower Upper  
105 100  
120 26.0 12.8 38.4



#70  
1,1,2,2-Tetrachloroethane  
Concen: 0.478 ug/l  
RT: 10.775 min Scan# 2950  
Delta R.T. 0.003 min  
Lab File: VU063258.D  
Acq: 12 Feb 2025 16:44

Tgt Ion: 83 Resp: 6945  
Ion Ratio Lower Upper  
83 100  
131 9.5 7.4 11.0  
85 61.0 51.8 77.8

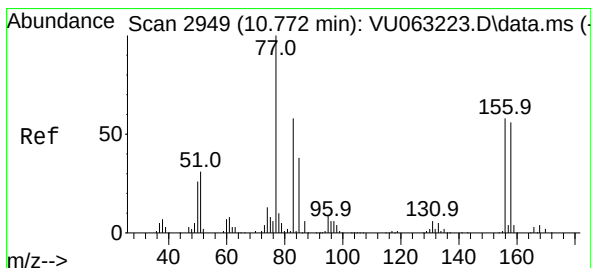
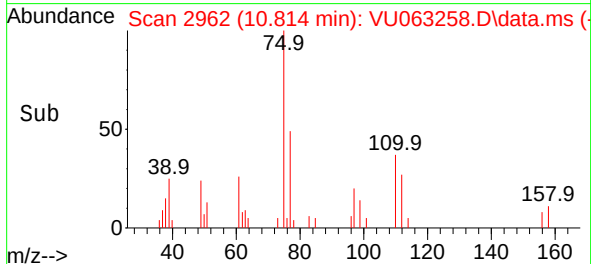
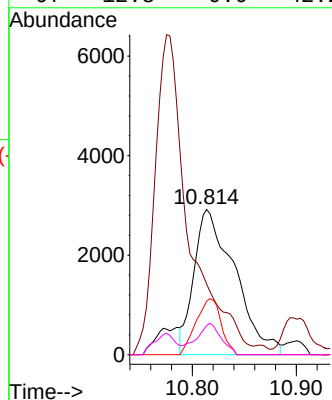
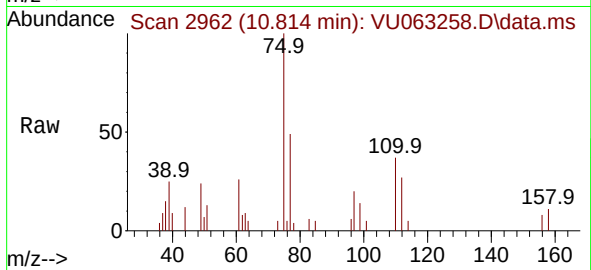




#71  
1,2,3-Trichloropropane  
Concen: 0.731 ug/l  
RT: 10.814 min Scan# 2962  
Delta R.T. -0.000 min  
Lab File: VU063258.D  
Acq: 12 Feb 2025 16:44

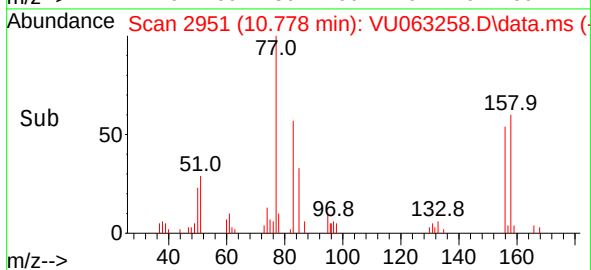
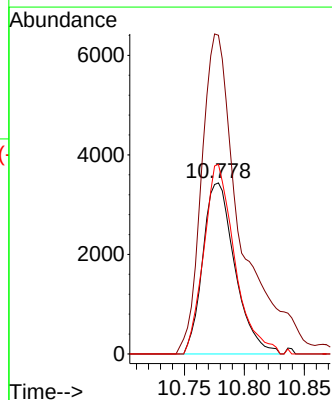
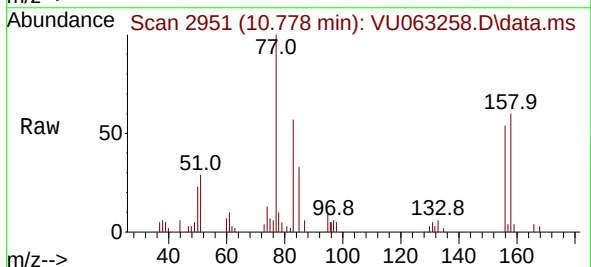
Instrument :  
MSVOA\_U  
ClientSampleId :

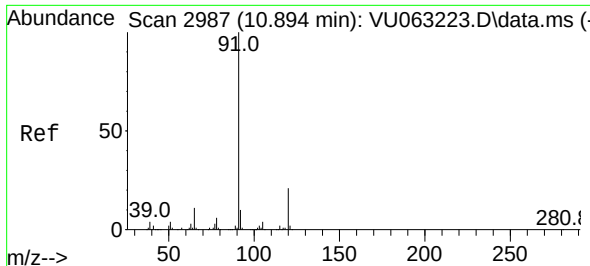
|             |       |       |
|-------------|-------|-------|
| Tgt Ion: 75 | Resp: | 7975  |
| Ion Ratio   | Lower | Upper |
| 75          | 100   |       |
| 77          | 0.0   | 0.0   |
| 110         | 23.5  | 77.0  |
| 97          | 12.8  | 42.2  |



#72  
Bromobenzene  
Concen: 0.438 ug/l  
RT: 10.778 min Scan# 2951  
Delta R.T. 0.006 min  
Lab File: VU063258.D  
Acq: 12 Feb 2025 16:44

|              |       |       |
|--------------|-------|-------|
| Tgt Ion: 156 | Resp: | 6396  |
| Ion Ratio    | Lower | Upper |
| 156          | 100   |       |
| 77           | 228.2 | 343.6 |
| 158          | 107.0 | 193.0 |

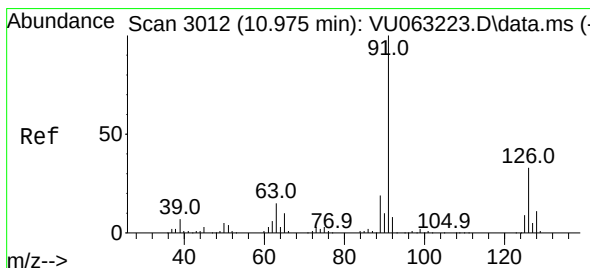
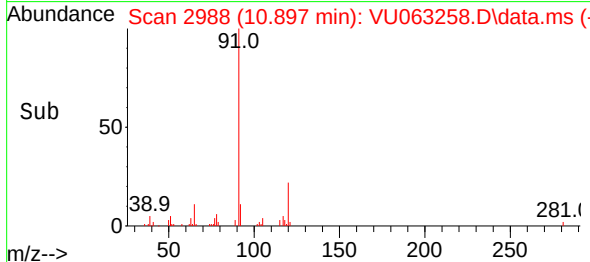
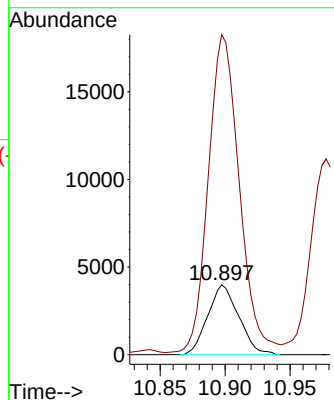
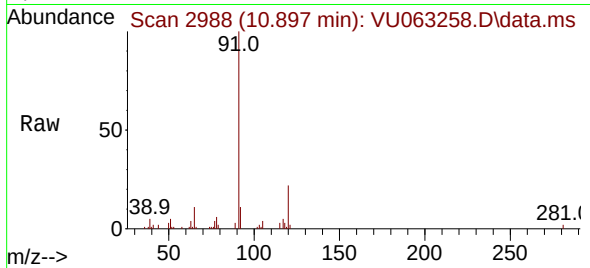




#73  
n-propylbenzene  
Concen: 0.425 ug/l  
RT: 10.897 min Scan# 2987  
Delta R.T. 0.003 min  
Lab File: VU063258.D  
Acq: 12 Feb 2025 16:44

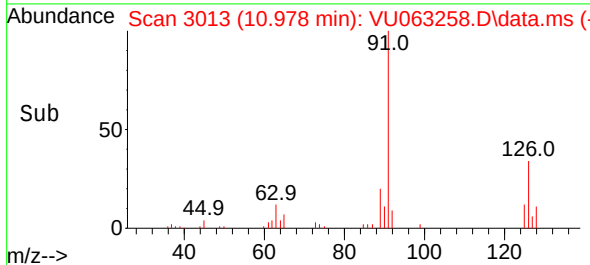
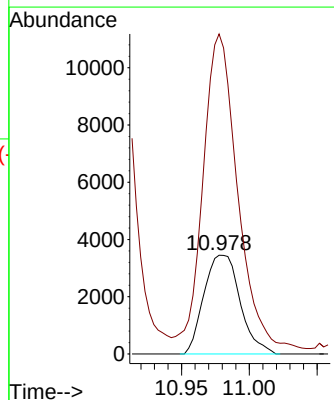
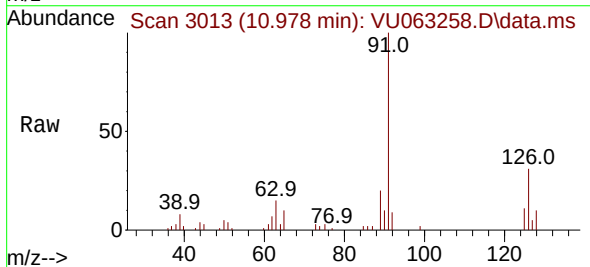
Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion:120 Resp: 6602  
Ion Ratio Lower Upper  
120 100  
91 454.4 369.8 554.6

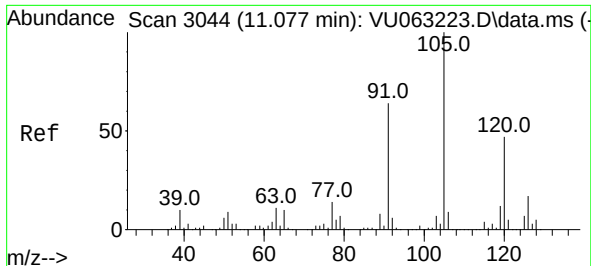


#74  
2-Chlorotoluene  
Concen: 0.449 ug/l  
RT: 10.978 min Scan# 3013  
Delta R.T. 0.003 min  
Lab File: VU063258.D  
Acq: 12 Feb 2025 16:44

Tgt Ion:126 Resp: 6421  
Ion Ratio Lower Upper  
126 100  
91 309.9 0.0 623.8

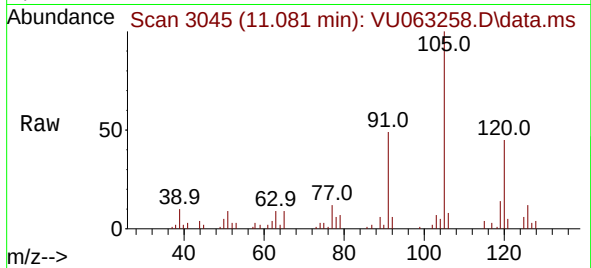




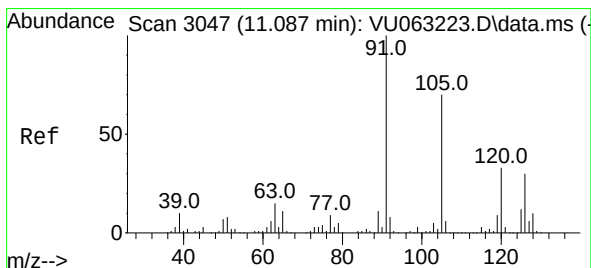
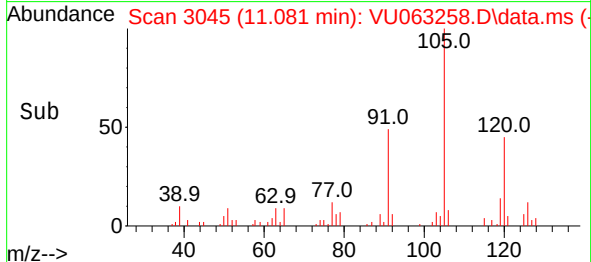
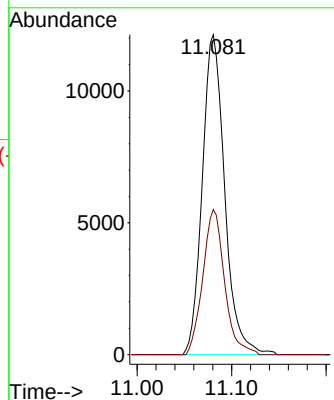


#75  
1,3,5-Trimethylbenzene  
Concen: 0.398 ug/l  
RT: 11.081 min Scan# 3045  
Delta R.T. 0.003 min  
Lab File: VU063258.D  
Acq: 12 Feb 2025 16:44

Instrument :  
MSVOA\_U  
ClientSampleId :

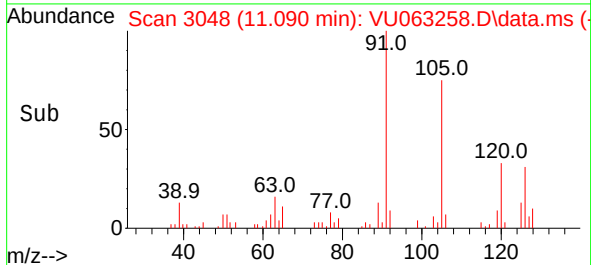
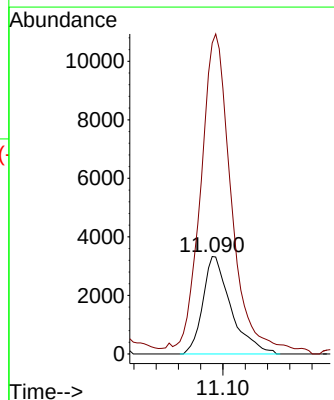
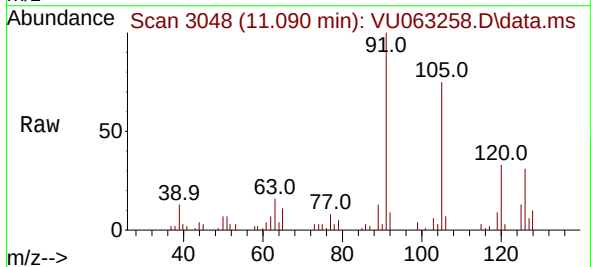


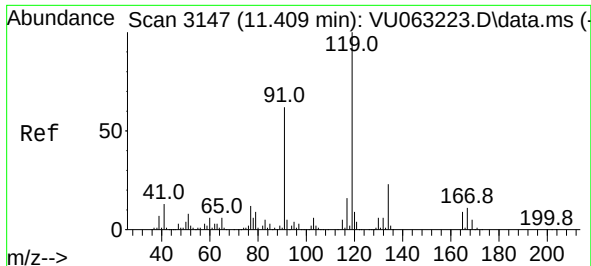
Tgt Ion:105 Resp: 20008  
Ion Ratio Lower Upper  
105 100  
120 44.0 37.3 55.9



#76  
4-Chlorotoluene  
Concen: 0.398 ug/l  
RT: 11.090 min Scan# 3048  
Delta R.T. 0.003 min  
Lab File: VU063258.D  
Acq: 12 Feb 2025 16:44

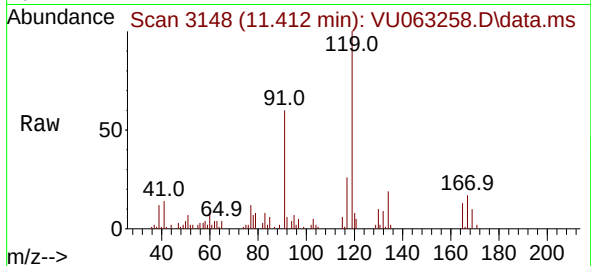
Tgt Ion:126 Resp: 5838  
Ion Ratio Lower Upper  
126 100  
91 364.3 0.0 703.6



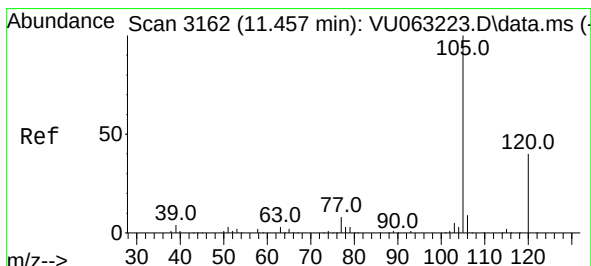
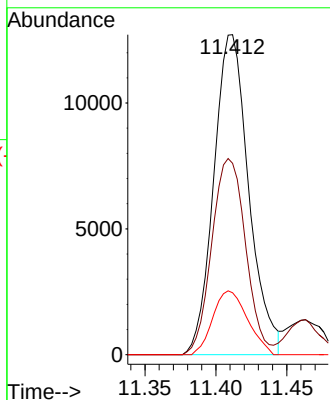
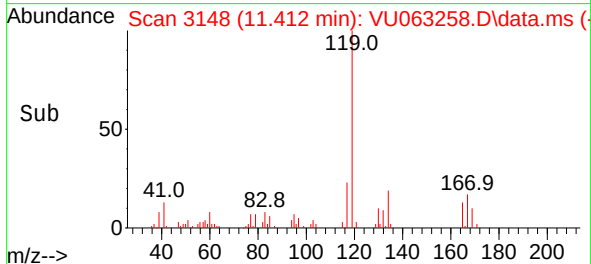


#77  
 tert-Butylbenzene  
 Concen: 0.430 ug/l  
 RT: 11.412 min Scan# 3148  
 Delta R.T. 0.003 min  
 Lab File: VU063258.D  
 Acq: 12 Feb 2025 16:44

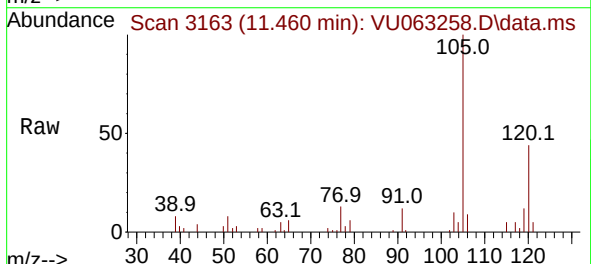
Instrument :  
 MSVOA\_U  
 ClientSampleId :



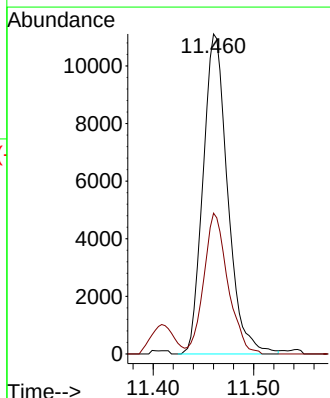
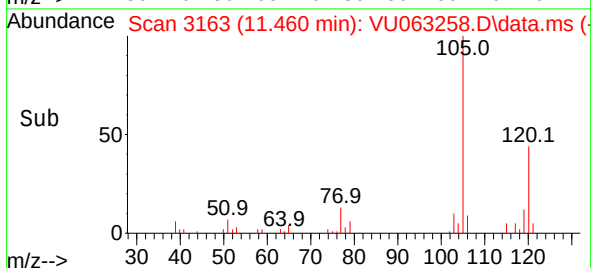
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 119   | Resp: | 21863 |
| Ion Ratio | Lower | Upper |       |
| 119       | 100   |       |       |
| 91        | 59.3  | 29.4  | 88.3  |
| 134       | 19.8  | 17.6  | 26.4  |

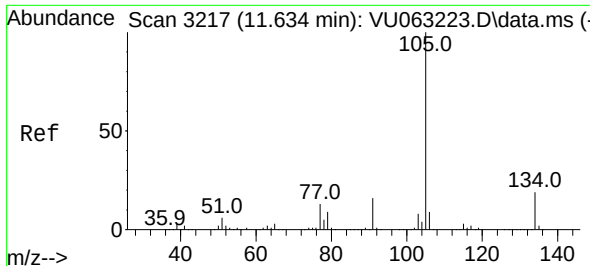


#78  
 1,2,4-Trimethylbenzene  
 Concen: 0.379 ug/l  
 RT: 11.460 min Scan# 3163  
 Delta R.T. 0.003 min  
 Lab File: VU063258.D  
 Acq: 12 Feb 2025 16:44



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 105   | Resp: | 18892 |
| Ion Ratio | Lower | Upper |       |
| 105       | 100   |       |       |
| 120       | 43.0  | 21.9  | 65.7  |





#79

sec-Butylbenzene

Concen: 0.408 ug/l

RT: 11.634 min Scan# 3217

Delta R.T. -0.000 min

Lab File: VU063258.D

Acq: 12 Feb 2025 16:44

Instrument :

MSVOA\_U

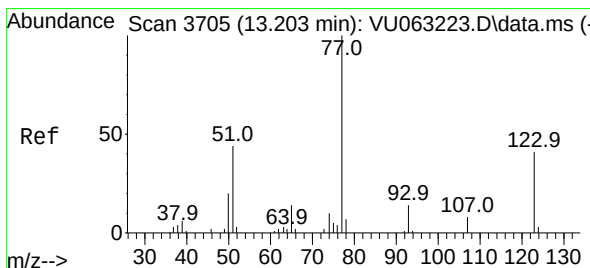
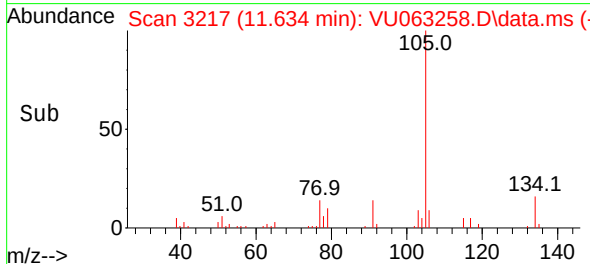
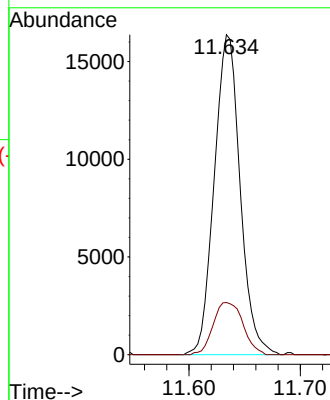
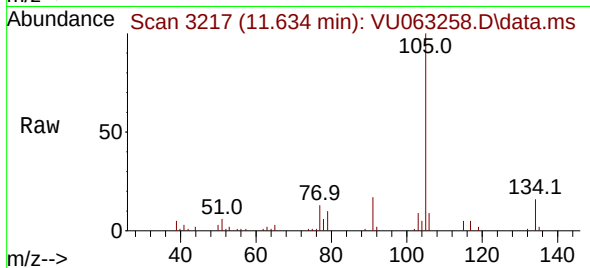
ClientSampleId :

Tgt Ion:105 Resp: 26405

Ion Ratio Lower Upper

105 100

134 18.8 15.1 22.7



#80

Nitrobenzene

Concen: 0.122 ug/l

RT: 13.232 min Scan# 3714

Delta R.T. 0.029 min

Lab File: VU063258.D

Acq: 12 Feb 2025 16:44

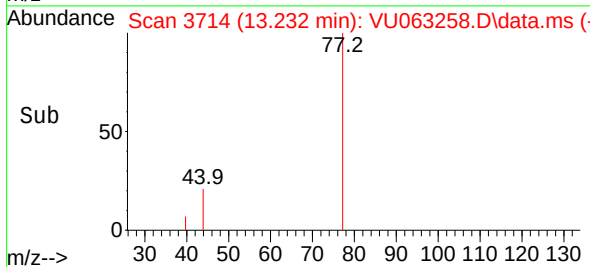
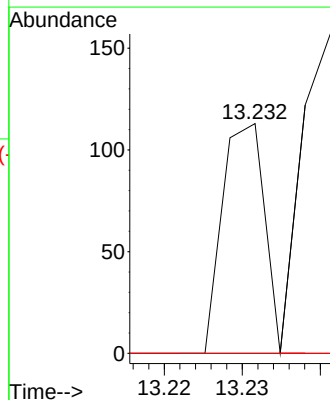
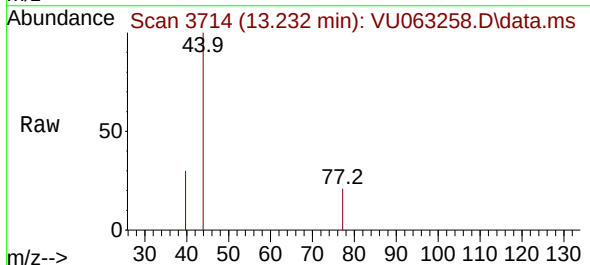
Tgt Ion: 77 Resp: 42

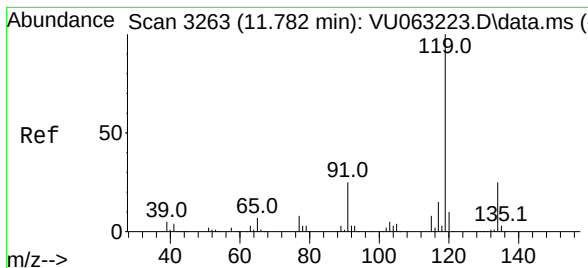
Ion Ratio Lower Upper

77 100

123 0.0 18.9 67.1#

65 0.0 11.9 15.1#





#81

p-Isopropyltoluene

Concen: 0.382 ug/l

RT: 11.785 min Scan# 3263

Delta R.T. 0.003 min

Lab File: VU063258.D

Acq: 12 Feb 2025 16:44

Instrument :

MSVOA\_U

ClientSampleId :

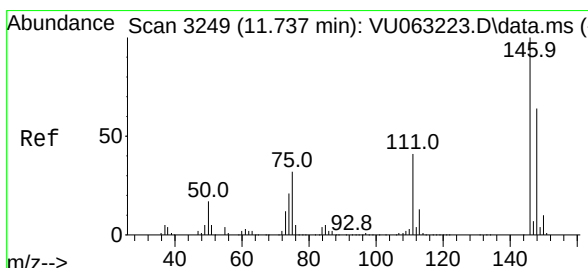
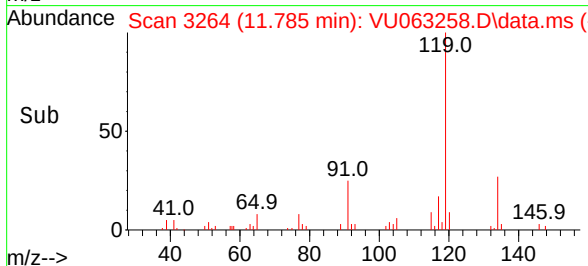
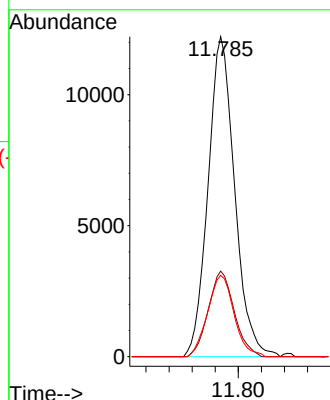
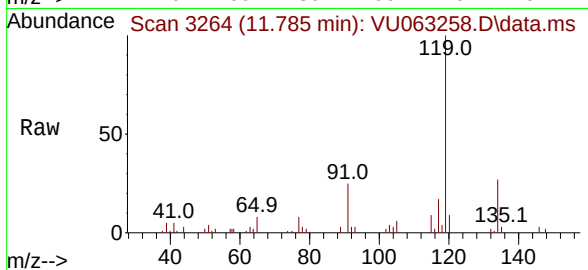
Tgt Ion:119 Resp: 19497

Ion Ratio Lower Upper

119 100

134 26.1 20.3 30.5

91 25.1 19.4 29.2



#82

1,3-Dichlorobenzene

Concen: 0.474 ug/l

RT: 11.743 min Scan# 3251

Delta R.T. 0.006 min

Lab File: VU063258.D

Acq: 12 Feb 2025 16:44

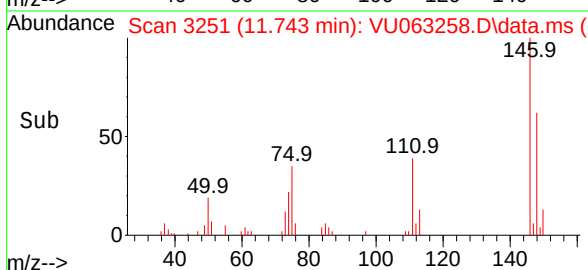
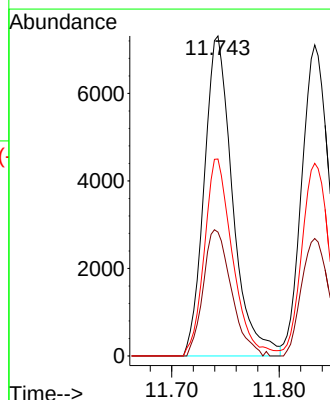
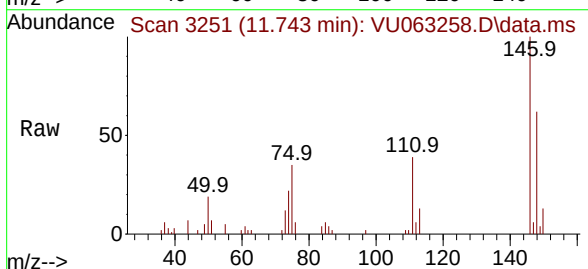
Tgt Ion:146 Resp: 13443

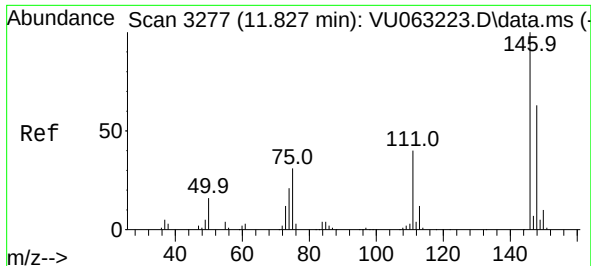
Ion Ratio Lower Upper

146 100

111 39.1 32.8 49.2

148 61.1 51.1 76.7





#83

1,4-Dichlorobenzene

Concen: 0.464 ug/l

RT: 11.833 min Scan# 3279

Delta R.T. 0.006 min

Lab File: VU063258.D

Acq: 12 Feb 2025 16:44

Instrument :

MSVOA\_U

ClientSampleId :

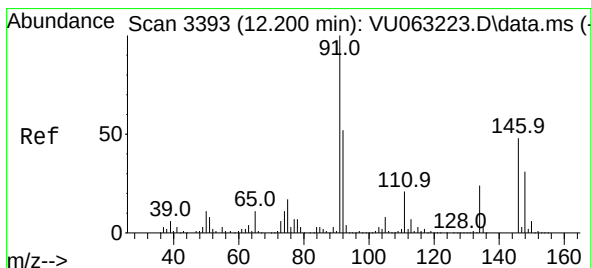
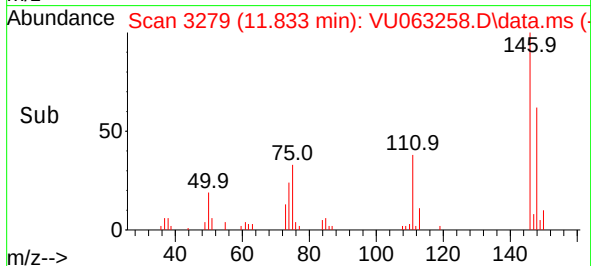
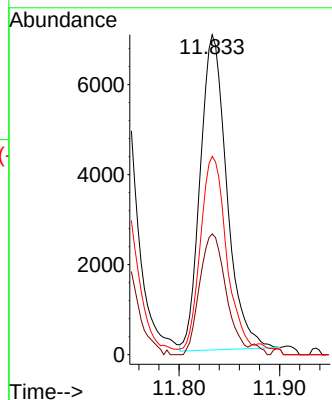
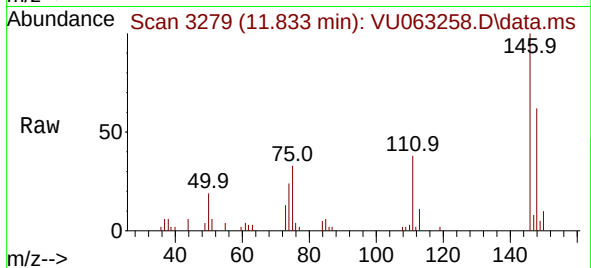
Tgt Ion:146 Resp: 12863

Ion Ratio Lower Upper

146 100

111 38.0 32.1 48.1

148 59.1 50.2 75.4



#84

n-Butylbenzene

Concen: 0.391 ug/l

RT: 12.203 min Scan# 3394

Delta R.T. 0.003 min

Lab File: VU063258.D

Acq: 12 Feb 2025 16:44

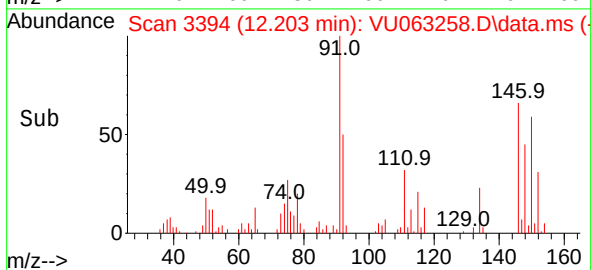
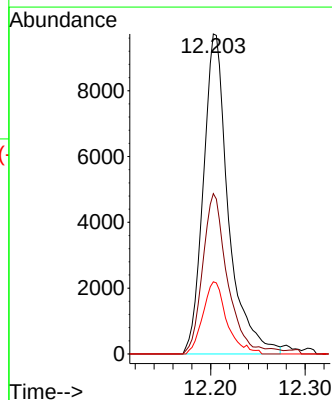
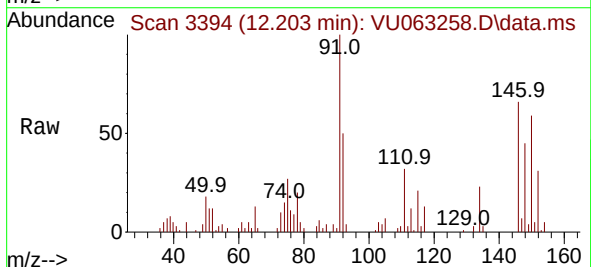
Tgt Ion: 91 Resp: 17889

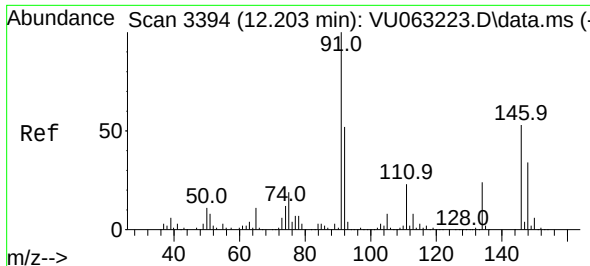
Ion Ratio Lower Upper

91 100

92 49.4 41.8 62.8

134 21.5 18.6 28.0





#85

1,2-Dichlorobenzene

Concen: 0.456 ug/l

RT: 12.206 min Scan# 3394

Delta R.T. 0.003 min

Lab File: VU063258.D

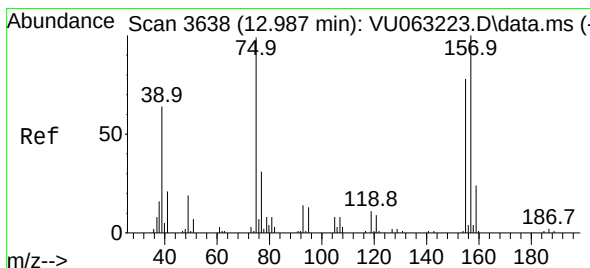
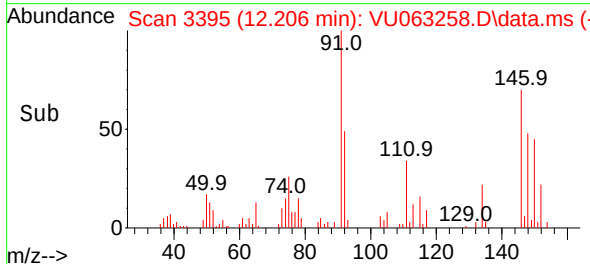
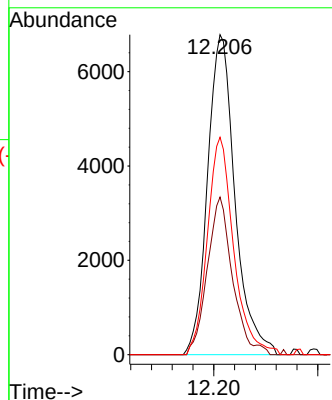
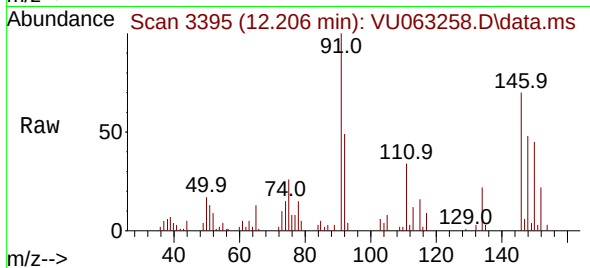
Acq: 12 Feb 2025 16:44

Instrument :

MSVOA\_U

ClientSampleId :

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 146   | Resp: | 12433 |
| Ion Ratio | Lower | Upper |       |
| 146       | 100   |       |       |
| 111       | 45.4  | 21.9  | 65.7  |
| 148       | 65.2  | 32.3  | 96.9  |



#86

1,2-Dibromo-3-Chloropropane

Concen: 0.534 ug/l

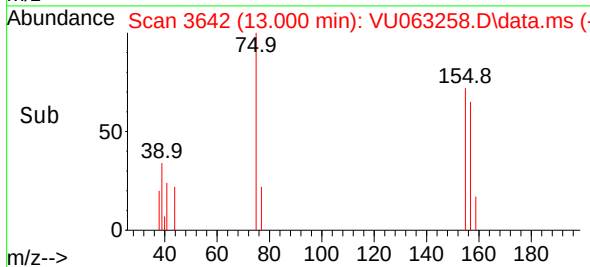
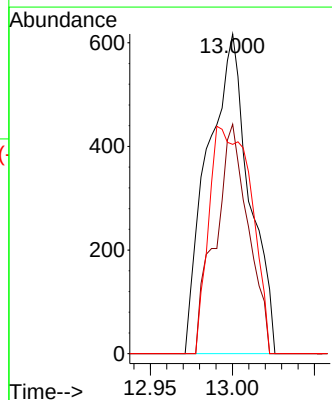
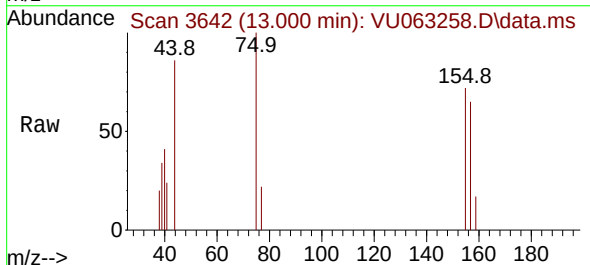
RT: 13.000 min Scan# 3642

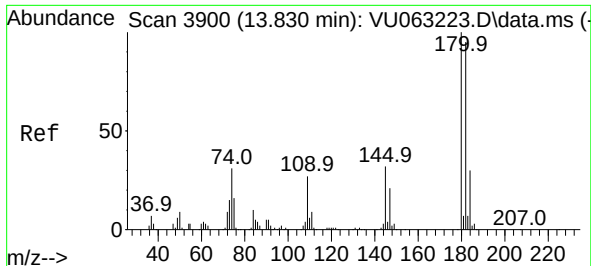
Delta R.T. 0.013 min

Lab File: VU063258.D

Acq: 12 Feb 2025 16:44

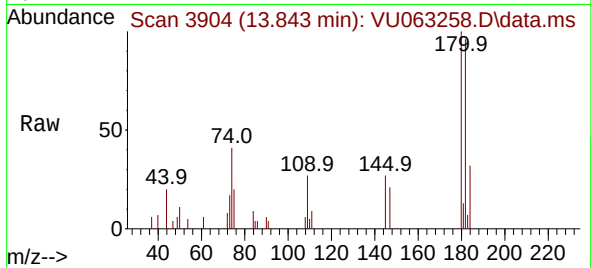
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 1088   |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 155       | 57.0  | 63.5  | 95.3#  |
| 157       | 72.0  | 81.8  | 122.6# |



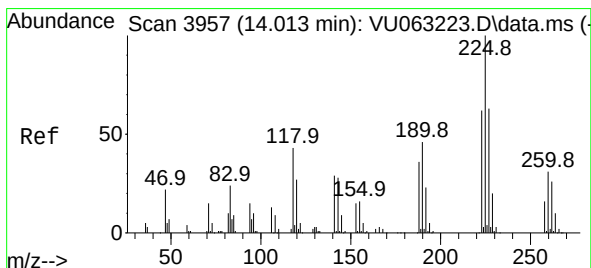
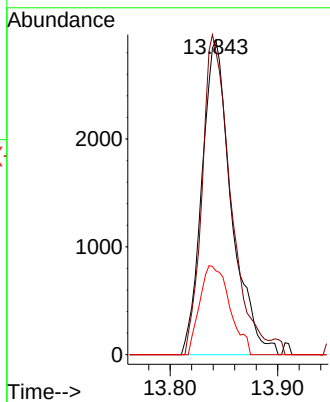
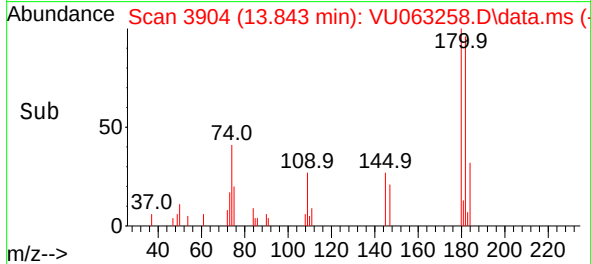


#87  
1,2,4-Trichlorobenzene  
Concen: 0.418 ug/l  
RT: 13.843 min Scan# 3904  
Delta R.T. 0.013 min  
Lab File: VU063258.D  
Acq: 12 Feb 2025 16:44

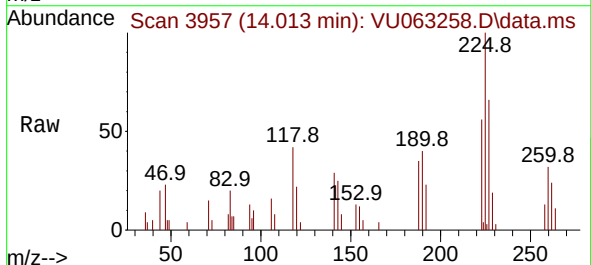
Instrument :  
MSVOA\_U  
ClientSampleId :



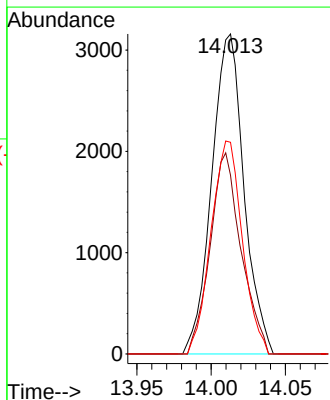
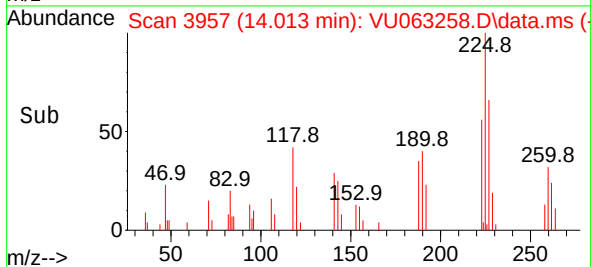
Tgt Ion:180 Resp: 5559  
Ion Ratio Lower Upper  
180 100  
182 97.8 76.6 115.0  
145 28.7 25.4 38.2

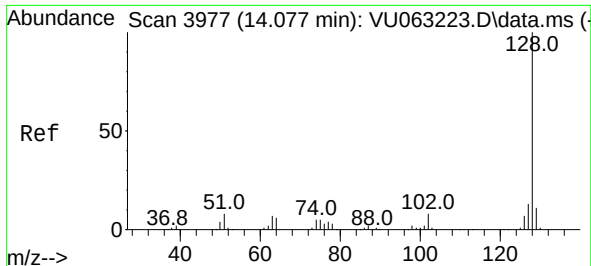


#88  
Hexachlorobutadiene  
Concen: 0.503 ug/l  
RT: 14.013 min Scan# 3957  
Delta R.T. -0.000 min  
Lab File: VU063258.D  
Acq: 12 Feb 2025 16:44



Tgt Ion:225 Resp: 4771  
Ion Ratio Lower Upper  
225 100  
223 60.4 49.5 74.3  
227 64.7 51.0 76.4





#89

Naphthalene

Concen: 0.369 ug/l

RT: 14.093 min Scan# 3982

Delta R.T. 0.016 min

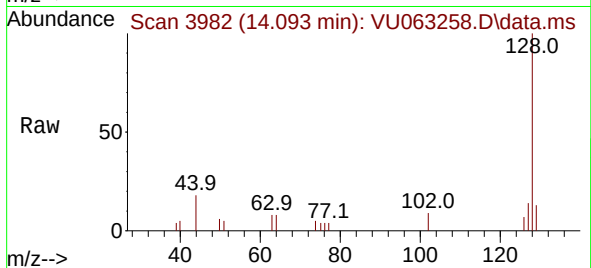
Lab File: VU063258.D

Acq: 12 Feb 2025 16:44

Instrument :

MSVOA\_U

ClientSampleId :



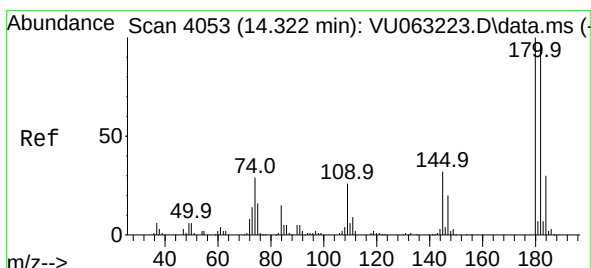
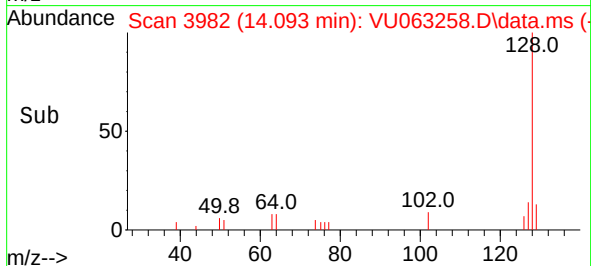
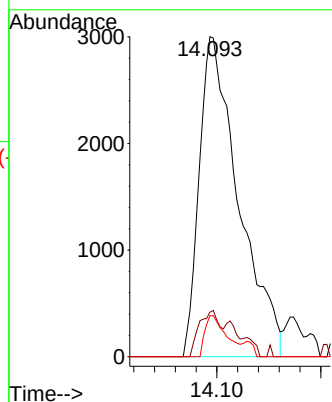
Tgt Ion:128 Resp: 7893

Ion Ratio Lower Upper

128 100

127 7.7 10.6 16.0#

129 6.9 8.6 13.0#



#90

1,2,3-Trichlorobenzene

Concen: 0.441 ug/l

RT: 14.328 min Scan# 4055

Delta R.T. 0.006 min

Lab File: VU063258.D

Acq: 12 Feb 2025 16:44

Tgt Ion:180 Resp: 5728

Ion Ratio Lower Upper

180 100

182 92.7 78.2 117.2

145 29.2 26.1 39.1

