

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU090324\  
 Data File : VU060590.D  
 Acq On : 03 Sep 2024 17:18  
 Operator : MD/SY  
 Sample : RL-0.5 PPB  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Sep 04 05:45:58 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U080524DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Tue Aug 06 11:07:28 2024  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon | Response | Conc  | Units   | Dev(Min) |
|------------------------------|--------|------|----------|-------|---------|----------|
| -----                        |        |      |          |       |         |          |
| Internal Standards           |        |      |          |       |         |          |
| 1) Fluorobenzene             | 6.113  | 96   | 27188    | 1.000 | ug/l    | # 0.00   |
| System Monitoring Compounds  |        |      |          |       |         |          |
| 57) 4-Bromofluorobenzene     | 10.630 | 95   | 8810     | 0.951 | ug/l    | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =     | 95.000% |          |
| 68) 1,2-Dichlorobenzene-d4   | 12.190 | 152  | 9585     | 0.952 | ug/l    | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =     | 95.000% |          |
| Target Compounds             |        |      |          |       |         |          |
|                              |        |      |          |       |         | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.383  | 85   | 5543     | 0.530 | ug/l    | 100      |
| 3) Chloromethane             | 1.515  | 50   | 6636     | 0.555 | ug/l    | 96       |
| 4) Vinyl Chloride            | 1.599  | 62   | 6199     | 0.519 | ug/l    | 98       |
| 5) Bromomethane              | 1.853  | 94   | 4095     | 0.558 | ug/l    | 98       |
| 6) Chloroethane              | 1.933  | 64   | 3557     | 0.492 | ug/l    | 97       |
| 7) Trichlorofluoromethane    | 2.132  | 101  | 8312     | 0.576 | ug/l    | 98       |
| 8) 1,1,2-Trichloro-1,2,2-... | 2.579  | 101  | 3749     | 0.478 | ug/l    | 98       |
| 9) 1,1-Dichloroethene        | 2.573  | 96   | 3691     | 0.454 | ug/l    | 98       |
| 10) Iodomethane              | 2.714  | 142  | 3873     | 0.321 | ug/l    | 88       |
| 11) Allyl Chloride           | 2.920  | 41   | 5196     | 0.466 | ug/l    | 96       |
| 12) Acrylonitrile            | 3.357  | 53   | 748      | 0.352 | ug/l    | # 66     |
| 13) Acetone                  | 2.647  | 43   | 1783     | 0.691 | ug/l    | # 77     |
| 14) Carbon Disulfide         | 2.788  | 76   | 12051    | 0.437 | ug/l    | 99       |
| 15) Methylene Chloride       | 3.039  | 84   | 7449     | 0.732 | ug/l    | 96       |
| 16) trans-1,2-Dichloroethene | 3.351  | 96   | 3910     | 0.449 | ug/l    | 89       |
| 17) 1,1-Dichloroethane       | 3.865  | 63   | 8370     | 0.500 | ug/l    | 97       |
| 18) 2-Butanone               | 4.763  | 43   | 2603     | 0.874 | ug/l    | 75       |
| 19) Cyclohexane              | 5.380  | 56   | 5215     | 0.361 | ug/l    | 99       |
| 20) Methylcyclohexane        | 6.756  | 83   | 4463     | 0.390 | ug/l    | 92       |
| 21) 2,2-Dichloropropane      | 4.653  | 77   | 6356     | 0.487 | ug/l    | # 74     |
| 22) cis-1,2-Dichloroethene   | 4.669  | 96   | 3924     | 0.421 | ug/l    | 90       |
| 23) Diethyl Ether            | 2.374  | 59   | 2915     | 0.441 | ug/l    | # 83     |
| 24) tert-Butyl Alcohol       | 3.232  | 59   | 628      | 0.761 | ug/l    | # 83     |
| 25) Methyl tert-Butyl Ether  | 3.364  | 73   | 7998     | 0.401 | ug/l    | # 84     |
| 26) Bromochloromethane       | 4.971  | 128  | 2090     | 0.529 | ug/l    | 97       |
| 27) Chloroform               | 5.081  | 83   | 9339     | 0.570 | ug/l    | 94       |
| 28) 1,1,1-Trichloroethane    | 5.309  | 97   | 6956     | 0.511 | ug/l    | 96       |
| 29) 1,1-Dichloropropene      | 5.525  | 75   | 5016     | 0.460 | ug/l    | 97       |
| 30) Carbon Tetrachloride     | 5.518  | 117  | 6684     | 0.603 | ug/l    | 95       |
| 31) Isopropyl Ether          | 3.984  | 45   | 9458     | 0.386 | ug/l    | 90       |
| 32) Ethyl-t-butyl ether      | 4.492  | 59   | 8052     | 0.340 | ug/l    | 96       |
| 33) Tert-Amyl methyl ether   | 5.933  | 73   | 7768     | 0.463 | ug/l    | # 95     |
| 34) Propionitrile            | 4.836  | 54   | 354      | 0.416 | ug/l    | # 43     |
| 35) Benzene                  | 5.769  | 78   | 16229    | 0.483 | ug/l    | 99       |
| 36) 1,2-Dichloroethane       | 5.795  | 62   | 5059     | 0.542 | ug/l    | # 82     |
| 37) Trichloroethene          | 6.544  | 130  | 4362     | 0.524 | ug/l    | 92       |
| 38) 1,2-Dichloropropane      | 6.785  | 63   | 4661     | 0.513 | ug/l    | # 83     |
| 41) Tetrahydrofuran          | 5.081  | 42   | 570      | 0.340 | ug/l    | # 77     |
| 42) 1-Chlorobutane           | 5.454  | 56   | 6681     | 0.444 | ug/l    | 91       |
| 43) Dibromomethane           | 6.926  | 93   | 2015     | 0.438 | ug/l    | 83       |
| 44) Bromodichloromethane     | 7.100  | 83   | 6403     | 0.580 | ug/l    | 89       |
| 45) 4-Methyl-2-Pentanone     | 7.791  | 43   | 8854     | 2.050 | ug/l    | 94       |
| 46) t-1,4-Dichloro-2-butene  | 10.817 | 75   | 4688     | 1.937 | ug/l    | # 50     |

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 Sample : RL-0.5 PPB  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 10 Sample Multiplier: 1

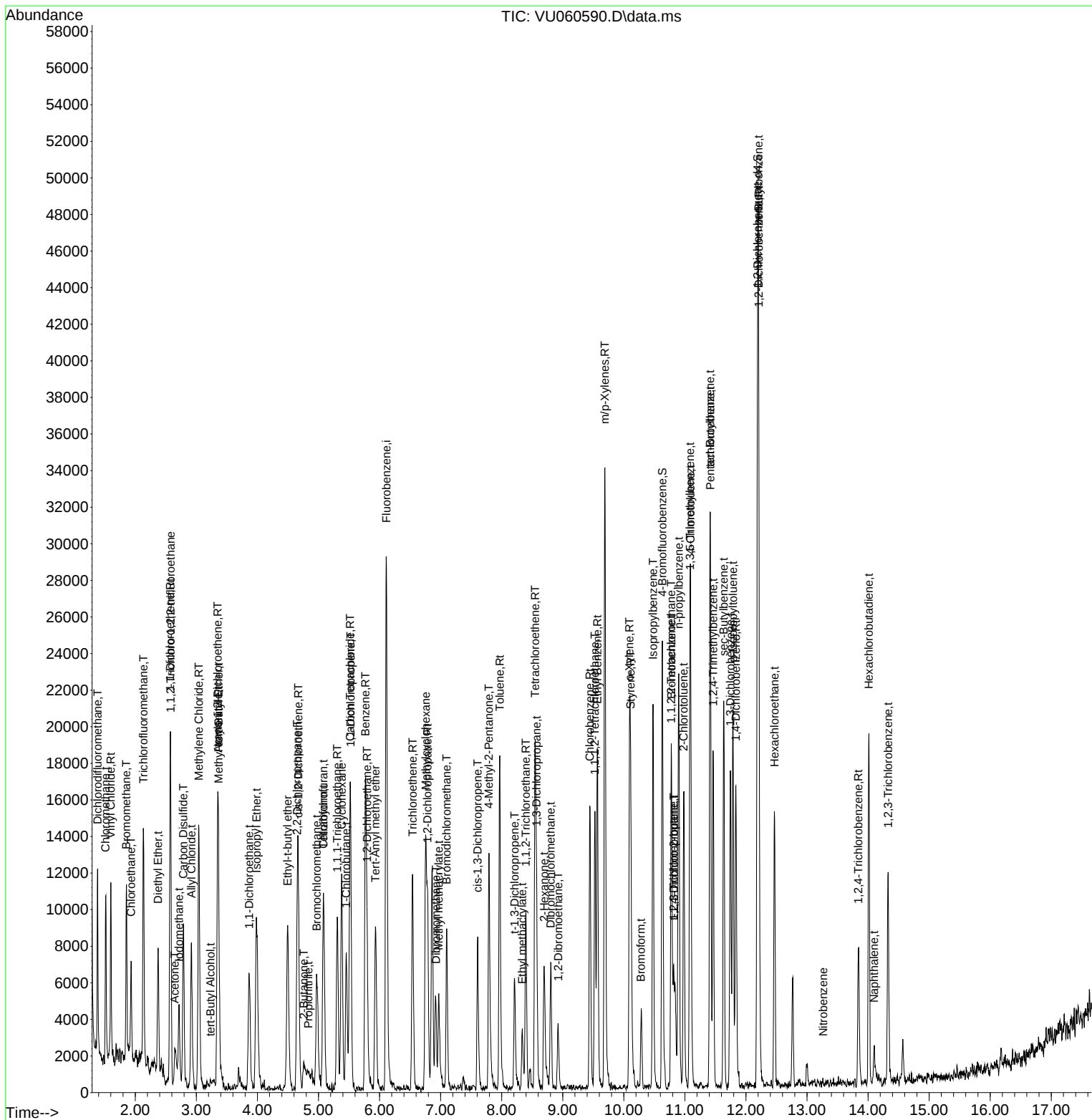
Instrument :  
 MSVOA\_U  
 ClientSampleId :

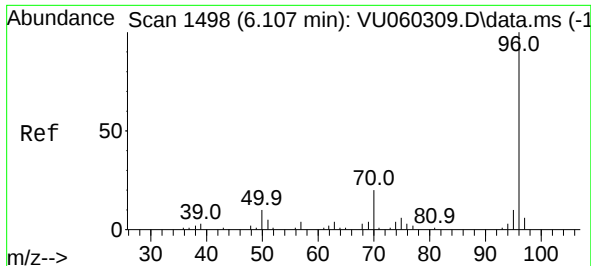
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U080524DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Tue Aug 06 11:07:28 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 47) Methyl methacrylate       | 6.968  | 69   | 2654     | 0.711 | ug/l   | 91       |
| 48) Ethyl methacrylate        | 8.338  | 69   | 2336     | 0.369 | ug/l   | 83       |
| 49) Toluene                   | 7.968  | 92   | 7670     | 0.412 | ug/l   | 80       |
| 50) t-1,3-Dichloropropene     | 8.209  | 75   | 4201     | 0.461 | ug/l   | 93       |
| 51) cis-1,3-Dichloropropene   | 7.608  | 75   | 5569     | 0.508 | ug/l   | 96       |
| 52) 1,1,2-Trichloroethane     | 8.396  | 97   | 3076     | 0.456 | ug/l   | 96       |
| 53) 1,3-Dichloropropane       | 8.573  | 76   | 5223     | 0.485 | ug/l   | 94       |
| 54) 2-Hexanone                | 8.695  | 43   | 6164     | 1.842 | ug/l   | 88       |
| 55) Dibromochloromethane      | 8.801  | 129  | 3933     | 0.531 | ug/l   | 94       |
| 56) 1,2-Dibromoethane         | 8.926  | 107  | 2831     | 0.468 | ug/l   | 97       |
| 58) Tetrachloroethene         | 8.547  | 164  | 4034     | 0.543 | ug/l   | 94       |
| 59) Chlorobenzene             | 9.444  | 112  | 9207     | 0.456 | ug/l   | 97       |
| 60) 1,1,1,2-Tetrachloroethane | 9.524  | 131  | 4317     | 0.543 | ug/l   | 94       |
| 61) Pentachloroethane         | 11.418 | 117  | 3180     | 0.468 | ug/l   | 93       |
| 62) Hexachloroethane          | 12.466 | 117  | 2906     | 0.443 | ug/l   | 97       |
| 63) Ethyl Benzene             | 9.566  | 91   | 14023    | 0.841 | ug/l   | 100      |
| 64) m/p-Xylenes               | 9.688  | 106  | 10248    | 1.525 | ug/l   | 98       |
| 65) o-Xylene                  | 10.093 | 106  | 5314     | 0.788 | ug/l   | 98       |
| 66) Styrene                   | 10.113 | 104  | 7477     | 0.752 | ug/l   | 92       |
| 67) Bromoform                 | 10.280 | 173  | 1077     | 0.248 | ug/l # | 41       |
| 69) Isopropylbenzene          | 10.479 | 105  | 13334    | 0.809 | ug/l   | 96       |
| 70) 1,1,2,2-Tetrachloroethane | 10.775 | 83   | 3990     | 0.444 | ug/l   | 97       |
| 71) 1,2,3-Trichloropropane    | 10.817 | 75   | 4688     | 0.705 | ug/l # | 56       |
| 72) Bromobenzene              | 10.778 | 156  | 3753     | 0.453 | ug/l   | 82       |
| 73) n-propylbenzene           | 10.901 | 120  | 3501     | 0.793 | ug/l   | 94       |
| 74) 2-Chlorotoluene           | 10.981 | 126  | 3421     | 0.659 | ug/l   | 94       |
| 75) 1,3,5-Trimethylbenzene    | 11.084 | 105  | 10633    | 0.756 | ug/l   | 99       |
| 76) 4-Chlorotoluene           | 11.093 | 126  | 3325     | 0.654 | ug/l   | 97       |
| 77) tert-Butylbenzene         | 11.415 | 119  | 11736    | 0.795 | ug/l   | 98       |
| 78) 1,2,4-Trimethylbenzene    | 11.463 | 105  | 10019    | 0.766 | ug/l   | 98       |
| 79) sec-Butylbenzene          | 11.637 | 105  | 14265    | 0.762 | ug/l   | 99       |
| 80) Nitrobenzene              | 13.264 | 77   | 84       | 0.213 | ug/l # | 39       |
| 81) p-Isopropyltoluene        | 11.788 | 119  | 11402    | 0.816 | ug/l   | 97       |
| 82) 1,3-Dichlorobenzene       | 11.746 | 146  | 8339     | 0.482 | ug/l   | 94       |
| 83) 1,4-Dichlorobenzene       | 11.836 | 146  | 7685     | 0.448 | ug/l   | 98       |
| 84) n-Butylbenzene            | 12.206 | 91   | 11289    | 0.814 | ug/l   | 95       |
| 85) 1,2-Dichlorobenzene       | 12.209 | 146  | 7418     | 0.444 | ug/l   | 97       |
| 87) 1,2,4-Trichlorobenzene    | 13.843 | 180  | 3366     | 0.352 | ug/l   | 94       |
| 88) Hexachlorobutadiene       | 14.013 | 225  | 3697     | 0.598 | ug/l   | 97       |
| 89) Naphthalene               | 14.100 | 128  | 3467     | 0.205 | ug/l # | 83       |
| 90) 1,2,3-Trichlorobenzene    | 14.328 | 180  | 4630     | 0.496 | ug/l   | 98       |

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U080524DW.M  
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QLast Update : Tue Aug 06 11:07:28 2024  
Response via : Initial Calibration

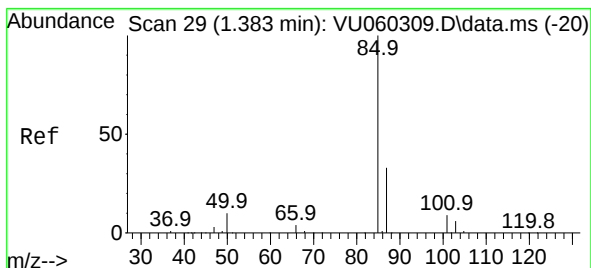
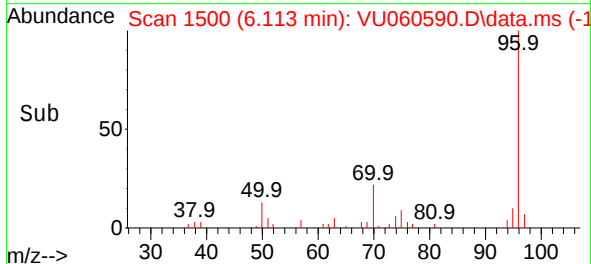
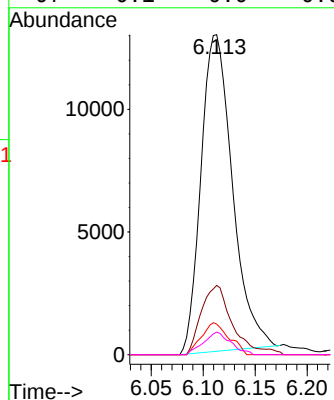
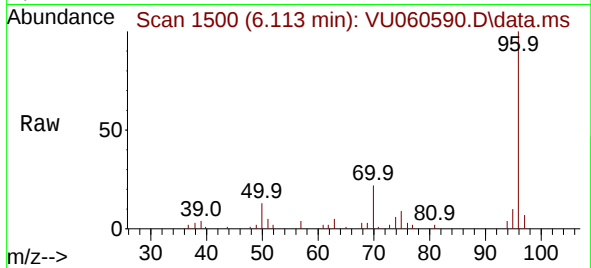




#1  
Fluorobenzene  
Concen: 1.000 ug/l  
RT: 6.113 min Scan# 1498  
Delta R.T. 0.006 min  
Lab File: VU060590.D  
Acq: 03 Sep 2024 17:18

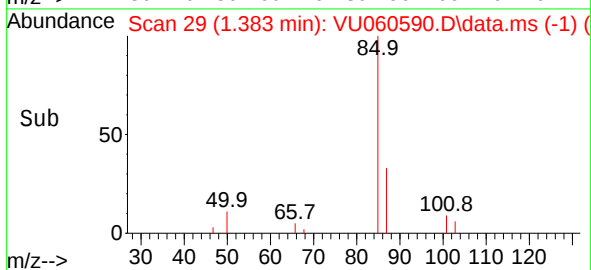
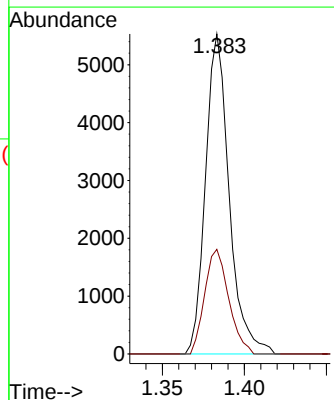
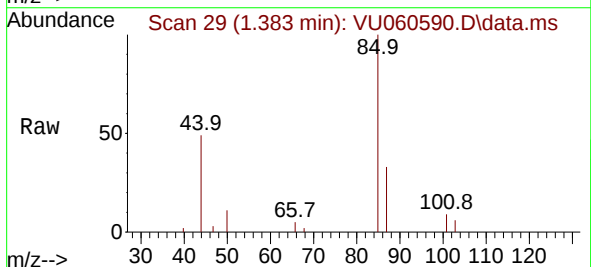
Instrument :  
MSVOA\_U  
ClientSampleId :

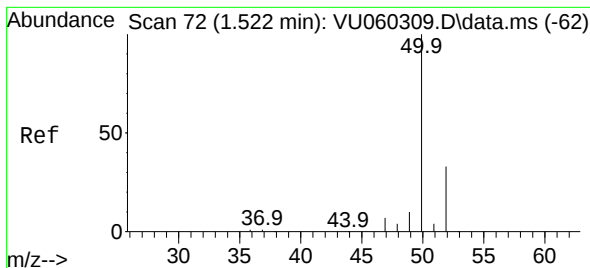
|             |                |
|-------------|----------------|
| Tgt Ion: 96 | Resp: 27188    |
| Ion Ratio   | Lower Upper    |
| 96          | 100            |
| 70          | 21.6 17.2 25.8 |
| 95          | 8.7 7.9 11.9   |
| 97          | 6.1 0.0 0.0    |



#2  
Dichlorodifluoromethane  
Concen: 0.530 ug/l  
RT: 1.383 min Scan# 29  
Delta R.T. -0.000 min  
Lab File: VU060590.D  
Acq: 03 Sep 2024 17:18

|             |                |
|-------------|----------------|
| Tgt Ion: 85 | Resp: 5543     |
| Ion Ratio   | Lower Upper    |
| 85          | 100            |
| 87          | 32.7 16.3 48.9 |





#3

Chloromethane

Concen: 0.555 ug/l

RT: 1.515 min Scan# 70

Delta R.T. -0.007 min

Lab File: VU060590.D

Acq: 03 Sep 2024 17:18

Instrument :

MSVOA\_U

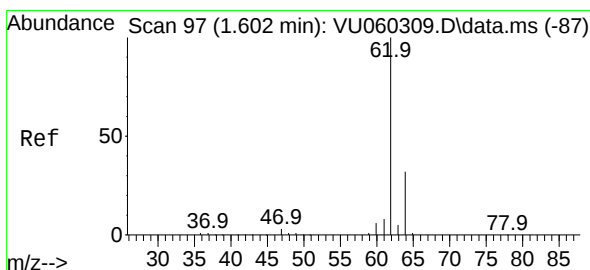
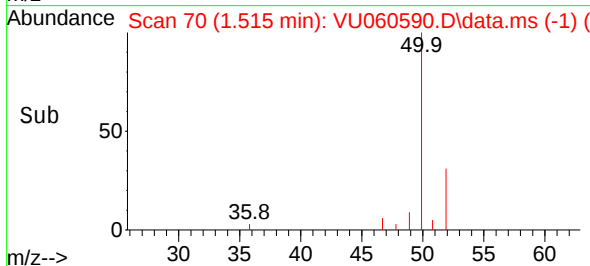
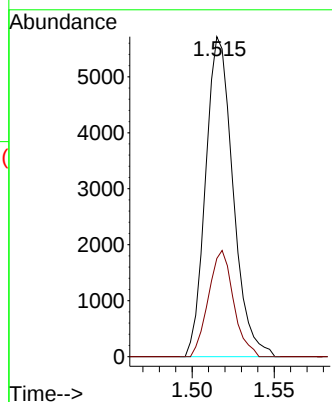
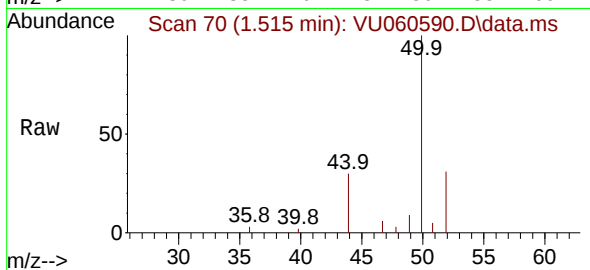
ClientSampleId :

Tgt Ion: 50 Resp: 6636

Ion Ratio Lower Upper

50 100

52 30.7 26.5 39.7



#4

Vinyl Chloride

Concen: 0.519 ug/l

RT: 1.599 min Scan# 96

Delta R.T. -0.003 min

Lab File: VU060590.D

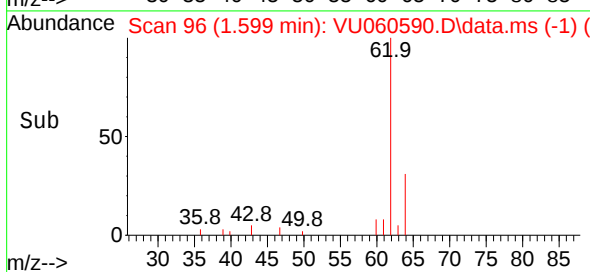
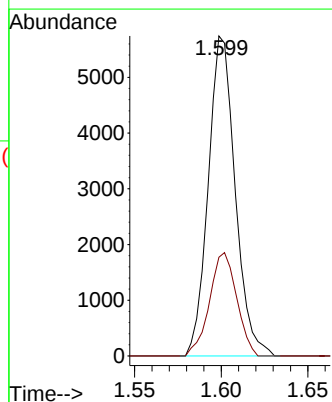
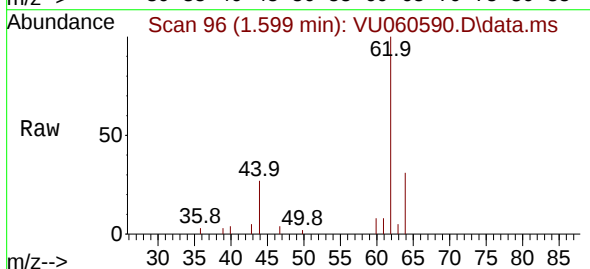
Acq: 03 Sep 2024 17:18

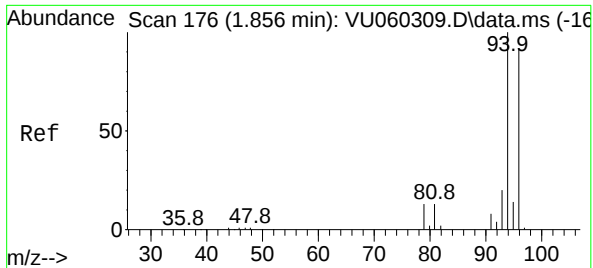
Tgt Ion: 62 Resp: 6199

Ion Ratio Lower Upper

62 100

64 30.9 25.8 38.6

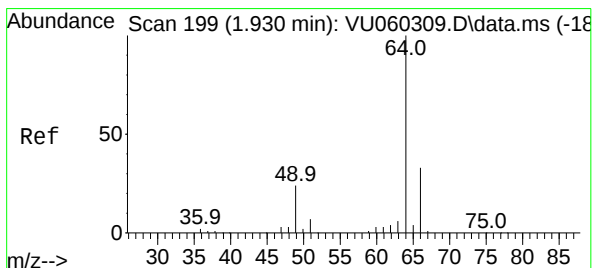
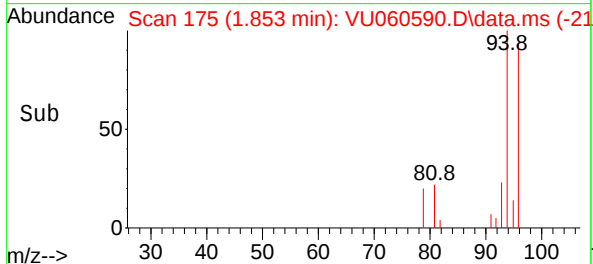
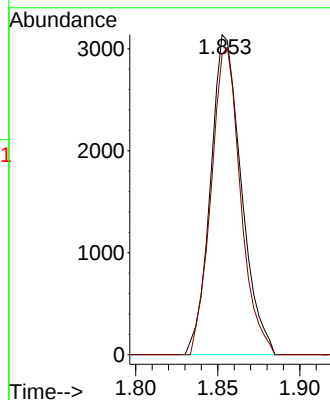
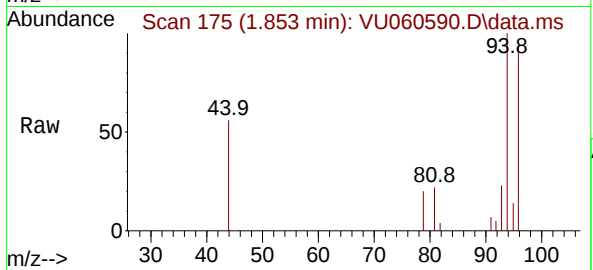




#5  
Bromomethane  
Concen: 0.558 ug/l  
RT: 1.853 min Scan# 1  
Delta R.T. -0.003 min  
Lab File: VU060590.D  
Acq: 03 Sep 2024 17:18

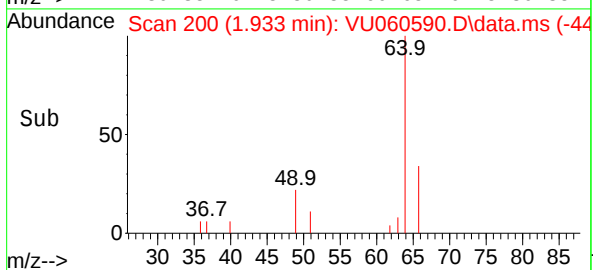
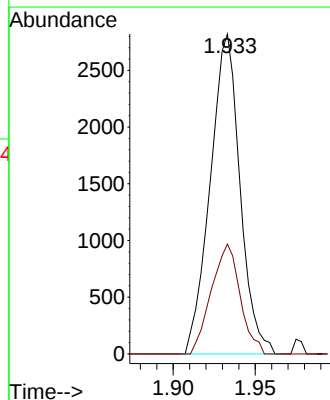
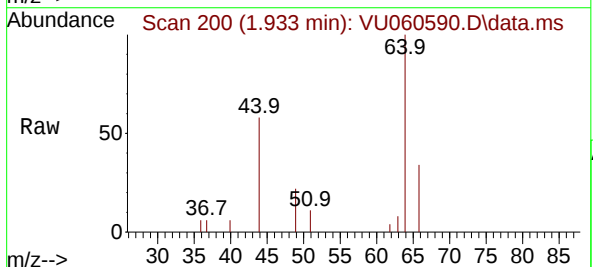
Instrument :  
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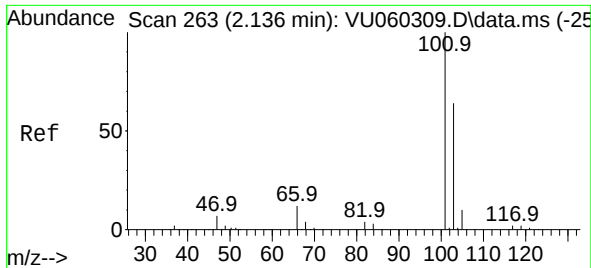
Tgt Ion: 94 Resp: 4095  
Ion Ratio Lower Upper  
94 100  
96 93.9 73.8 110.8



#6  
Chloroethane  
Concen: 0.492 ug/l  
RT: 1.933 min Scan# 200  
Delta R.T. 0.003 min  
Lab File: VU060590.D  
Acq: 03 Sep 2024 17:18

Tgt Ion: 64 Resp: 3557  
Ion Ratio Lower Upper  
64 100  
66 34.3 26.3 39.5

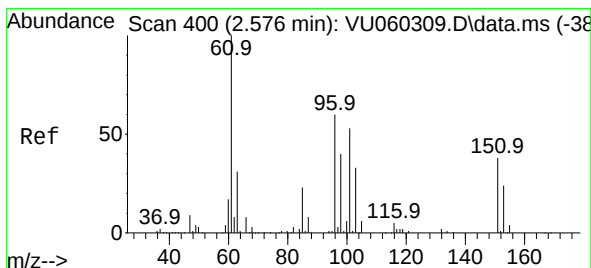
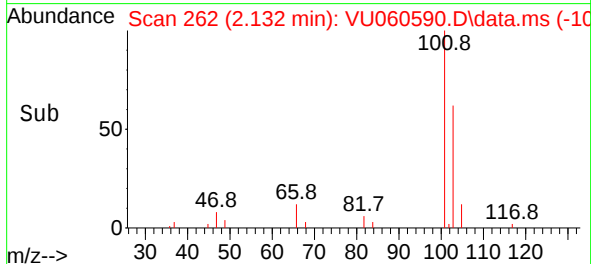
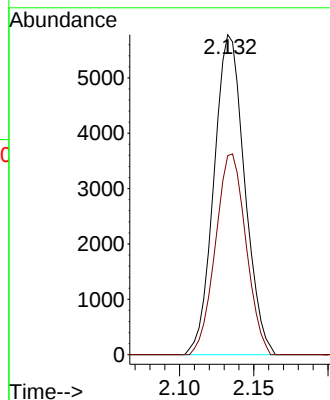
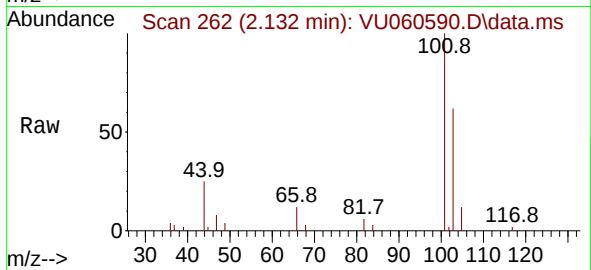




#7  
Trichlorofluoromethane  
Concen: 0.576 ug/l  
RT: 2.132 min Scan# 210  
Delta R.T. -0.003 min  
Lab File: VU060590.D  
Acq: 03 Sep 2024 17:18

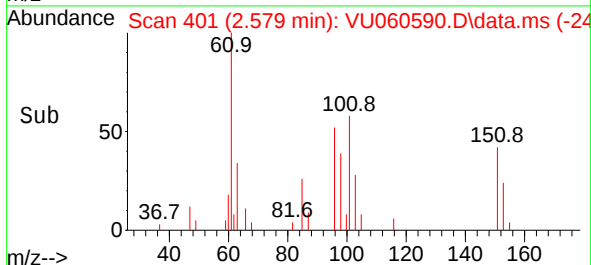
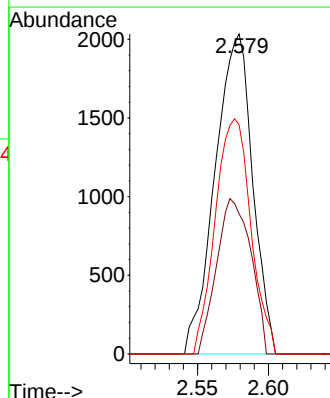
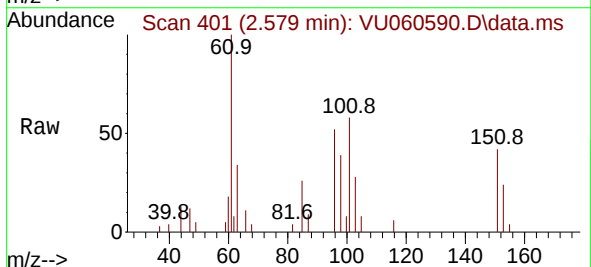
Instrument :  
MSVOA\_U  
ClientSampleId :

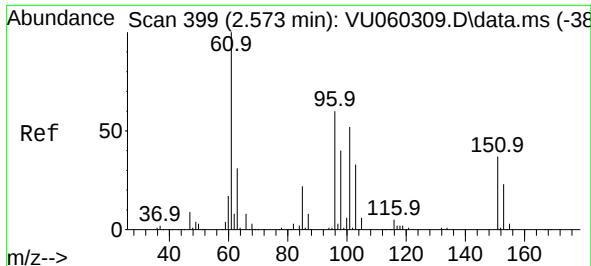
Tgt Ion:101 Resp: 8312  
Ion Ratio Lower Upper  
101 100  
103 62.2 51.0 76.4



#8  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 0.478 ug/l  
RT: 2.579 min Scan# 401  
Delta R.T. 0.003 min  
Lab File: VU060590.D  
Acq: 03 Sep 2024 17:18

Tgt Ion:101 Resp: 3749  
Ion Ratio Lower Upper  
101 100  
85 44.4 34.9 52.3  
151 69.8 57.2 85.8

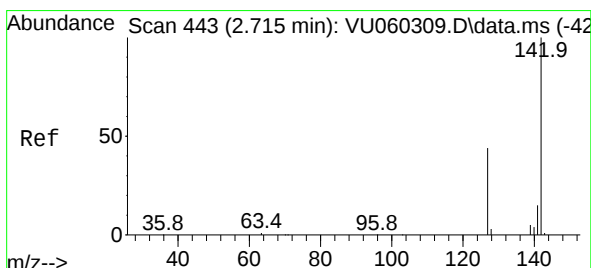
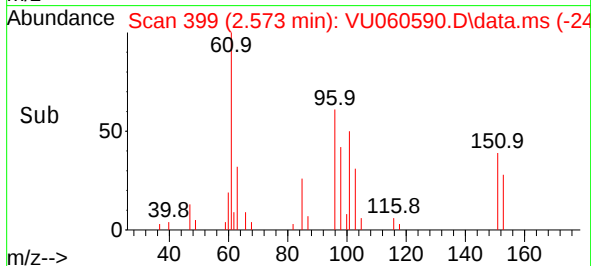
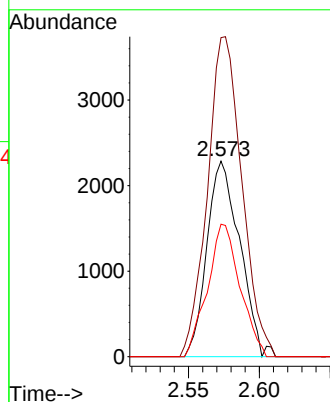
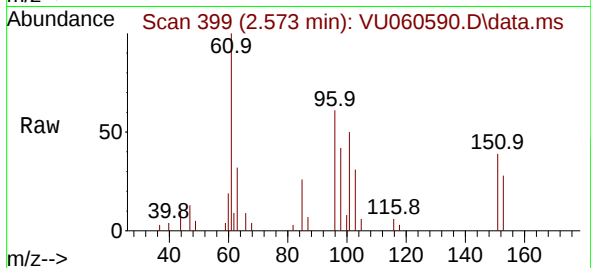




#9  
1,1-Dichloroethene  
Concen: 0.454 ug/l  
RT: 2.573 min Scan# 399  
Delta R.T. -0.000 min  
Lab File: VU060590.D  
Acq: 03 Sep 2024 17:18

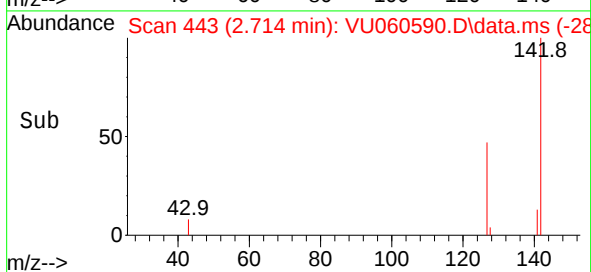
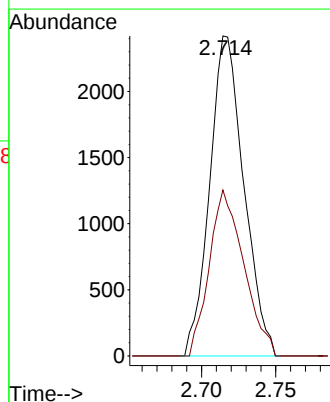
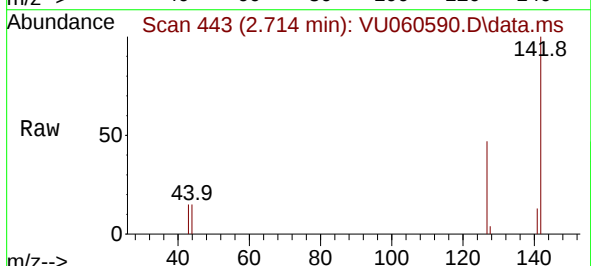
Instrument :  
MSVOA\_U  
ClientSampleId :

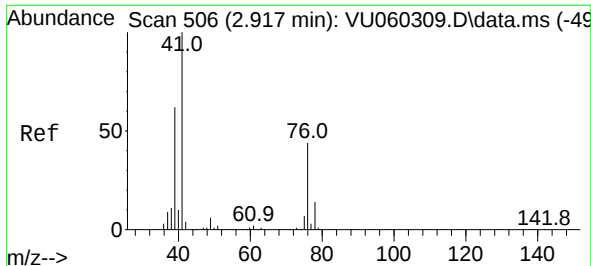
|             |                 |
|-------------|-----------------|
| Tgt Ion: 96 | Resp: 3691      |
| Ion Ratio   | Lower Upper     |
| 96          | 100             |
| 61          | 163.2 0.0 495.9 |
| 98          | 67.8 0.0 131.6  |



#10  
Iodomethane  
Concen: 0.321 ug/l  
RT: 2.714 min Scan# 443  
Delta R.T. -0.001 min  
Lab File: VU060590.D  
Acq: 03 Sep 2024 17:18

|              |                |
|--------------|----------------|
| Tgt Ion: 142 | Resp: 3873     |
| Ion Ratio    | Lower Upper    |
| 142          | 100            |
| 127          | 52.4 35.5 53.3 |





#11

Allyl Chloride

Concen: 0.466 ug/l

RT: 2.920 min Scan# 506

Delta R.T. 0.003 min

Lab File: VU060590.D

Acq: 03 Sep 2024 17:18

Instrument :

MSVOA\_U

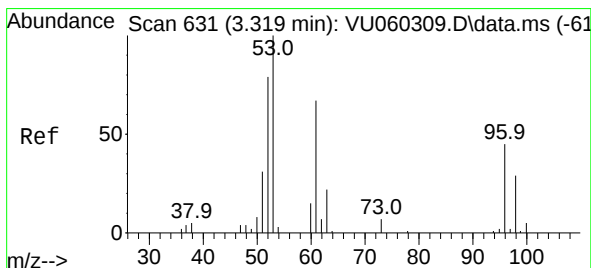
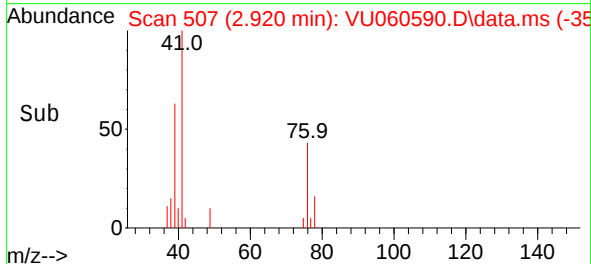
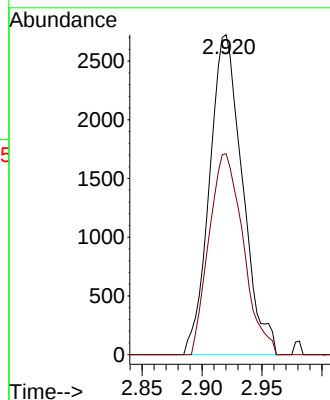
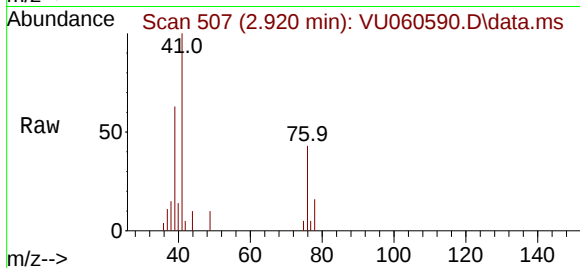
ClientSampleId :

Tgt Ion: 41 Resp: 5196

Ion Ratio Lower Upper

41 100

39 65.3 50.0 75.0



#12

Acrylonitrile

Concen: 0.352 ug/l

RT: 3.357 min Scan# 643

Delta R.T. 0.038 min

Lab File: VU060590.D

Acq: 03 Sep 2024 17:18

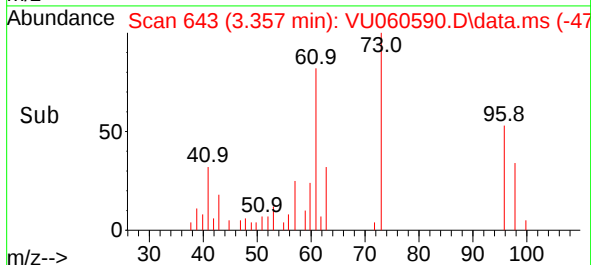
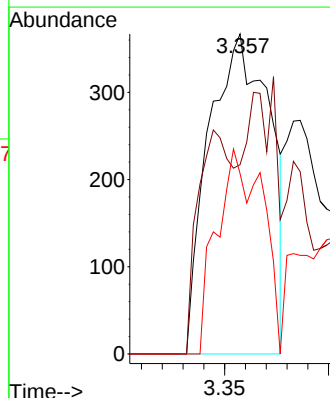
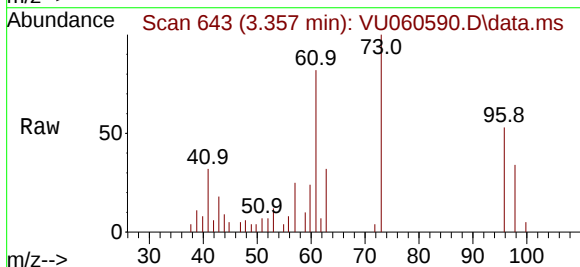
Tgt Ion: 53 Resp: 748

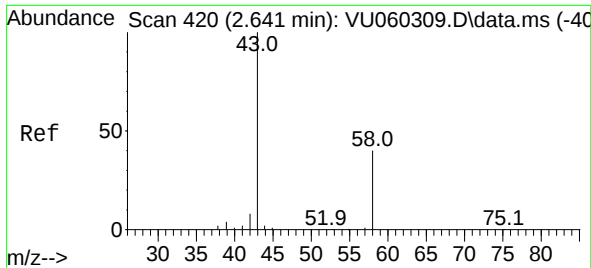
Ion Ratio Lower Upper

53 100

52 39.0 63.7 95.5#

51 31.0 28.2 42.4





#13

Acetone

Concen: 0.691 ug/l

RT: 2.647 min Scan# 41

Delta R.T. 0.006 min

Lab File: VU060590.D

Acq: 03 Sep 2024 17:18

Instrument :

MSVOA\_U

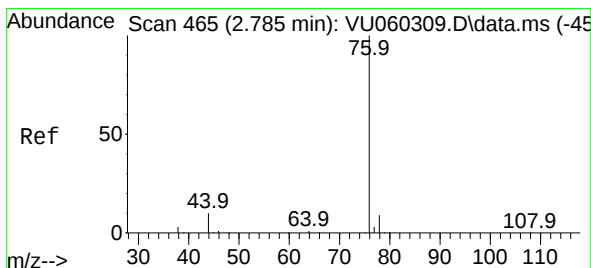
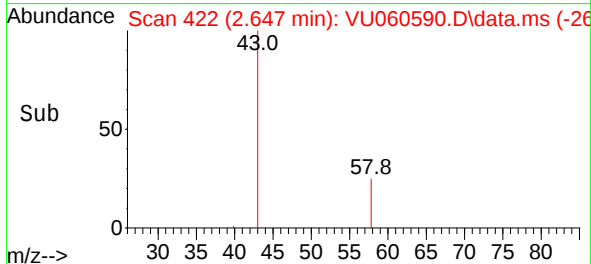
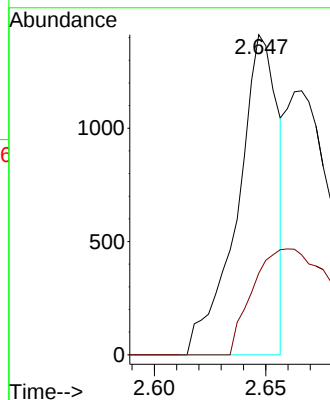
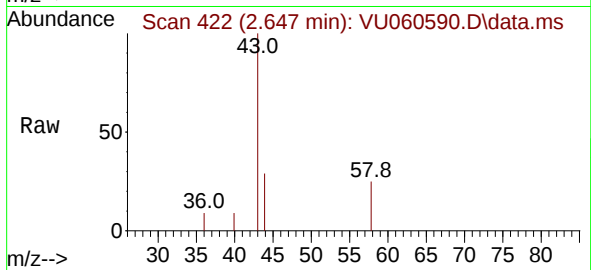
ClientSampleId :

Tgt Ion: 43 Resp: 1783

Ion Ratio Lower Upper

43 100

58 25.5 31.8 47.8#



#14

Carbon Disulfide

Concen: 0.437 ug/l

RT: 2.788 min Scan# 466

Delta R.T. 0.003 min

Lab File: VU060590.D

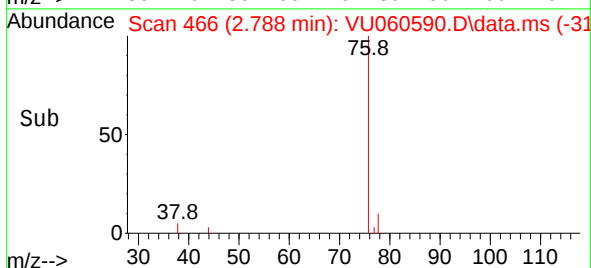
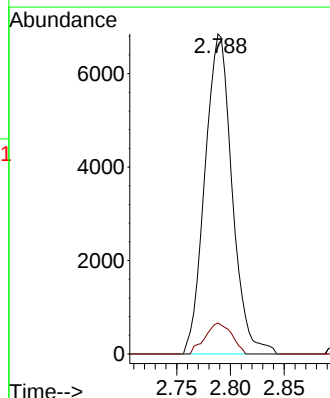
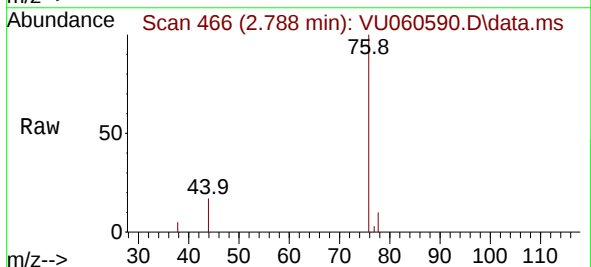
Acq: 03 Sep 2024 17:18

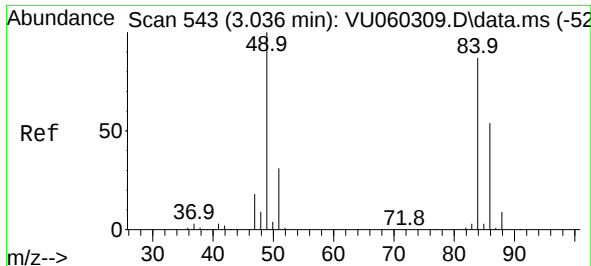
Tgt Ion: 76 Resp: 12051

Ion Ratio Lower Upper

76 100

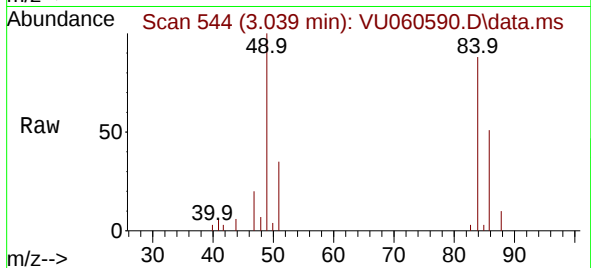
78 9.7 7.4 11.0



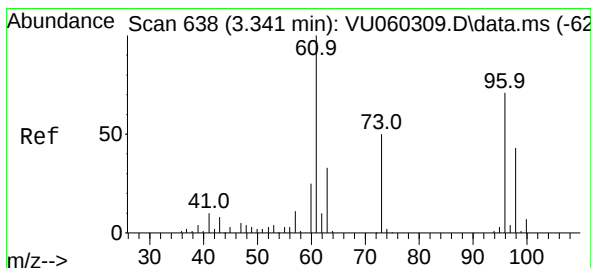
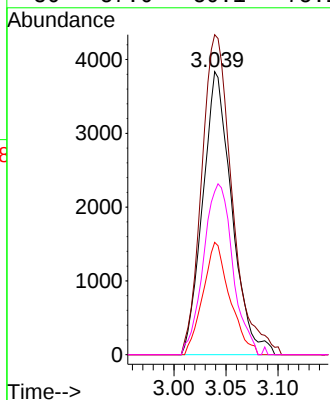
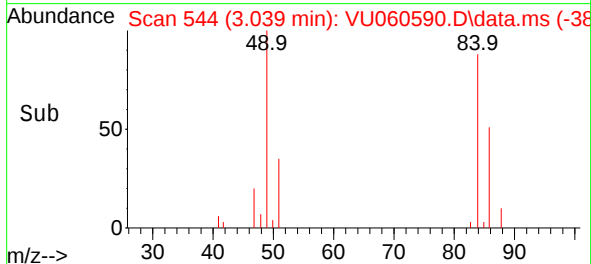


#15  
Methylene Chloride  
Concen: 0.732 ug/l  
RT: 3.039 min Scan# 543  
Delta R.T. 0.003 min  
Lab File: VU060590.D  
Acq: 03 Sep 2024 17:18

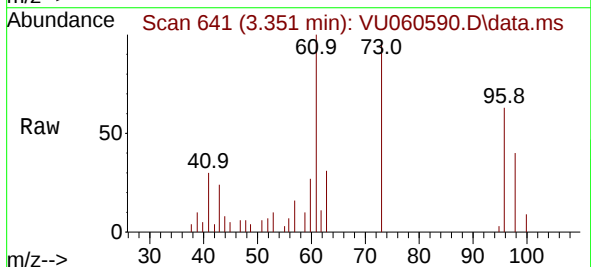
Instrument :  
MSVOA\_U  
ClientSampleId :



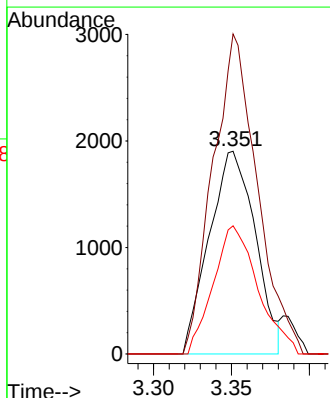
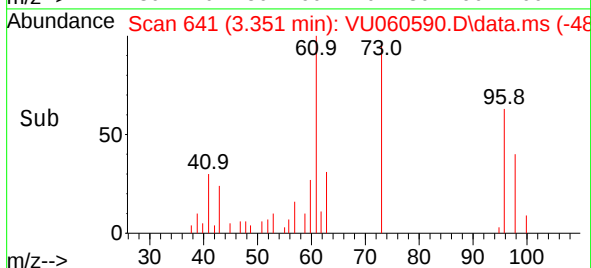
Tgt Ion: 84 Resp: 7449  
Ion Ratio Lower Upper  
84 100  
49 113.1 92.1 138.1  
51 39.7 0.0 72.4  
86 57.6 50.1 75.1

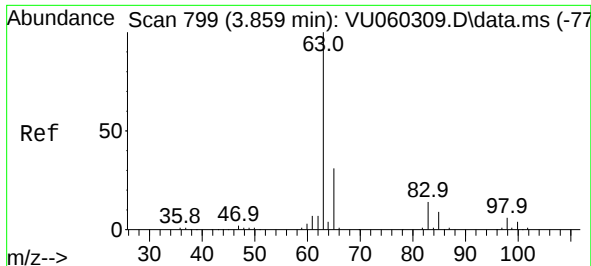


#16  
trans-1,2-Dichloroethene  
Concen: 0.449 ug/l  
RT: 3.351 min Scan# 641  
Delta R.T. 0.010 min  
Lab File: VU060590.D  
Acq: 03 Sep 2024 17:18



Tgt Ion: 96 Resp: 3910  
Ion Ratio Lower Upper  
96 100  
61 157.8 112.8 169.2  
98 63.2 48.7 73.1

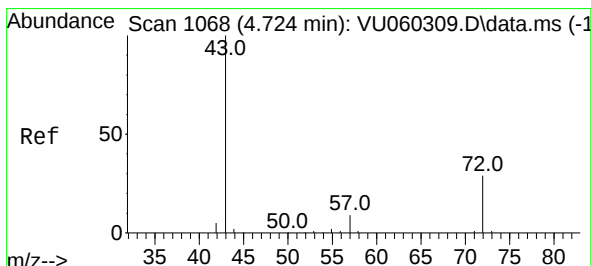
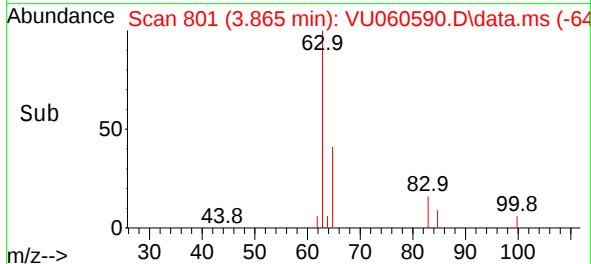
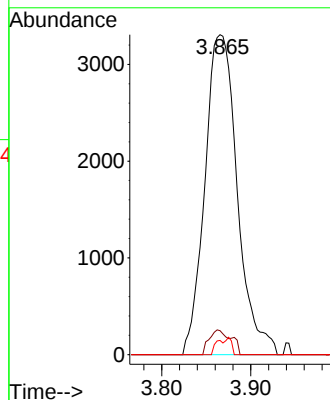
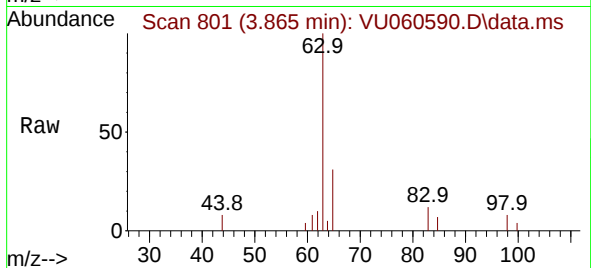




#17  
1,1-Dichloroethane  
Concen: 0.500 ug/l  
RT: 3.865 min Scan# 801  
Delta R.T. 0.006 min  
Lab File: VU060590.D  
Acq: 03 Sep 2024 17:18

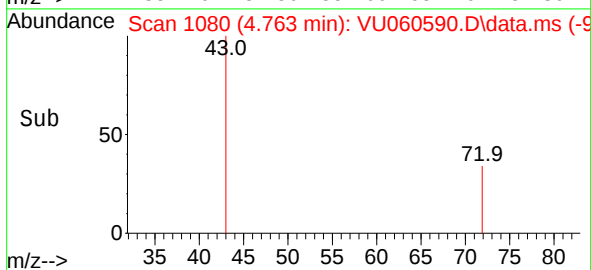
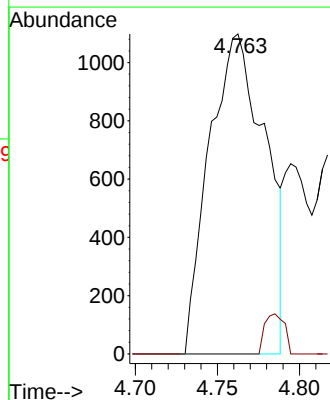
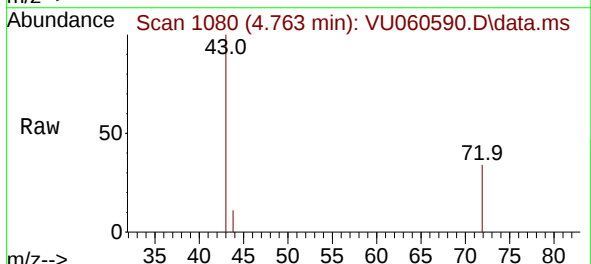
Instrument :  
MSVOA\_U  
ClientSampleId :

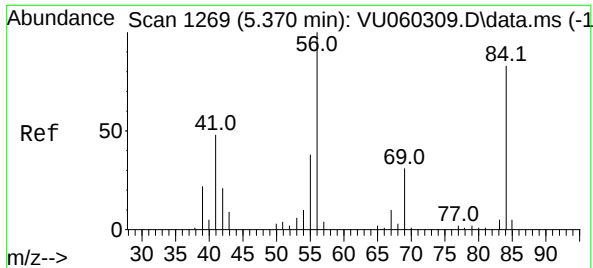
Tgt Ion: 63 Resp: 8370  
Ion Ratio Lower Upper  
63 100  
98 7.5 3.1 9.4  
100 4.5 2.0 5.8



#18  
2-Butanone  
Concen: 0.874 ug/l  
RT: 4.763 min Scan# 1080  
Delta R.T. 0.038 min  
Lab File: VU060590.D  
Acq: 03 Sep 2024 17:18

Tgt Ion: 43 Resp: 2603  
Ion Ratio Lower Upper  
43 100  
57 0.0 0.0 18.4

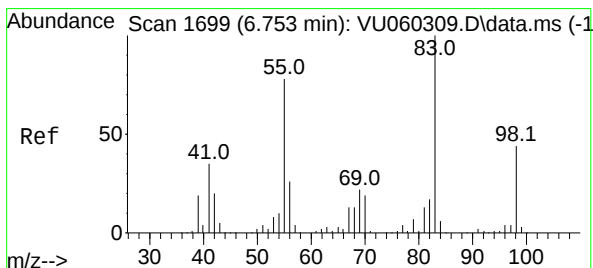
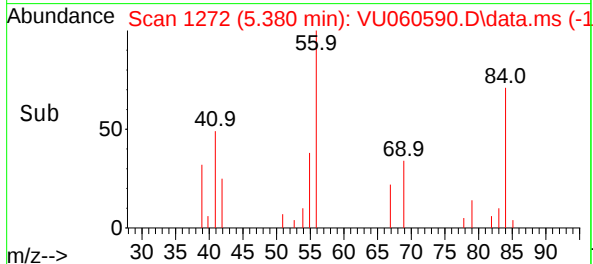
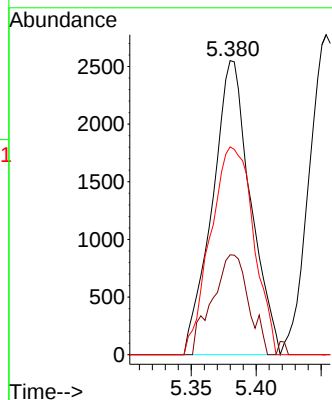
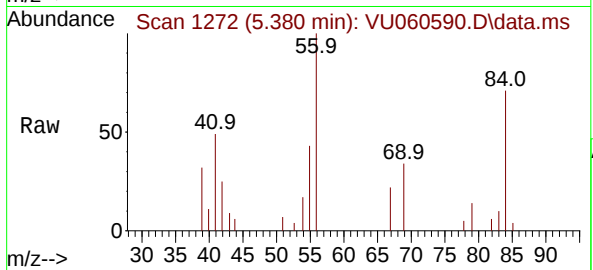




#19  
Cyclohexane  
Concen: 0.361 ug/l  
RT: 5.380 min Scan# 11  
Delta R.T. 0.010 min  
Lab File: VU060590.D  
Acq: 03 Sep 2024 17:18

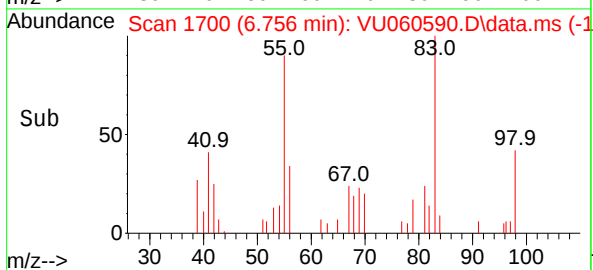
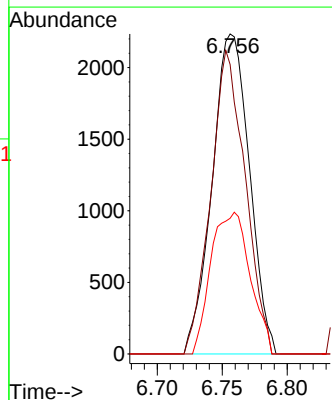
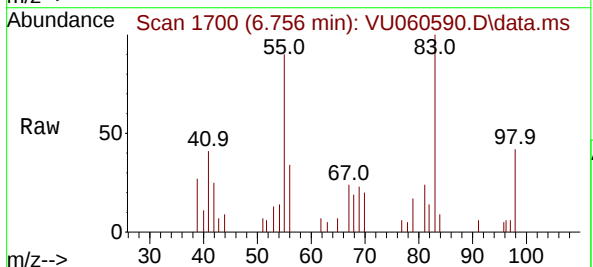
Instrument :  
MSVOA\_U  
ClientSampleId :

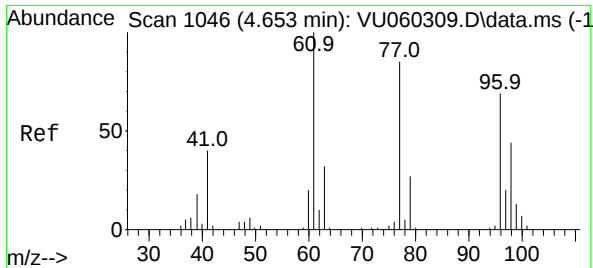
|             |                |
|-------------|----------------|
| Tgt Ion: 56 | Resp: 5215     |
| Ion Ratio   | Lower Upper    |
| 56          | 100            |
| 69          | 32.3 24.2 36.2 |
| 84          | 79.6 63.9 95.9 |



#20  
Methylcyclohexane  
Concen: 0.390 ug/l  
RT: 6.756 min Scan# 1700  
Delta R.T. 0.003 min  
Lab File: VU060590.D  
Acq: 03 Sep 2024 17:18

|             |                |
|-------------|----------------|
| Tgt Ion: 83 | Resp: 4463     |
| Ion Ratio   | Lower Upper    |
| 83          | 100            |
| 55          | 87.6 62.2 93.2 |
| 98          | 46.6 36.1 54.1 |

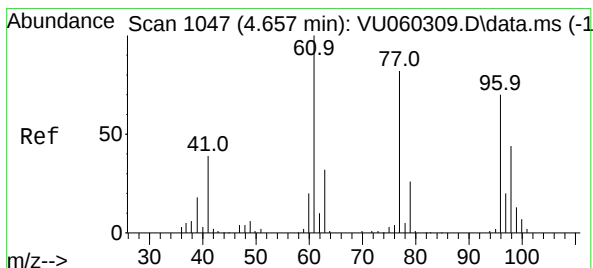
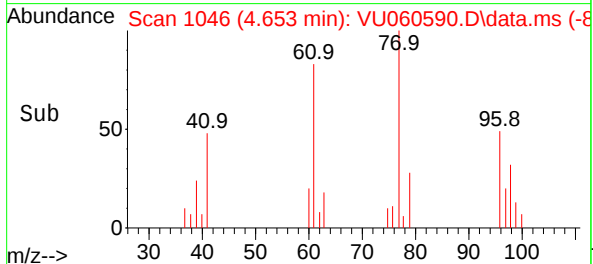
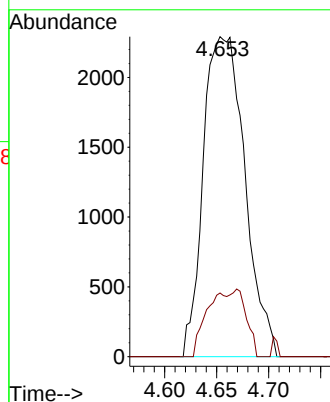
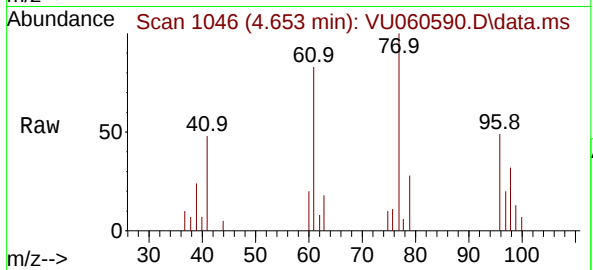




#21  
2,2-Dichloropropane  
Concen: 0.487 ug/l  
RT: 4.653 min Scan# 1051  
Delta R.T. -0.000 min  
Lab File: VU060590.D  
Acq: 03 Sep 2024 17:18

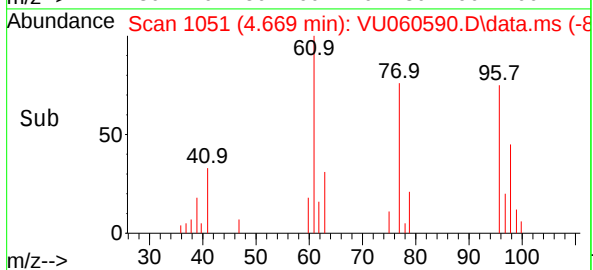
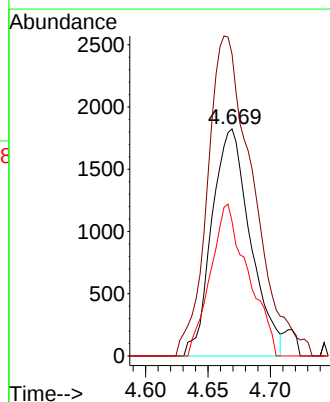
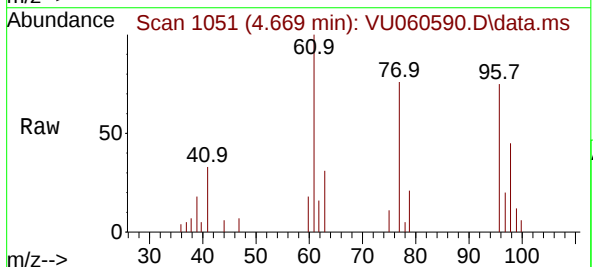
Instrument :  
MSVOA\_U  
ClientSampleId :

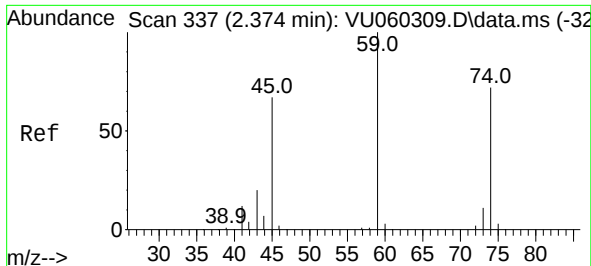
Tgt Ion: 77 Resp: 6356  
Ion Ratio Lower Upper  
77 100  
97 10.6 18.6 27.8#



#22  
cis-1,2-Dichloroethene  
Concen: 0.421 ug/l  
RT: 4.669 min Scan# 1051  
Delta R.T. 0.013 min  
Lab File: VU060590.D  
Acq: 03 Sep 2024 17:18

Tgt Ion: 96 Resp: 3924  
Ion Ratio Lower Upper  
96 100  
61 166.2 0.0 372.8  
98 65.1 31.8 95.4





#23

Diethyl Ether

Concen: 0.441 ug/l

RT: 2.374 min Scan# 337

Delta R.T. -0.000 min

Lab File: VU060590.D

Acq: 03 Sep 2024 17:18

Instrument :

MSVOA\_U

ClientSampleId :

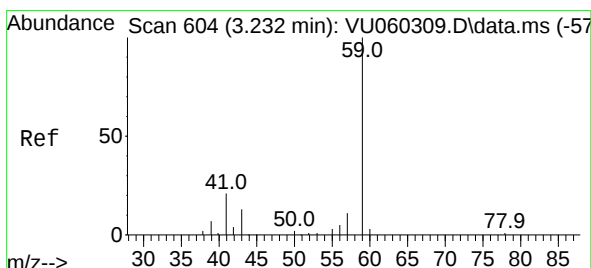
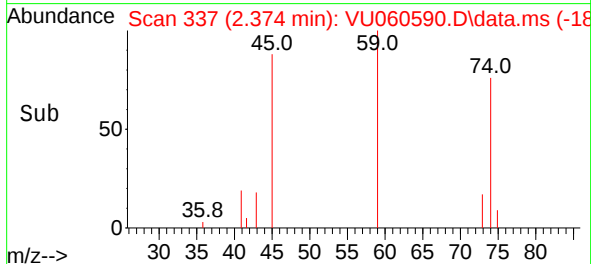
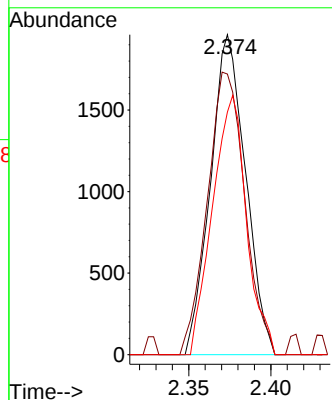
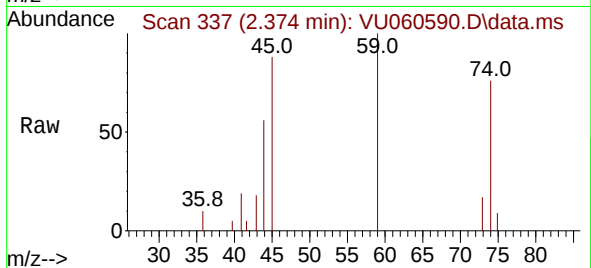
Tgt Ion: 59 Resp: 2915

Ion Ratio Lower Upper

59 100

45 94.1 55.8 83.6#

74 78.3 59.2 88.8



#24

tert-Butyl Alcohol

Concen: 0.761 ug/l

RT: 3.232 min Scan# 604

Delta R.T. 0.000 min

Lab File: VU060590.D

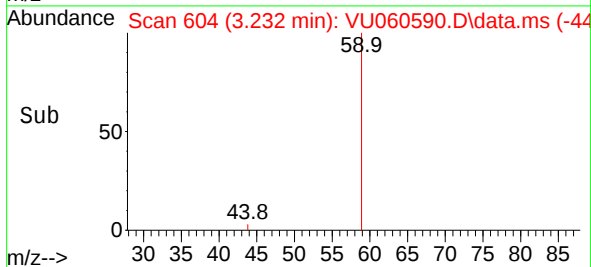
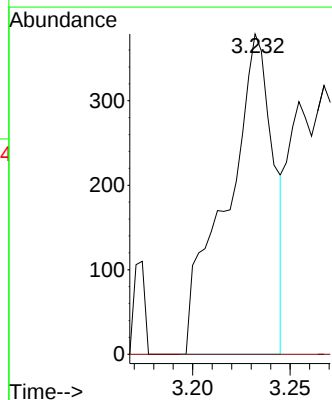
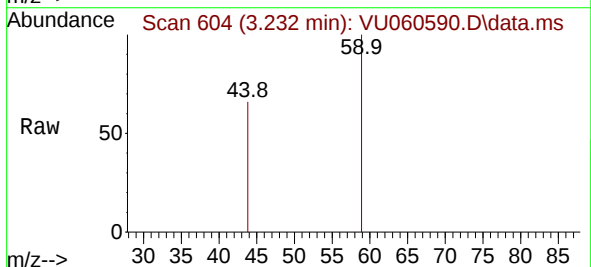
Acq: 03 Sep 2024 17:18

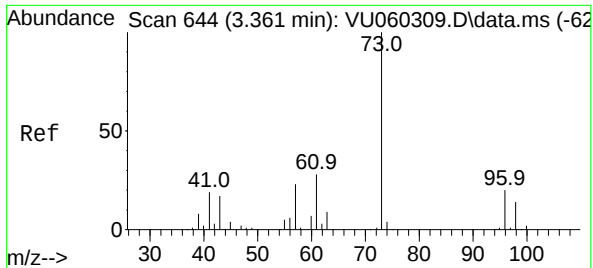
Tgt Ion: 59 Resp: 628

Ion Ratio Lower Upper

59 100

57 0.0 4.5 6.7#

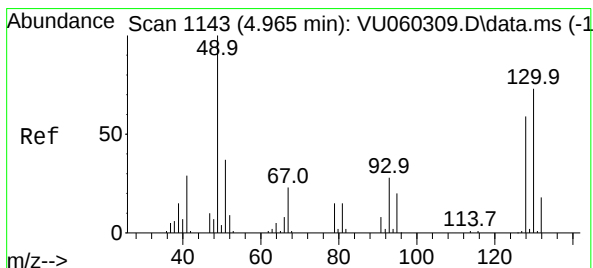
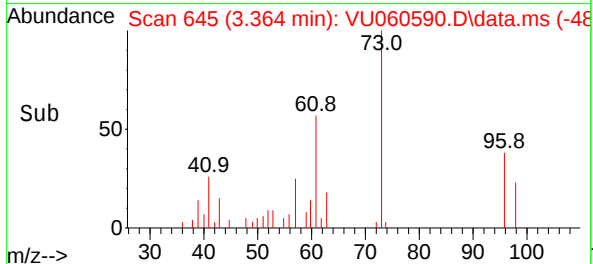
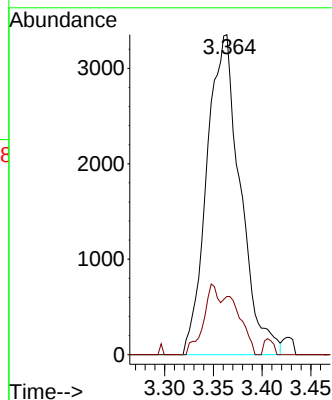
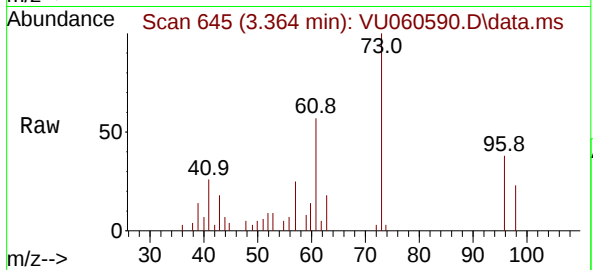




#25  
Methyl tert-Butyl Ether  
Concen: 0.401 ug/l  
RT: 3.364 min Scan# 644  
Delta R.T. 0.003 min  
Lab File: VU060590.D  
Acq: 03 Sep 2024 17:18

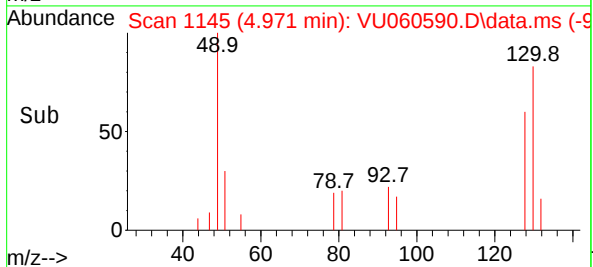
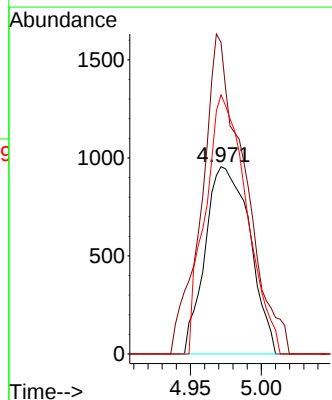
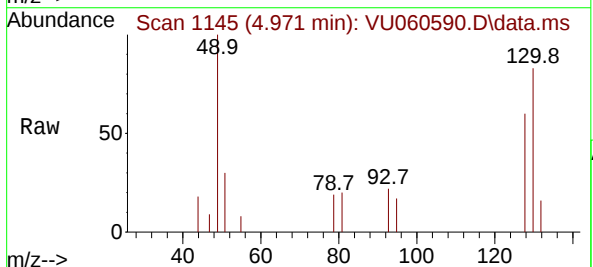
Instrument :  
MSVOA\_U  
ClientSampleId :

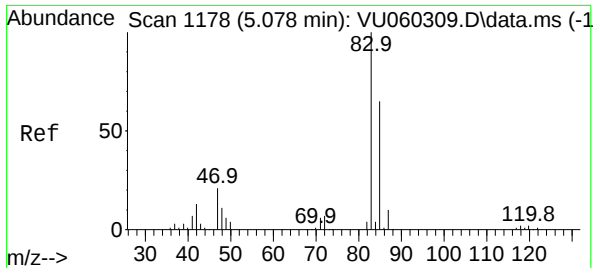
Tgt Ion: 73 Resp: 7998  
Ion Ratio Lower Upper  
73 100  
43 10.7 14.1 21.1#



#26  
Bromochloromethane  
Concen: 0.529 ug/l  
RT: 4.971 min Scan# 1145  
Delta R.T. 0.006 min  
Lab File: VU060590.D  
Acq: 03 Sep 2024 17:18

Tgt Ion: 128 Resp: 2090  
Ion Ratio Lower Upper  
128 100  
49 163.6 0.0 340.8  
130 128.5 102.1 153.1





#27

Chloroform

Concen: 0.570 ug/l

RT: 5.081 min Scan# 1178

Delta R.T. 0.003 min

Lab File: VU060590.D

Acq: 03 Sep 2024 17:18

Instrument :

MSVOA\_U

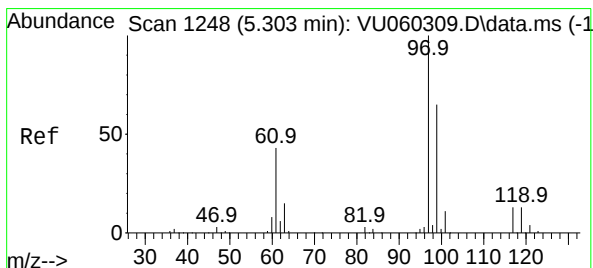
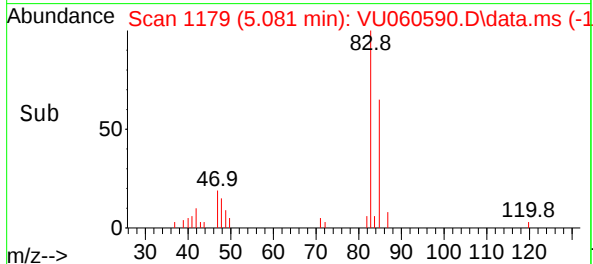
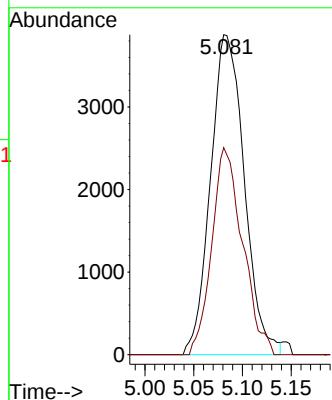
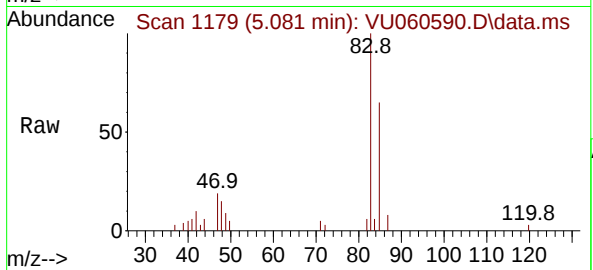
ClientSampleId :

Tgt Ion: 83 Resp: 9339

Ion Ratio Lower Upper

83 100

85 61.1 0.0 131.0



#28

1,1,1-Trichloroethane

Concen: 0.511 ug/l

RT: 5.309 min Scan# 1250

Delta R.T. 0.006 min

Lab File: VU060590.D

Acq: 03 Sep 2024 17:18

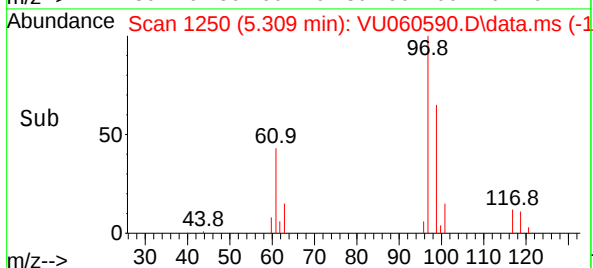
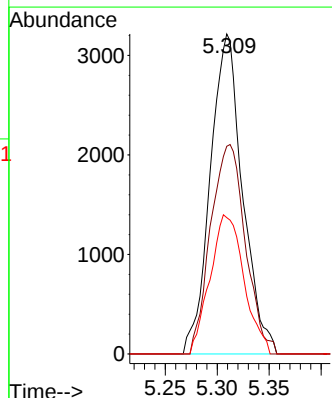
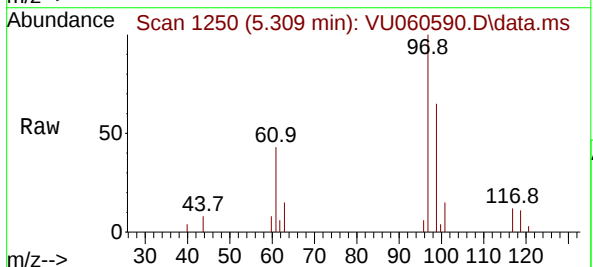
Tgt Ion: 97 Resp: 6956

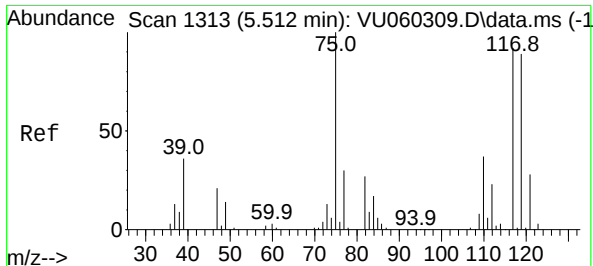
Ion Ratio Lower Upper

97 100

99 70.6 32.8 98.4

61 45.7 22.3 66.9

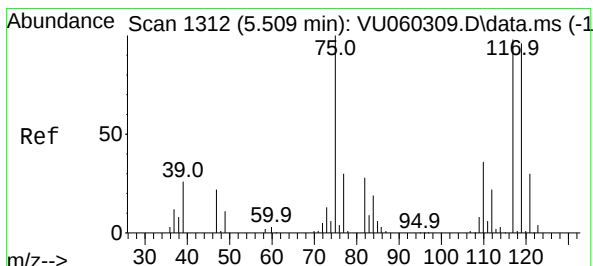
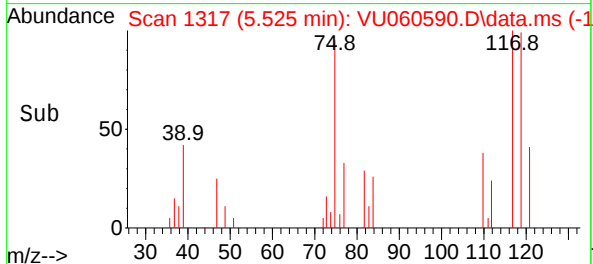
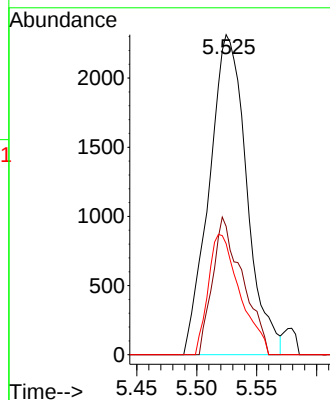
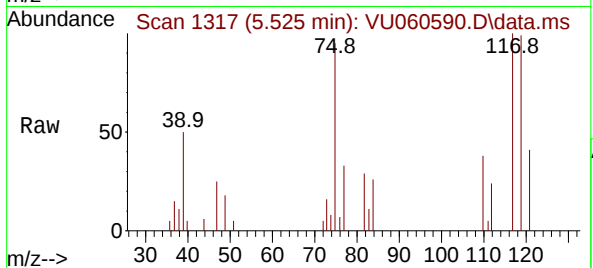




#29  
1,1-Dichloropropene  
Concen: 0.460 ug/l  
RT: 5.525 min Scan# 1317  
Delta R.T. 0.013 min  
Lab File: VU060590.D  
Acq: 03 Sep 2024 17:18

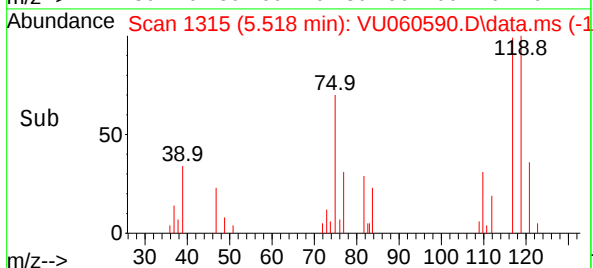
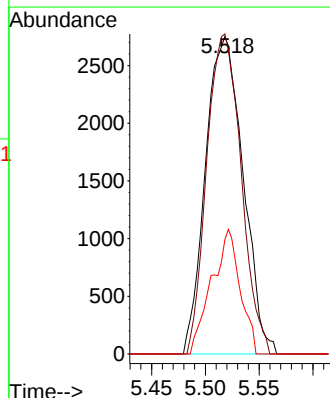
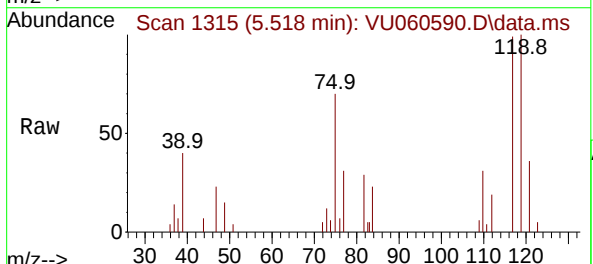
Instrument :  
MSVOA\_U  
ClientSampleId :

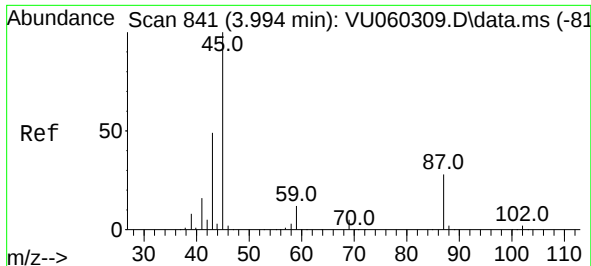
Tgt Ion: 75 Resp: 5016  
Ion Ratio Lower Upper  
75 100  
110 34.4 18.4 55.2  
77 31.8 24.8 37.2



#30  
Carbon Tetrachloride  
Concen: 0.603 ug/l  
RT: 5.518 min Scan# 1315  
Delta R.T. 0.009 min  
Lab File: VU060590.D  
Acq: 03 Sep 2024 17:18

Tgt Ion: 117 Resp: 6684  
Ion Ratio Lower Upper  
117 100  
119 100.9 77.8 116.6  
121 36.0 24.2 36.2

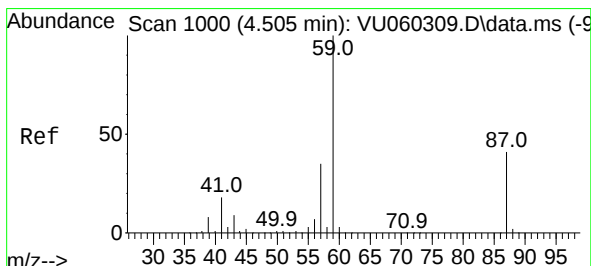
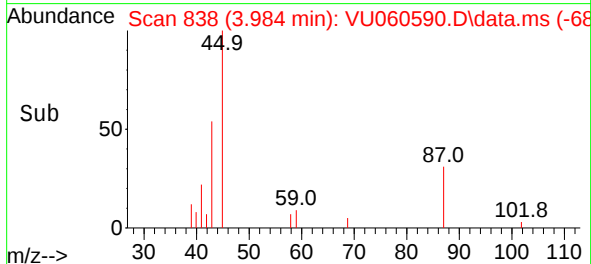
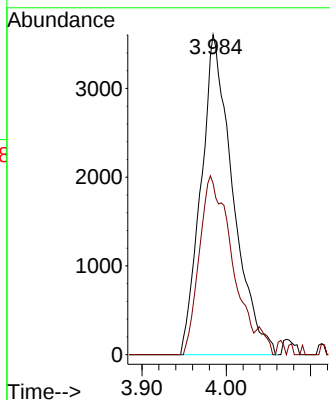
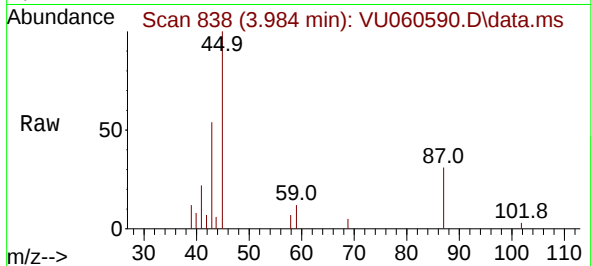




#31  
Isopropyl Ether  
Concen: 0.386 ug/l  
RT: 3.984 min Scan# 841  
Delta R.T. -0.010 min  
Lab File: VU060590.D  
Acq: 03 Sep 2024 17:18

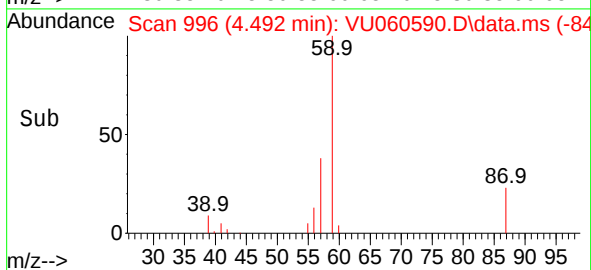
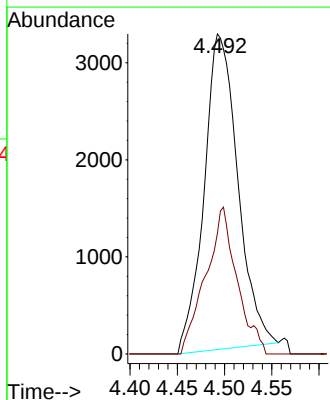
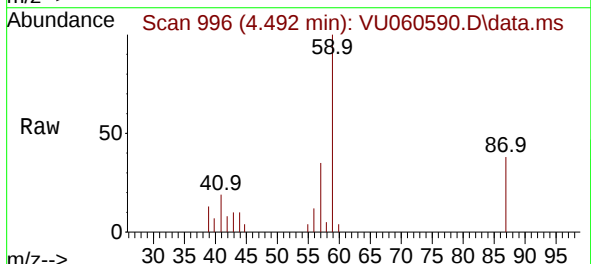
Instrument :  
MSVOA\_U  
ClientSampleId :

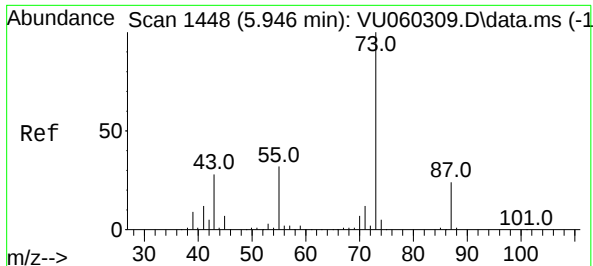
Tgt Ion: 45 Resp: 9458  
Ion Ratio Lower Upper  
45 100  
43 56.5 24.7 74.1



#32  
Ethyl-t-butyl ether  
Concen: 0.340 ug/l  
RT: 4.492 min Scan# 996  
Delta R.T. -0.013 min  
Lab File: VU060590.D  
Acq: 03 Sep 2024 17:18

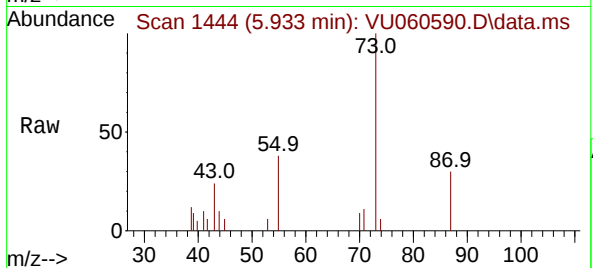
Tgt Ion: 59 Resp: 8052  
Ion Ratio Lower Upper  
59 100  
87 43.2 32.6 49.0



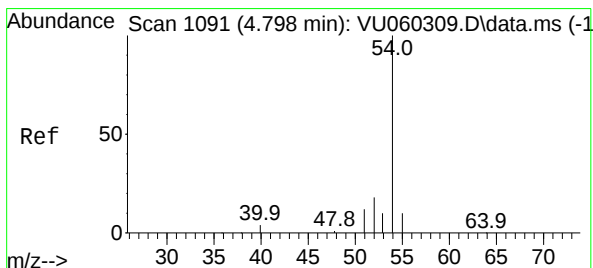
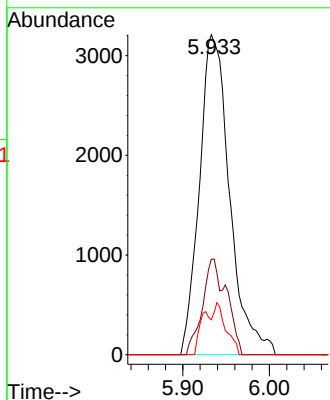
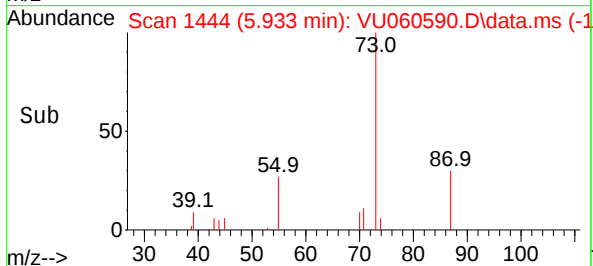


#33  
Tert-Amyl methyl ether  
Concen: 0.463 ug/l  
RT: 5.933 min Scan# 1103  
Delta R.T. -0.013 min  
Lab File: VU060590.D  
Acq: 03 Sep 2024 17:18

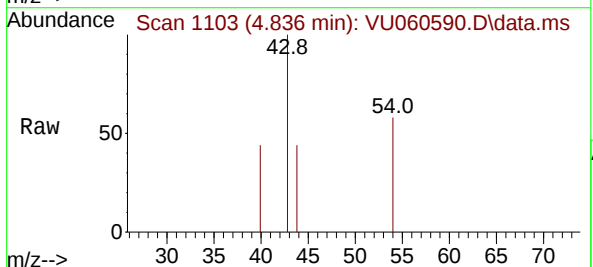
Instrument :  
MSVOA\_U  
ClientSampleId :



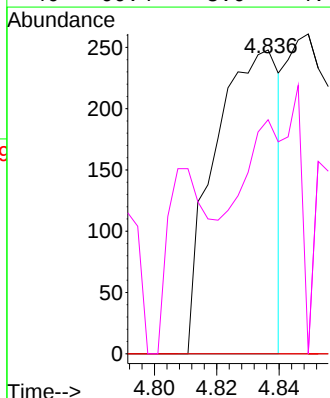
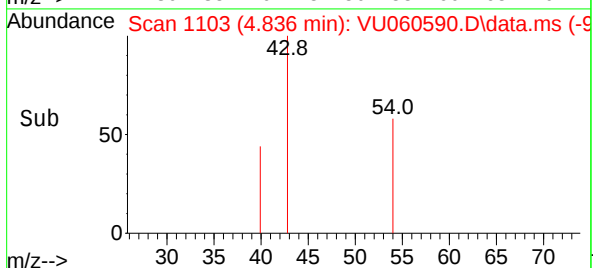
Tgt Ion: 73 Resp: 7768  
Ion Ratio Lower Upper  
73 100  
87 24.0 19.6 29.4  
71 6.7 9.5 14.3#

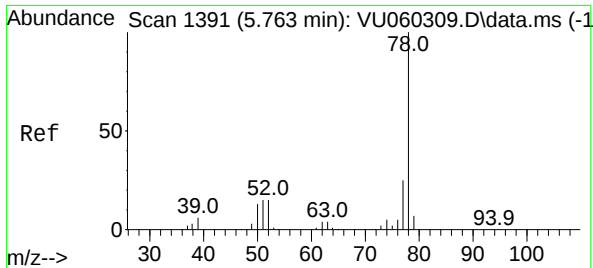


#34  
Propionitrile  
Concen: 0.416 ug/l  
RT: 4.836 min Scan# 1103  
Delta R.T. 0.038 min  
Lab File: VU060590.D  
Acq: 03 Sep 2024 17:18



Tgt Ion: 54 Resp: 354  
Ion Ratio Lower Upper  
54 100  
52 0.0 16.4 24.6#  
55 0.0 5.2 7.8#  
40 66.4 3.0 4.4#

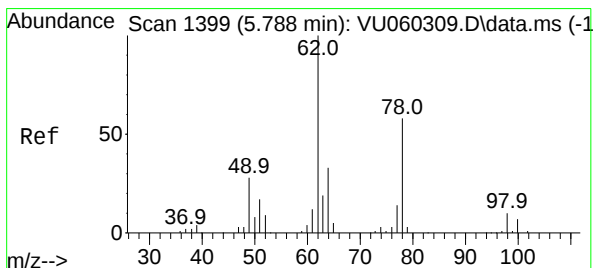
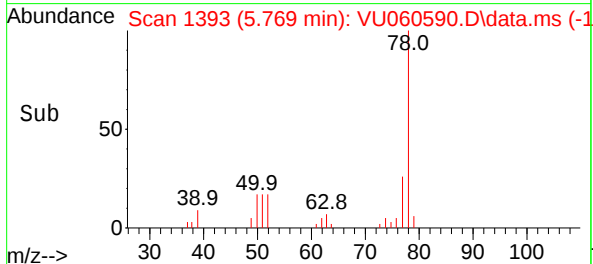
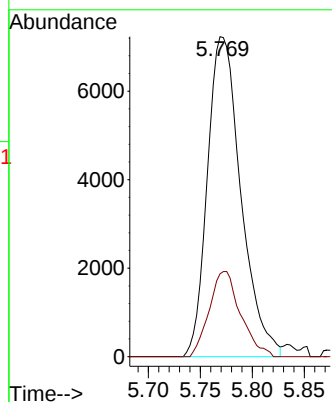
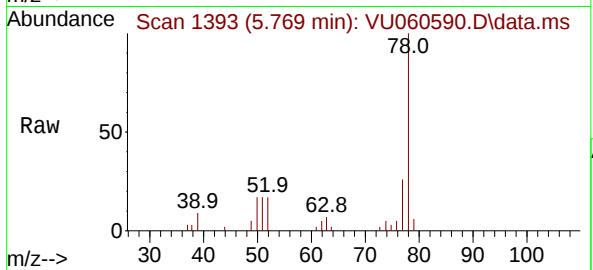




#35  
Benzene  
Concen: 0.483 ug/l  
RT: 5.769 min Scan# 1400  
Delta R.T. 0.006 min  
Lab File: VU060590.D  
Acq: 03 Sep 2024 17:18

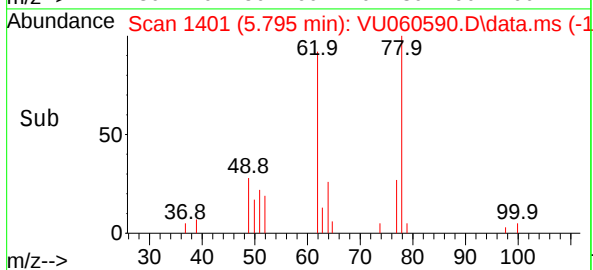
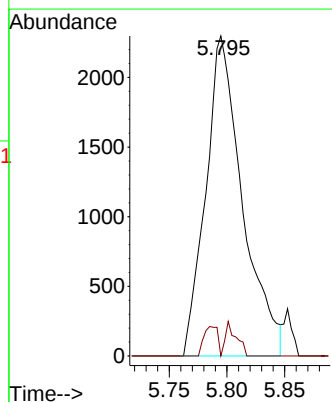
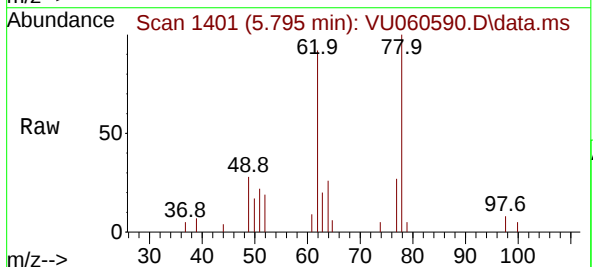
Instrument :  
MSVOA\_U  
ClientSampleId :

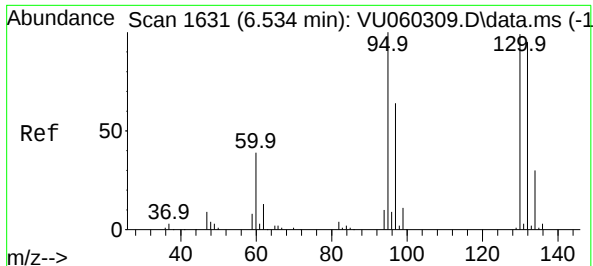
Tgt Ion: 78 Resp: 16229  
Ion Ratio Lower Upper  
78 100  
77 25.9 20.2 30.2



#36  
1,2-Dichloroethane  
Concen: 0.542 ug/l  
RT: 5.795 min Scan# 1401  
Delta R.T. 0.006 min  
Lab File: VU060590.D  
Acq: 03 Sep 2024 17:18

Tgt Ion: 62 Resp: 5059  
Ion Ratio Lower Upper  
62 100  
98 3.2 8.1 12.1#

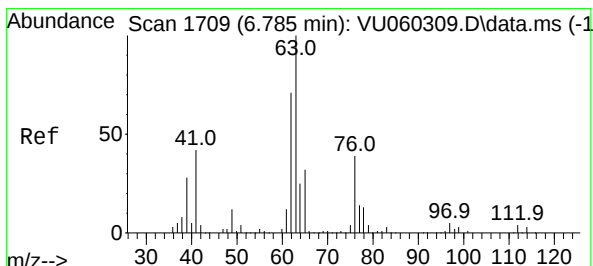
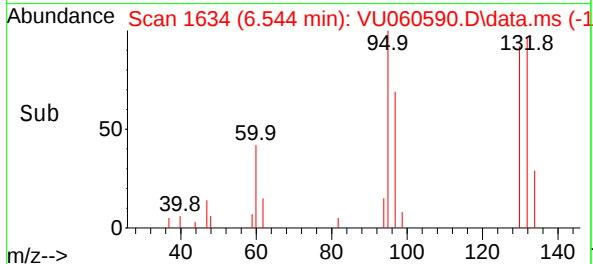
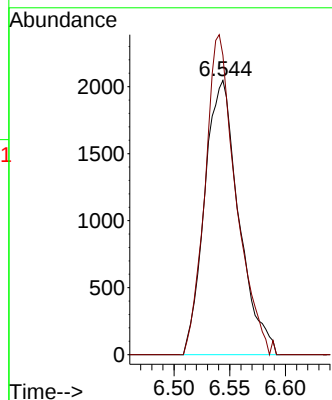
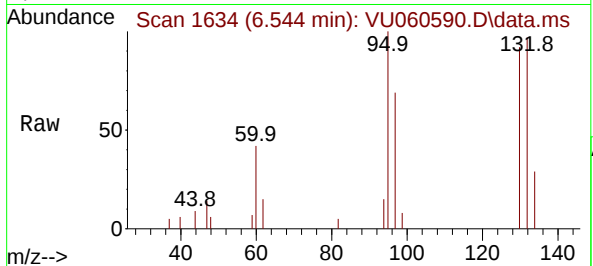




#37  
Trichloroethene  
Concen: 0.524 ug/l  
RT: 6.544 min Scan# 1  
Delta R.T. 0.010 min  
Lab File: VU060590.D  
Acq: 03 Sep 2024 17:18

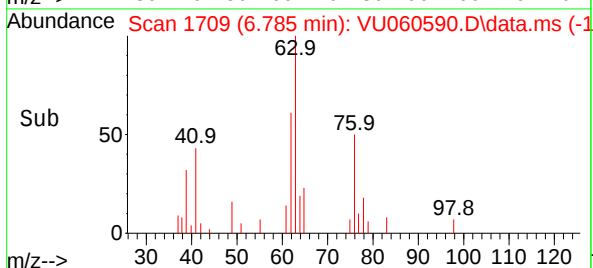
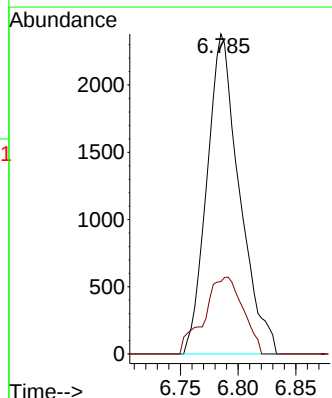
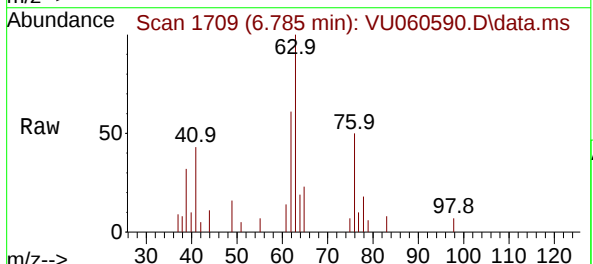
Instrument :  
MSVOA\_U  
ClientSampleId :

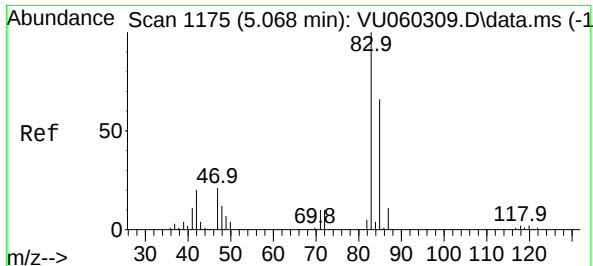
Tgt Ion:130 Resp: 4362  
Ion Ratio Lower Upper  
130 100  
95 109.2 80.6 121.0



#38  
1,2-Dichloropropane  
Concen: 0.513 ug/l  
RT: 6.785 min Scan# 1709  
Delta R.T. -0.000 min  
Lab File: VU060590.D  
Acq: 03 Sep 2024 17:18

Tgt Ion: 63 Resp: 4661  
Ion Ratio Lower Upper  
63 100  
65 22.6 25.6 38.4#





#41

Tetrahydrofuran

Concen: 0.340 ug/l

RT: 5.081 min Scan# 1179

Delta R.T. 0.013 min

Lab File: VU060590.D

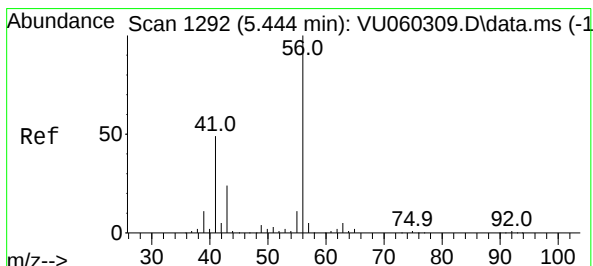
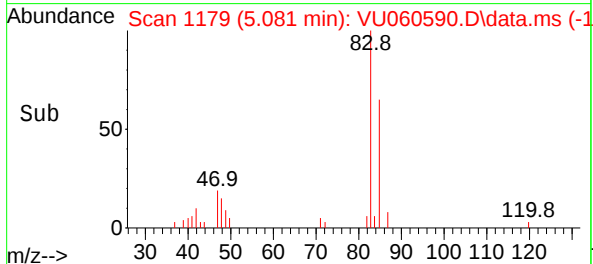
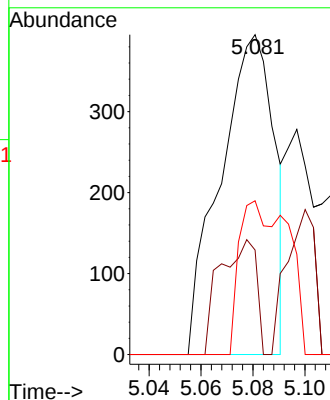
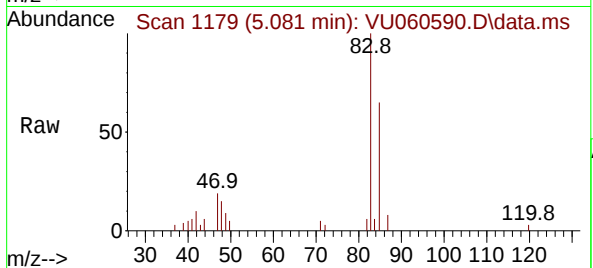
Acq: 03 Sep 2024 17:18

Instrument :

MSVOA\_U

ClientSampleId :

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 42    | Resp: | 570   |
| Ion Ratio | Lower | Upper |       |
| 42        | 100   |       |       |
| 72        | 24.2  | 40.6  | 60.8# |
| 71        | 43.5  | 38.0  | 57.0  |



#42

1-Chlorobutane

Concen: 0.444 ug/l

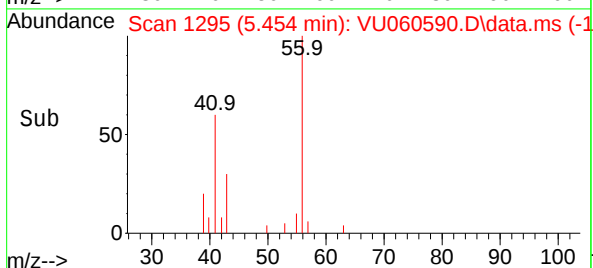
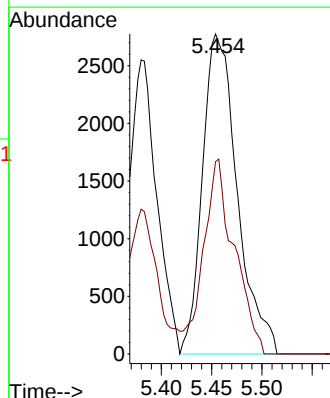
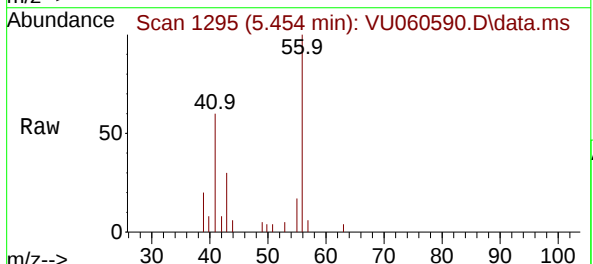
RT: 5.454 min Scan# 1295

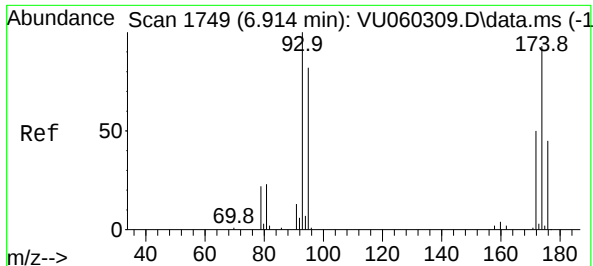
Delta R.T. 0.009 min

Lab File: VU060590.D

Acq: 03 Sep 2024 17:18

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 56    | Resp: | 6681 |
| Ion Ratio | Lower | Upper |      |
| 56        | 100   |       |      |
| 41        | 53.9  | 23.8  | 71.5 |





#43

Dibromomethane

Concen: 0.438 ug/l

RT: 6.926 min Scan# 1753

Delta R.T. 0.013 min

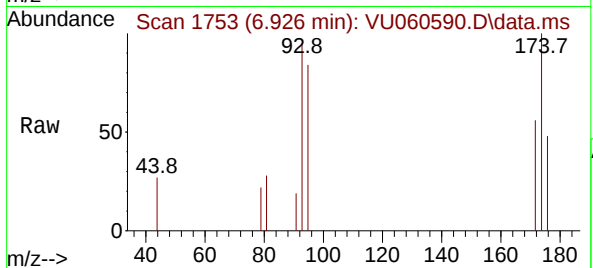
Lab File: VU060590.D

Acq: 03 Sep 2024 17:18

Instrument :

MSVOA\_U

ClientSampleId :



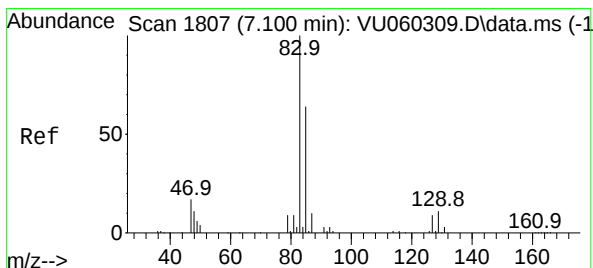
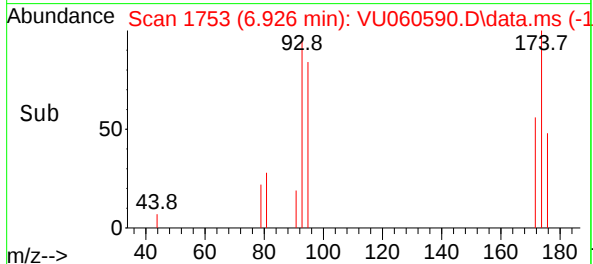
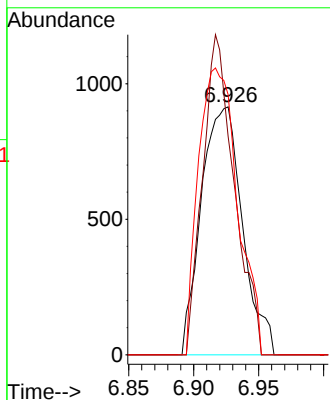
Tgt Ion: 93 Resp: 2015

Ion Ratio Lower Upper

93 100

95 99.6 66.4 99.6

174 110.0 75.2 112.8



#44

Bromodichloromethane

Concen: 0.580 ug/l

RT: 7.100 min Scan# 1807

Delta R.T. -0.000 min

Lab File: VU060590.D

Acq: 03 Sep 2024 17:18

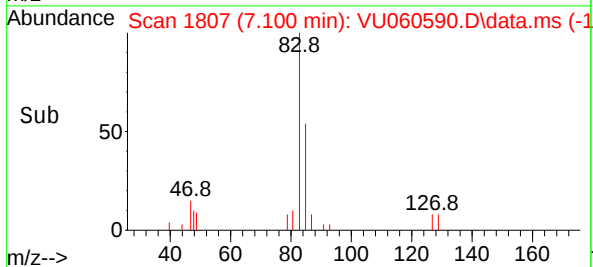
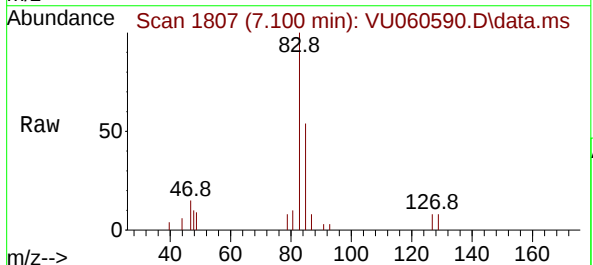
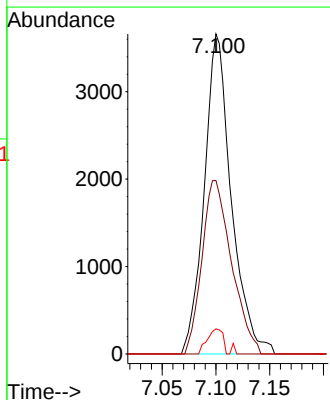
Tgt Ion: 83 Resp: 6403

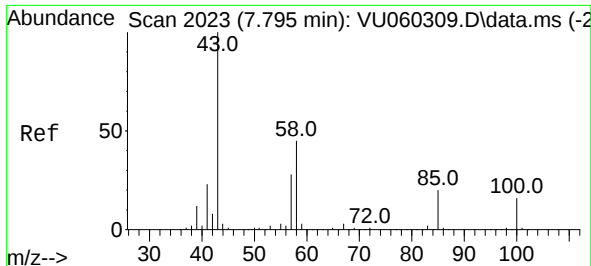
Ion Ratio Lower Upper

83 100

85 54.2 51.3 76.9

127 7.8 6.8 10.2

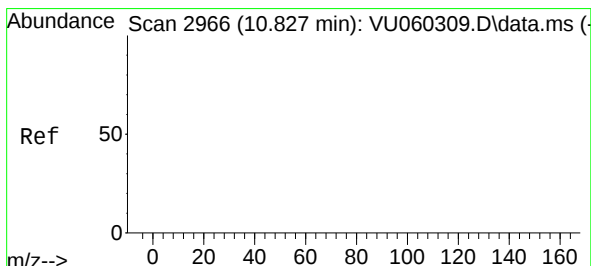
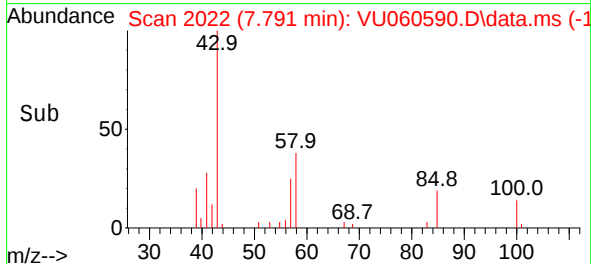
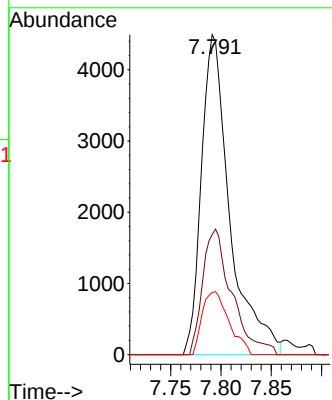
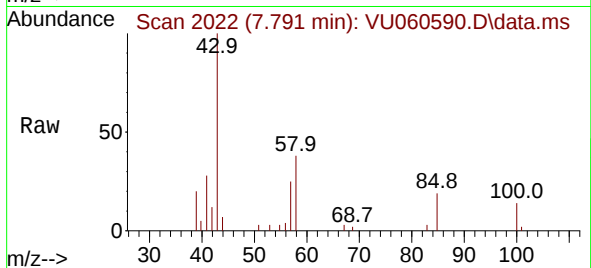




#45  
4-Methyl-2-Pentanone  
Concen: 2.050 ug/l  
RT: 7.791 min Scan# 2022  
Delta R.T. -0.003 min  
Lab File: VU060590.D  
Acq: 03 Sep 2024 17:18

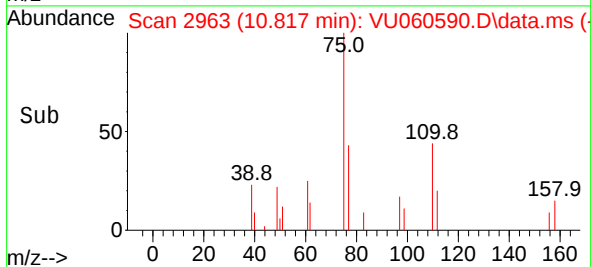
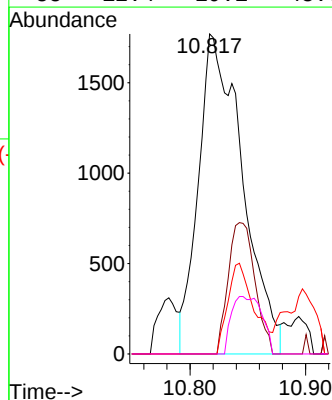
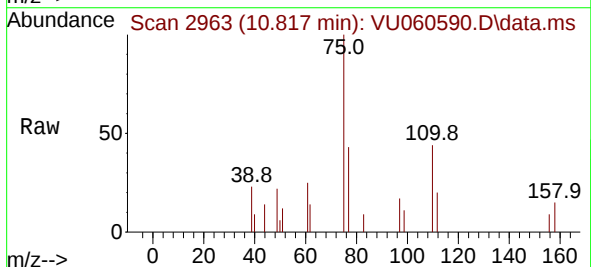
Instrument :  
MSVOA\_U  
ClientSampleId :

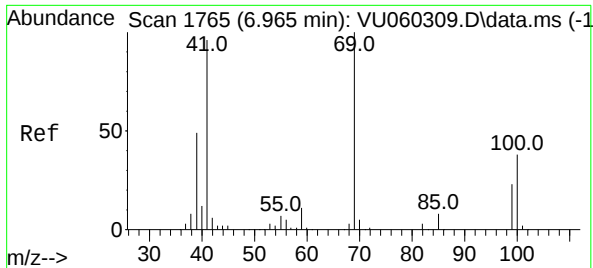
Tgt Ion: 43 Resp: 8854  
Ion Ratio Lower Upper  
43 100  
58 40.0 22.3 66.9  
85 18.5 16.0 24.0



#46  
t-1,4-Dichloro-2-butene  
Concen: 1.937 ug/l  
RT: 10.817 min Scan# 2963  
Delta R.T. -0.010 min  
Lab File: VU060590.D  
Acq: 03 Sep 2024 17:18

Tgt Ion: 75 Resp: 4688  
Ion Ratio Lower Upper  
75 100  
53 24.9 57.2 85.8#  
89 17.2 40.4 60.6#  
88 12.4 29.1 43.7#





#47

Methyl methacrylate

Concen: 0.711 ug/l

RT: 6.968 min Scan# 1766

Delta R.T. 0.003 min

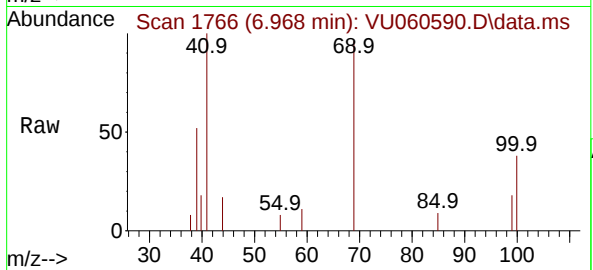
Lab File: VU060590.D

Acq: 03 Sep 2024 17:18

Instrument :

MSVOA\_U

ClientSampleId :



Tgt Ion: 69 Resp: 2654

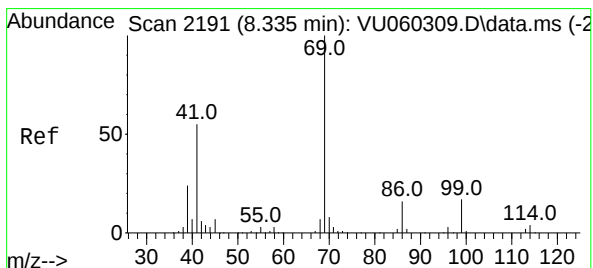
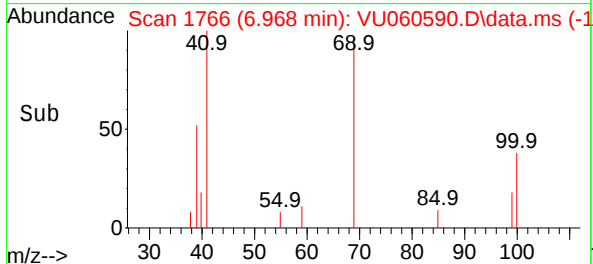
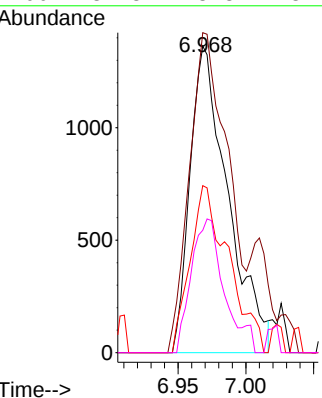
Ion Ratio Lower Upper

69 100

41 105.9 0.0 194.0

39 55.2 38.0 57.0

100 37.8 28.8 43.2



#48

Ethyl methacrylate

Concen: 0.369 ug/l

RT: 8.338 min Scan# 2192

Delta R.T. 0.003 min

Lab File: VU060590.D

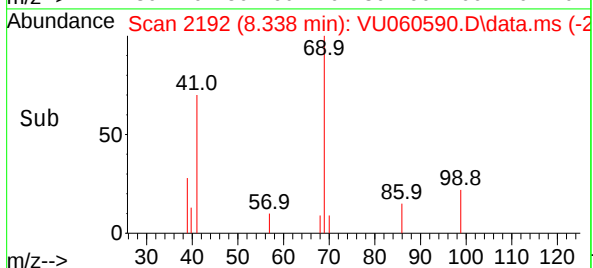
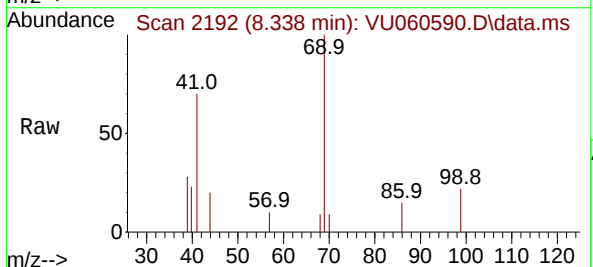
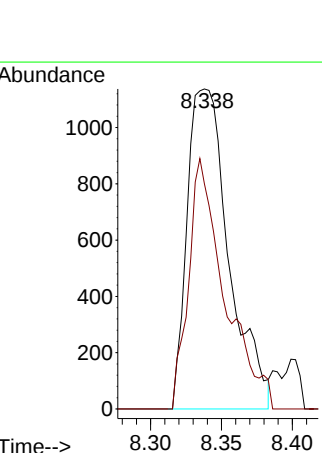
Acq: 03 Sep 2024 17:18

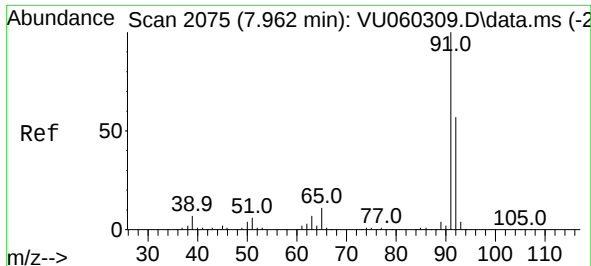
Tgt Ion: 69 Resp: 2336

Ion Ratio Lower Upper

69 100

41 67.3 27.5 82.5





#49

Toluene

Concen: 0.412 ug/l

RT: 7.968 min Scan# 2077

Delta R.T. 0.006 min

Lab File: VU060590.D

Acq: 03 Sep 2024 17:18

Instrument :

MSVOA\_U

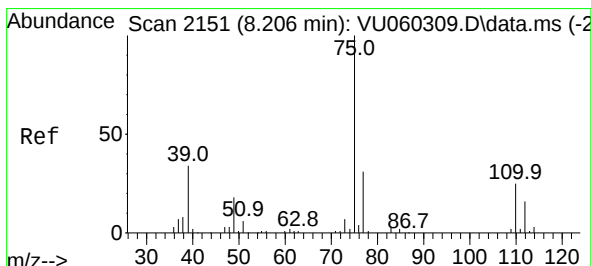
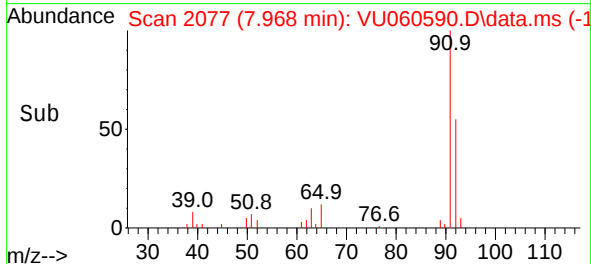
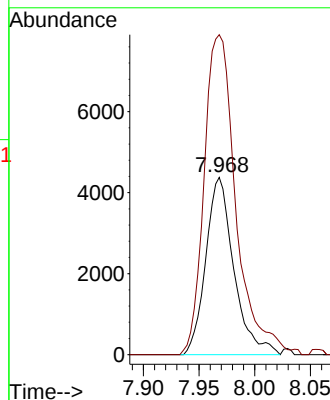
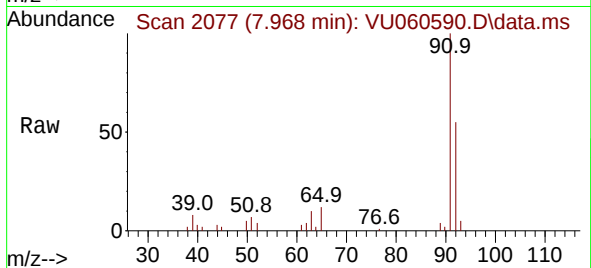
ClientSampleId :

Tgt Ion: 92 Resp: 7670

Ion Ratio Lower Upper

92 100

91 204.7 141.0 211.4



#50

t-1,3-Dichloropropene

Concen: 0.461 ug/l

RT: 8.209 min Scan# 2152

Delta R.T. 0.003 min

Lab File: VU060590.D

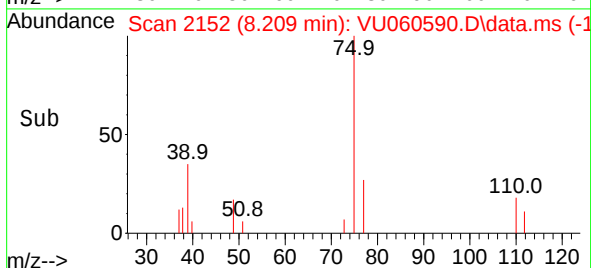
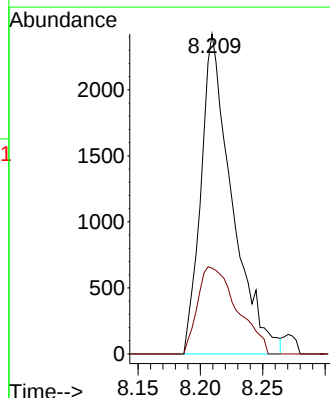
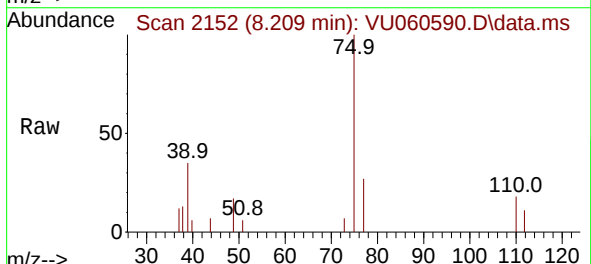
Acq: 03 Sep 2024 17:18

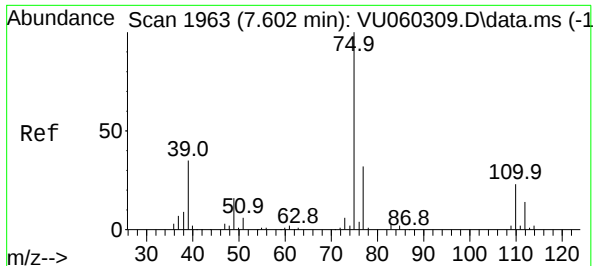
Tgt Ion: 75 Resp: 4201

Ion Ratio Lower Upper

75 100

77 26.8 24.6 37.0

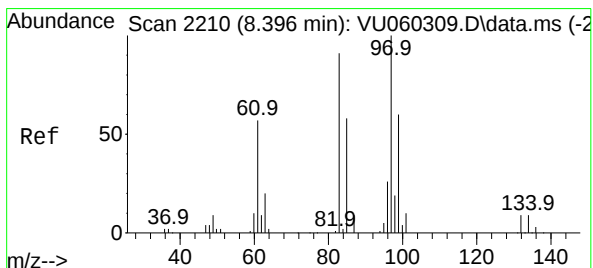
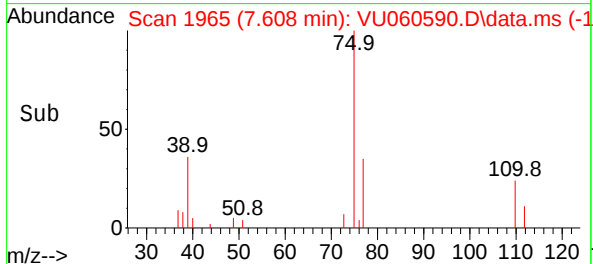
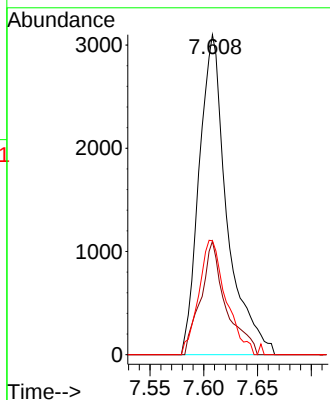
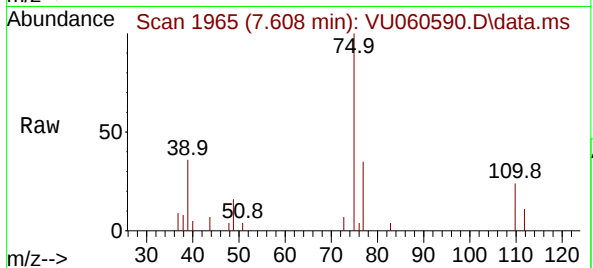




#51  
 cis-1,3-Dichloropropene  
 Concen: 0.508 ug/l  
 RT: 7.608 min Scan# 1963  
 Delta R.T. 0.006 min  
 Lab File: VU060590.D  
 Acq: 03 Sep 2024 17:18

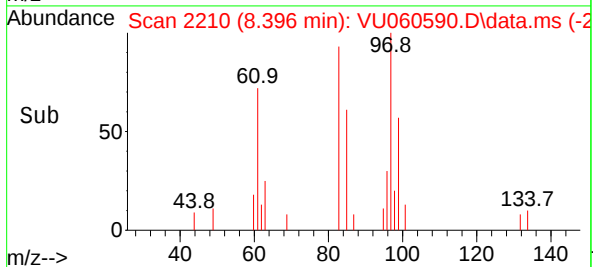
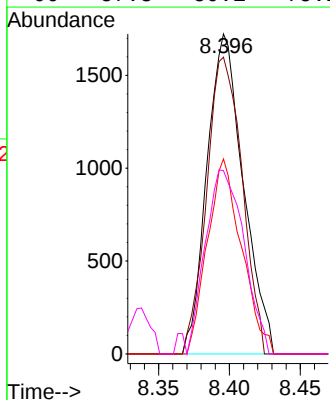
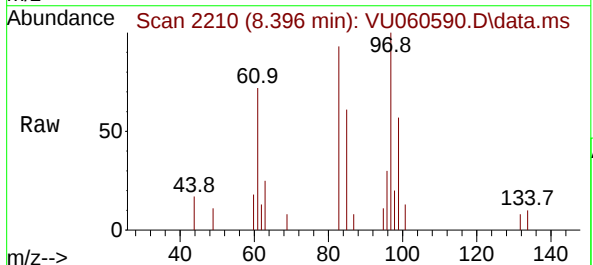
Instrument :  
 MSVOA\_U  
 ClientSampleId :

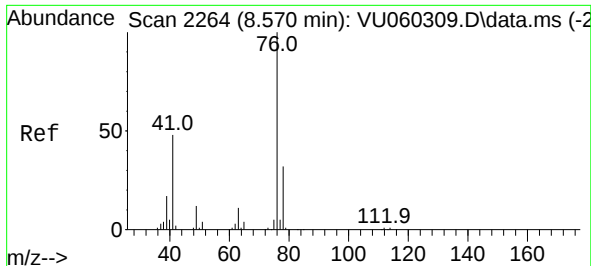
Tgt Ion: 75 Resp: 5569  
 Ion Ratio Lower Upper  
 75 100  
 77 35.5 25.4 38.0  
 39 35.6 28.0 42.0



#52  
 1,1,2-Trichloroethane  
 Concen: 0.456 ug/l  
 RT: 8.396 min Scan# 2210  
 Delta R.T. -0.000 min  
 Lab File: VU060590.D  
 Acq: 03 Sep 2024 17:18

Tgt Ion: 97 Resp: 3076  
 Ion Ratio Lower Upper  
 97 100  
 83 92.7 73.0 109.4  
 85 60.9 46.2 69.4  
 99 57.3 50.1 75.1





#53

1,3-Dichloropropane

Concen: 0.485 ug/l

RT: 8.573 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU060590.D

Acq: 03 Sep 2024 17:18

Instrument :

MSVOA\_U

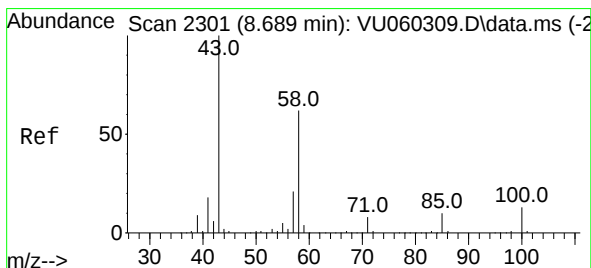
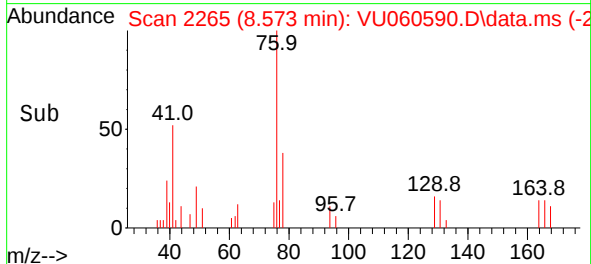
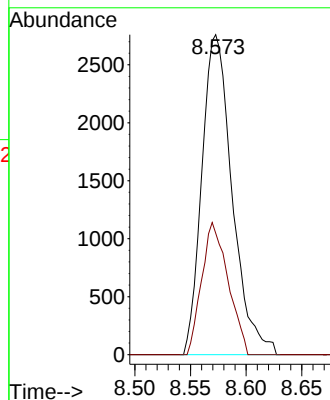
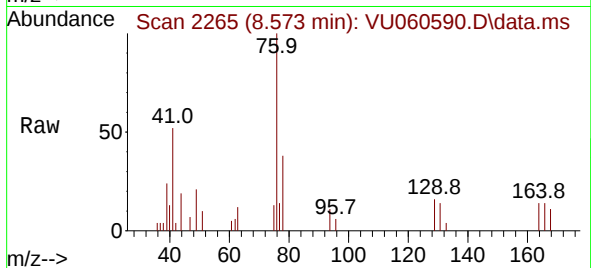
ClientSampleId :

Tgt Ion: 76 Resp: 5223

Ion Ratio Lower Upper

76 100

78 35.9 26.2 39.2



#54

2-Hexanone

Concen: 1.842 ug/l

RT: 8.695 min Scan# 2303

Delta R.T. 0.006 min

Lab File: VU060590.D

Acq: 03 Sep 2024 17:18

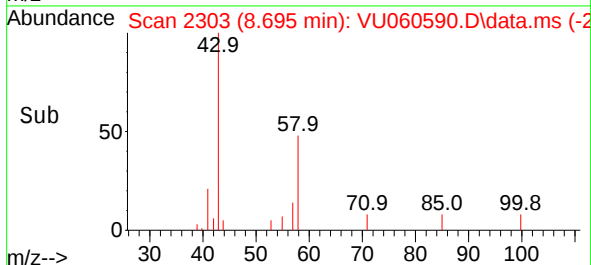
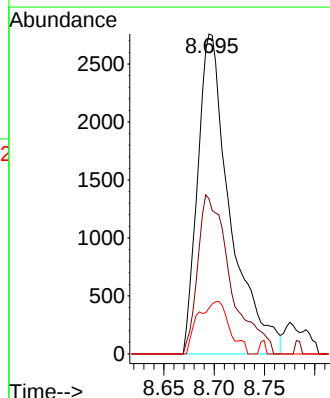
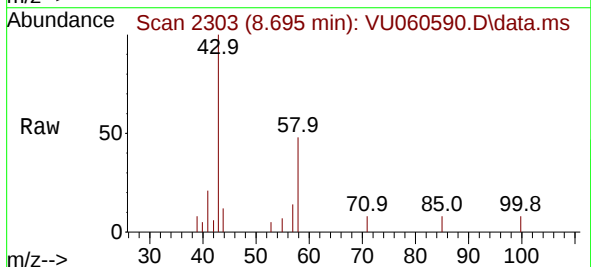
Tgt Ion: 43 Resp: 6164

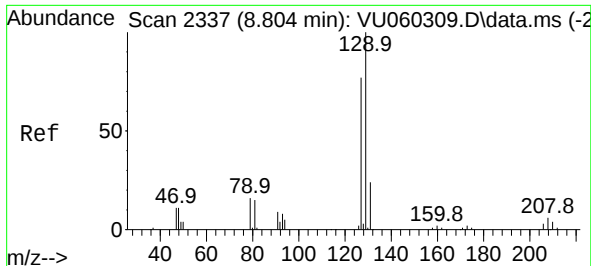
Ion Ratio Lower Upper

43 100

58 50.2 40.1 80.1

57 15.9 0.3 40.3





#55

Dibromochloromethane

Concen: 0.531 ug/l

RT: 8.801 min Scan# 2336

Delta R.T. -0.003 min

Lab File: VU060590.D

Acq: 03 Sep 2024 17:18

Instrument :

MSVOA\_U

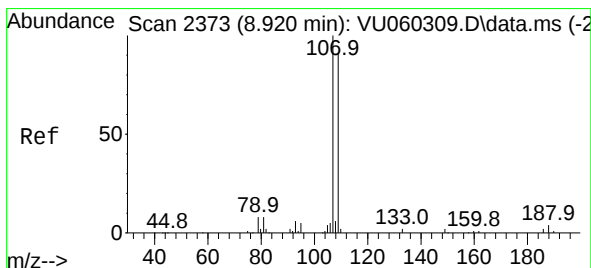
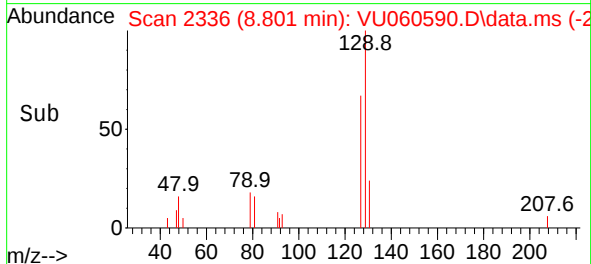
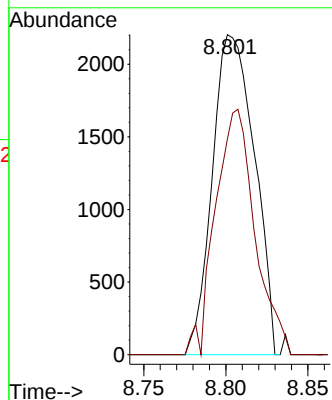
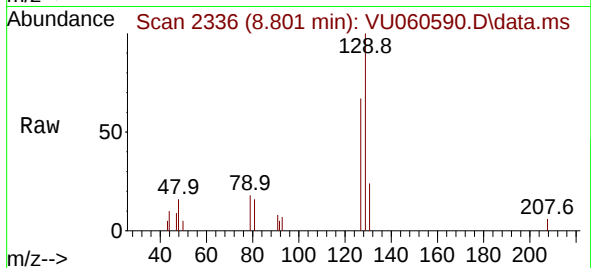
ClientSampleId :

Tgt Ion:129 Resp: 3933

Ion Ratio Lower Upper

129 100

127 72.1 61.6 92.4



#56

1,2-Dibromoethane

Concen: 0.468 ug/l

RT: 8.926 min Scan# 2375

Delta R.T. 0.006 min

Lab File: VU060590.D

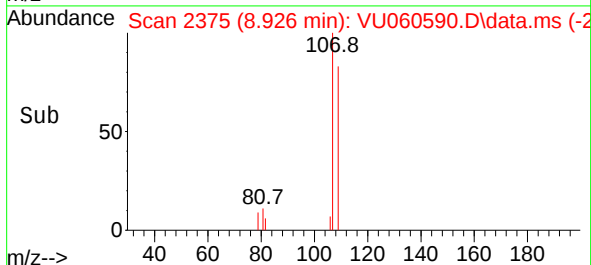
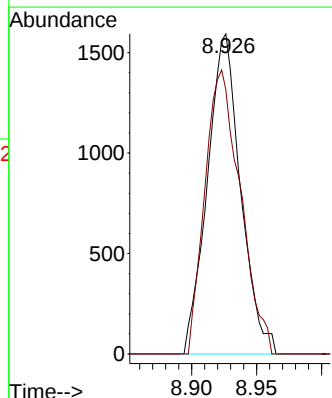
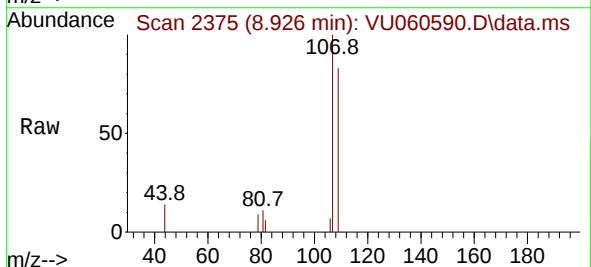
Acq: 03 Sep 2024 17:18

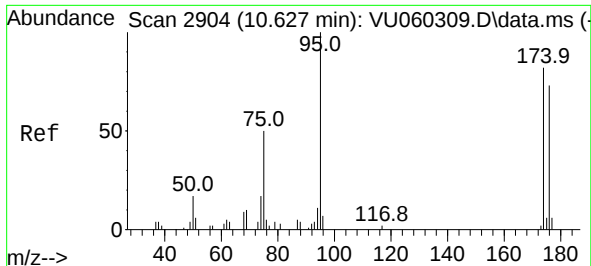
Tgt Ion:107 Resp: 2831

Ion Ratio Lower Upper

107 100

109 94.7 0.0 184.0





#57

4-Bromofluorobenzene

Concen: 0.951 ug/l

RT: 10.630 min Scan# 2905

Delta R.T. 0.003 min

Lab File: VU060590.D

Acq: 03 Sep 2024 17:18

Instrument :

MSVOA\_U

ClientSampleId :

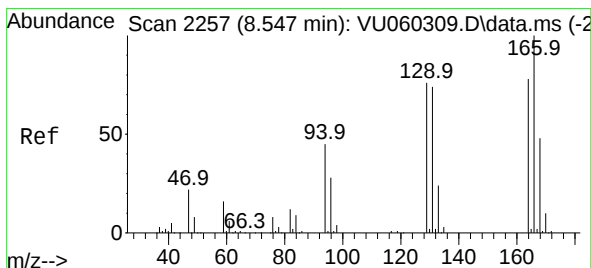
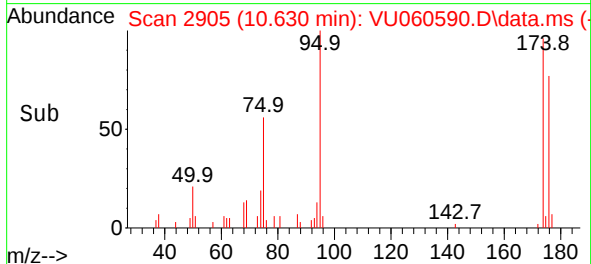
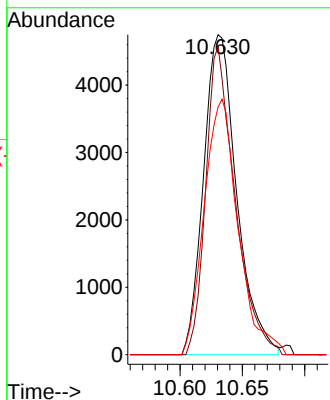
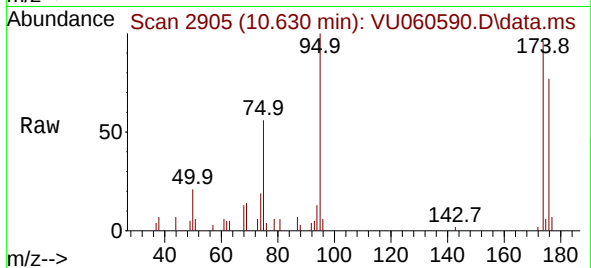
Tgt Ion: 95 Resp: 8810

Ion Ratio Lower Upper

95 100

174 85.1 65.6 98.4

176 81.7 60.4 90.6



#58

Tetrachloroethene

Concen: 0.543 ug/l

RT: 8.547 min Scan# 2257

Delta R.T. -0.000 min

Lab File: VU060590.D

Acq: 03 Sep 2024 17:18

Tgt Ion: 164 Resp: 4034

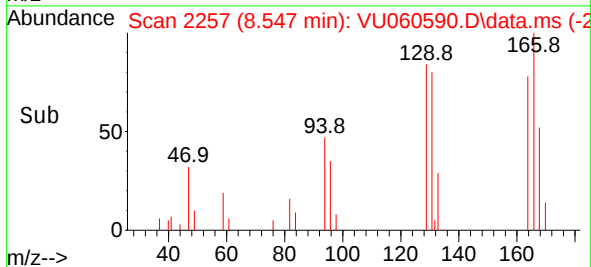
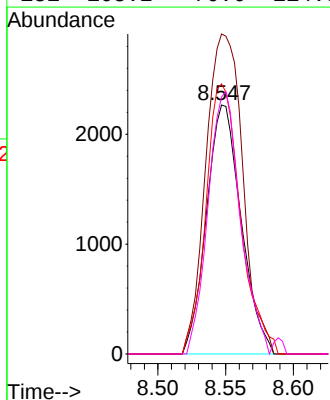
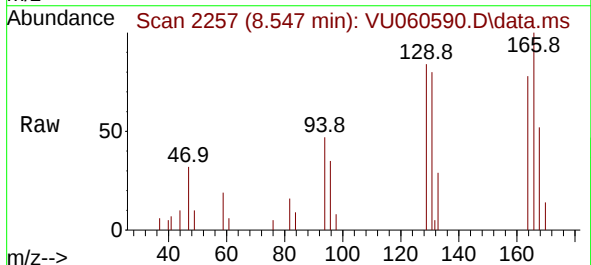
Ion Ratio Lower Upper

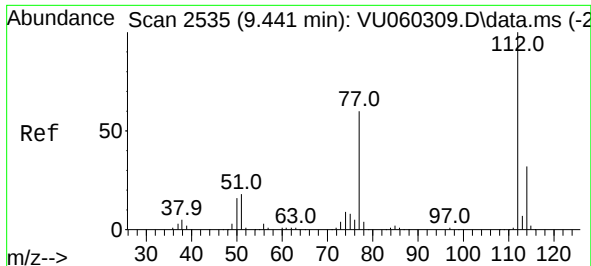
164 100

166 128.5 102.9 154.3

129 108.4 78.0 117.0

131 103.2 76.6 114.8





#59

Chlorobenzene

Concen: 0.456 ug/l

RT: 9.444 min Scan# 2535

Delta R.T. 0.003 min

Lab File: VU060590.D

Acq: 03 Sep 2024 17:18

Instrument :

MSVOA\_U

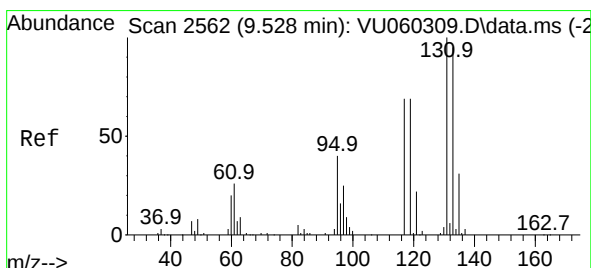
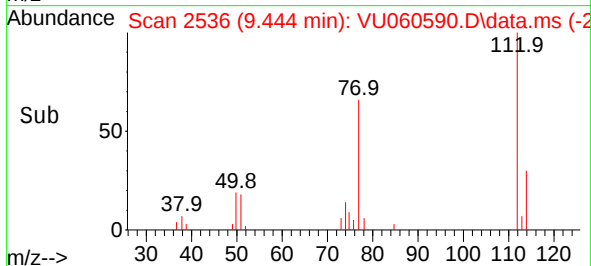
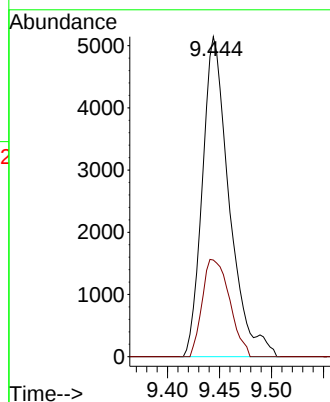
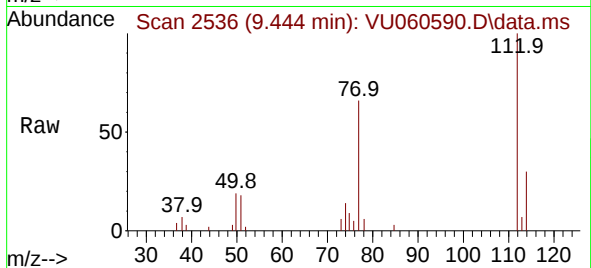
ClientSampleId :

Tgt Ion:112 Resp: 9207

Ion Ratio Lower Upper

112 100

114 30.2 25.3 37.9



#60

1,1,1,2-Tetrachloroethane

Concen: 0.543 ug/l

RT: 9.524 min Scan# 2561

Delta R.T. -0.003 min

Lab File: VU060590.D

Acq: 03 Sep 2024 17:18

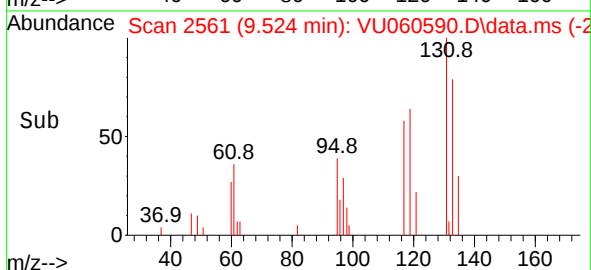
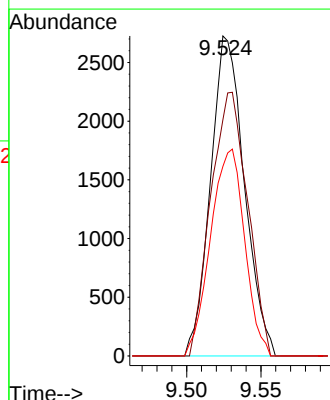
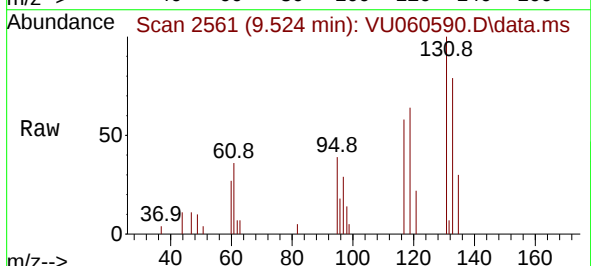
Tgt Ion:131 Resp: 4317

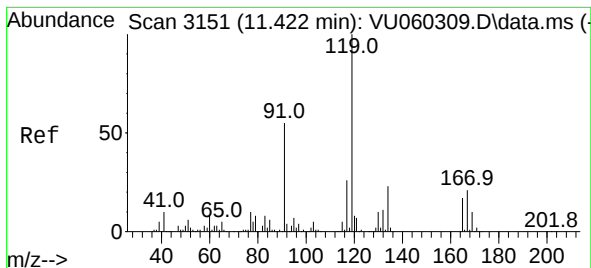
Ion Ratio Lower Upper

131 100

133 89.6 77.2 115.8

119 65.1 55.4 83.2

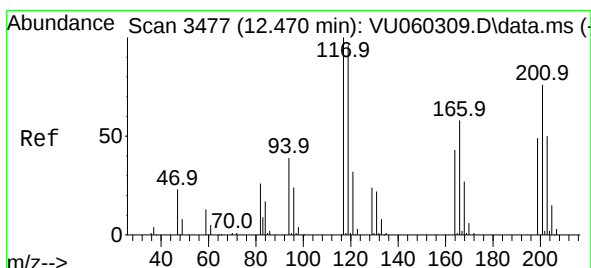
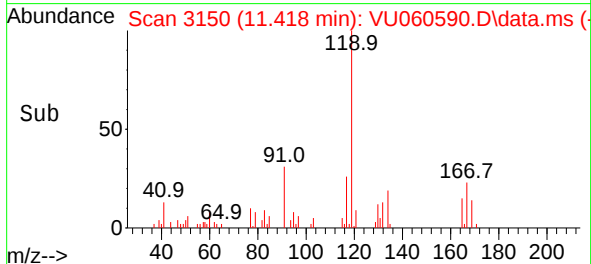
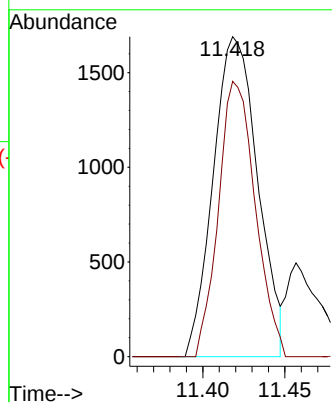
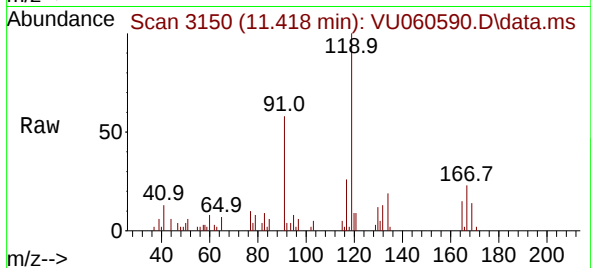




#61  
Pentachloroethane  
Concen: 0.468 ug/l  
RT: 11.418 min Scan# 3150  
Delta R.T. -0.003 min  
Lab File: VU060590.D  
Acq: 03 Sep 2024 17:18

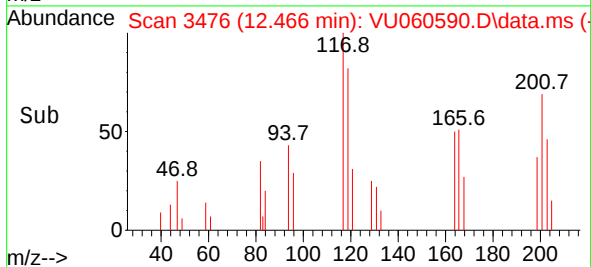
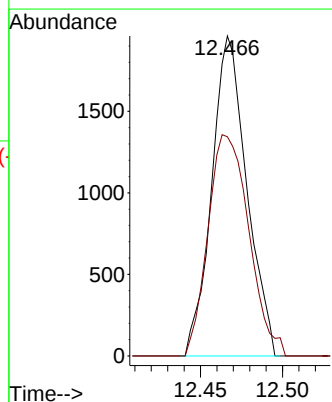
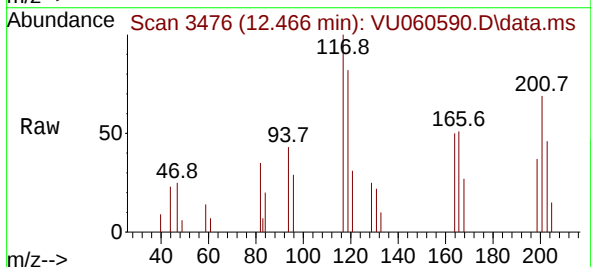
Instrument :  
MSVOA\_U  
ClientSampleId :

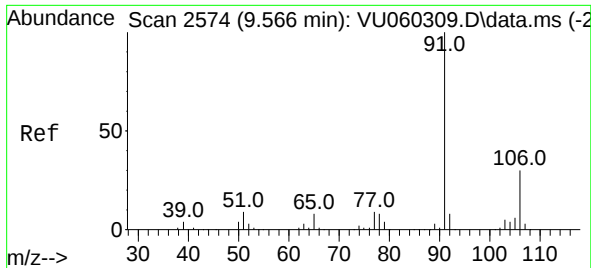
Tgt Ion:117 Resp: 3180  
Ion Ratio Lower Upper  
117 100  
167 71.3 62.2 93.4



#62  
Hexachloroethane  
Concen: 0.443 ug/l  
RT: 12.466 min Scan# 3476  
Delta R.T. -0.003 min  
Lab File: VU060590.D  
Acq: 03 Sep 2024 17:18

Tgt Ion:117 Resp: 2906  
Ion Ratio Lower Upper  
117 100  
201 80.8 62.7 94.1





#63

Ethyl Benzene

Concen: 0.841 ug/l

RT: 9.566 min Scan# 2574

Delta R.T. 0.000 min

Lab File: VU060590.D

Acq: 03 Sep 2024 17:18

Instrument :

MSVOA\_U

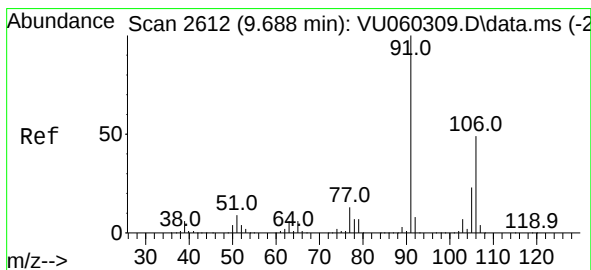
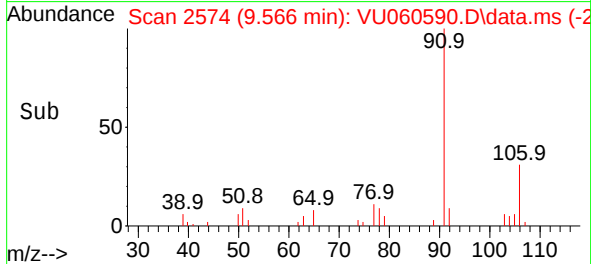
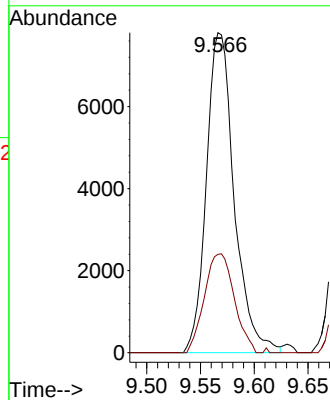
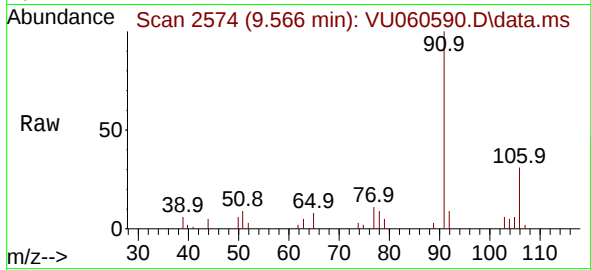
ClientSampleId :

Tgt Ion: 91 Resp: 14023

Ion Ratio Lower Upper

91 100

106 30.7 24.4 36.6



#64

m/p-Xylenes

Concen: 1.525 ug/l

RT: 9.688 min Scan# 2612

Delta R.T. 0.000 min

Lab File: VU060590.D

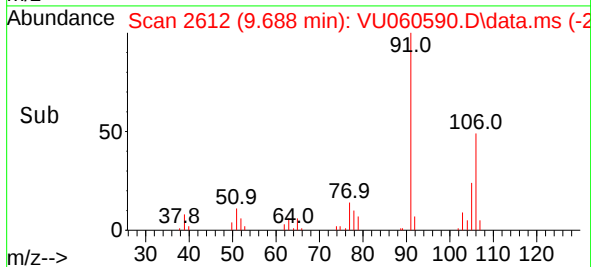
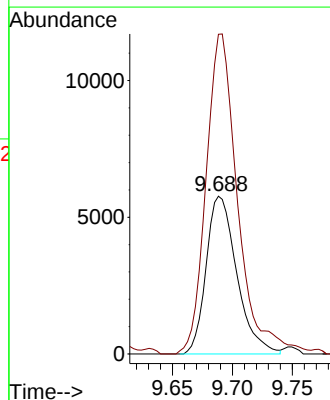
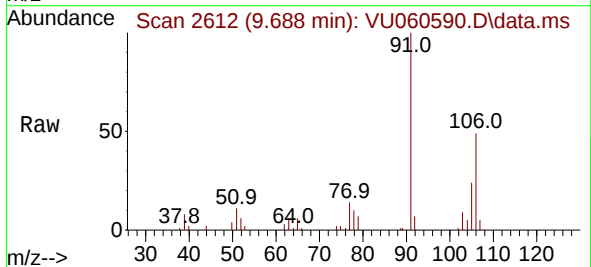
Acq: 03 Sep 2024 17:18

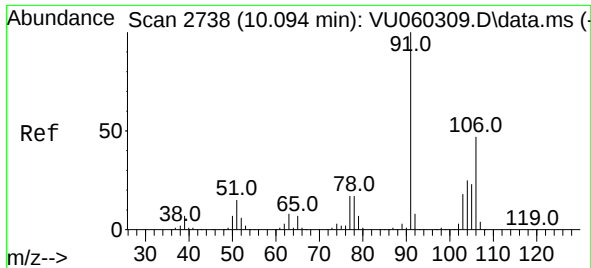
Tgt Ion:106 Resp: 10248

Ion Ratio Lower Upper

106 100

91 209.4 165.0 247.4

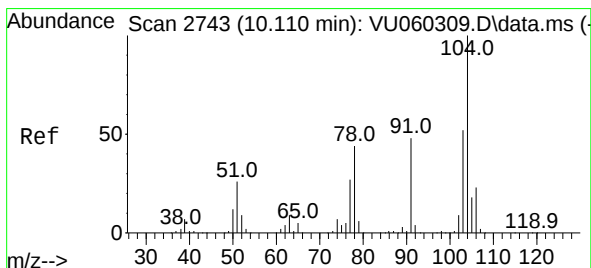
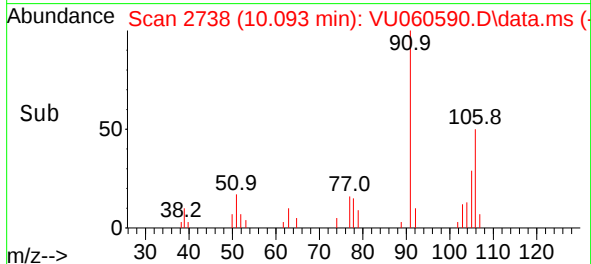
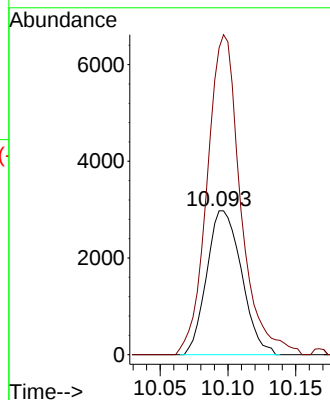
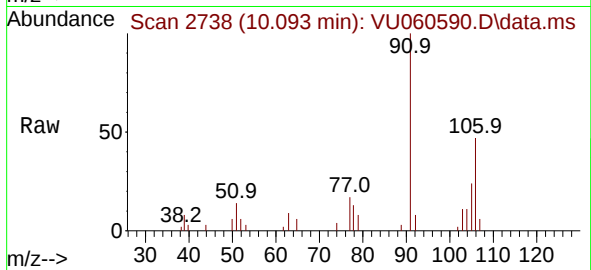




#65  
o-Xylene  
Concen: 0.788 ug/l  
RT: 10.093 min Scan# 2738  
Delta R.T. -0.001 min  
Lab File: VU060590.D  
Acq: 03 Sep 2024 17:18

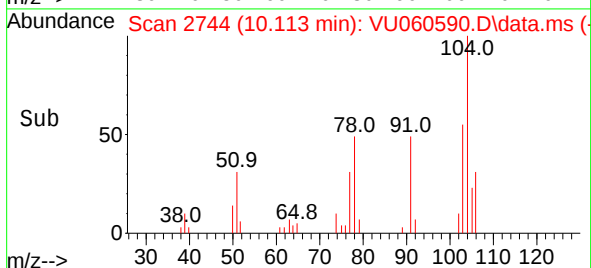
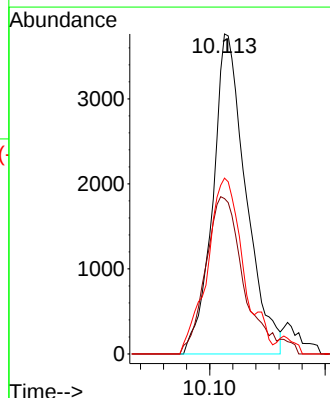
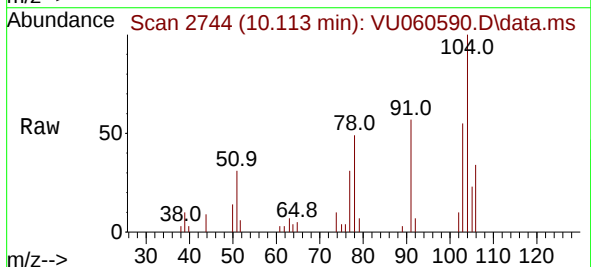
Instrument :  
MSVOA\_U  
ClientSampleId :

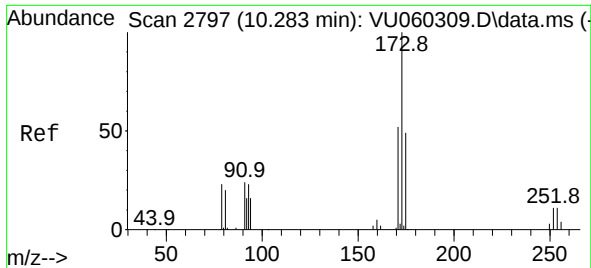
Tgt Ion:106 Resp: 5314  
Ion Ratio Lower Upper  
106 100  
91 214.1 108.8 326.4



#66  
Styrene  
Concen: 0.752 ug/l  
RT: 10.113 min Scan# 2744  
Delta R.T. 0.003 min  
Lab File: VU060590.D  
Acq: 03 Sep 2024 17:18

Tgt Ion:104 Resp: 7477  
Ion Ratio Lower Upper  
104 100  
78 57.3 39.0 58.6  
103 59.7 45.0 67.6

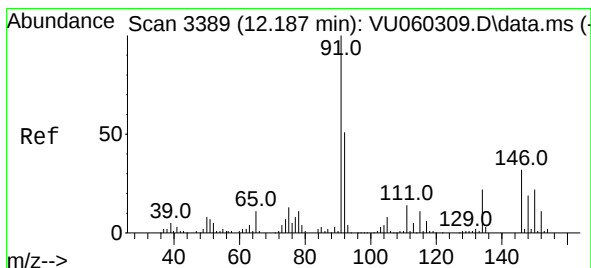
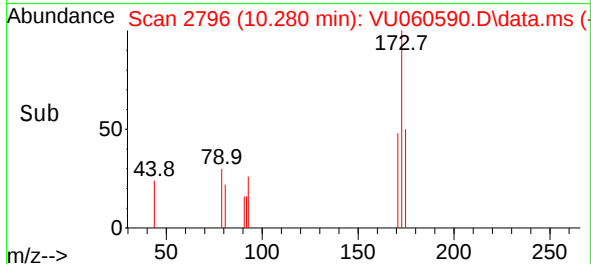
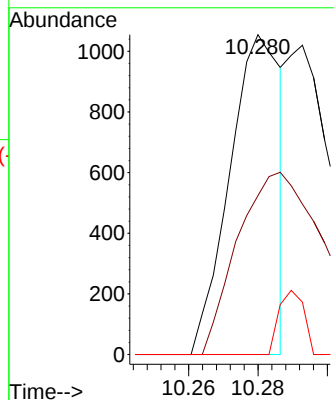
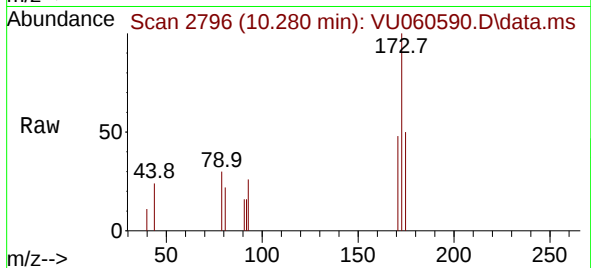




#67  
Bromoform  
Concen: 0.248 ug/l  
RT: 10.280 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VU060590.D  
Acq: 03 Sep 2024 17:18

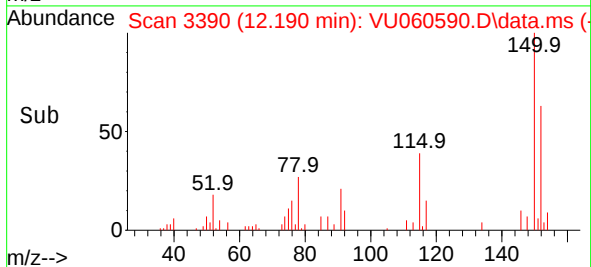
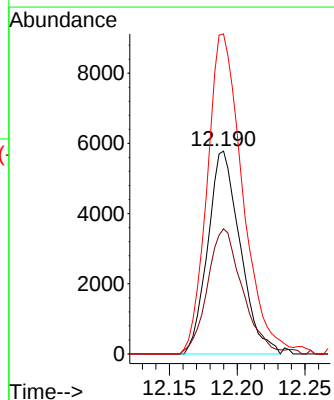
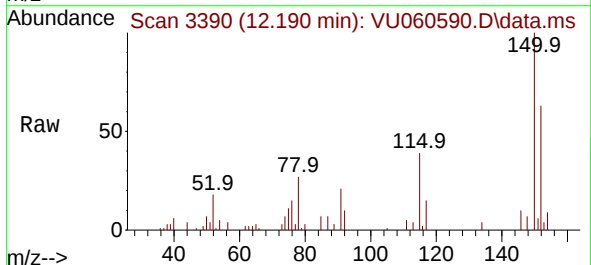
Instrument :  
MSVOA\_U  
ClientSampleId :

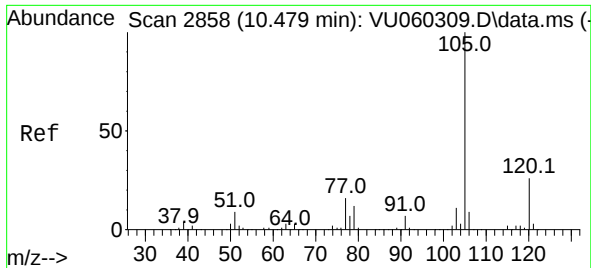
Tgt Ion:173 Resp: 1077  
Ion Ratio Lower Upper  
173 100  
175 98.7 39.7 59.5#  
254 9.8 8.2 12.4



#68  
1,2-Dichlorobenzene-d4  
Concen: 0.952 ug/l  
RT: 12.190 min Scan# 3390  
Delta R.T. 0.003 min  
Lab File: VU060590.D  
Acq: 03 Sep 2024 17:18

Tgt Ion:152 Resp: 9585  
Ion Ratio Lower Upper  
152 100  
115 66.8 0.0 325.2  
150 172.6 0.0 684.2





#69

Isopropylbenzene

Concen: 0.809 ug/l

RT: 10.479 min Scan# 2858

Delta R.T. 0.000 min

Lab File: VU060590.D

Acq: 03 Sep 2024 17:18

Instrument :

MSVOA\_U

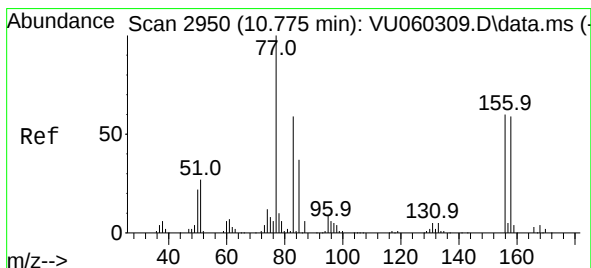
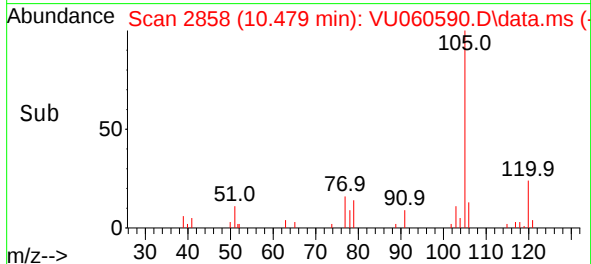
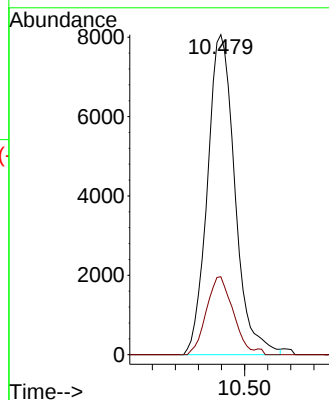
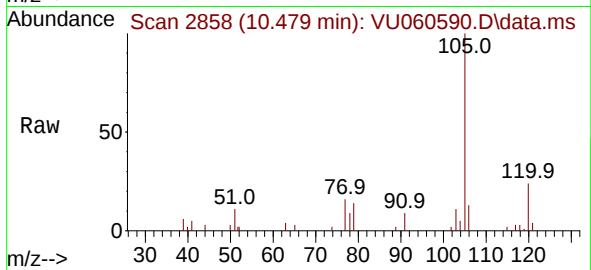
ClientSampleId :

Tgt Ion:105 Resp: 13334

Ion Ratio Lower Upper

105 100

120 23.9 13.0 39.0



#70

1,1,2,2-Tetrachloroethane

Concen: 0.444 ug/l

RT: 10.775 min Scan# 2950

Delta R.T. -0.000 min

Lab File: VU060590.D

Acq: 03 Sep 2024 17:18

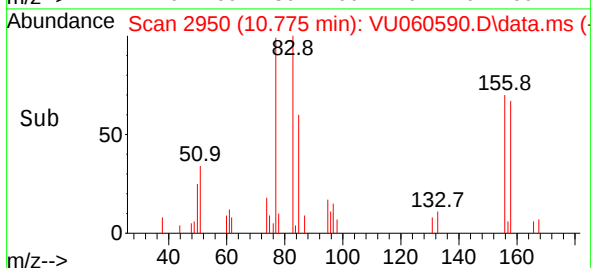
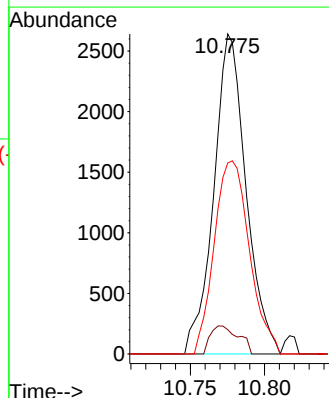
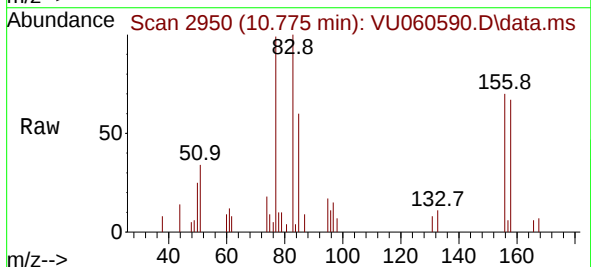
Tgt Ion: 83 Resp: 3990

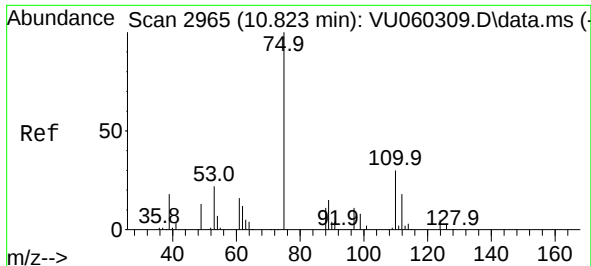
Ion Ratio Lower Upper

83 100

131 7.6 7.1 10.7

85 65.9 50.9 76.3

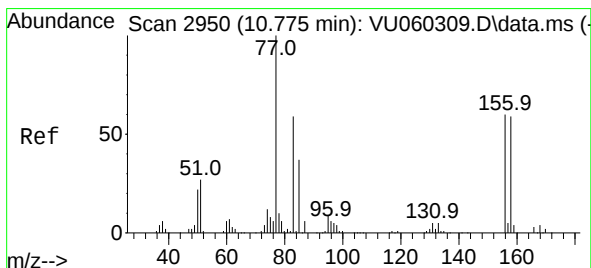
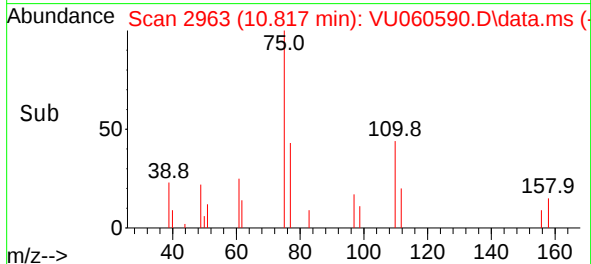
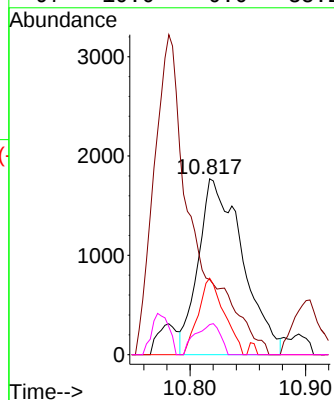
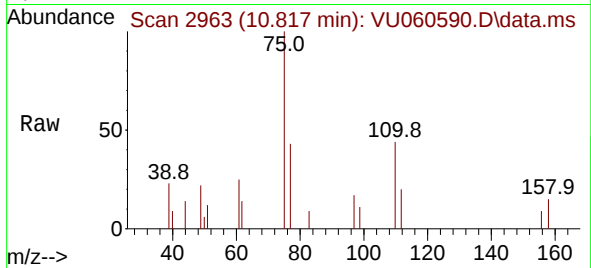




#71  
1,2,3-Trichloropropane  
Concen: 0.705 ug/l  
RT: 10.817 min Scan# 2963  
Delta R.T. -0.007 min  
Lab File: VU060590.D  
Acq: 03 Sep 2024 17:18

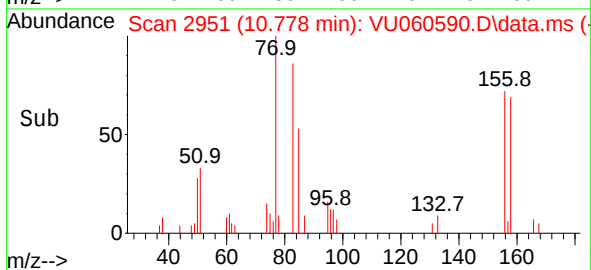
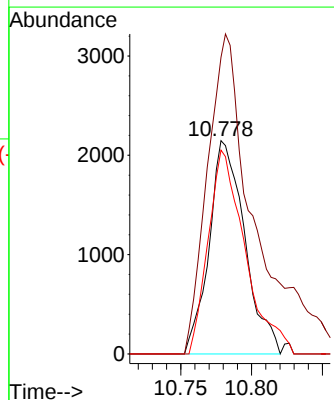
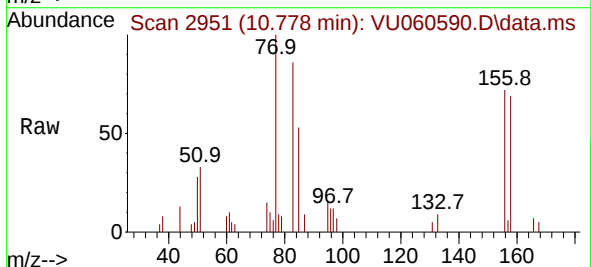
Instrument :  
MSVOA\_U  
ClientSampleId :

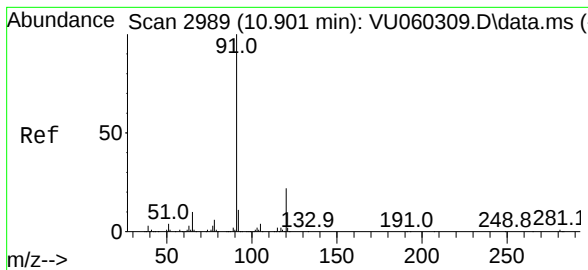
|             |             |
|-------------|-------------|
| Tgt Ion: 75 | Resp: 4688  |
| Ion Ratio   | Lower Upper |
| 75 100      |             |
| 77 0.0      | 0.0 102.2   |
| 110 25.5    | 0.0 67.4    |
| 97 10.0     | 0.0 38.2    |



#72  
Bromobenzene  
Concen: 0.453 ug/l  
RT: 10.778 min Scan# 2951  
Delta R.T. 0.003 min  
Lab File: VU060590.D  
Acq: 03 Sep 2024 17:18

|             |       |       |       |
|-------------|-------|-------|-------|
| Tgt Ion:156 | Resp: | 3753  |       |
| Ion         | Ratio | Lower | Upper |
| 156         | 100   |       |       |
| 77          | 201.1 | 0.0   | 327.2 |
| 158         | 98.9  | 0.0   | 193.8 |

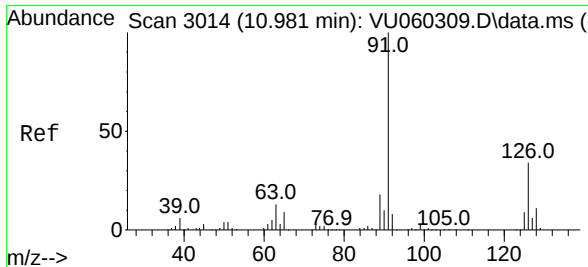
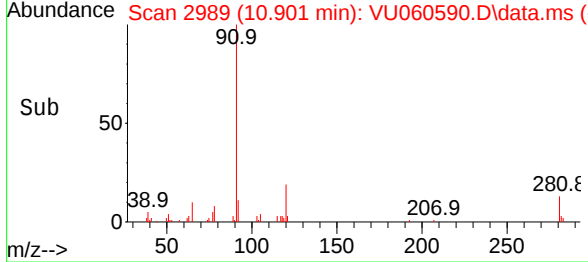
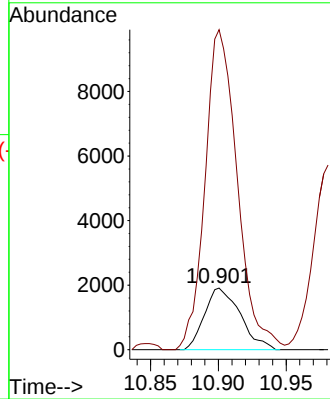
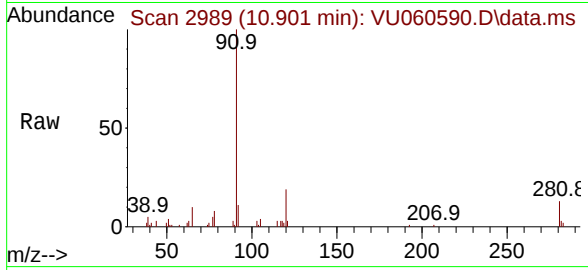




#73  
n-propylbenzene  
Concen: 0.793 ug/l  
RT: 10.901 min Scan# 2989  
Delta R.T. -0.000 min  
Lab File: VU060590.D  
Acq: 03 Sep 2024 17:18

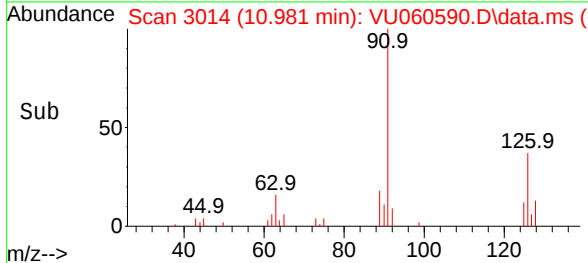
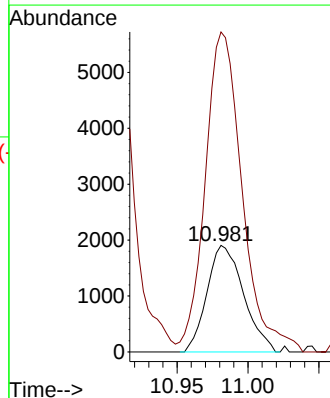
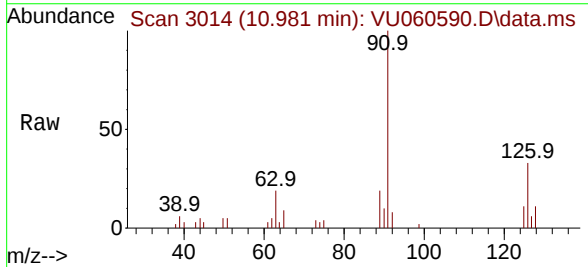
Instrument :  
MSVOA\_U  
ClientSampleId :

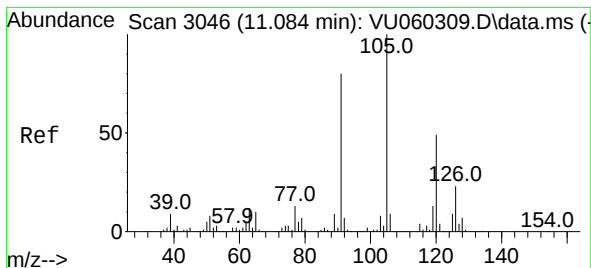
Tgt Ion:120 Resp: 3501  
Ion Ratio Lower Upper  
120 100  
91 468.9 362.2 543.2



#74  
2-Chlorotoluene  
Concen: 0.659 ug/l  
RT: 10.981 min Scan# 3014  
Delta R.T. -0.000 min  
Lab File: VU060590.D  
Acq: 03 Sep 2024 17:18

Tgt Ion:126 Resp: 3421  
Ion Ratio Lower Upper  
126 100  
91 303.5 0.0 585.6





#75

1,3,5-Trimethylbenzene

Concen: 0.756 ug/l

RT: 11.084 min Scan# 3046

Delta R.T. -0.000 min

Lab File: VU060590.D

Acq: 03 Sep 2024 17:18

Instrument :

MSVOA\_U

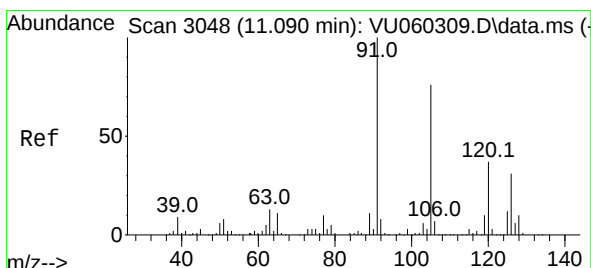
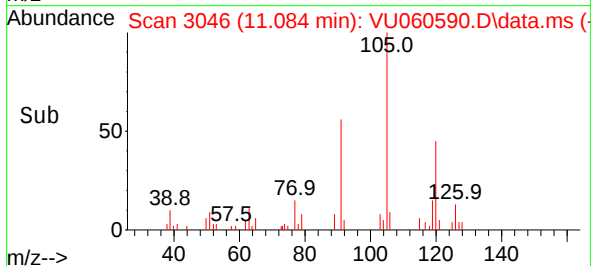
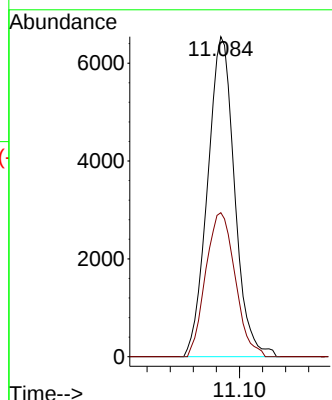
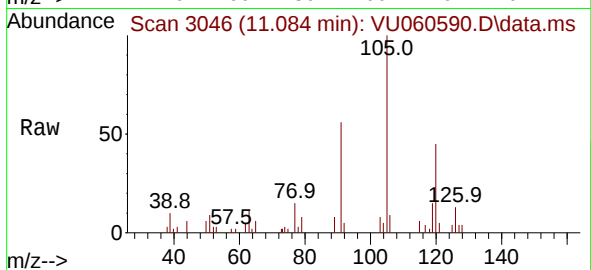
ClientSampleId :

Tgt Ion:105 Resp: 10633

Ion Ratio Lower Upper

105 100

120 48.9 38.6 57.8



#76

4-Chlorotoluene

Concen: 0.654 ug/l

RT: 11.093 min Scan# 3049

Delta R.T. 0.003 min

Lab File: VU060590.D

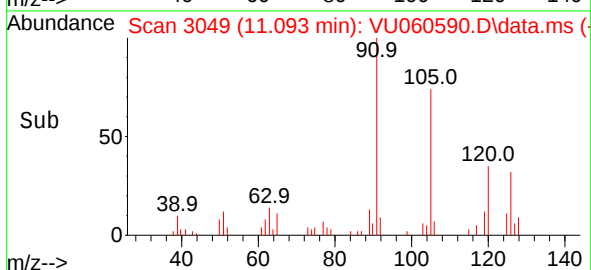
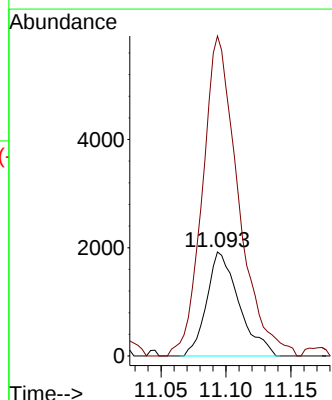
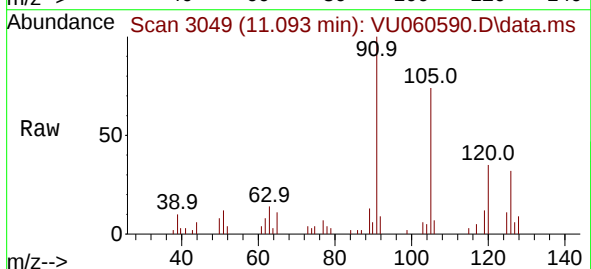
Acq: 03 Sep 2024 17:18

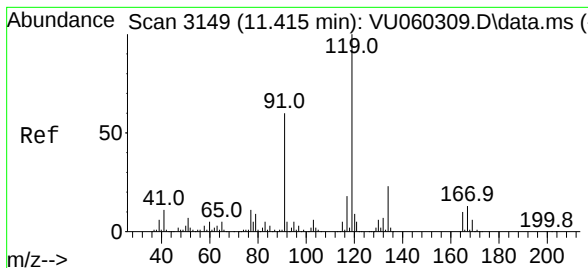
Tgt Ion:126 Resp: 3325

Ion Ratio Lower Upper

126 100

91 340.5 0.0 669.4





#77

tert-Butylbenzene

Concen: 0.795 ug/l

RT: 11.415 min Scan# 3149

Delta R.T. -0.000 min

Lab File: VU060590.D

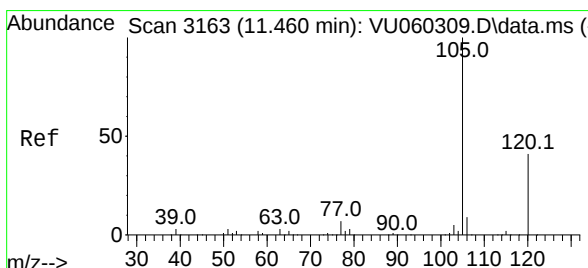
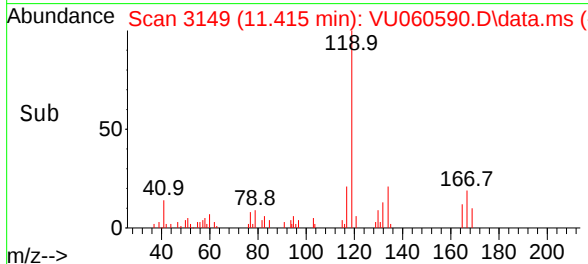
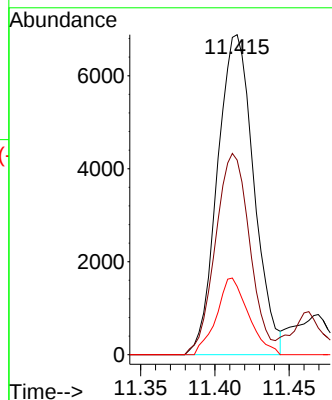
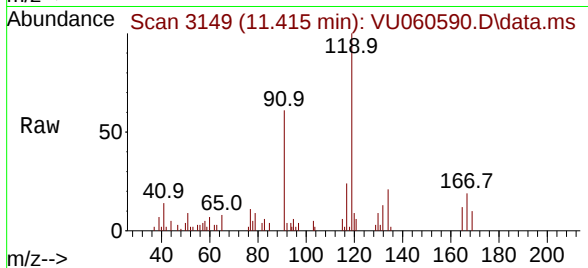
Acq: 03 Sep 2024 17:18

Instrument :

MSVOA\_U

ClientSampleId :

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 119   | Resp: | 11736 |
| Ion Ratio | Lower | Upper |       |
| 119       | 100   |       |       |
| 91        | 59.6  | 29.0  | 87.1  |
| 134       | 21.0  | 17.8  | 26.8  |



#78

1,2,4-Trimethylbenzene

Concen: 0.766 ug/l

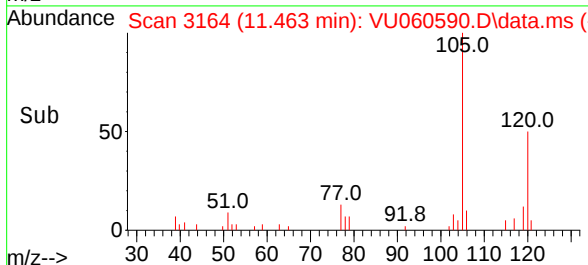
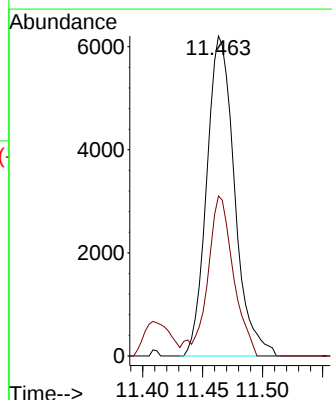
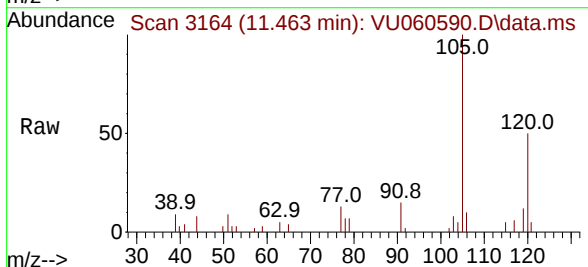
RT: 11.463 min Scan# 3164

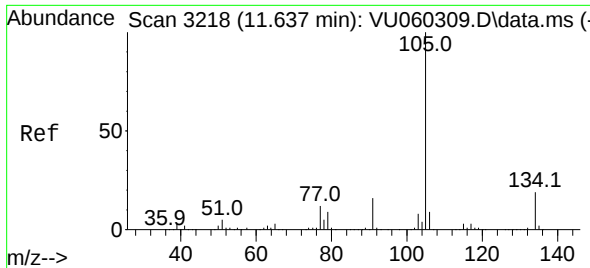
Delta R.T. 0.003 min

Lab File: VU060590.D

Acq: 03 Sep 2024 17:18

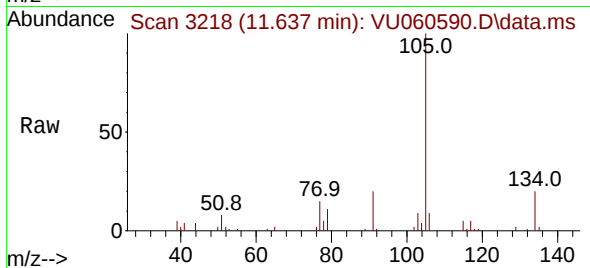
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 105   | Resp: | 10019 |
| Ion Ratio | Lower | Upper |       |
| 105       | 100   |       |       |
| 120       | 46.4  | 22.6  | 67.7  |



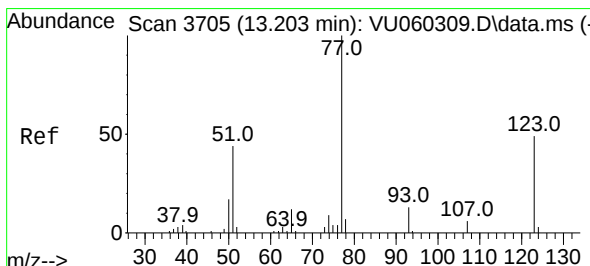
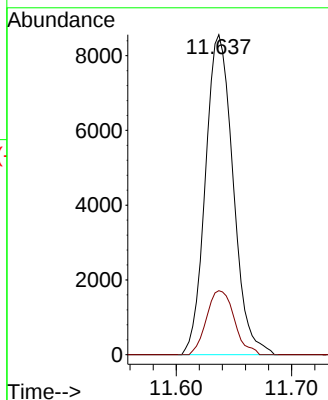
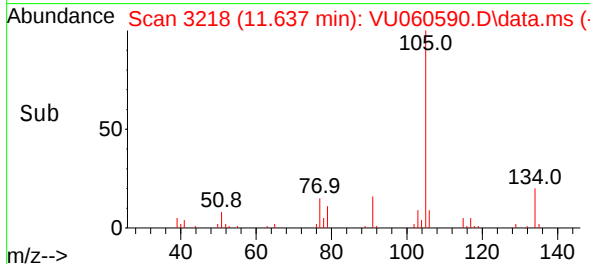


#79  
sec-Butylbenzene  
Concen: 0.762 ug/l  
RT: 11.637 min Scan# 3218  
Delta R.T. -0.000 min  
Lab File: VU060590.D  
Acq: 03 Sep 2024 17:18

Instrument :  
MSVOA\_U  
ClientSampleId :

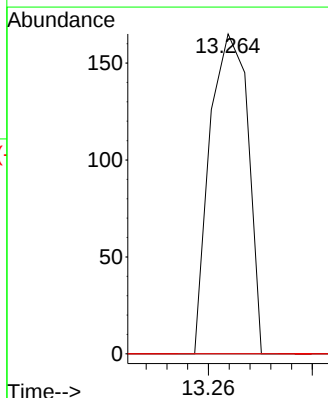
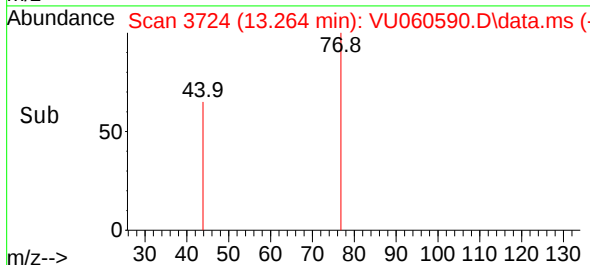
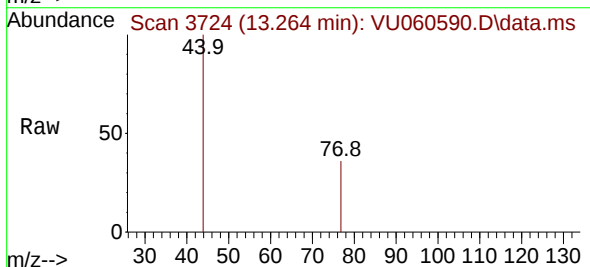


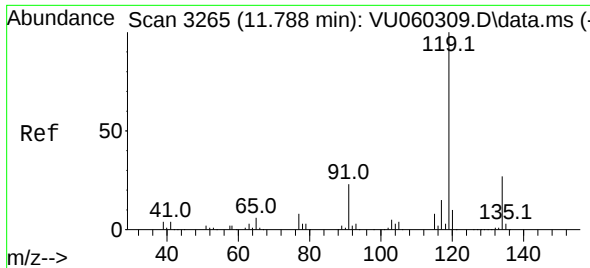
Tgt Ion:105 Resp: 14265  
Ion Ratio Lower Upper  
105 100  
134 20.1 15.5 23.3



#80  
Nitrobenzene  
Concen: 0.213 ug/l  
RT: 13.264 min Scan# 3724  
Delta R.T. 0.061 min  
Lab File: VU060590.D  
Acq: 03 Sep 2024 17:18

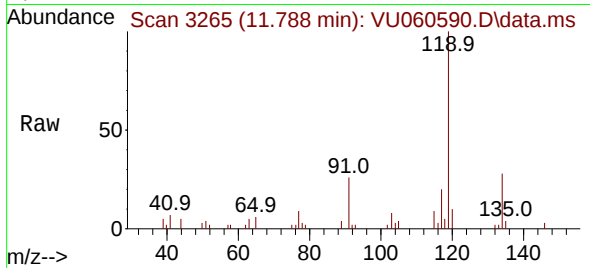
Tgt Ion: 77 Resp: 84  
Ion Ratio Lower Upper  
77 100  
123 0.0 19.6 69.6#  
65 0.0 9.0 11.4#



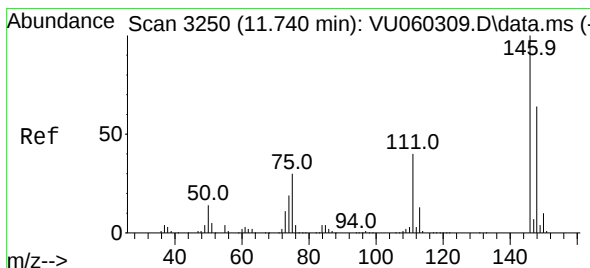
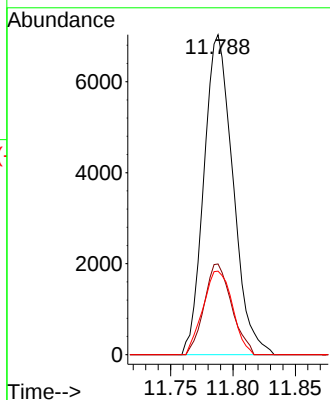
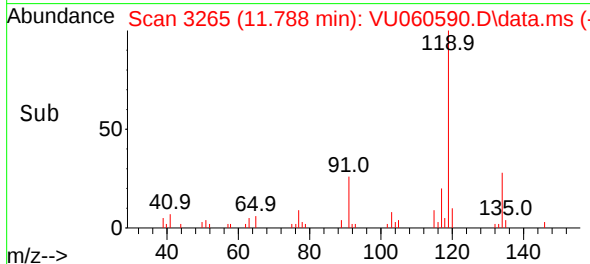


#81  
 p-Isopropyltoluene  
 Concen: 0.816 ug/l  
 RT: 11.788 min Scan# 31  
 Delta R.T. -0.000 min  
 Lab File: VU060590.D  
 Acq: 03 Sep 2024 17:18

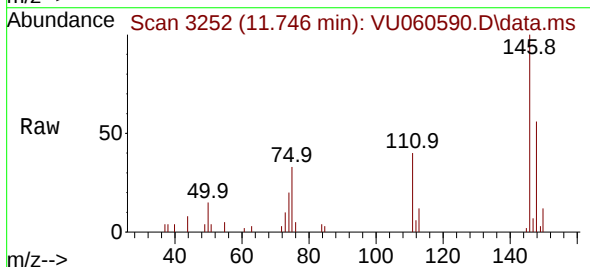
Instrument :  
 MSVOA\_U  
 ClientSampleId :



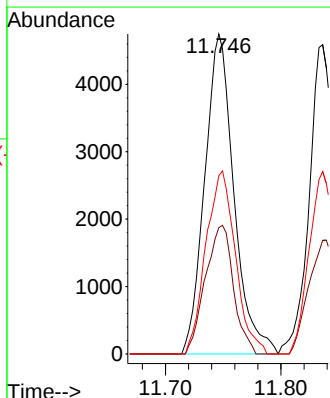
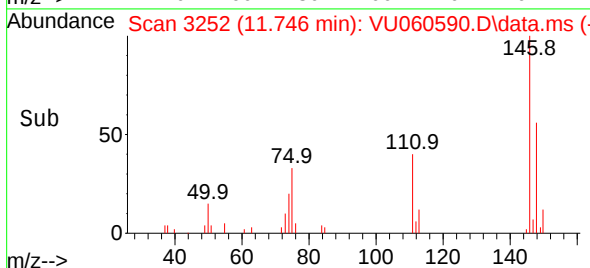
Tgt Ion:119 Resp: 11402  
 Ion Ratio Lower Upper  
 119 100  
 134 26.8 21.2 31.8  
 91 26.4 18.9 28.3

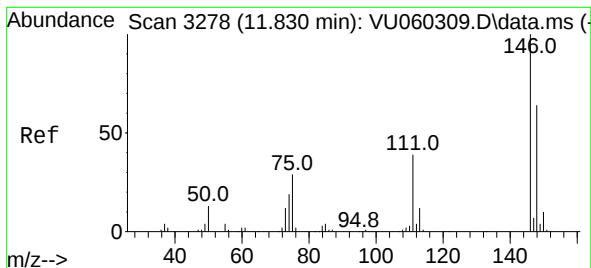


#82  
 1,3-Dichlorobenzene  
 Concen: 0.482 ug/l  
 RT: 11.746 min Scan# 3252  
 Delta R.T. 0.006 min  
 Lab File: VU060590.D  
 Acq: 03 Sep 2024 17:18



Tgt Ion:146 Resp: 8339  
 Ion Ratio Lower Upper  
 146 100  
 111 38.7 32.0 48.0  
 148 57.9 51.4 77.0





#83

1,4-Dichlorobenzene

Concen: 0.448 ug/l

RT: 11.836 min Scan# 31

Delta R.T. 0.006 min

Lab File: VU060590.D

Acq: 03 Sep 2024 17:18

Instrument :

MSVOA\_U

ClientSampleId :

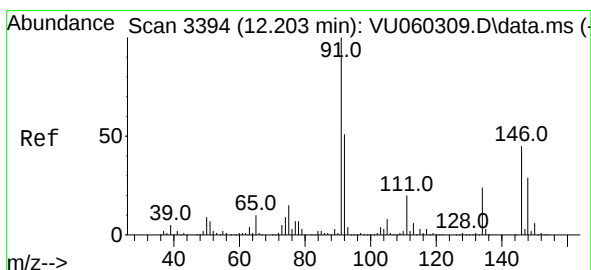
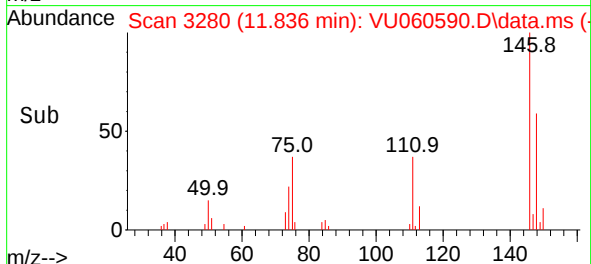
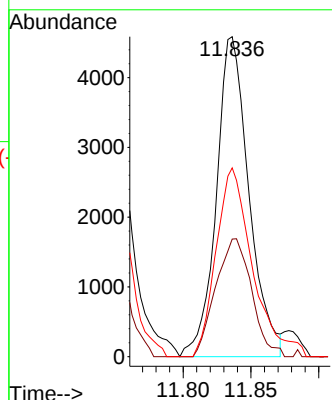
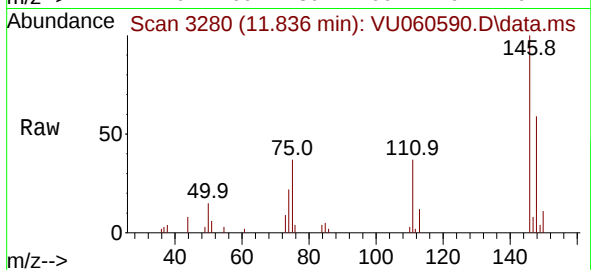
Tgt Ion:146 Resp: 7685

Ion Ratio Lower Upper

146 100

111 40.4 30.9 46.3

148 65.7 51.8 77.6



#84

n-Butylbenzene

Concen: 0.814 ug/l

RT: 12.206 min Scan# 3395

Delta R.T. 0.003 min

Lab File: VU060590.D

Acq: 03 Sep 2024 17:18

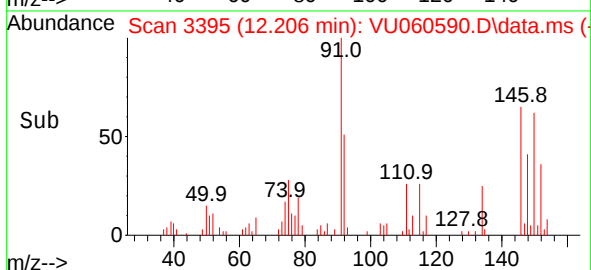
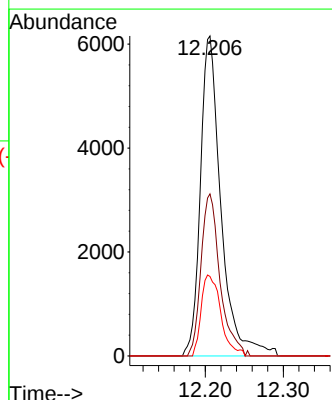
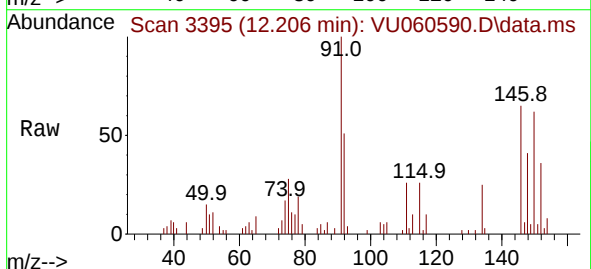
Tgt Ion: 91 Resp: 11289

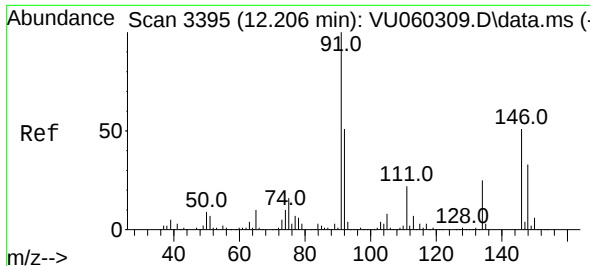
Ion Ratio Lower Upper

91 100

92 46.8 41.0 61.6

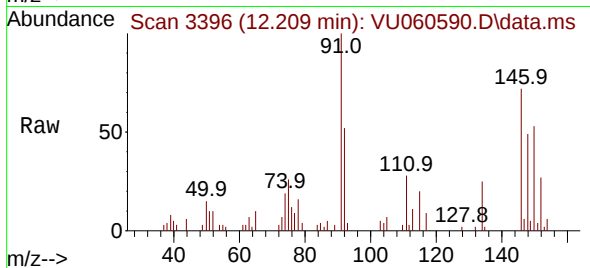
134 24.0 19.4 29.2



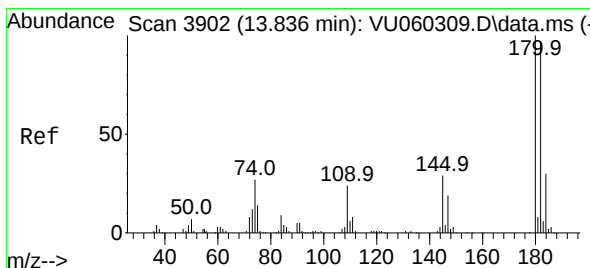
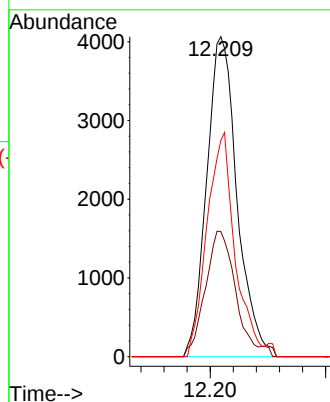
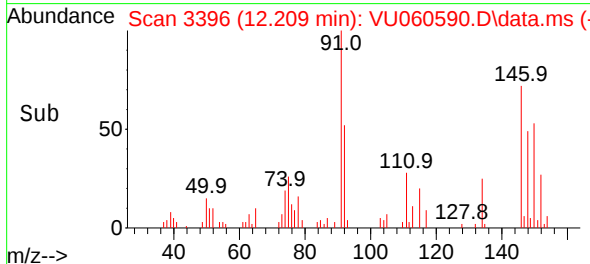


#85  
1,2-Dichlorobenzene  
Concen: 0.444 ug/l  
RT: 12.209 min Scan# 3395  
Delta R.T. 0.003 min  
Lab File: VU060590.D  
Acq: 03 Sep 2024 17:18

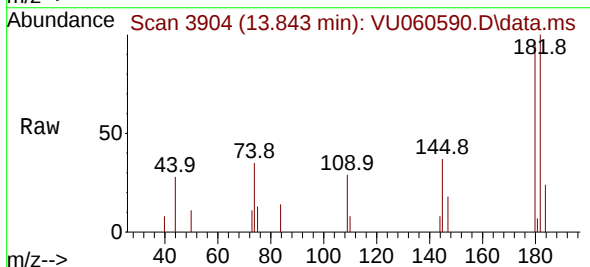
Instrument :  
MSVOA\_U  
ClientSampleId :



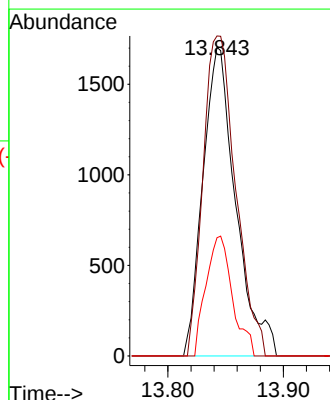
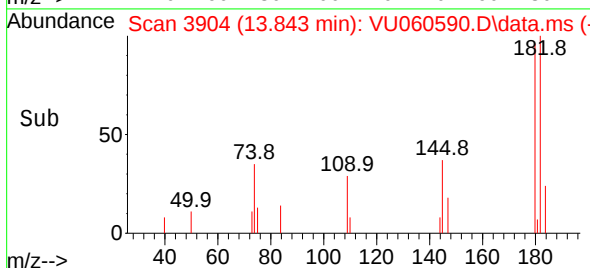
Tgt Ion:146 Resp: 7418  
Ion Ratio Lower Upper  
146 100  
111 39.5 21.3 63.7  
148 65.5 32.0 96.0

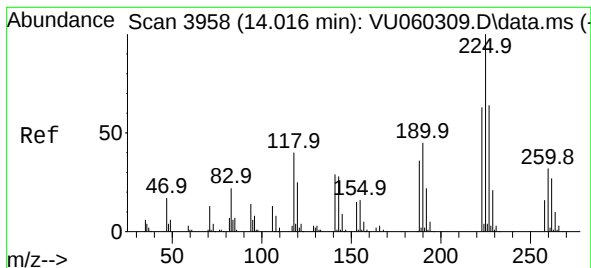


#87  
1,2,4-Trichlorobenzene  
Concen: 0.352 ug/l  
RT: 13.843 min Scan# 3904  
Delta R.T. 0.007 min  
Lab File: VU060590.D  
Acq: 03 Sep 2024 17:18



Tgt Ion:180 Resp: 3366  
Ion Ratio Lower Upper  
180 100  
182 102.9 76.8 115.2  
145 31.2 23.4 35.0





#88

Hexachlorobutadiene

Concen: 0.598 ug/l

RT: 14.013 min Scan# 3958

Delta R.T. -0.003 min

Lab File: VU060590.D

Acq: 03 Sep 2024 17:18

Instrument :

MSVOA\_U

ClientSampleId :

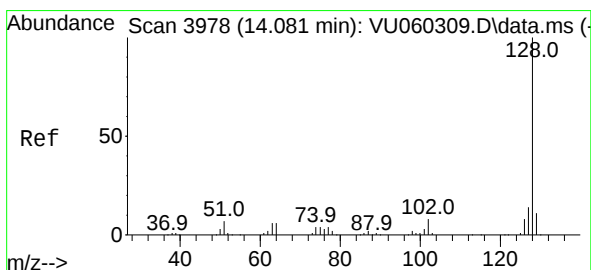
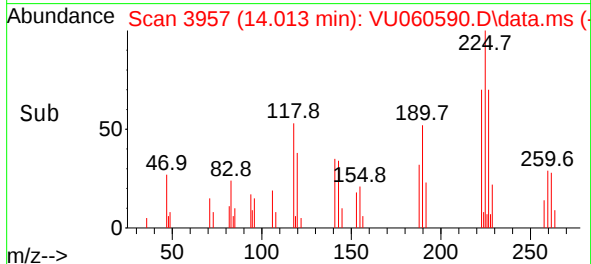
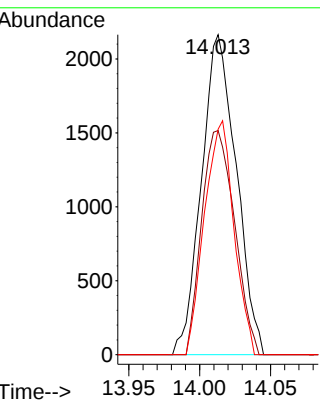
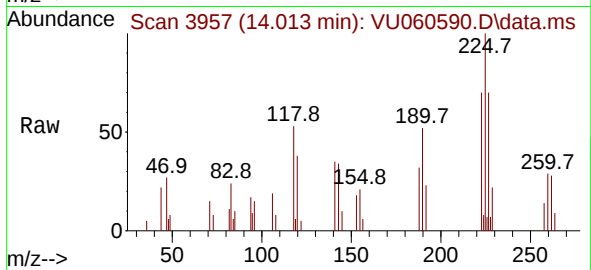
Tgt Ion:225 Resp: 3697

Ion Ratio Lower Upper

225 100

223 66.3 50.8 76.2

227 61.8 50.8 76.2



#89

Naphthalene

Concen: 0.205 ug/l

RT: 14.100 min Scan# 3984

Delta R.T. 0.019 min

Lab File: VU060590.D

Acq: 03 Sep 2024 17:18

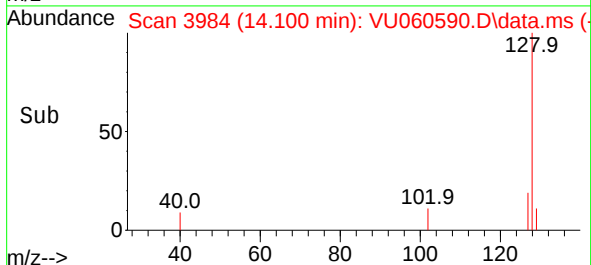
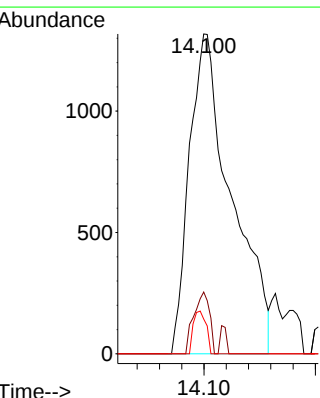
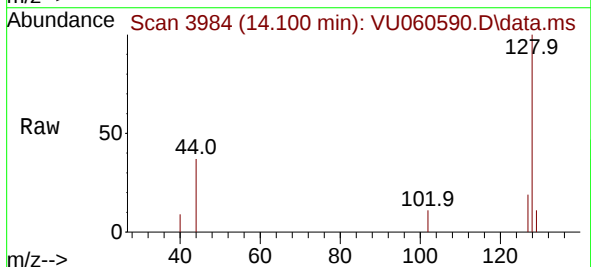
Tgt Ion:128 Resp: 3467

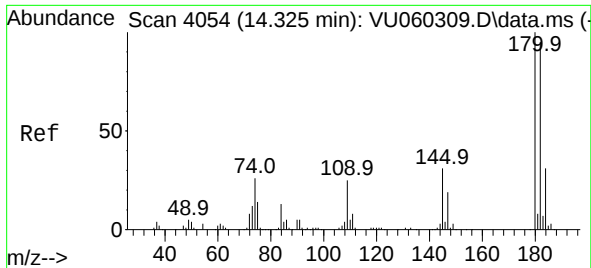
Ion Ratio Lower Upper

128 100

127 7.2 11.0 16.4#

129 4.0 8.6 12.8#





#90

1,2,3-Trichlorobenzene

Concen: 0.496 ug/l

RT: 14.328 min Scan# 4055

Delta R.T. 0.003 min

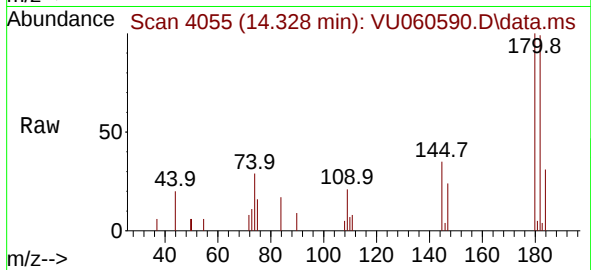
Lab File: VU060590.D

Acq: 03 Sep 2024 17:18

Instrument :

MSVOA\_U

ClientSampleId :



Tgt Ion:180 Resp: 4630

Ion Ratio Lower Upper

180 100

182 93.3 76.1 114.1

145 28.9 25.0 37.6

