

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU060524\  
 Data File : VU059156.D  
 Acq On : 05 Jun 2024 18:26  
 Operator : MD/SY  
 Sample : P2403-07  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Jun 06 04:01:36 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U060524DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Thu Jun 06 04:01:15 2024  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon | Response | Conc  | Units   | Dev(Min) |
|------------------------------|--------|------|----------|-------|---------|----------|
| -----                        |        |      |          |       |         |          |
| Internal Standards           |        |      |          |       |         |          |
| 1) Fluorobenzene             | 6.110  | 96   | 40154    | 1.000 | ug/l    | # 0.00   |
| System Monitoring Compounds  |        |      |          |       |         |          |
| 57) 4-Bromofluorobenzene     | 10.631 | 95   | 12282    | 0.899 | ug/l    | 0.00     |
| Spiked Amount                | 1.000  |      | Recovery | =     | 90.000% |          |
| 68) 1,2-Dichlorobenzene-d4   | 12.190 | 152  | 12008    | 0.840 | ug/l    | 0.00     |
| Spiked Amount                | 1.000  |      | Recovery | =     | 84.000% |          |
| Target Compounds             |        |      |          |       |         |          |
|                              |        |      |          |       |         | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.380  | 85   | 3232     | 0.257 | ug/l    | 96       |
| 3) Chloromethane             | 1.515  | 50   | 4120     | 0.272 | ug/l    | 93       |
| 4) Vinyl Chloride            | 1.599  | 62   | 4206     | 0.275 | ug/l    | 97       |
| 5) Bromomethane              | 1.853  | 94   | 2789     | 0.300 | ug/l    | 96       |
| 6) Chloroethane              | 1.930  | 64   | 2381     | 0.242 | ug/l    | # 73     |
| 7) Trichlorofluoromethane    | 2.136  | 101  | 4426     | 0.233 | ug/l    | 97       |
| 8) 1,1,2-Trichloro-1,2,2-... | 2.573  | 101  | 2658     | 0.272 | ug/l    | 96       |
| 9) 1,1-Dichloroethene        | 2.573  | 96   | 2850     | 0.295 | ug/l    | 98       |
| 10) Iodomethane              | 2.718  | 142  | 2781     | 0.229 | ug/l    | 91       |
| 11) Allyl Chloride           | 2.917  | 41   | 3541     | 0.271 | ug/l    | 97       |
| 12) Acrylonitrile            | 3.335  | 53   | 262      | 0.120 | ug/l    | # 34     |
| 13) Acetone                  | 2.641  | 43   | 976      | 0.294 | ug/l    | 91       |
| 14) Carbon Disulfide         | 2.785  | 76   | 9117     | 0.296 | ug/l    | 98       |
| 15) Methylene Chloride       | 3.039  | 84   | 13055    | 0.985 | ug/l    | 98       |
| 16) trans-1,2-Dichloroethene | 3.351  | 96   | 2803     | 0.266 | ug/l    | 84       |
| 17) 1,1-Dichloroethane       | 3.872  | 63   | 5646     | 0.255 | ug/l    | # 84     |
| 18) 2-Butanone               | 4.753  | 43   | 1208     | 0.328 | ug/l    | 76       |
| 19) Cyclohexane              | 5.380  | 56   | 3816     | 0.239 | ug/l    | # 91     |
| 20) Methylcyclohexane        | 6.759  | 83   | 3646     | 0.227 | ug/l    | 93       |
| 21) 2,2-Dichloropropane      | 4.663  | 77   | 3826     | 0.234 | ug/l    | 99       |
| 22) cis-1,2-Dichloroethene   | 4.663  | 96   | 3322     | 0.290 | ug/l    | 89       |
| 23) Diethyl Ether            | 2.374  | 59   | 2332     | 0.257 | ug/l    | # 88     |
| 24) tert-Butyl Alcohol       | 3.210  | 59   | 354      | 0.570 | ug/l    | # 89     |
| 25) Methyl tert-Butyl Ether  | 3.361  | 73   | 5960     | 0.257 | ug/l    | 97       |
| 26) Bromochloromethane       | 4.975  | 128  | 1350     | 0.279 | ug/l    | 88       |
| 27) Chloroform               | 5.081  | 83   | 5970     | 0.269 | ug/l    | 93       |
| 28) 1,1,1-Trichloroethane    | 5.309  | 97   | 4714     | 0.269 | ug/l    | 89       |
| 29) 1,1-Dichloropropene      | 5.525  | 75   | 3535     | 0.241 | ug/l    | 93       |
| 30) Carbon Tetrachloride     | 5.512  | 117  | 1779     | 0.124 | ug/l    | # 95     |
| 31) Isopropyl Ether          | 3.988  | 45   | 7237     | 0.250 | ug/l    | 69       |
| 32) Ethyl-t-butyl ether      | 4.496  | 59   | 6752     | 0.250 | ug/l    | 98       |
| 33) Tert-Amyl methyl ether   | 5.936  | 73   | 5265     | 0.221 | ug/l    | 98       |
| 34) Propionitrile            | 4.837  | 54   | 467      | 0.553 | ug/l    | # 65     |
| 35) Benzene                  | 5.772  | 78   | 11052    | 0.239 | ug/l    | 97       |
| 36) 1,2-Dichloroethane       | 5.798  | 62   | 3529     | 0.258 | ug/l    | # 84     |
| 37) Trichloroethene          | 6.541  | 130  | 3126     | 0.284 | ug/l    | 95       |
| 38) 1,2-Dichloropropane      | 6.785  | 63   | 3161     | 0.241 | ug/l    | 100      |
| 39) Methacrylonitrile        | 4.988  | 41   | 109      | 0.035 | ug/l    | # 1      |
| 40) Methyl acrylate          | 4.898  | 55   | 647      | 0.117 | ug/l    | # 71     |
| 41) Tetrahydrofuran          | 5.091  | 42   | 569      | 0.338 | ug/l    | # 45     |
| 42) 1-Chlorobutane           | 5.457  | 56   | 4975     | 0.245 | ug/l    | 98       |
| 43) Dibromomethane           | 6.917  | 93   | 1827     | 0.308 | ug/l    | 88       |
| 44) Bromodichloromethane     | 7.103  | 83   | 3851     | 0.250 | ug/l    | 93       |

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 Sample : P2403-07  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 18 Sample Multiplier: 1

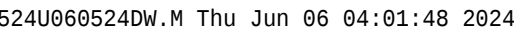
Instrument :  
 MSVOA\_U  
 ClientSampleId :

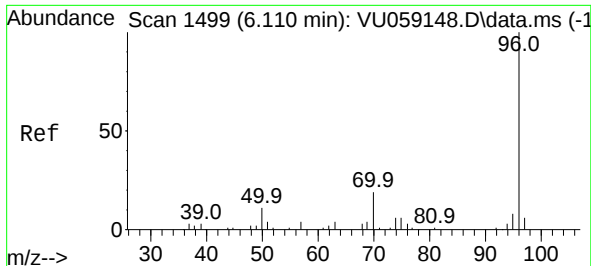
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U060524DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Thu Jun 06 04:01:15 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 45) 4-Methyl-2-Pentanone      | 7.795  | 43   | 8044     | 1.264 | ug/l # | 95       |
| 46) t-1,4-Dichloro-2-butene   | 10.824 | 75   | 2773     | 1.027 | ug/l # | 39       |
| 47) Methyl methacrylate       | 6.968  | 69   | 1779     | 0.349 | ug/l # | 73       |
| 48) Ethyl methacrylate        | 8.338  | 69   | 1864     | 0.207 | ug/l   | 97       |
| 49) Toluene                   | 7.972  | 92   | 5652     | 0.222 | ug/l   | 88       |
| 50) t-1,3-Dichloropropene     | 8.213  | 75   | 3189     | 0.242 | ug/l # | 89       |
| 51) cis-1,3-Dichloropropene   | 7.605  | 75   | 4013     | 0.249 | ug/l   | 96       |
| 52) 1,1,2-Trichloroethane     | 8.396  | 97   | 2181     | 0.249 | ug/l # | 75       |
| 53) 1,3-Dichloropropane       | 8.576  | 76   | 3992     | 0.264 | ug/l   | 95       |
| 54) 2-Hexanone                | 8.698  | 43   | 5276     | 1.070 | ug/l   | 88       |
| 55) Dibromochloromethane      | 8.804  | 129  | 2233     | 0.235 | ug/l   | 94       |
| 56) 1,2-Dibromoethane         | 8.920  | 107  | 1954     | 0.254 | ug/l   | 81       |
| 58) Tetrachloroethene         | 8.550  | 164  | 2714     | 0.267 | ug/l   | 94       |
| 59) Chlorobenzene             | 9.451  | 112  | 7634     | 0.274 | ug/l   | 97       |
| 60) 1,1,1,2-Tetrachloroethane | 9.531  | 131  | 2491     | 0.250 | ug/l   | 97       |
| 61) Pentachloroethane         | 11.422 | 117  | 1847     | 0.239 | ug/l   | 84       |
| 62) Hexachloroethane          | 12.467 | 117  | 1884     | 0.240 | ug/l   | 100      |
| 63) Ethyl Benzene             | 9.570  | 91   | 11047    | 0.235 | ug/l   | 99       |
| 64) m/p-Xylenes               | 9.695  | 106  | 7285     | 0.411 | ug/l   | 96       |
| 65) o-Xylene                  | 10.097 | 106  | 3619     | 0.207 | ug/l   | 99       |
| 66) Styrene                   | 10.119 | 104  | 5547     | 0.199 | ug/l   | 97       |
| 67) Bromoform                 | 10.287 | 173  | 1404     | 0.273 | ug/l # | 83       |
| 69) Isopropylbenzene          | 10.480 | 105  | 9311     | 0.208 | ug/l   | 95       |
| 70) 1,1,2,2-Tetrachloroethane | 10.779 | 83   | 3185     | 0.289 | ug/l # | 92       |
| 71) 1,2,3-Trichloropropane    | 10.824 | 75   | 2773     | 0.330 | ug/l # | 89       |
| 72) Bromobenzene              | 10.788 | 156  | 3129     | 0.292 | ug/l   | 95       |
| 73) n-propylbenzene           | 10.904 | 120  | 2434     | 0.203 | ug/l   | 82       |
| 74) 2-Chlorotoluene           | 10.988 | 126  | 2192     | 0.200 | ug/l   | 97       |
| 75) 1,3,5-Trimethylbenzene    | 11.087 | 105  | 7226     | 0.191 | ug/l   | 91       |
| 76) 4-Chlorotoluene           | 11.100 | 126  | 2660     | 0.233 | ug/l   | 85       |
| 77) tert-Butylbenzene         | 11.418 | 119  | 7607     | 0.212 | ug/l   | 98       |
| 78) 1,2,4-Trimethylbenzene    | 11.467 | 105  | 6590     | 0.173 | ug/l   | 98       |
| 79) sec-Butylbenzene          | 11.640 | 105  | 9421     | 0.189 | ug/l   | 98       |
| 80) Nitrobenzene              | 13.241 | 77   | 252      | 1.067 | ug/l # | 63       |
| 81) p-Isopropyltoluene        | 11.788 | 119  | 7148     | 0.187 | ug/l   | 96       |
| 82) 1,3-Dichlorobenzene       | 11.746 | 146  | 5915     | 0.260 | ug/l   | 97       |
| 83) 1,4-Dichlorobenzene       | 11.836 | 146  | 6304     | 0.277 | ug/l   | 92       |
| 84) n-Butylbenzene            | 12.209 | 91   | 8060     | 0.224 | ug/l   | 96       |
| 85) 1,2-Dichlorobenzene       | 12.213 | 146  | 5806     | 0.271 | ug/l   | 98       |
| 86) 1,2-Dibromo-3-Chloropr... | 13.007 | 75   | 390      | 0.260 | ug/l # | 88       |
| 87) 1,2,4-Trichlorobenzene    | 13.843 | 180  | 4286     | 0.373 | ug/l   | 98       |
| 88) Hexachlorobutadiene       | 14.016 | 225  | 2037     | 0.284 | ug/l   | 96       |
| 89) Naphthalene               | 14.094 | 128  | 10568    | 0.580 | ug/l # | 93       |
| 90) 1,2,3-Trichlorobenzene    | 14.331 | 180  | 4582     | 0.439 | ug/l   | 94       |

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

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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
QLast Update : Thu Jun 06 04:01:15 2024  
Response via : Initial Calibration

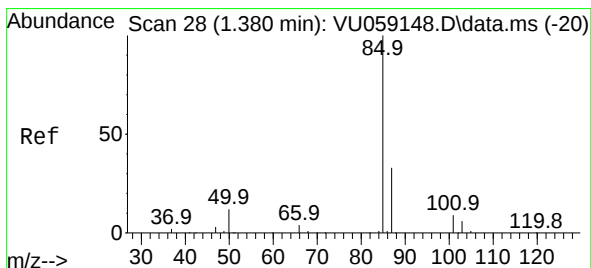
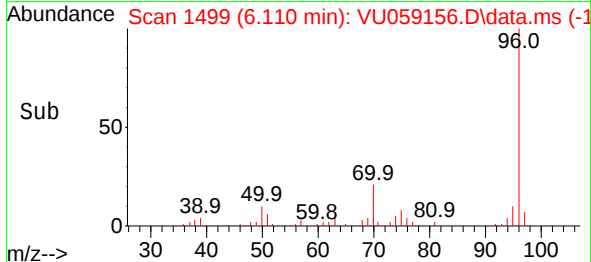
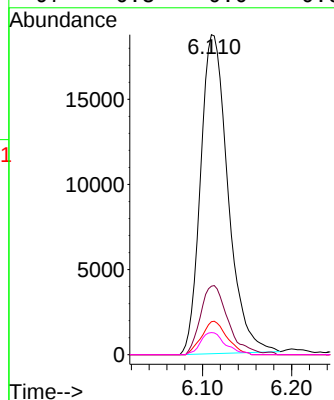
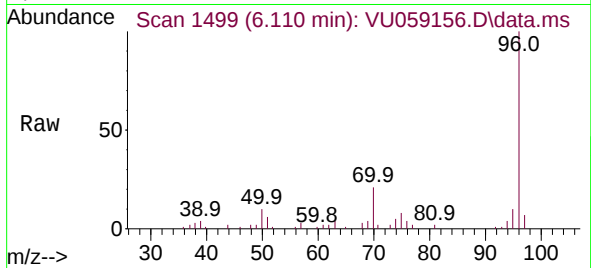




#1  
Fluorobenzene  
Concen: 1.000 ug/l  
RT: 6.110 min Scan# 1499  
Delta R.T. -0.000 min  
Lab File: VU059156.D  
Acq: 05 Jun 2024 18:26

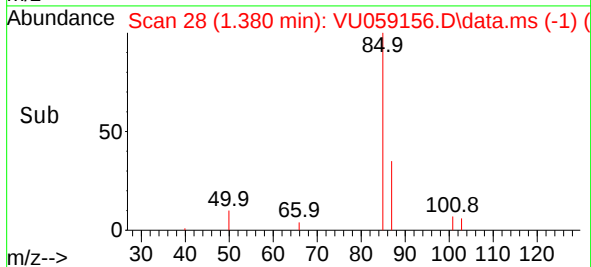
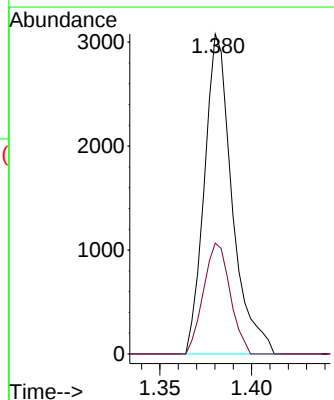
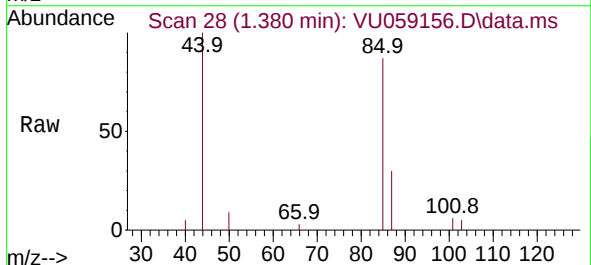
Instrument :  
MSVOA\_U  
ClientSampleId :

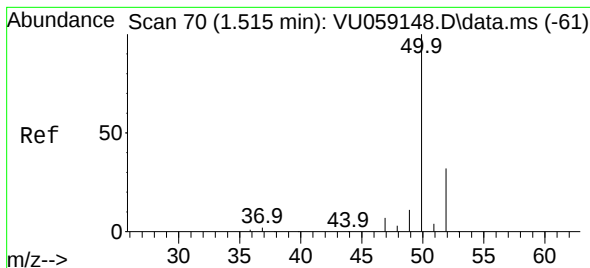
|             |             |
|-------------|-------------|
| Tgt Ion: 96 | Resp: 40154 |
| Ion Ratio   | Lower Upper |
| 96 100      |             |
| 70 20.8     | 16.6 24.8   |
| 95 9.7      | 7.1 10.7    |
| 97 6.3      | 0.0 0.0#    |



#2  
Dichlorodifluoromethane  
Concen: 0.257 ug/l  
RT: 1.380 min Scan# 28  
Delta R.T. 0.000 min  
Lab File: VU059156.D  
Acq: 05 Jun 2024 18:26

|             |             |
|-------------|-------------|
| Tgt Ion: 85 | Resp: 3232  |
| Ion Ratio   | Lower Upper |
| 85 100      |             |
| 87 34.7     | 16.3 48.9   |





#3

Chloromethane

Concen: 0.272 ug/l

RT: 1.515 min Scan# 70

Delta R.T. 0.000 min

Lab File: VU059156.D

Acq: 05 Jun 2024 18:26

Instrument :

MSVOA\_U

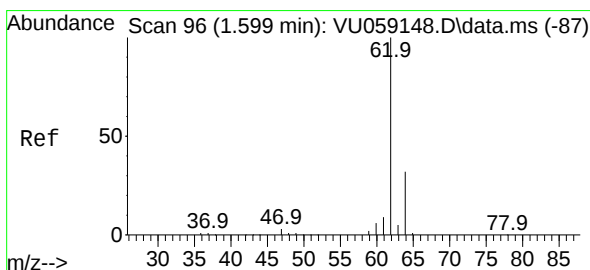
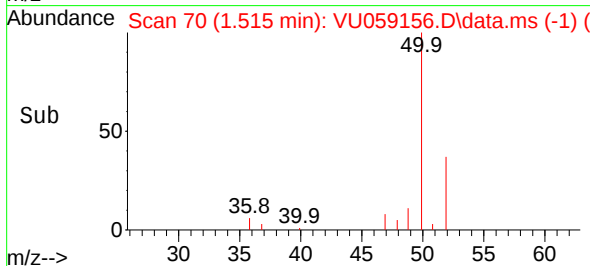
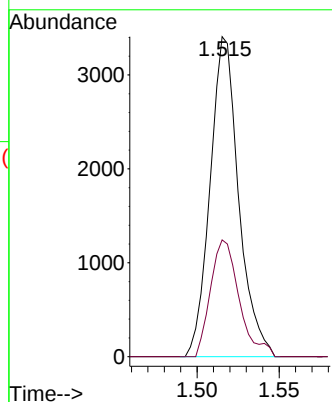
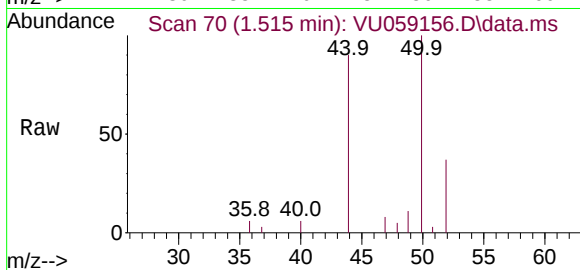
ClientSampleId :

Tgt Ion: 50 Resp: 4120

Ion Ratio Lower Upper

50 100

52 36.5 26.0 39.0



#4

Vinyl Chloride

Concen: 0.275 ug/l

RT: 1.599 min Scan# 96

Delta R.T. 0.000 min

Lab File: VU059156.D

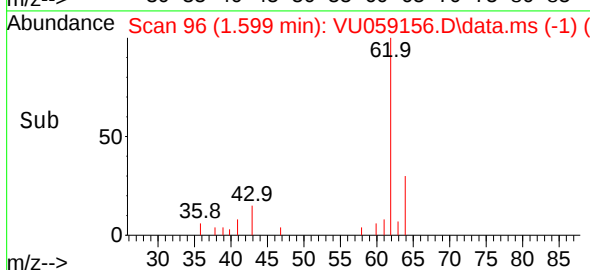
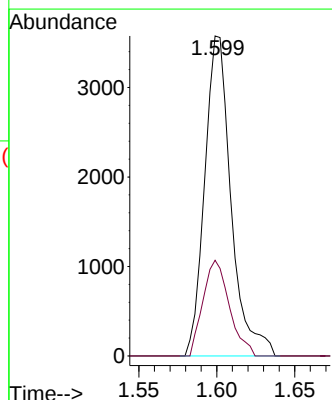
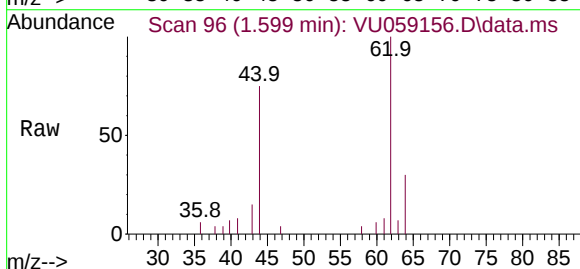
Acq: 05 Jun 2024 18:26

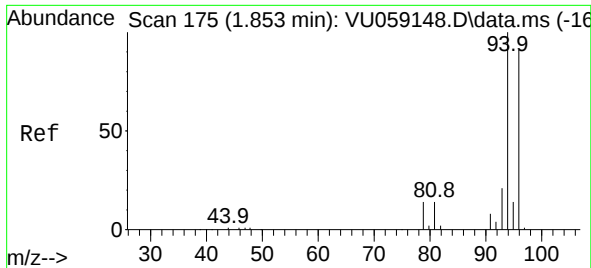
Tgt Ion: 62 Resp: 4206

Ion Ratio Lower Upper

62 100

64 29.9 25.2 37.8

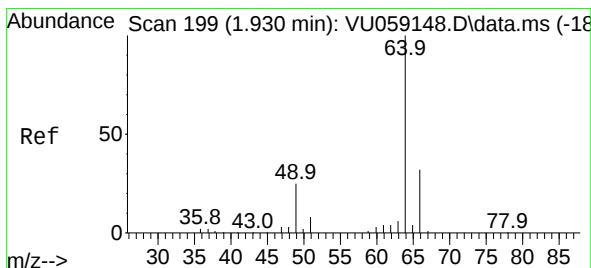
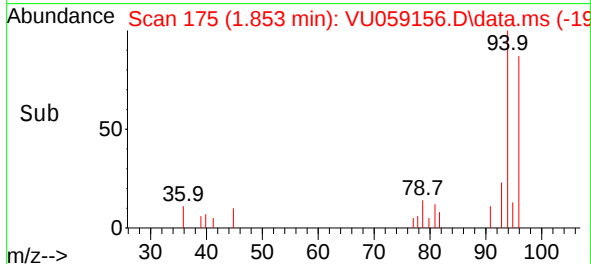
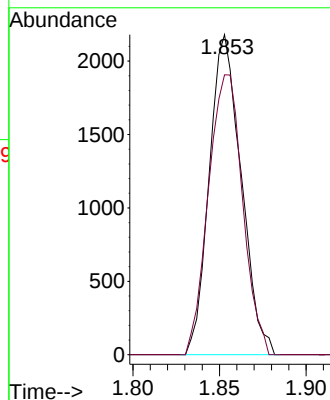
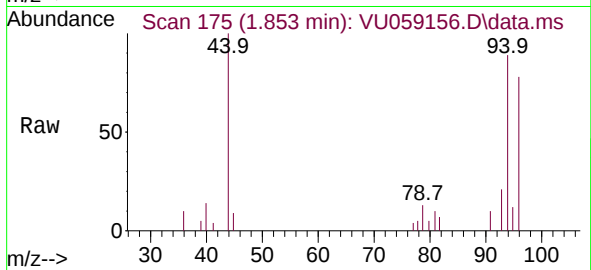




#5  
Bromomethane  
Concen: 0.300 ug/l  
RT: 1.853 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VU059156.D  
Acq: 05 Jun 2024 18:26

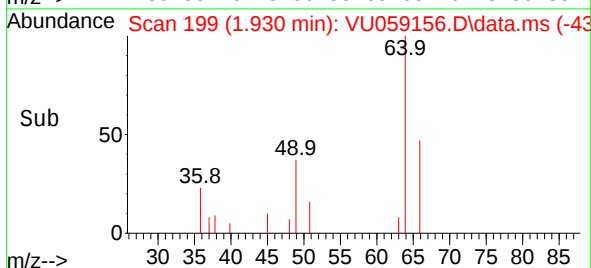
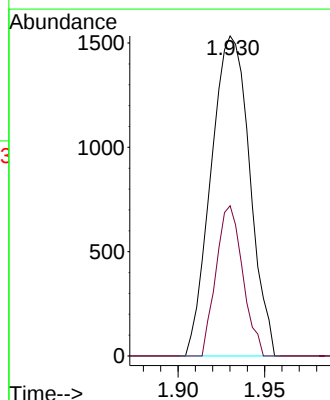
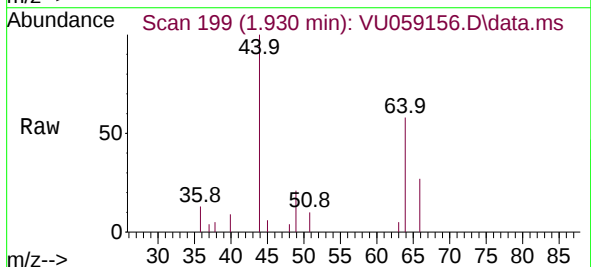
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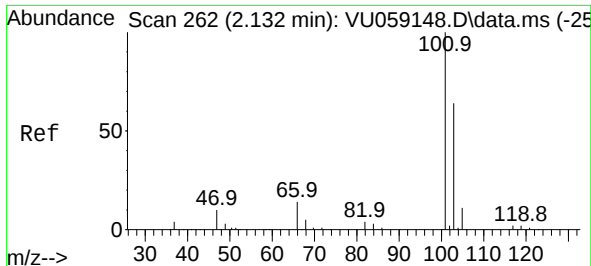
Tgt Ion: 94 Resp: 2789  
Ion Ratio Lower Upper  
94 100  
96 87.4 72.7 109.1



#6  
Chloroethane  
Concen: 0.242 ug/l  
RT: 1.930 min Scan# 199  
Delta R.T. 0.000 min  
Lab File: VU059156.D  
Acq: 05 Jun 2024 18:26

Tgt Ion: 64 Resp: 2381  
Ion Ratio Lower Upper  
64 100  
66 46.9 25.5 38.3#

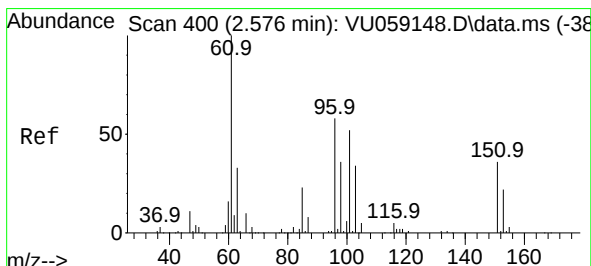
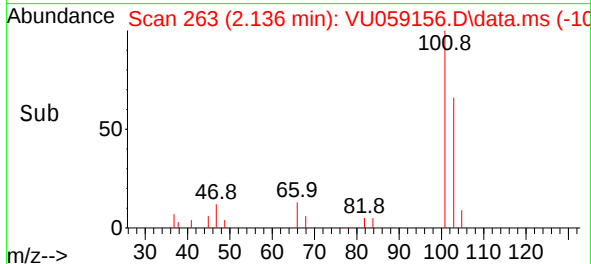
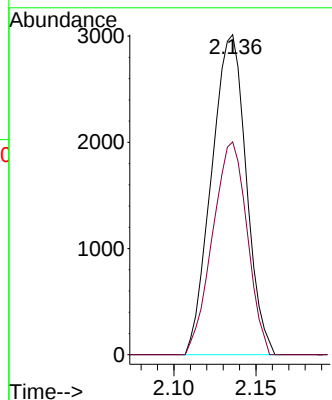
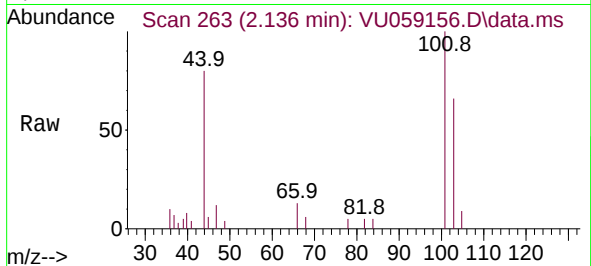




#7  
Trichlorofluoromethane  
Concen: 0.233 ug/l  
RT: 2.136 min Scan# 2  
Delta R.T. 0.003 min  
Lab File: VU059156.D  
Acq: 05 Jun 2024 18:26

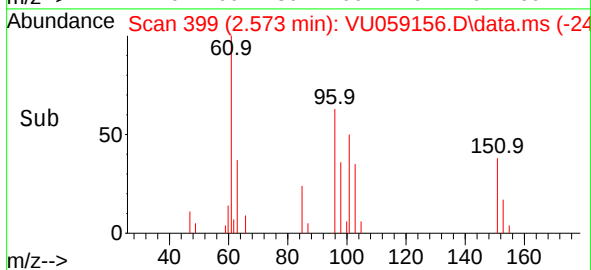
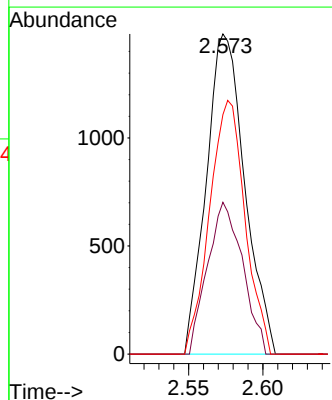
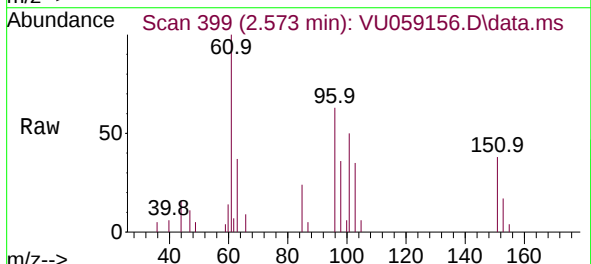
Instrument :  
MSVOA\_U  
ClientSampleId :

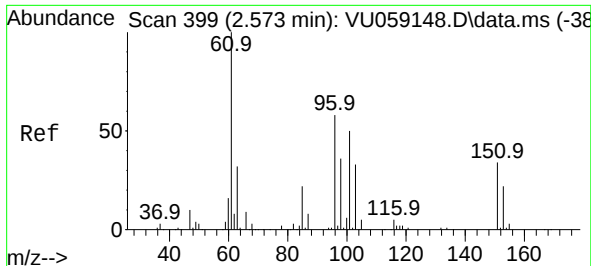
Tgt Ion:101 Resp: 4426  
Ion Ratio Lower Upper  
101 100  
103 66.5 51.1 76.7



#8  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 0.272 ug/l  
RT: 2.573 min Scan# 399  
Delta R.T. -0.003 min  
Lab File: VU059156.D  
Acq: 05 Jun 2024 18:26

Tgt Ion:101 Resp: 2658  
Ion Ratio Lower Upper  
101 100  
85 43.5 36.1 54.1  
151 73.4 55.0 82.6





#9

1,1-Dichloroethene

Concen: 0.295 ug/l

RT: 2.573 min Scan# 399

Delta R.T. 0.000 min

Lab File: VU059156.D

Acq: 05 Jun 2024 18:26

Instrument :

MSVOA\_U

ClientSampleId :

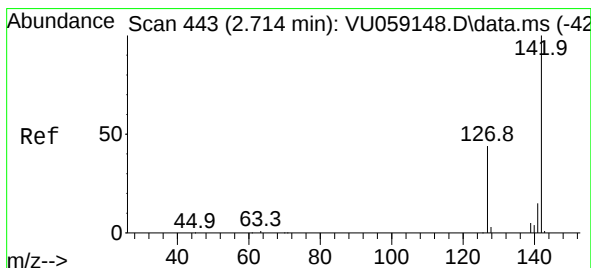
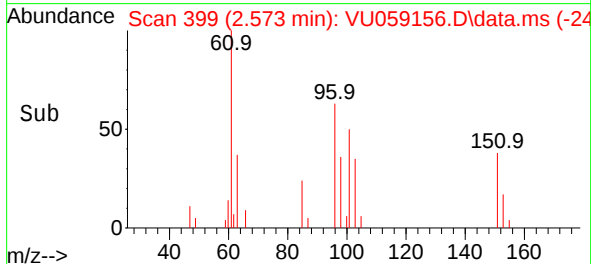
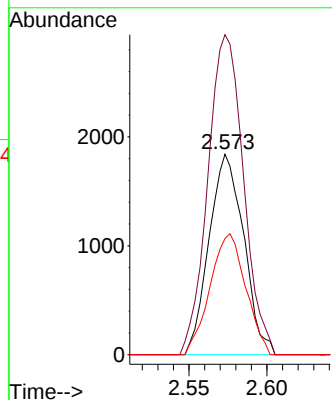
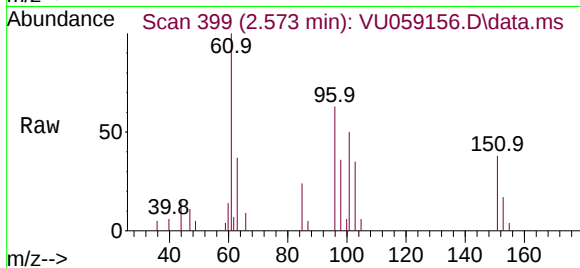
Tgt Ion: 96 Resp: 2850

Ion Ratio Lower Upper

96 100

61 171.1 0.0 515.4

98 58.0 0.0 124.4



#10

Iodomethane

Concen: 0.229 ug/l

RT: 2.718 min Scan# 444

Delta R.T. 0.003 min

Lab File: VU059156.D

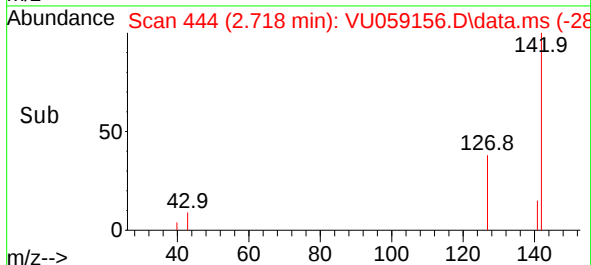
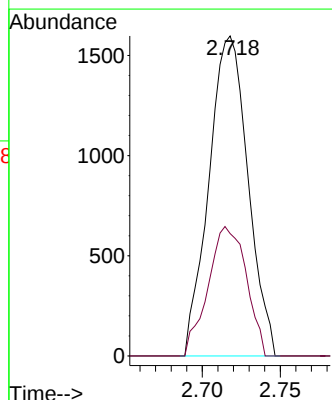
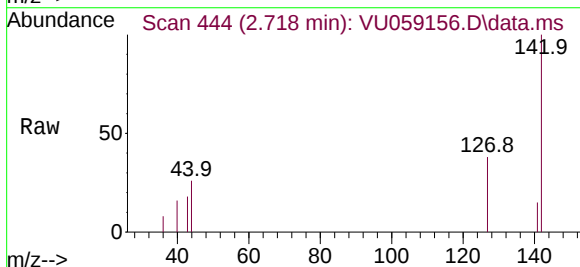
Acq: 05 Jun 2024 18:26

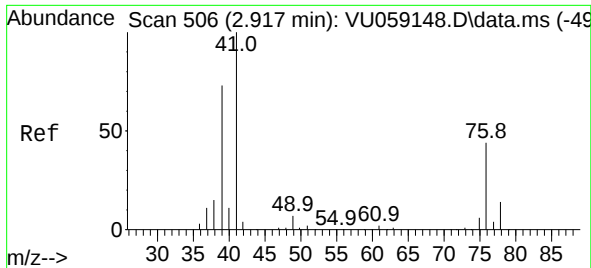
Tgt Ion: 142 Resp: 2781

Ion Ratio Lower Upper

142 100

127 39.6 36.2 54.4





#11

Allyl Chloride

Concen: 0.271 ug/l

RT: 2.917 min Scan# 506

Delta R.T. 0.000 min

Lab File: VU059156.D

Acq: 05 Jun 2024 18:26

Instrument :

MSVOA\_U

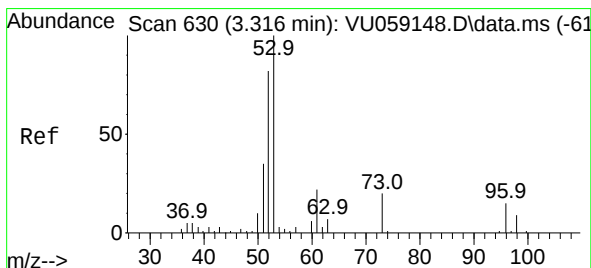
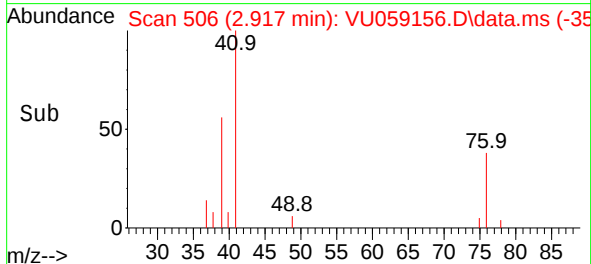
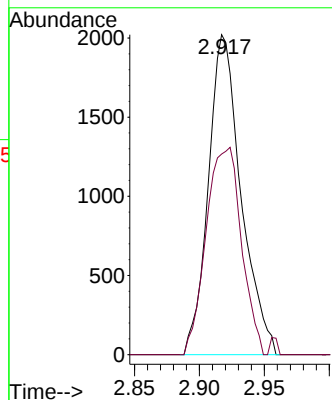
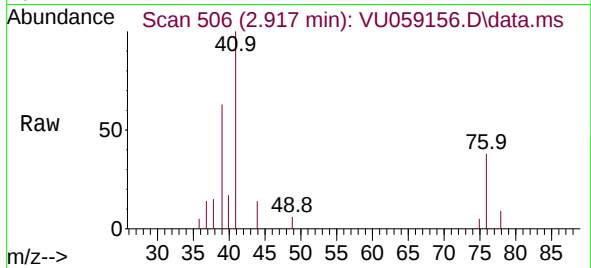
ClientSampleId :

Tgt Ion: 41 Resp: 3541

Ion Ratio Lower Upper

41 100

39 69.7 58.1 87.1



#12

Acrylonitrile

Concen: 0.120 ug/l

RT: 3.335 min Scan# 636

Delta R.T. 0.020 min

Lab File: VU059156.D

Acq: 05 Jun 2024 18:26

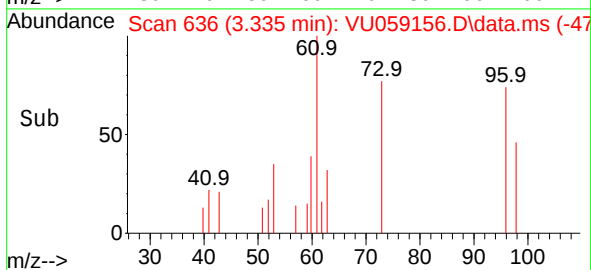
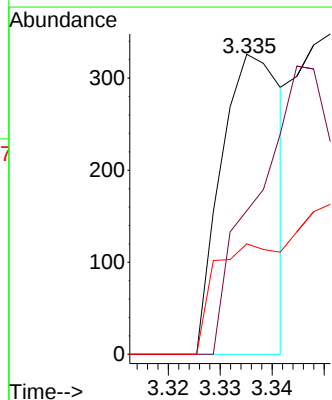
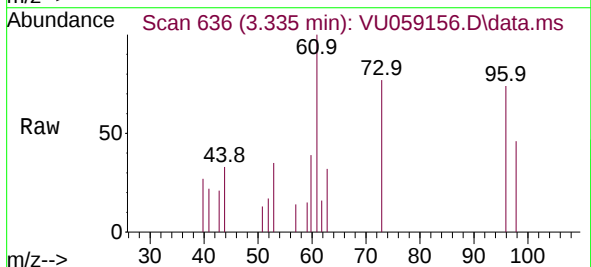
Tgt Ion: 53 Resp: 262

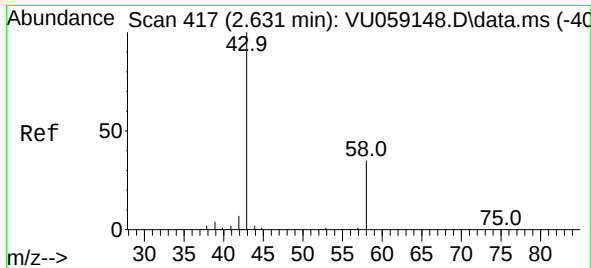
Ion Ratio Lower Upper

53 100

52 129.0 64.2 96.4#

51 96.2 33.0 49.4#





#13

Acetone

Concen: 0.294 ug/l

RT: 2.641 min Scan# 417

Delta R.T. 0.010 min

Lab File: VU059156.D

Acq: 05 Jun 2024 18:26

Instrument :

MSVOA\_U

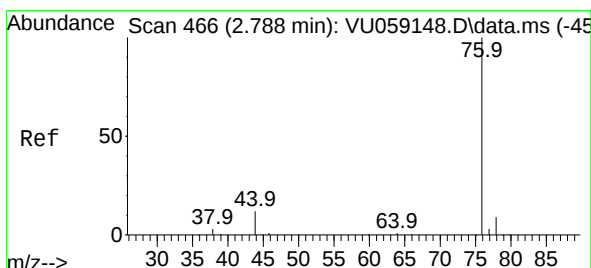
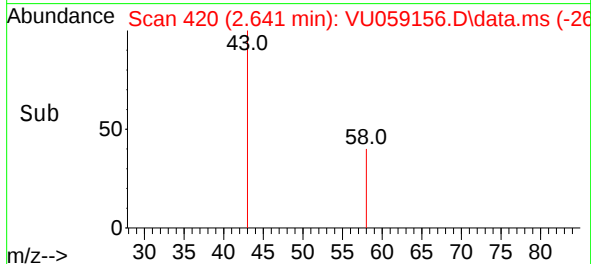
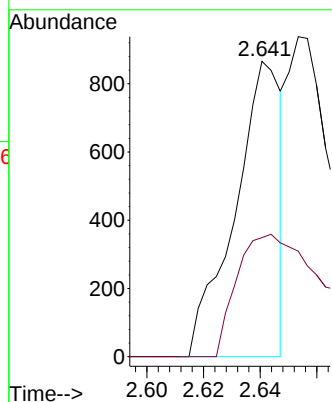
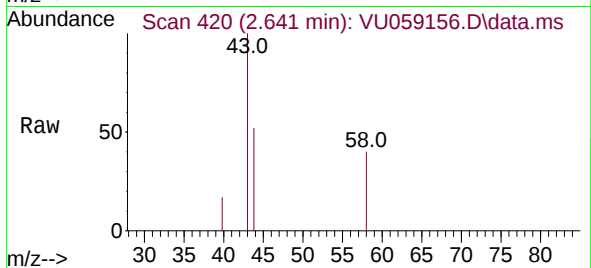
ClientSampleId :

Tgt Ion: 43 Resp: 976

Ion Ratio Lower Upper

43 100

58 40.3 27.9 41.9



#14

Carbon Disulfide

Concen: 0.296 ug/l

RT: 2.785 min Scan# 465

Delta R.T. -0.003 min

Lab File: VU059156.D

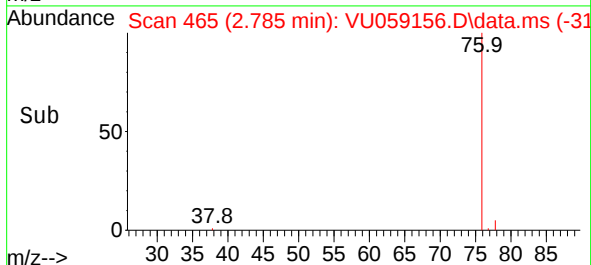
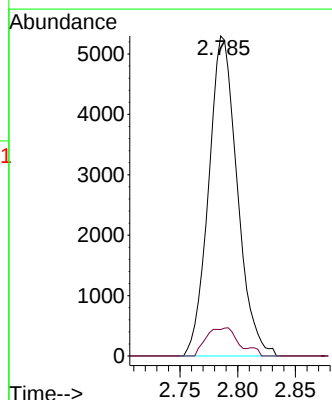
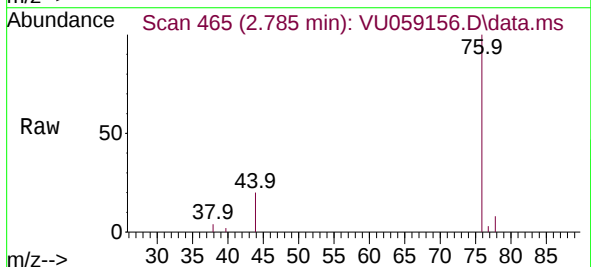
Acq: 05 Jun 2024 18:26

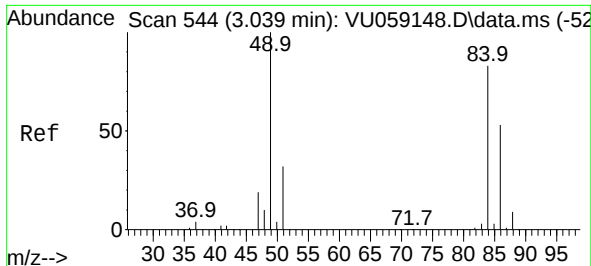
Tgt Ion: 76 Resp: 9117

Ion Ratio Lower Upper

76 100

78 8.3 7.3 10.9





#15

Methylene Chloride

Concen: 0.985 ug/l

RT: 3.039 min Scan# 544

Delta R.T. 0.000 min

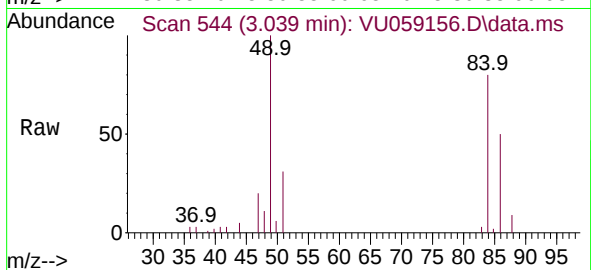
Lab File: VU059156.D

Acq: 05 Jun 2024 18:26

Instrument :

MSVOA\_U

ClientSampleId :



Tgt Ion: 84 Resp: 13055

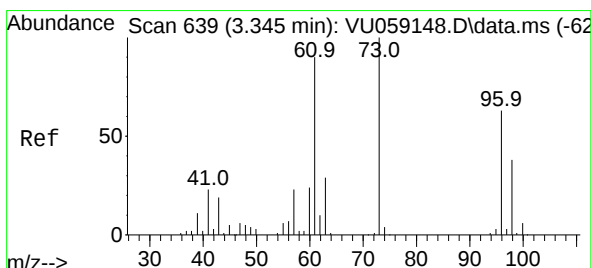
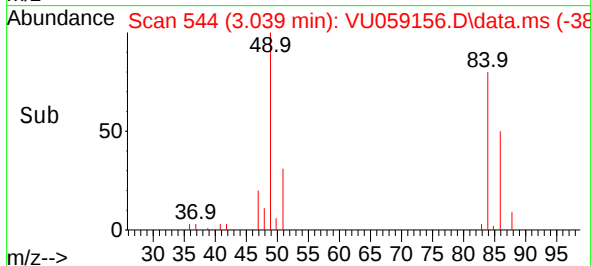
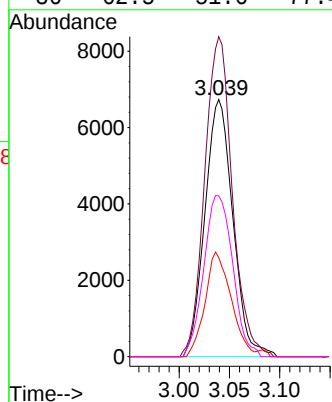
Ion Ratio Lower Upper

84 100

49 124.4 96.7 145.1

51 38.5 0.0 76.8

86 62.5 51.6 77.4



#16

trans-1,2-Dichloroethene

Concen: 0.266 ug/l

RT: 3.351 min Scan# 641

Delta R.T. 0.007 min

Lab File: VU059156.D

Acq: 05 Jun 2024 18:26

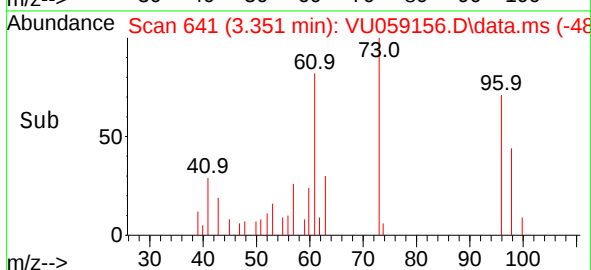
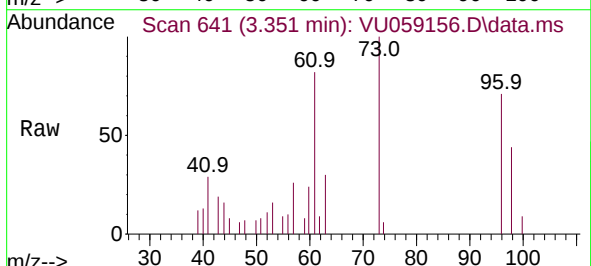
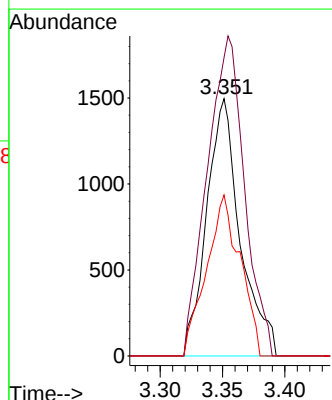
Tgt Ion: 96 Resp: 2803

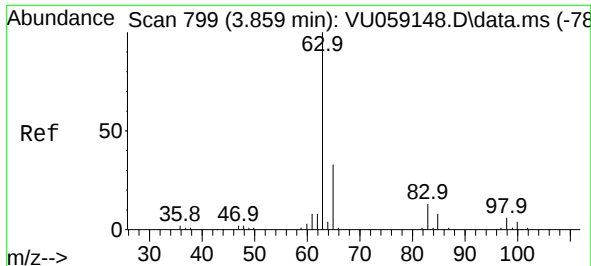
Ion Ratio Lower Upper

96 100

61 116.0 114.8 172.2

98 62.6 48.8 73.2

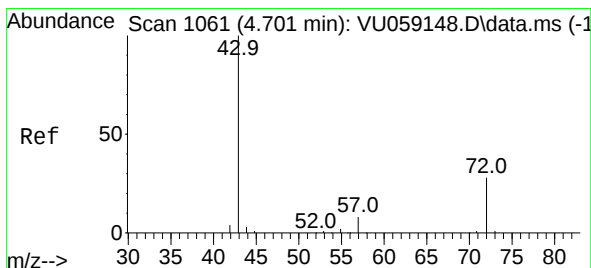
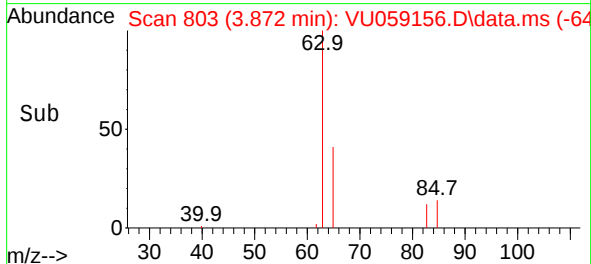
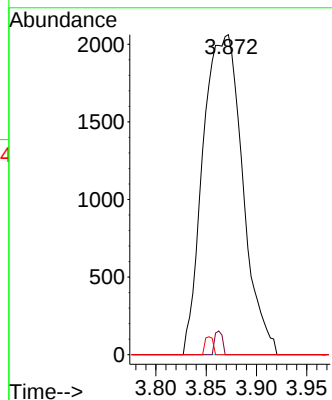
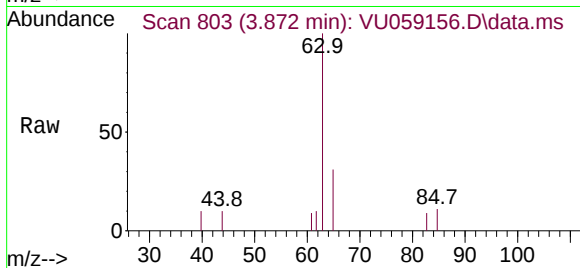




#17  
1,1-Dichloroethane  
Concen: 0.255 ug/l  
RT: 3.872 min Scan# 803  
Delta R.T. 0.013 min  
Lab File: VU059156.D  
Acq: 05 Jun 2024 18:26

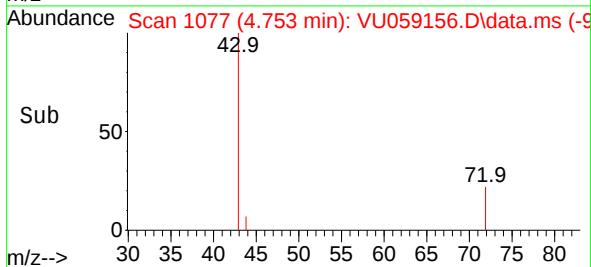
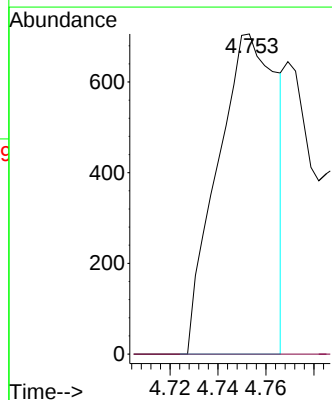
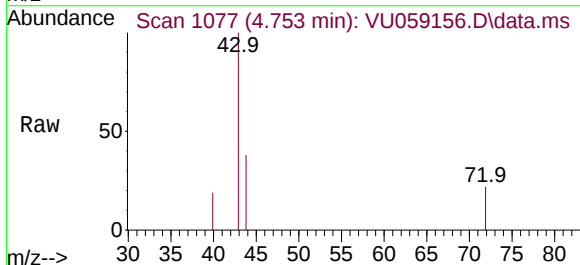
Instrument :  
MSVOA\_U  
ClientSampleId :

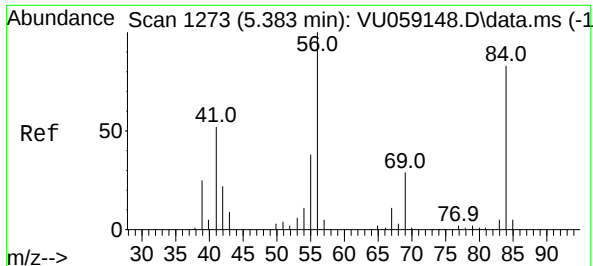
Tgt Ion: 63 Resp: 5646  
Ion Ratio Lower Upper  
63 100  
98 0.0 3.2 9.6#  
100 0.0 2.1 6.5#



#18  
2-Butanone  
Concen: 0.328 ug/l  
RT: 4.753 min Scan# 1077  
Delta R.T. 0.052 min  
Lab File: VU059156.D  
Acq: 05 Jun 2024 18:26

Tgt Ion: 43 Resp: 1208  
Ion Ratio Lower Upper  
43 100  
57 0.0 0.0 16.8





#19

Cyclohexane

Concen: 0.239 ug/l

RT: 5.380 min Scan# 1273

Delta R.T. -0.003 min

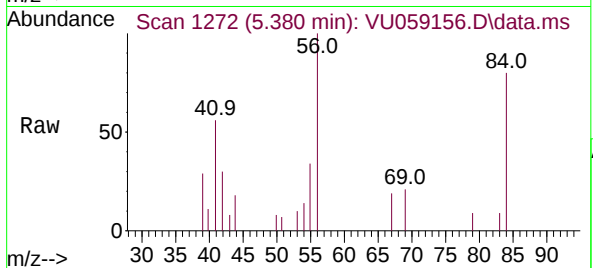
Lab File: VU059156.D

Acq: 05 Jun 2024 18:26

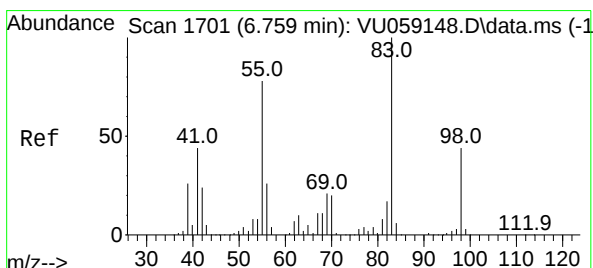
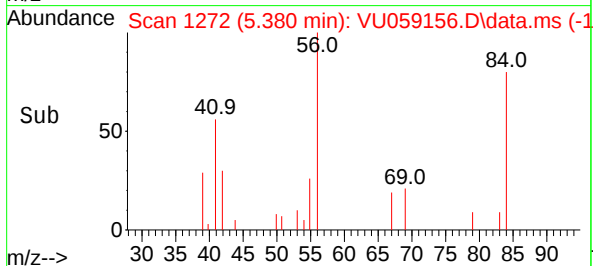
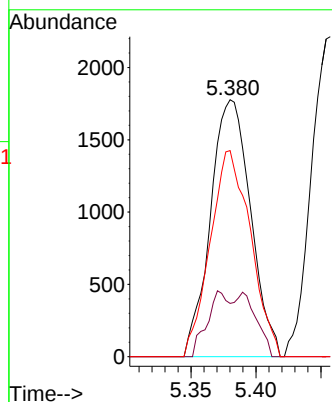
Instrument :

MSVOA\_U

ClientSampleId :



| Tgt Ion:  | 56   | Resp: | 3816  |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 56        | 100  |       |       |
| 69        | 14.0 | 23.5  | 35.3# |
| 84        | 80.7 | 66.5  | 99.7  |



#20

Methylcyclohexane

Concen: 0.227 ug/l

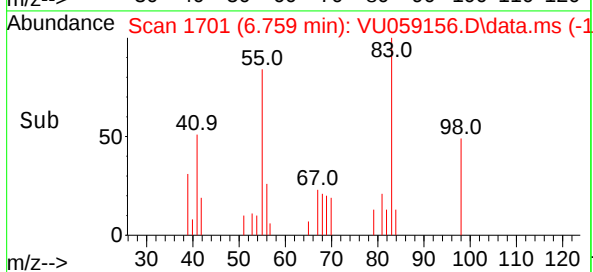
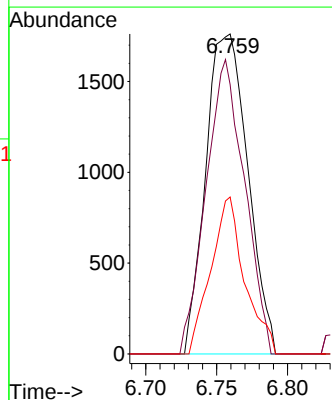
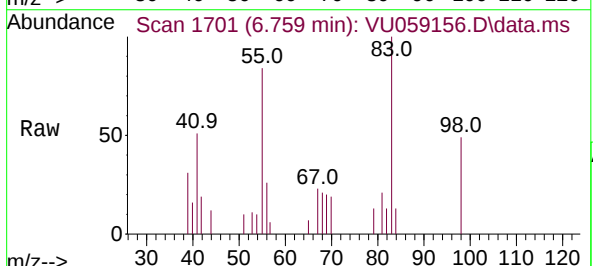
RT: 6.759 min Scan# 1701

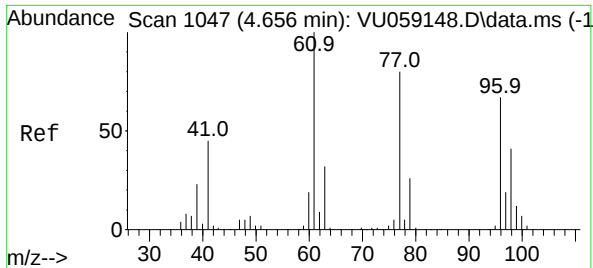
Delta R.T. 0.000 min

Lab File: VU059156.D

Acq: 05 Jun 2024 18:26

| Tgt Ion:  | 83   | Resp: | 3646  |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 83        | 100  |       |       |
| 55        | 84.2 | 62.7  | 94.1  |
| 98        | 39.4 | 35.1  | 52.7  |

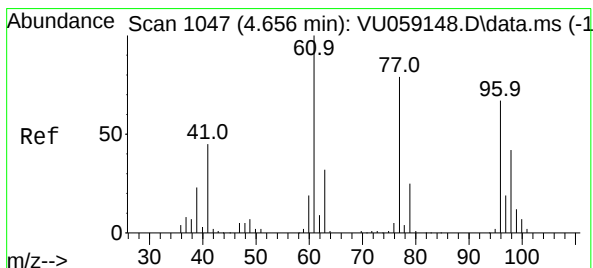
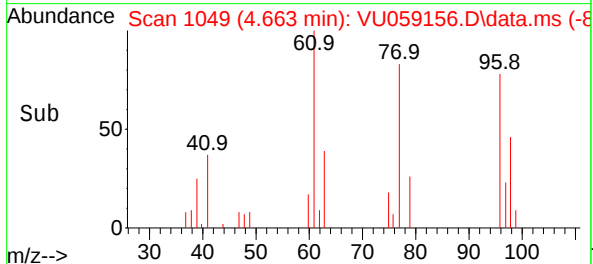
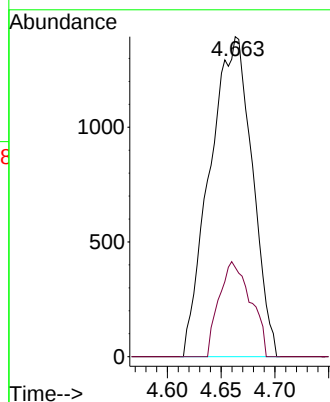
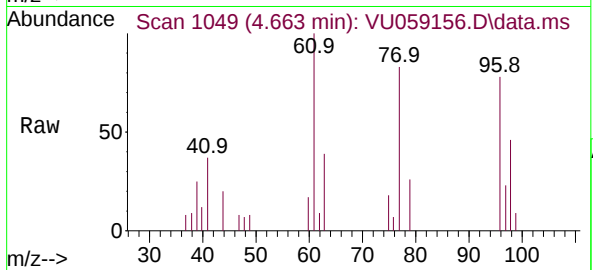




#21  
2,2-Dichloropropane  
Concen: 0.234 ug/l  
RT: 4.663 min Scan# 1049  
Delta R.T. 0.007 min  
Lab File: VU059156.D  
Acq: 05 Jun 2024 18:26

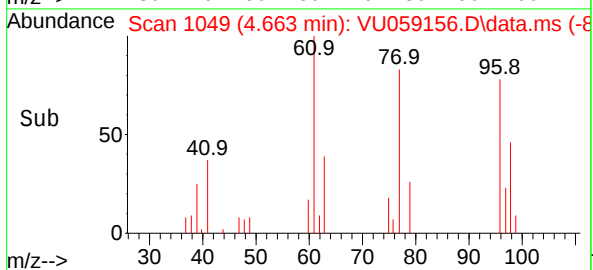
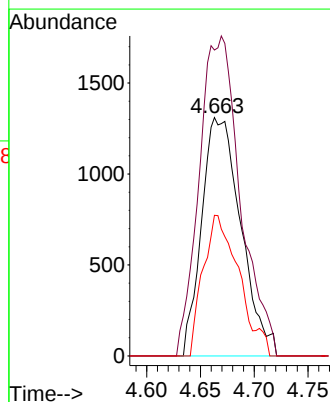
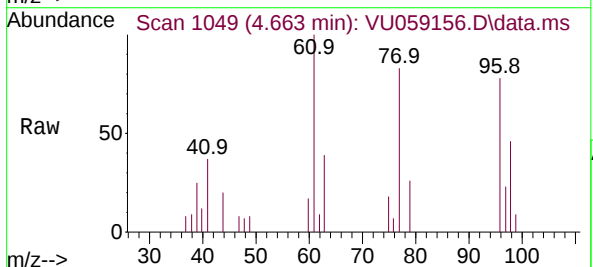
Instrument :  
MSVOA\_U  
ClientSampleId :

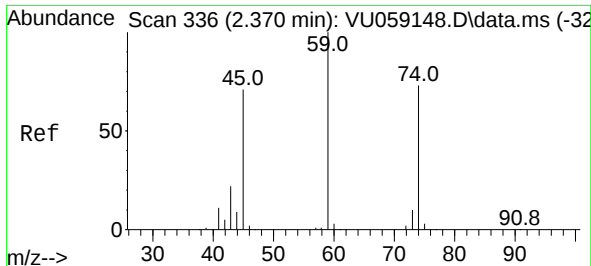
Tgt Ion: 77 Resp: 3826  
Ion Ratio Lower Upper  
77 100  
97 22.1 18.1 27.1



#22  
cis-1,2-Dichloroethene  
Concen: 0.290 ug/l  
RT: 4.663 min Scan# 1049  
Delta R.T. 0.007 min  
Lab File: VU059156.D  
Acq: 05 Jun 2024 18:26

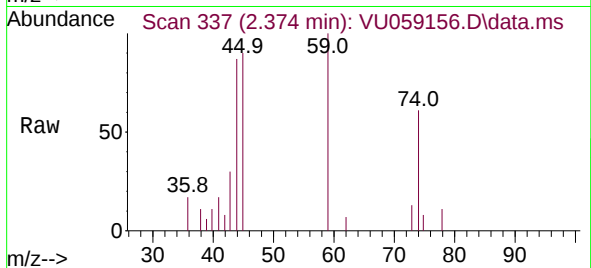
Tgt Ion: 96 Resp: 3322  
Ion Ratio Lower Upper  
96 100  
61 141.1 0.0 388.5  
98 53.9 31.8 95.3



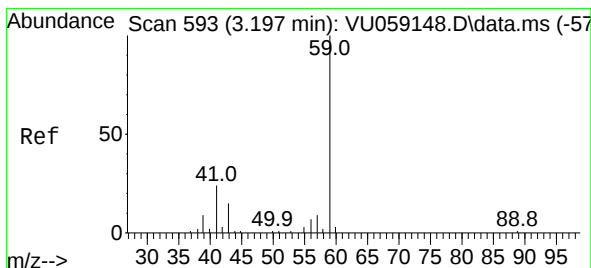
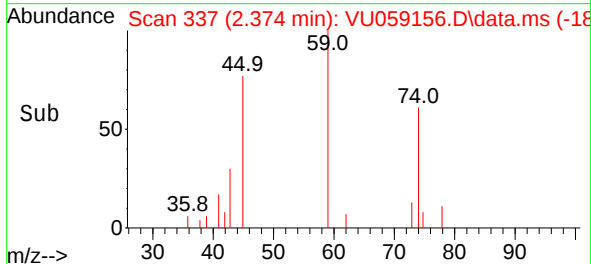
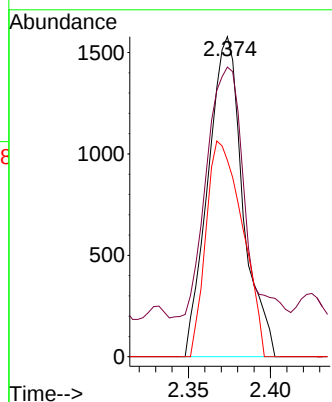


#23  
Diethyl Ether  
Concen: 0.257 ug/l  
RT: 2.374 min Scan# 336  
Delta R.T. 0.003 min  
Lab File: VU059156.D  
Acq: 05 Jun 2024 18:26

Instrument :  
MSVOA\_U  
ClientSampleId :

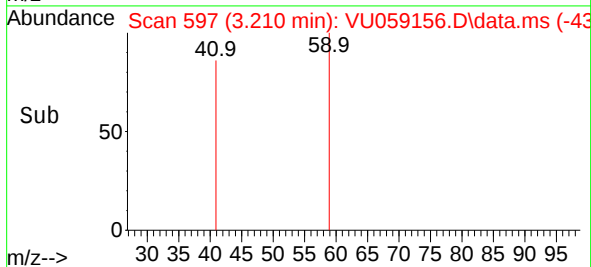
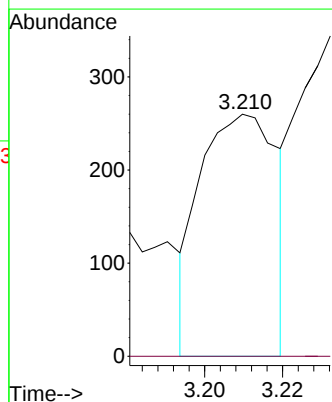
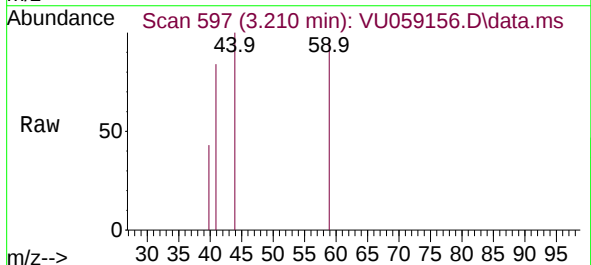


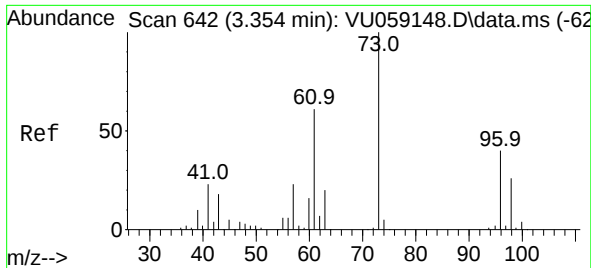
Tgt Ion: 59 Resp: 2332  
Ion Ratio Lower Upper  
59 100  
45 91.5 58.8 88.2#  
74 70.2 58.0 87.0



#24  
tert-Butyl Alcohol  
Concen: 0.570 ug/l  
RT: 3.210 min Scan# 597  
Delta R.T. 0.013 min  
Lab File: VU059156.D  
Acq: 05 Jun 2024 18:26

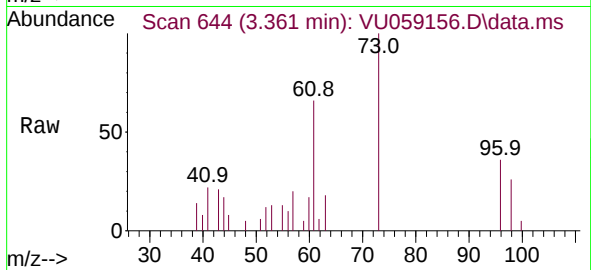
Tgt Ion: 59 Resp: 354  
Ion Ratio Lower Upper  
59 100  
57 0.0 2.9 4.3#



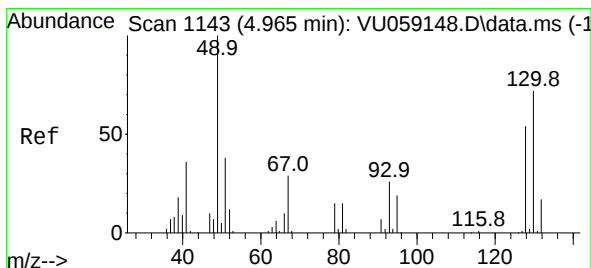
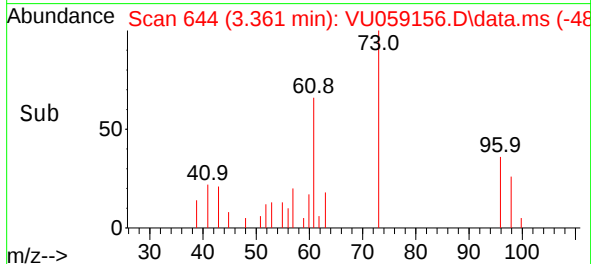
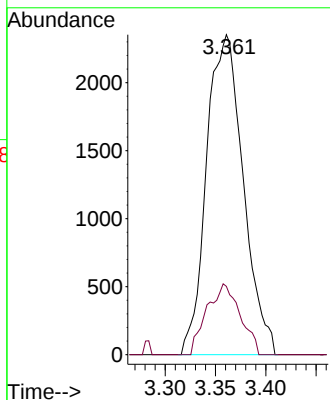


#25  
Methyl tert-Butyl Ether  
Concen: 0.257 ug/l  
RT: 3.361 min Scan# 642  
Delta R.T. 0.007 min  
Lab File: VU059156.D  
Acq: 05 Jun 2024 18:26

Instrument :  
MSVOA\_U  
ClientSampleId :

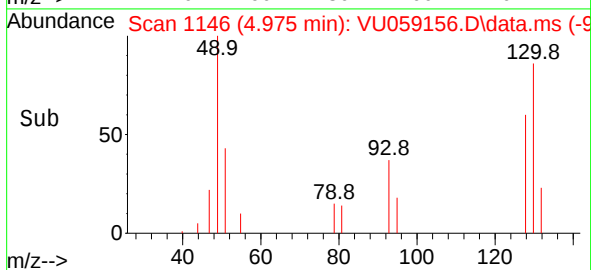
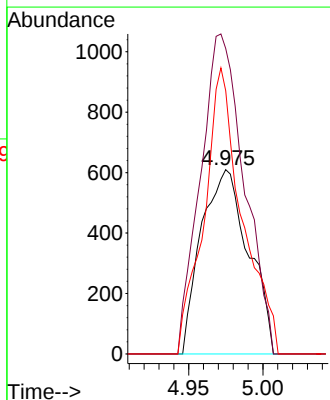
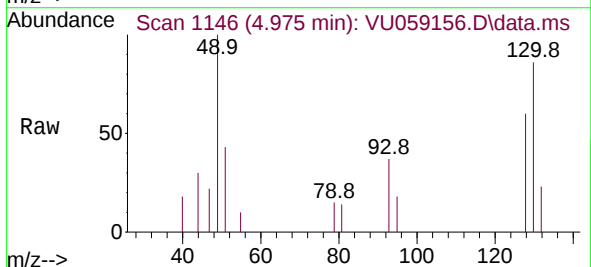


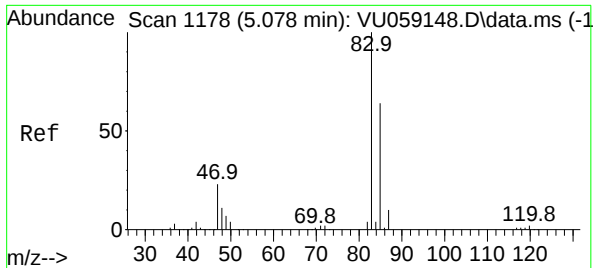
Tgt Ion: 73 Resp: 5960  
Ion Ratio Lower Upper  
73 100  
43 20.1 15.0 22.6



#26  
Bromochloromethane  
Concen: 0.279 ug/l  
RT: 4.975 min Scan# 1146  
Delta R.T. 0.010 min  
Lab File: VU059156.D  
Acq: 05 Jun 2024 18:26

Tgt Ion: 128 Resp: 1350  
Ion Ratio Lower Upper  
128 100  
49 161.0 0.0 371.2  
130 124.8 104.1 156.1





#27

Chloroform

Concen: 0.269 ug/l

RT: 5.081 min Scan# 1178

Delta R.T. 0.003 min

Lab File: VU059156.D

Acq: 05 Jun 2024 18:26

Instrument :

MSVOA\_U

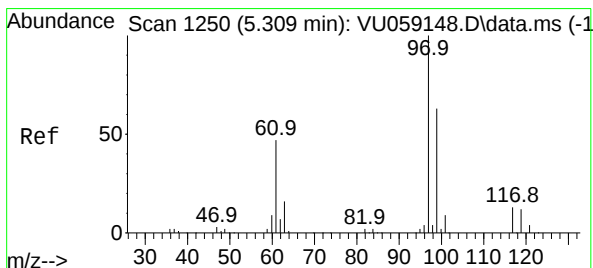
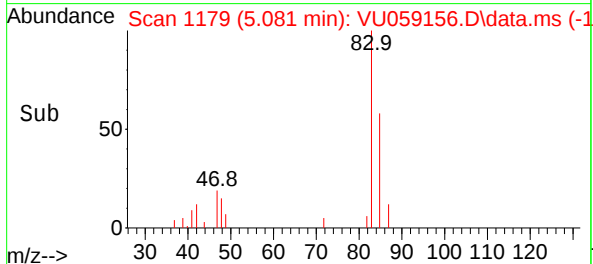
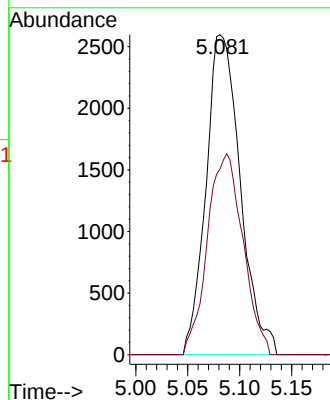
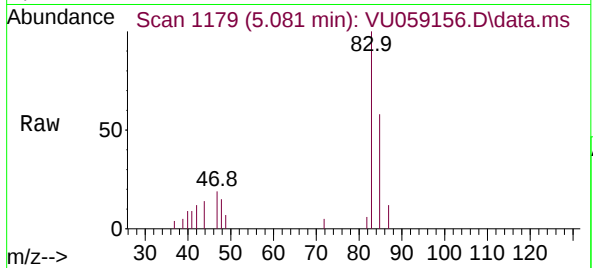
ClientSampleId :

Tgt Ion: 83 Resp: 5970

Ion Ratio Lower Upper

83 100

85 58.1 0.0 127.2



#28

1,1,1-Trichloroethane

Concen: 0.269 ug/l

RT: 5.309 min Scan# 1250

Delta R.T. 0.000 min

Lab File: VU059156.D

Acq: 05 Jun 2024 18:26

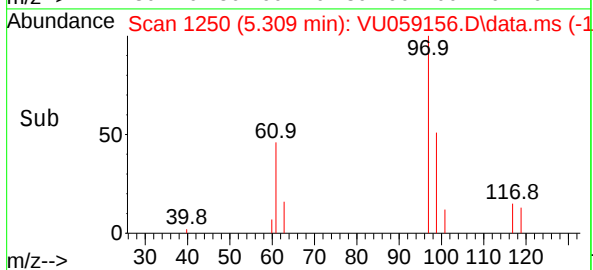
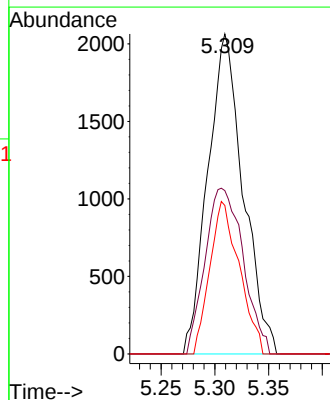
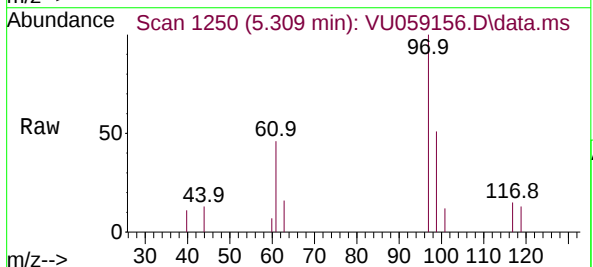
Tgt Ion: 97 Resp: 4714

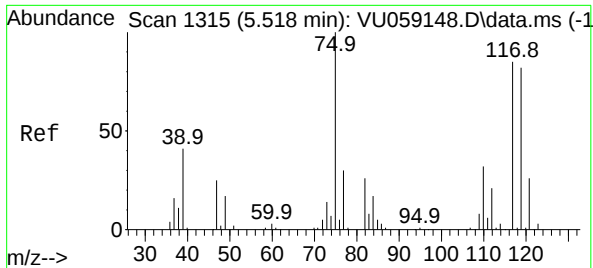
Ion Ratio Lower Upper

97 100

99 55.7 32.0 96.0

61 39.8 23.9 71.7

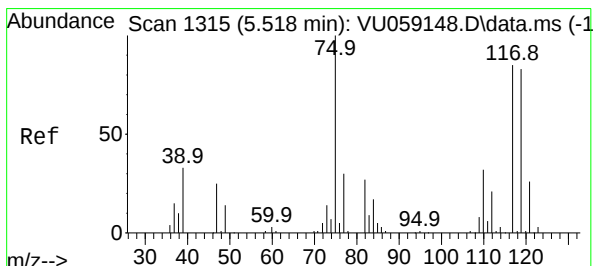
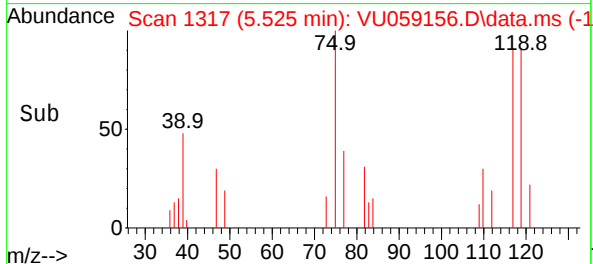
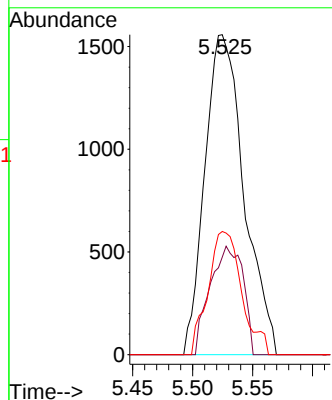
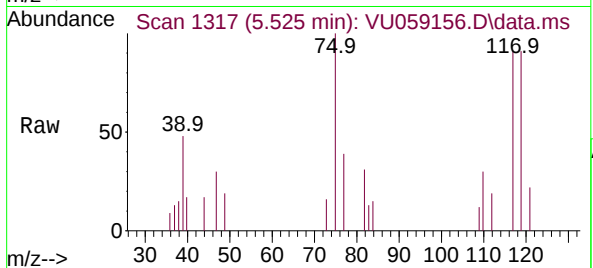




#29  
1,1-Dichloropropene  
Concen: 0.241 ug/l  
RT: 5.525 min Scan# 1317  
Delta R.T. 0.007 min  
Lab File: VU059156.D  
Acq: 05 Jun 2024 18:26

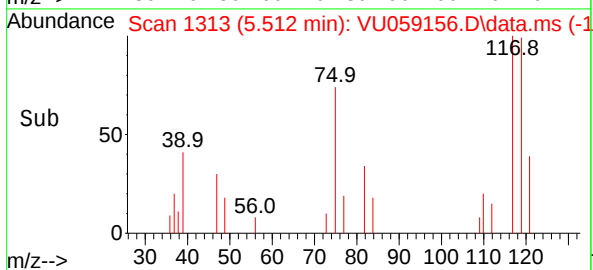
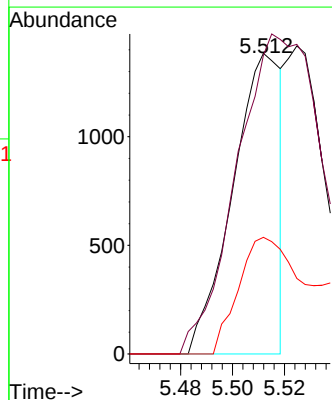
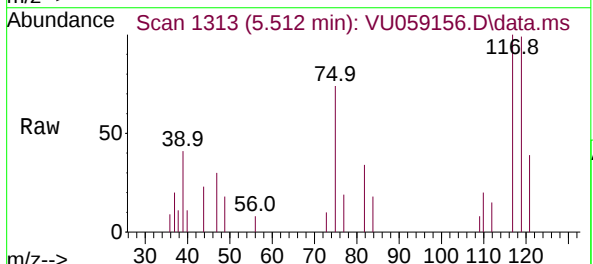
Instrument :  
MSVOA\_U  
ClientSampleId :

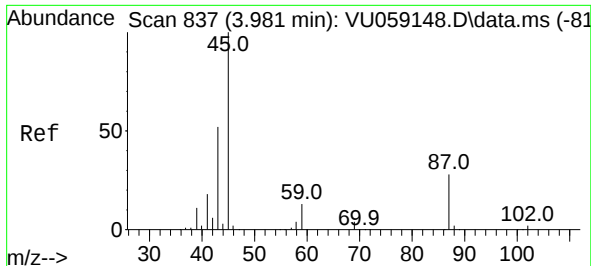
Tgt Ion: 75 Resp: 3535  
Ion Ratio Lower Upper  
75 100  
110 28.5 17.0 50.9  
77 33.0 24.6 36.8



#30  
Carbon Tetrachloride  
Concen: 0.124 ug/l  
RT: 5.512 min Scan# 1313  
Delta R.T. -0.006 min  
Lab File: VU059156.D  
Acq: 05 Jun 2024 18:26

Tgt Ion: 117 Resp: 1779  
Ion Ratio Lower Upper  
117 100  
119 99.3 77.5 116.3  
121 38.8 24.6 37.0#

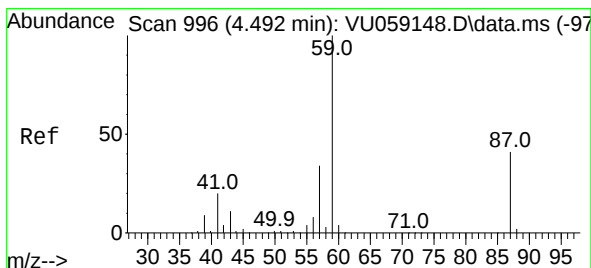
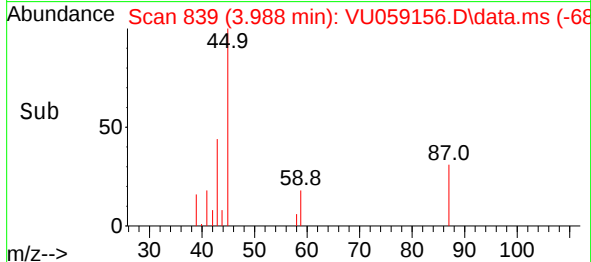
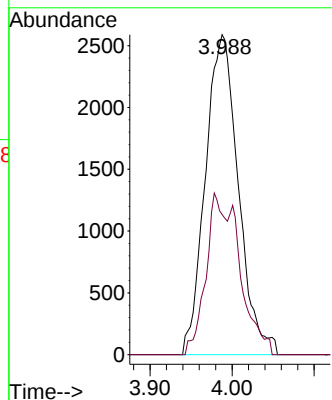
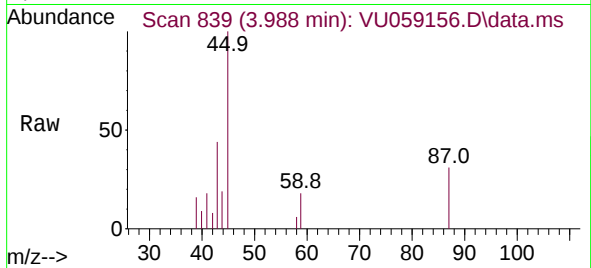




#31  
Isopropyl Ether  
Concen: 0.250 ug/l  
RT: 3.988 min Scan# 837  
Delta R.T. 0.007 min  
Lab File: VU059156.D  
Acq: 05 Jun 2024 18:26

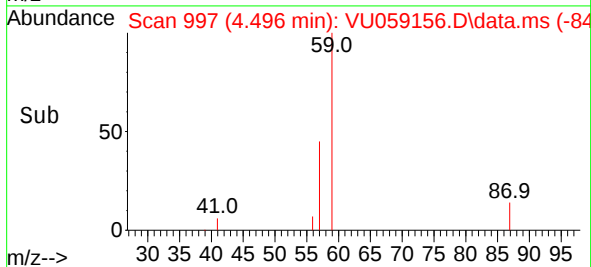
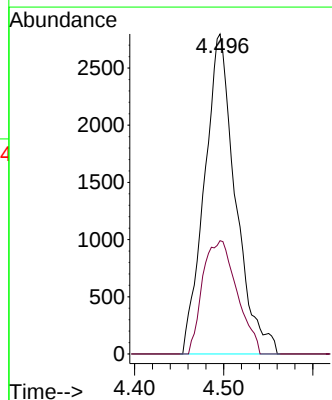
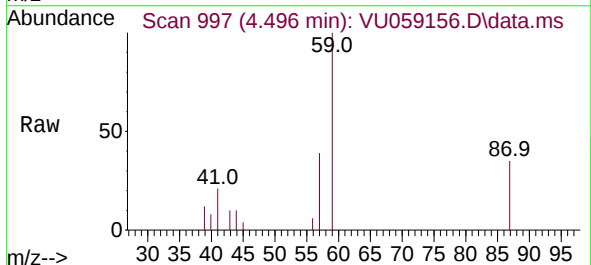
Instrument :  
MSVOA\_U  
ClientSampleId :

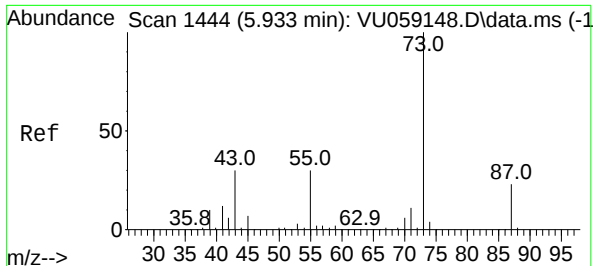
Tgt Ion: 45 Resp: 7237  
Ion Ratio Lower Upper  
45 100  
43 30.6 26.1 78.3



#32  
Ethyl-t-butyl ether  
Concen: 0.250 ug/l  
RT: 4.496 min Scan# 997  
Delta R.T. 0.003 min  
Lab File: VU059156.D  
Acq: 05 Jun 2024 18:26

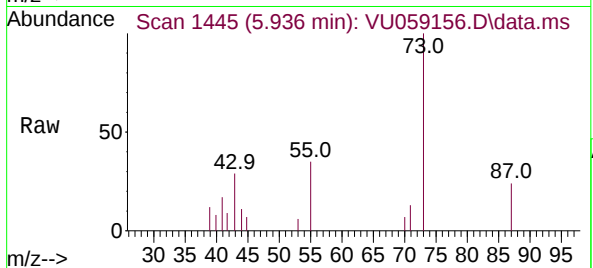
Tgt Ion: 59 Resp: 6752  
Ion Ratio Lower Upper  
59 100  
87 39.2 32.2 48.4



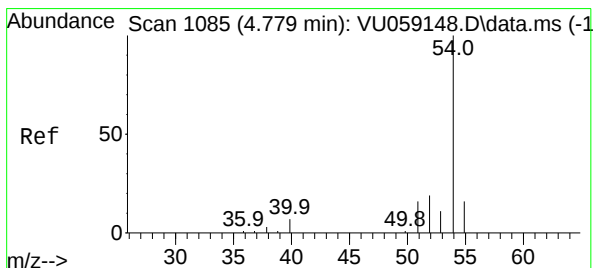
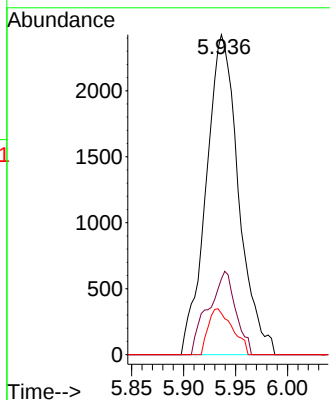
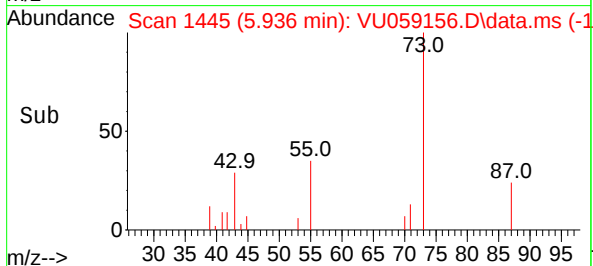


#33  
Tert-Amyl methyl ether  
Concen: 0.221 ug/l  
RT: 5.936 min Scan# 1103  
Delta R.T. 0.003 min  
Lab File: VU059156.D  
Acq: 05 Jun 2024 18:26

Instrument :  
MSVOA\_U  
ClientSampleId :

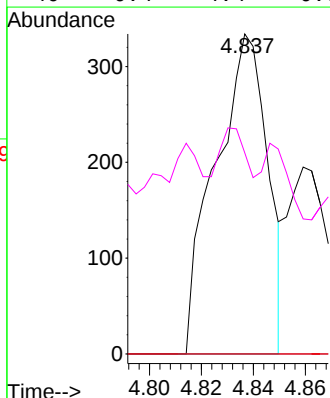
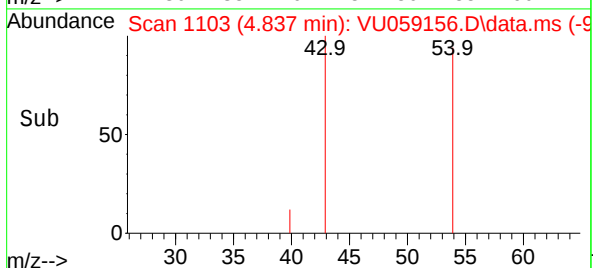
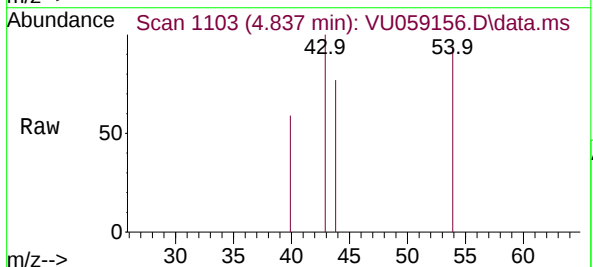


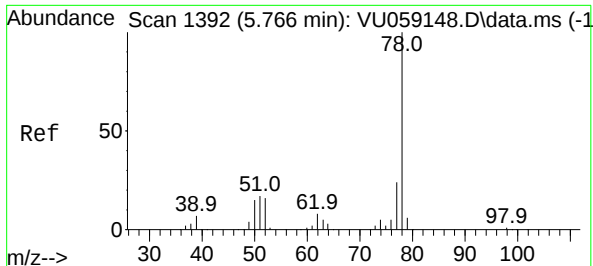
Tgt Ion: 73 Resp: 5265  
Ion Ratio Lower Upper  
73 100  
87 22.0 18.6 27.8  
71 10.7 9.1 13.7



#34  
Propionitrile  
Concen: 0.553 ug/l  
RT: 4.837 min Scan# 1103  
Delta R.T. 0.058 min  
Lab File: VU059156.D  
Acq: 05 Jun 2024 18:26

Tgt Ion: 54 Resp: 467  
Ion Ratio Lower Upper  
54 100  
52 0.0 15.2 22.8#  
55 0.0 12.4 18.6#  
40 6.4 4.4 6.6





#35

Benzene

Concen: 0.239 ug/l

RT: 5.772 min Scan# 1401

Delta R.T. 0.007 min

Lab File: VU059156.D

Acq: 05 Jun 2024 18:26

Instrument :

MSVOA\_U

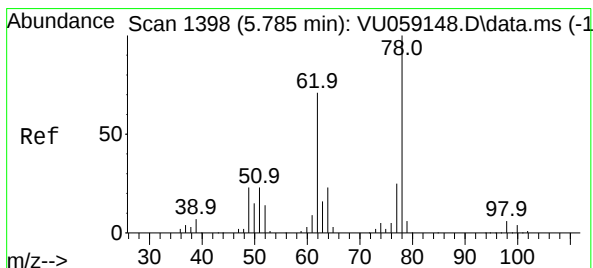
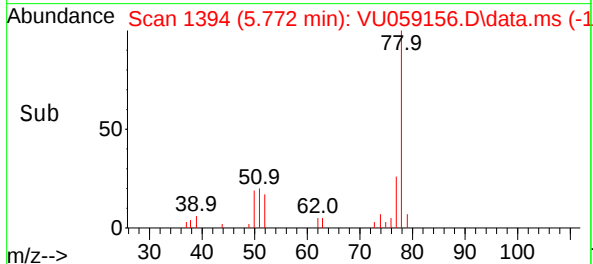
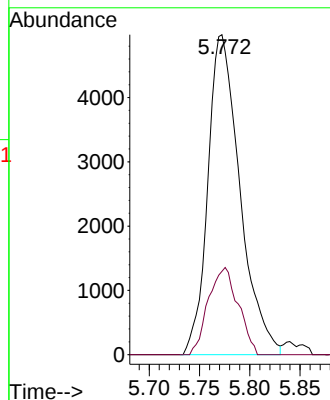
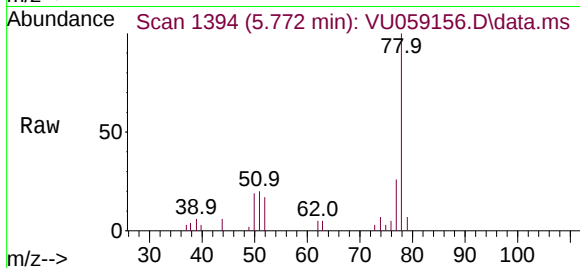
ClientSampleId :

Tgt Ion: 78 Resp: 11052

Ion Ratio Lower Upper

78 100

77 26.0 19.4 29.2



#36

1,2-Dichloroethane

Concen: 0.258 ug/l

RT: 5.798 min Scan# 1402

Delta R.T. 0.013 min

Lab File: VU059156.D

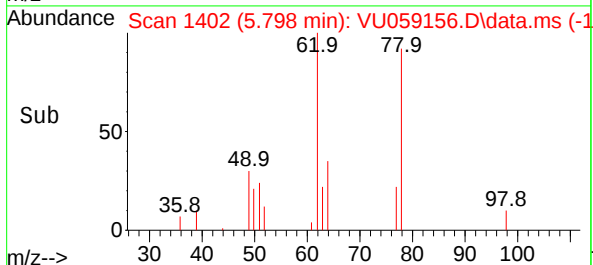
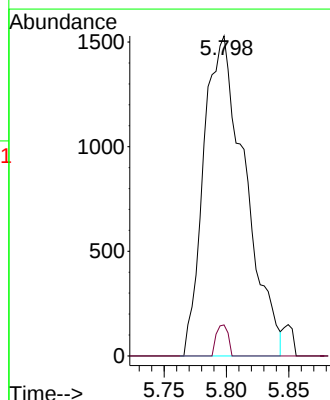
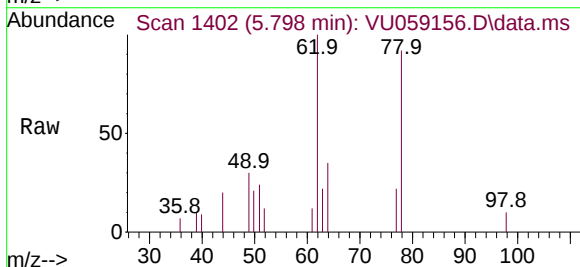
Acq: 05 Jun 2024 18:26

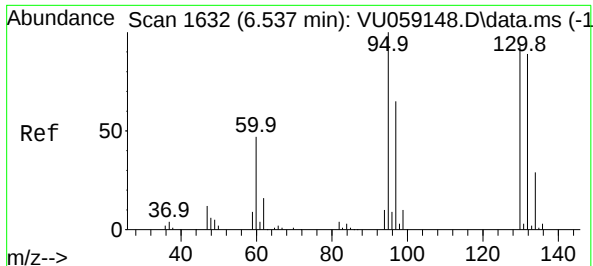
Tgt Ion: 62 Resp: 3529

Ion Ratio Lower Upper

62 100

98 2.8 6.7 10.1#





#37

Trichloroethene

Concen: 0.284 ug/l

RT: 6.541 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU059156.D

Acq: 05 Jun 2024 18:26

Instrument :

MSVOA\_U

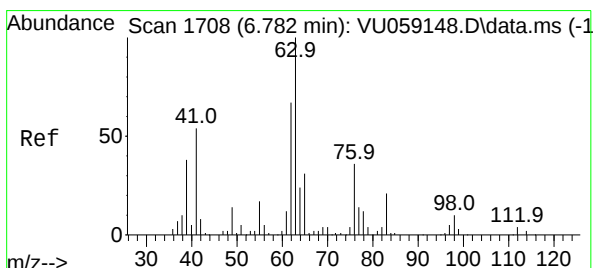
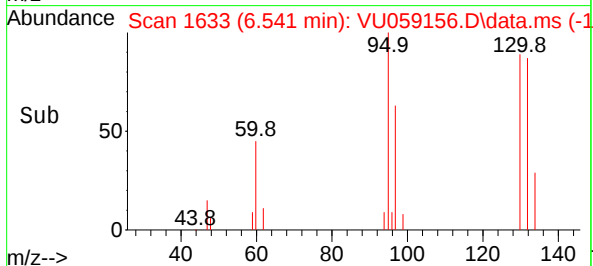
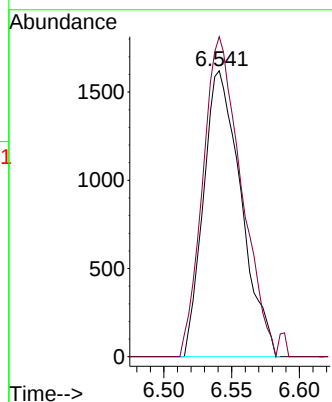
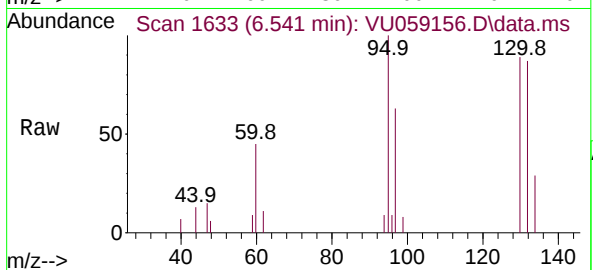
ClientSampleId :

Tgt Ion:130 Resp: 3126

Ion Ratio Lower Upper

130 100

95 111.9 85.6 128.4



#38

1,2-Dichloropropane

Concen: 0.241 ug/l

RT: 6.785 min Scan# 1709

Delta R.T. 0.003 min

Lab File: VU059156.D

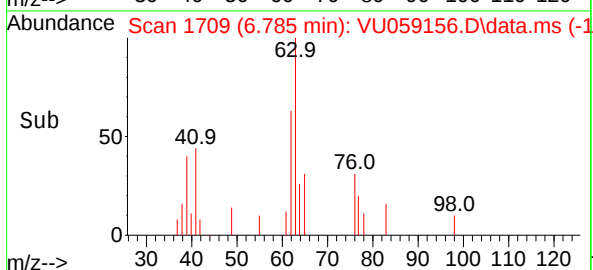
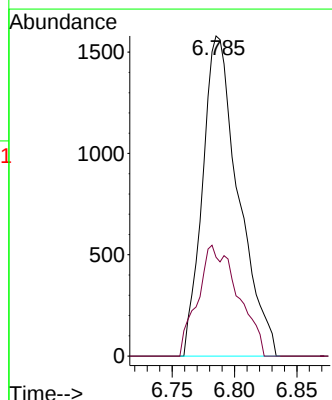
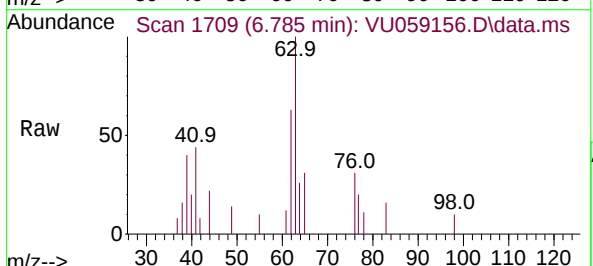
Acq: 05 Jun 2024 18:26

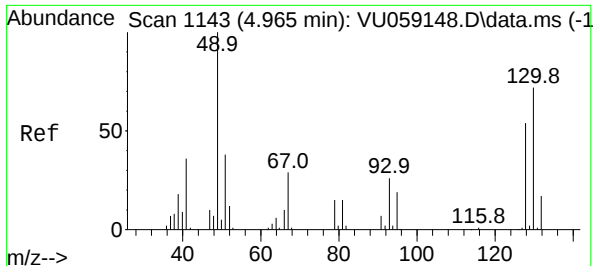
Tgt Ion: 63 Resp: 3161

Ion Ratio Lower Upper

63 100

65 30.9 24.6 37.0





#39

Methacrylonitrile

Concen: 0.035 ug/l

RT: 4.988 min Scan# 1150

Delta R.T. 0.023 min

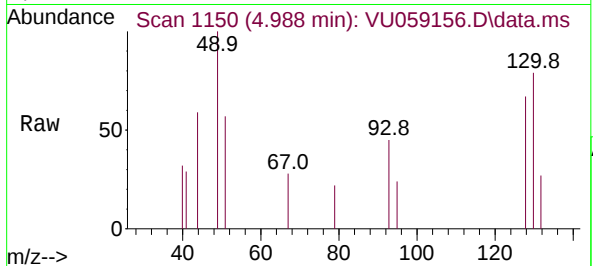
Lab File: VU059156.D

Acq: 05 Jun 2024 18:26

Instrument :

MSVOA\_U

ClientSampleId :



Tgt Ion: 41 Resp: 109

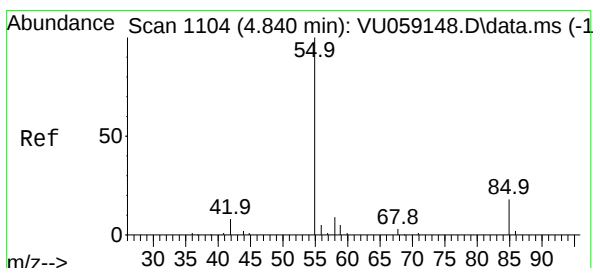
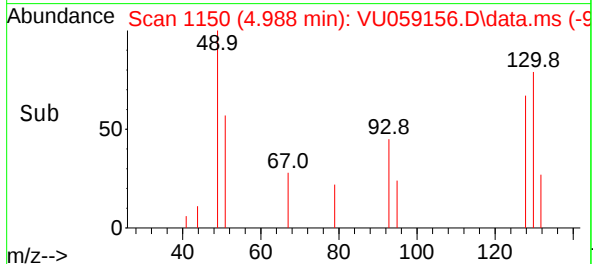
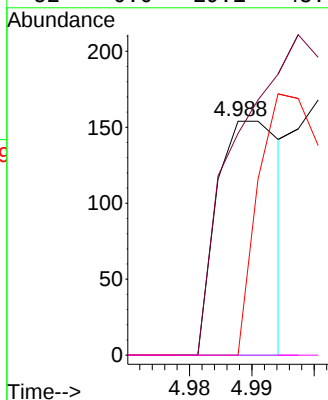
Ion Ratio Lower Upper

41 100

67 210.1 68.2 102.4#

39 124.8 43.4 65.2#

52 0.0 29.1 43.7#



#40

Methyl acrylate

Concen: 0.117 ug/l

RT: 4.898 min Scan# 1122

Delta R.T. 0.058 min

Lab File: VU059156.D

Acq: 05 Jun 2024 18:26

Tgt Ion: 55 Resp: 647

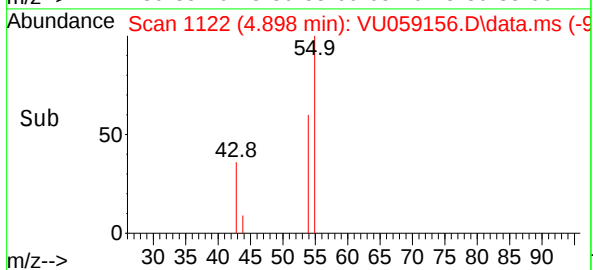
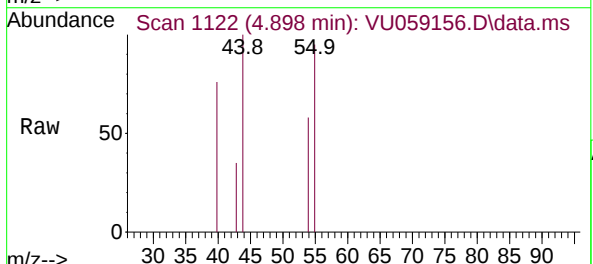
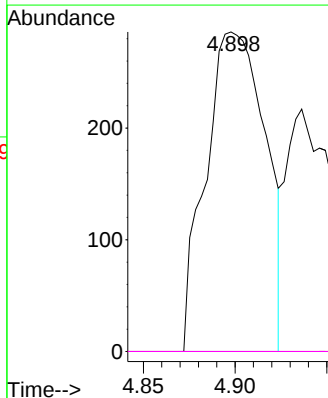
Ion Ratio Lower Upper

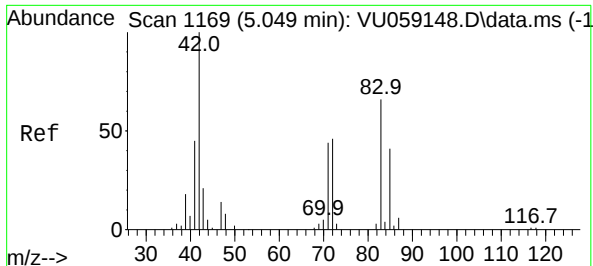
55 100

85 0.0 11.8 17.6#

58 0.0 6.0 9.0#

42 0.0 6.3 9.5#





#41

Tetrahydrofuran

Concen: 0.338 ug/l

RT: 5.091 min Scan# 1169

Delta R.T. 0.042 min

Lab File: VU059156.D

Acq: 05 Jun 2024 18:26

Instrument :

MSVOA\_U

ClientSampleId :

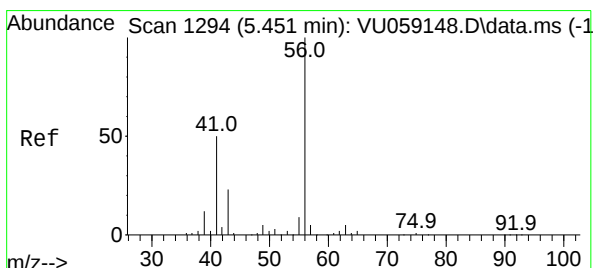
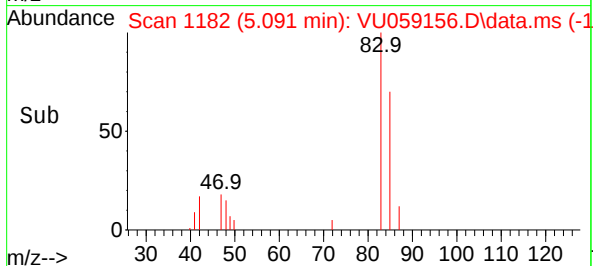
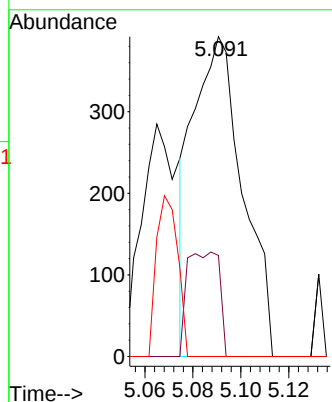
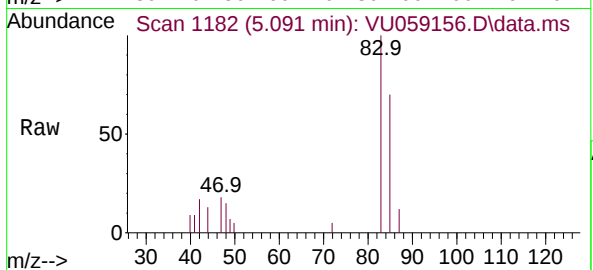
Tgt Ion: 42 Resp: 569

Ion Ratio Lower Upper

42 100

72 21.1 40.7 61.1#

71 0.0 36.5 54.7#



#42

1-Chlorobutane

Concen: 0.245 ug/l

RT: 5.457 min Scan# 1296

Delta R.T. 0.007 min

Lab File: VU059156.D

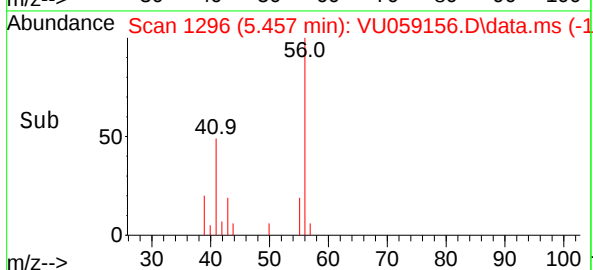
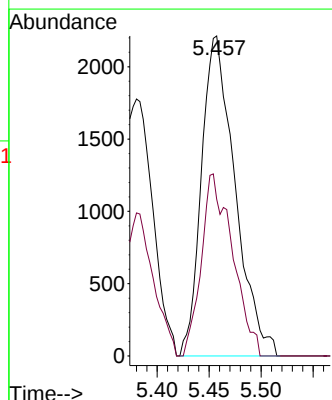
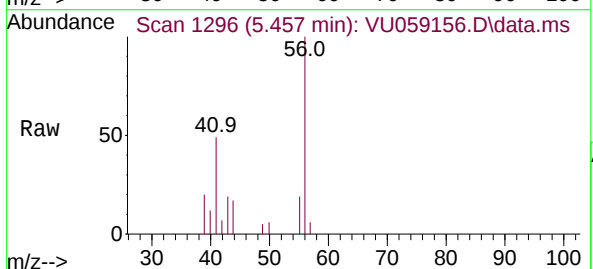
Acq: 05 Jun 2024 18:26

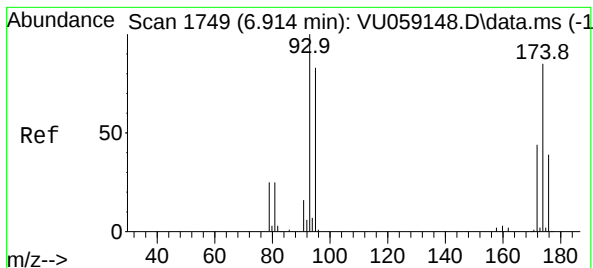
Tgt Ion: 56 Resp: 4975

Ion Ratio Lower Upper

56 100

41 52.9 25.7 77.1





#43

Dibromomethane

Concen: 0.308 ug/l

RT: 6.917 min Scan# 1

Delta R.T. 0.003 min

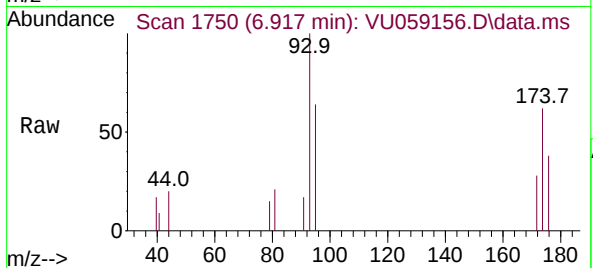
Lab File: VU059156.D

Acq: 05 Jun 2024 18:26

Instrument :

MSVOA\_U

ClientSampleId :



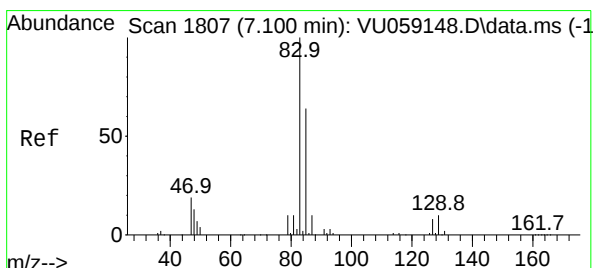
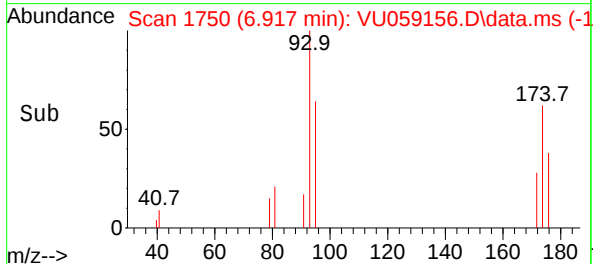
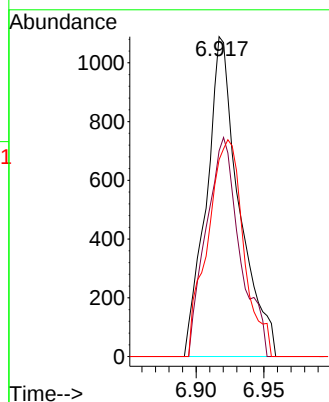
Tgt Ion: 93 Resp: 1827

Ion Ratio Lower Upper

93 100

95 70.5 66.1 99.1

174 74.6 67.2 100.8



#44

Bromodichloromethane

Concen: 0.250 ug/l

RT: 7.103 min Scan# 1808

Delta R.T. 0.003 min

Lab File: VU059156.D

Acq: 05 Jun 2024 18:26

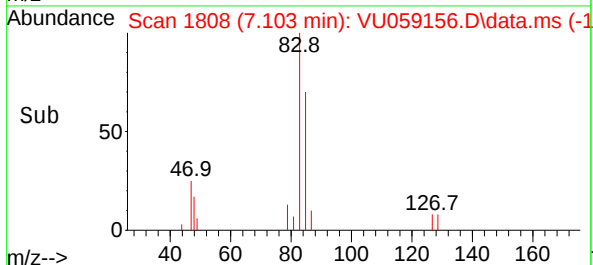
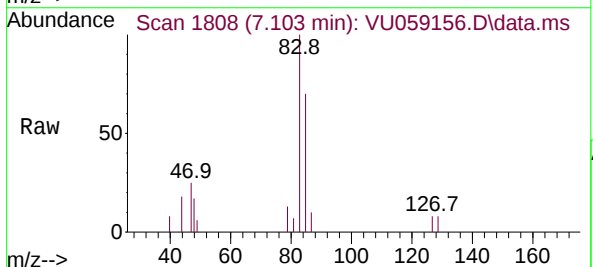
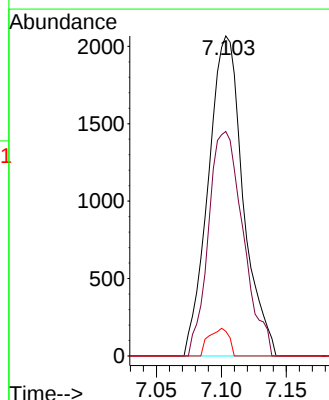
Tgt Ion: 83 Resp: 3851

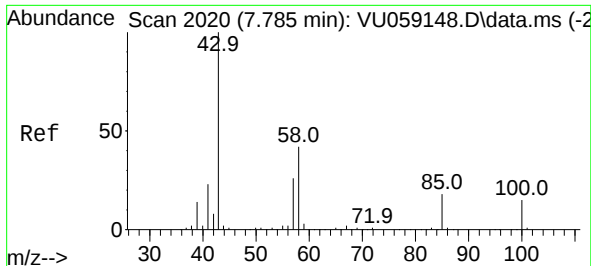
Ion Ratio Lower Upper

83 100

85 70.1 51.0 76.4

127 7.7 6.4 9.6

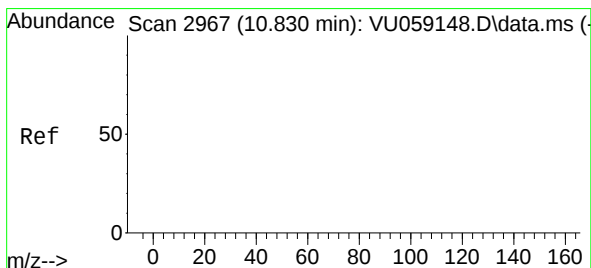
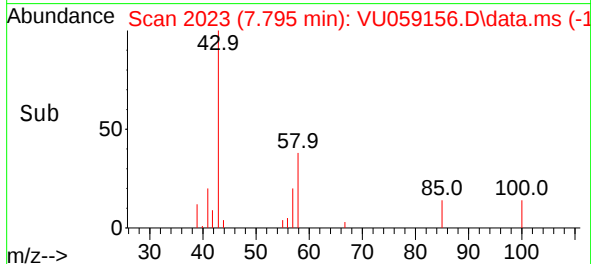
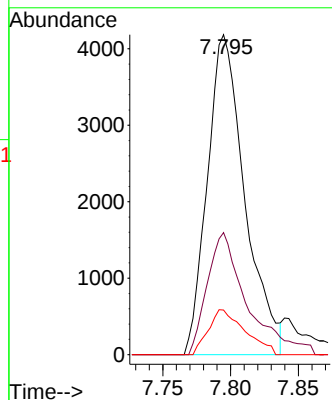
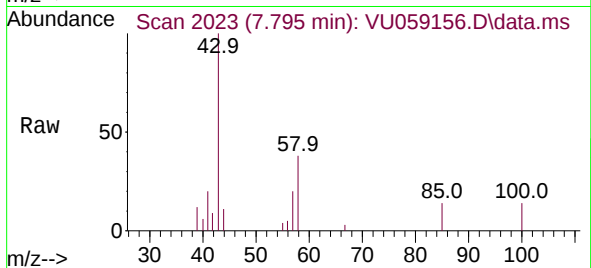




#45  
4-Methyl-2-Pentanone  
Concen: 1.264 ug/l  
RT: 7.795 min Scan# 2020  
Delta R.T. 0.010 min  
Lab File: VU059156.D  
Acq: 05 Jun 2024 18:26

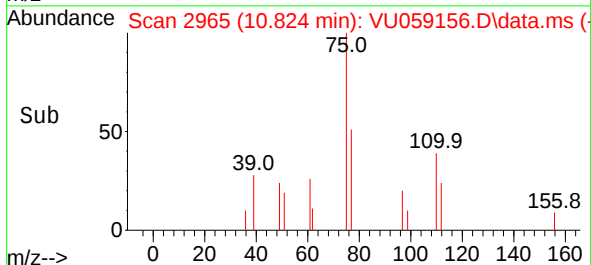
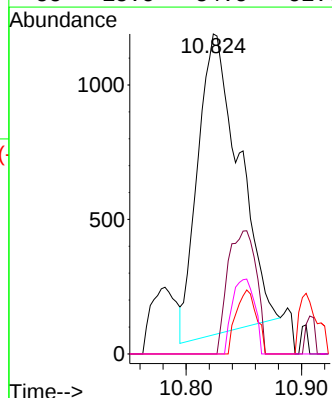
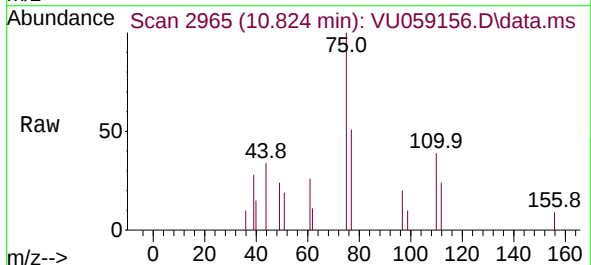
Instrument :  
MSVOA\_U  
ClientSampleId :

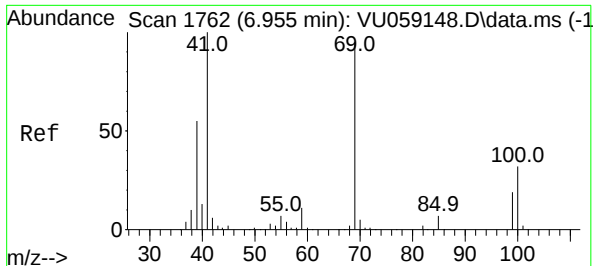
Tgt Ion: 43 Resp: 8044  
Ion Ratio Lower Upper  
43 100  
58 40.6 21.1 63.3  
85 13.8 14.6 22.0#



#46  
t-1,4-Dichloro-2-butene  
Concen: 1.027 ug/l  
RT: 10.824 min Scan# 2965  
Delta R.T. -0.006 min  
Lab File: VU059156.D  
Acq: 05 Jun 2024 18:26

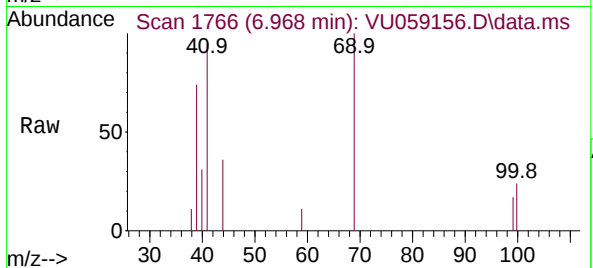
Tgt Ion: 75 Resp: 2773  
Ion Ratio Lower Upper  
75 100  
53 28.2 72.2 108.4#  
89 10.5 47.0 70.4#  
88 13.5 34.5 51.7#



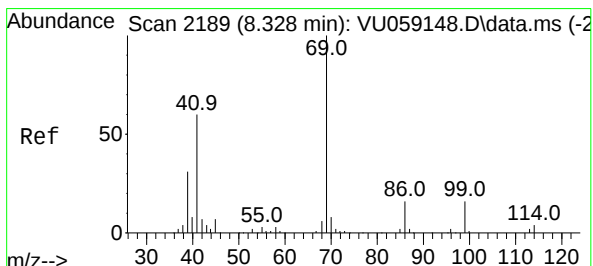
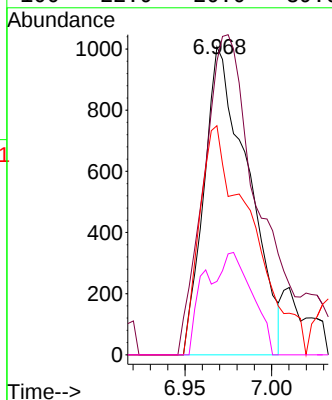
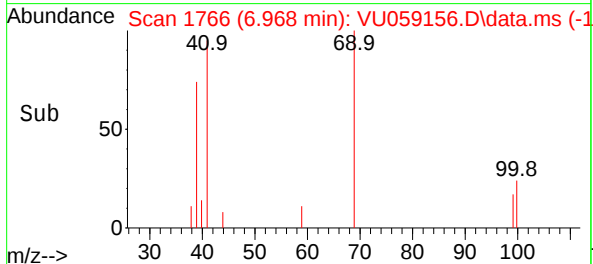


#47  
Methyl methacrylate  
Concen: 0.349 ug/l  
RT: 6.968 min Scan# 1766  
Delta R.T. 0.013 min  
Lab File: VU059156.D  
Acq: 05 Jun 2024 18:26

Instrument :  
MSVOA\_U  
ClientSampleId :

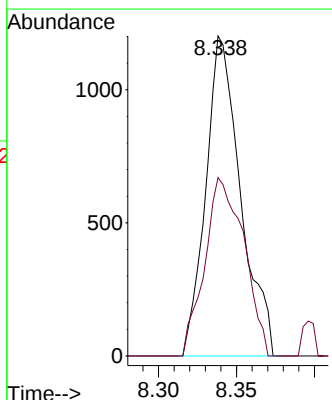
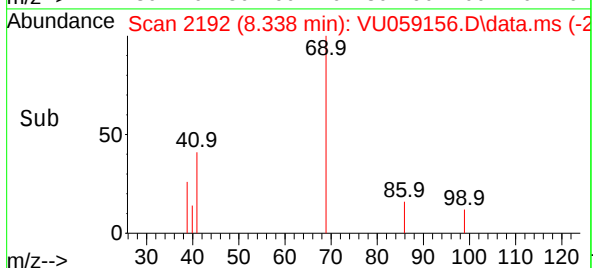
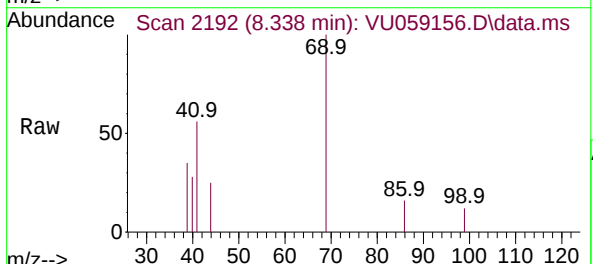


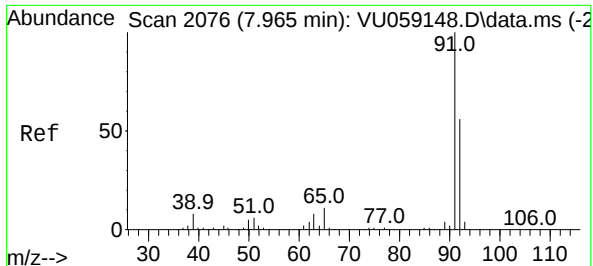
Tgt Ion: 69 Resp: 1779  
Ion Ratio Lower Upper  
69 100  
41 127.8 0.0 208.8  
39 87.6 46.0 69.0#  
100 22.9 26.0 39.0#



#48  
Ethyl methacrylate  
Concen: 0.207 ug/l  
RT: 8.338 min Scan# 2192  
Delta R.T. 0.010 min  
Lab File: VU059156.D  
Acq: 05 Jun 2024 18:26

Tgt Ion: 69 Resp: 1864  
Ion Ratio Lower Upper  
69 100  
41 62.7 30.2 90.6





#49

Toluene

Concen: 0.222 ug/l

RT: 7.972 min Scan# 2076

Delta R.T. 0.007 min

Lab File: VU059156.D

Acq: 05 Jun 2024 18:26

Instrument :

MSVOA\_U

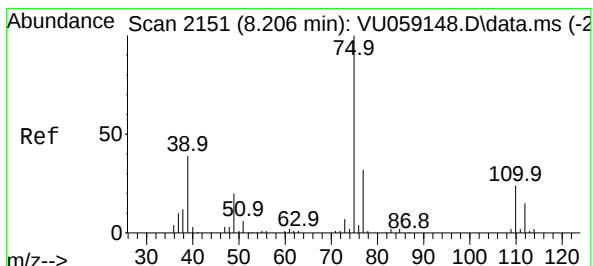
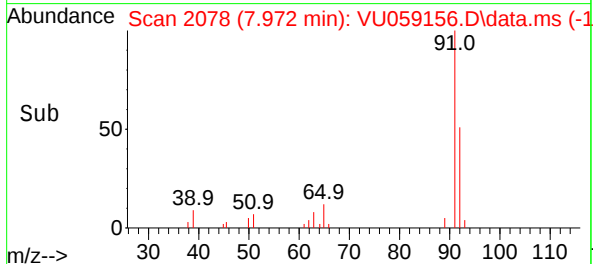
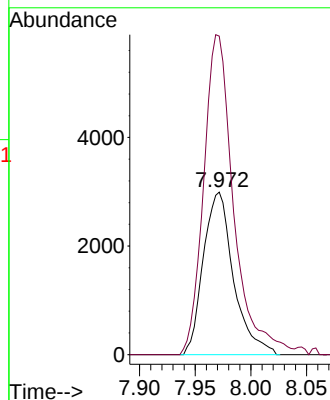
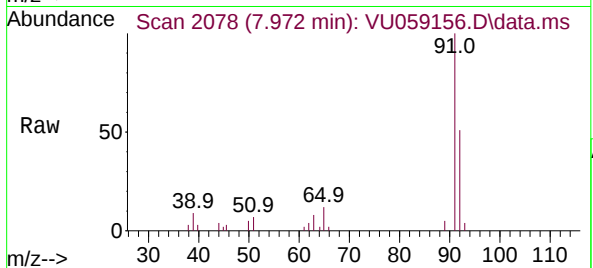
ClientSampleId :

Tgt Ion: 92 Resp: 5652

Ion Ratio Lower Upper

92 100

91 195.7 143.4 215.0



#50

t-1,3-Dichloropropene

Concen: 0.242 ug/l

RT: 8.213 min Scan# 2153

Delta R.T. 0.007 min

Lab File: VU059156.D

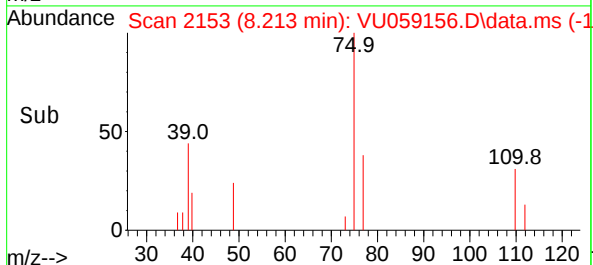
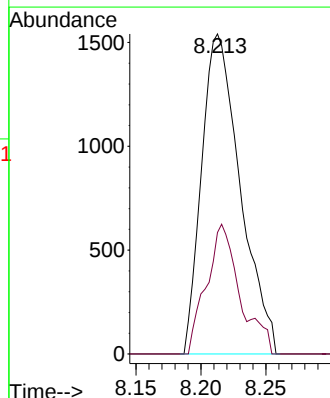
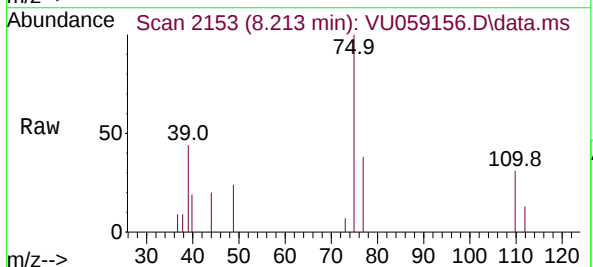
Acq: 05 Jun 2024 18:26

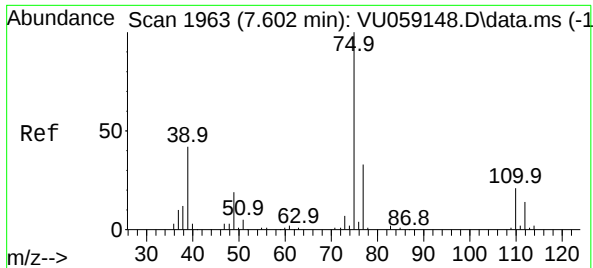
Tgt Ion: 75 Resp: 3189

Ion Ratio Lower Upper

75 100

77 38.0 25.3 37.9#

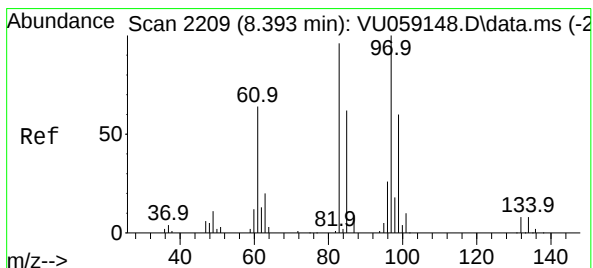
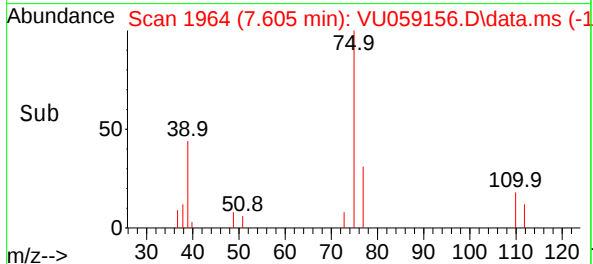
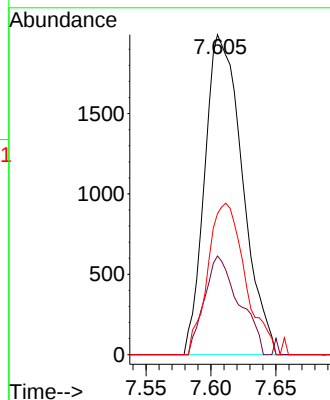
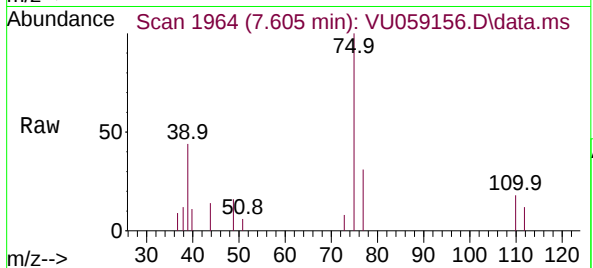




#51  
 cis-1,3-Dichloropropene  
 Concen: 0.249 ug/l  
 RT: 7.605 min Scan# 1963  
 Delta R.T. 0.003 min  
 Lab File: VU059156.D  
 Acq: 05 Jun 2024 18:26

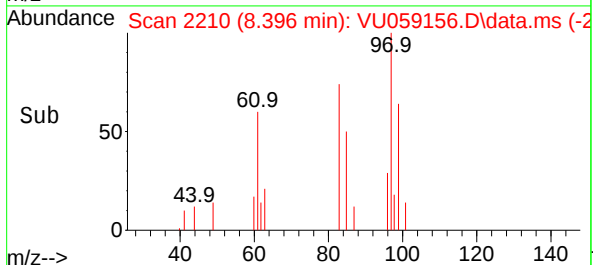
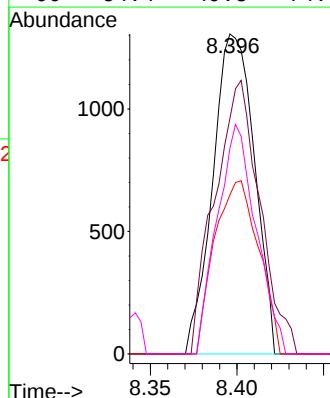
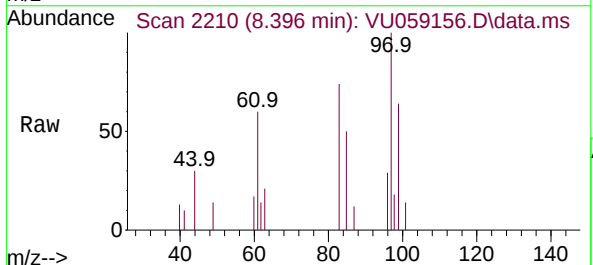
Instrument :  
 MSVOA\_U  
 ClientSampleId :

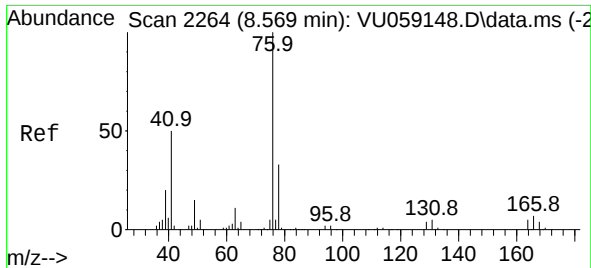
Tgt Ion: 75 Resp: 4013  
 Ion Ratio Lower Upper  
 75 100  
 77 30.8 26.0 39.0  
 39 44.0 33.2 49.8



#52  
 1,1,2-Trichloroethane  
 Concen: 0.249 ug/l  
 RT: 8.396 min Scan# 2210  
 Delta R.T. 0.003 min  
 Lab File: VU059156.D  
 Acq: 05 Jun 2024 18:26

Tgt Ion: 97 Resp: 2181  
 Ion Ratio Lower Upper  
 97 100  
 83 62.2 76.4 114.6#  
 85 42.0 49.6 74.4#  
 99 54.4 49.8 74.8

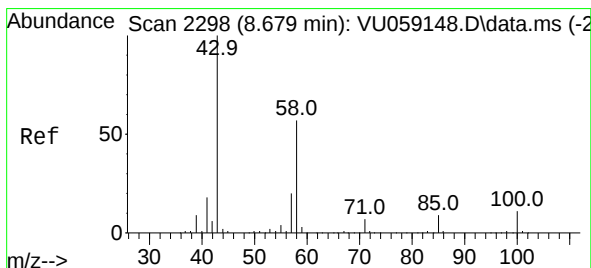
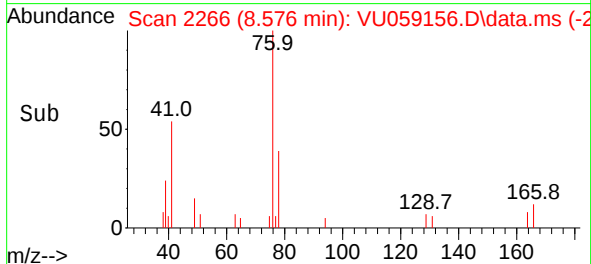
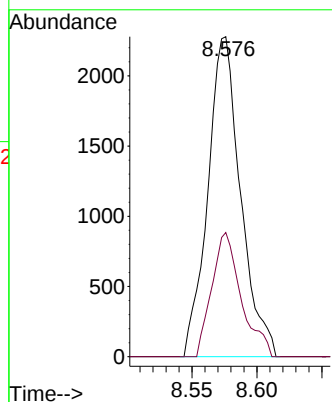
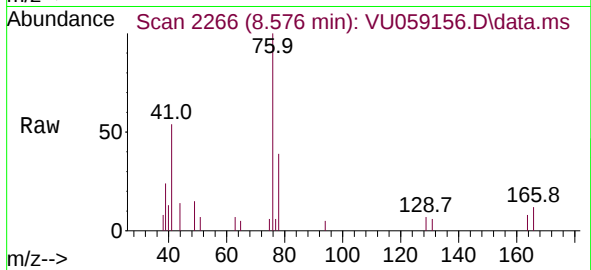




#53  
1,3-Dichloropropane  
Concen: 0.264 ug/l  
RT: 8.576 min Scan# 21  
Delta R.T. 0.007 min  
Lab File: VU059156.D  
Acq: 05 Jun 2024 18:26

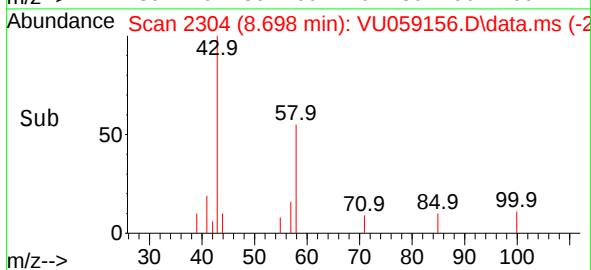
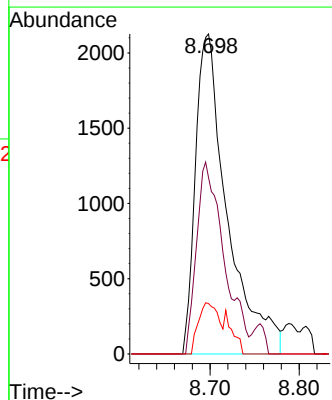
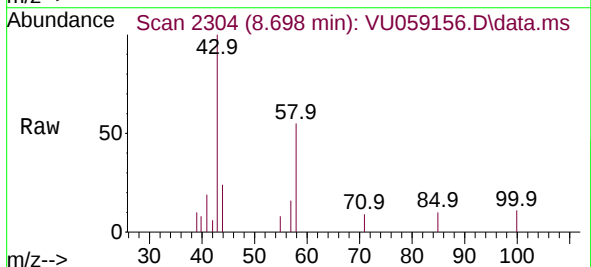
Instrument :  
MSVOA\_U  
ClientSampleId :

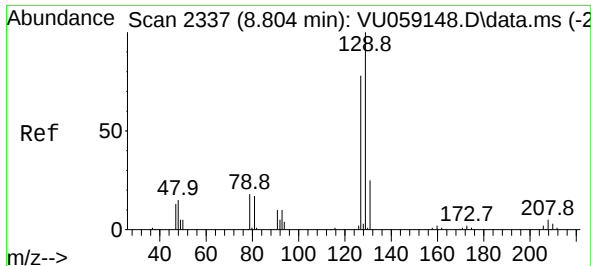
Tgt Ion: 76 Resp: 3992  
Ion Ratio Lower Upper  
76 100  
78 34.8 25.4 38.2



#54  
2-Hexanone  
Concen: 1.070 ug/l  
RT: 8.698 min Scan# 2304  
Delta R.T. 0.019 min  
Lab File: VU059156.D  
Acq: 05 Jun 2024 18:26

Tgt Ion: 43 Resp: 5276  
Ion Ratio Lower Upper  
43 100  
58 51.6 38.6 78.6  
57 10.3 0.0 39.5





#55

Dibromochloromethane

Concen: 0.235 ug/l

RT: 8.804 min Scan# 2337

Delta R.T. 0.000 min

Lab File: VU059156.D

Acq: 05 Jun 2024 18:26

Instrument :

MSVOA\_U

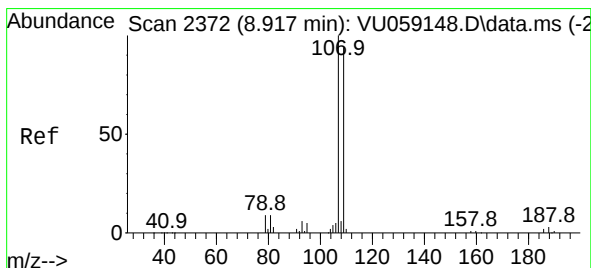
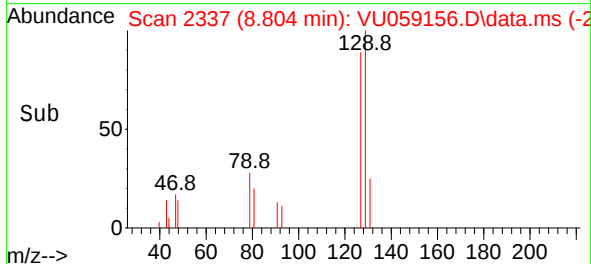
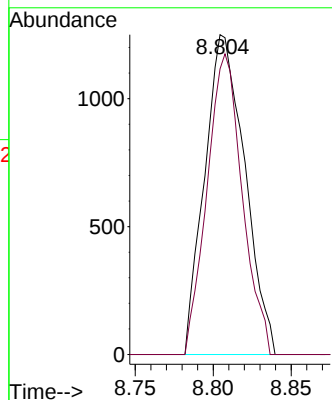
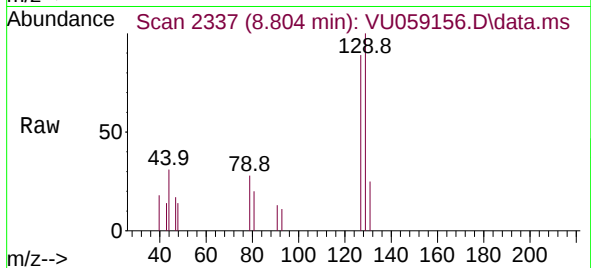
ClientSampleId :

Tgt Ion:129 Resp: 2233

Ion Ratio Lower Upper

129 100

127 82.6 61.9 92.9



#56

1,2-Dibromoethane

Concen: 0.254 ug/l

RT: 8.920 min Scan# 2373

Delta R.T. 0.003 min

Lab File: VU059156.D

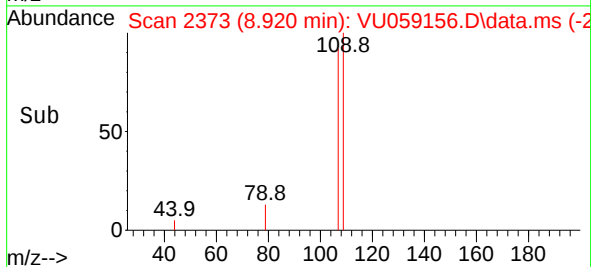
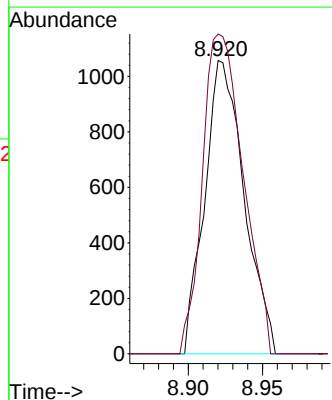
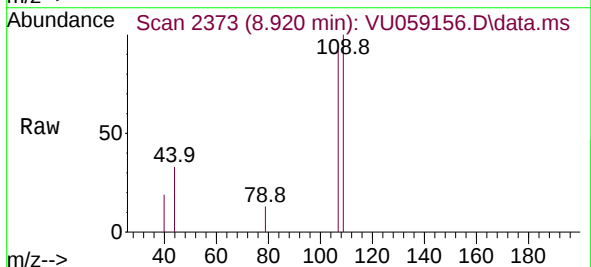
Acq: 05 Jun 2024 18:26

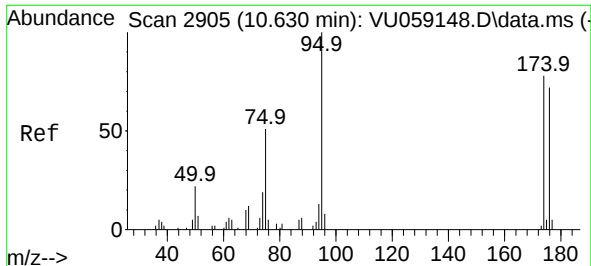
Tgt Ion:107 Resp: 1954

Ion Ratio Lower Upper

107 100

109 112.7 0.0 188.2





#57

4-Bromofluorobenzene

Concen: 0.899 ug/l

RT: 10.631 min Scan# 2905

Delta R.T. 0.000 min

Lab File: VU059156.D

Acq: 05 Jun 2024 18:26

Instrument :

MSVOA\_U

ClientSampleId :

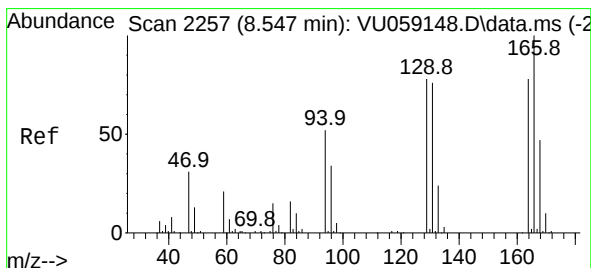
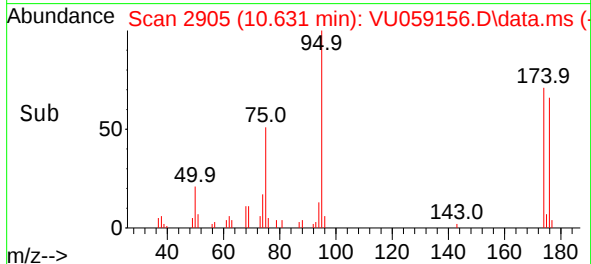
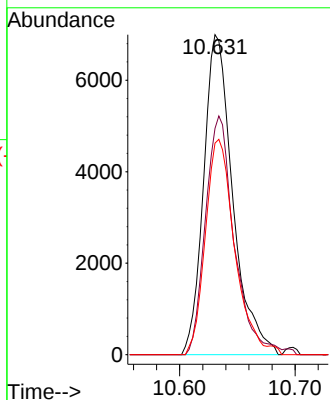
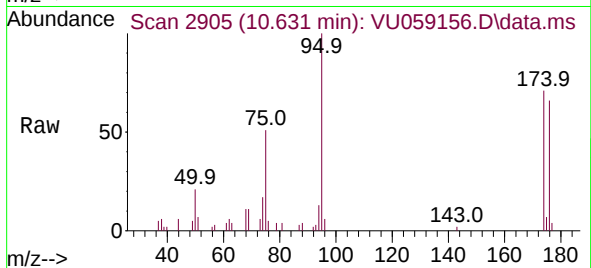
Tgt Ion: 95 Resp: 12282

Ion Ratio Lower Upper

95 100

174 73.9 59.6 89.4

176 67.8 57.3 85.9



#58

Tetrachloroethene

Concen: 0.267 ug/l

RT: 8.550 min Scan# 2258

Delta R.T. 0.003 min

Lab File: VU059156.D

Acq: 05 Jun 2024 18:26

Tgt Ion: 164 Resp: 2714

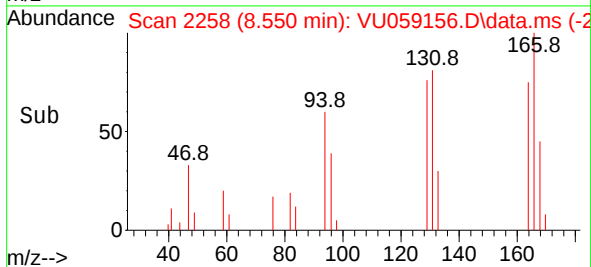
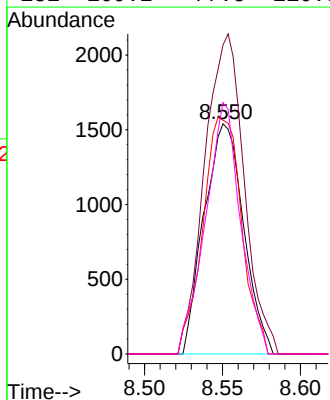
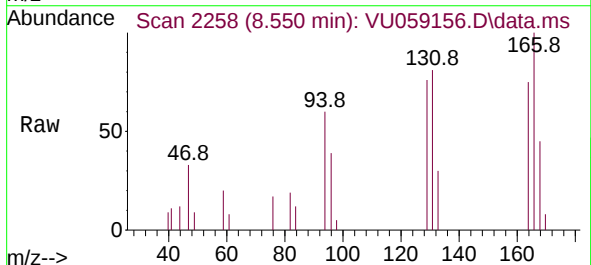
Ion Ratio Lower Upper

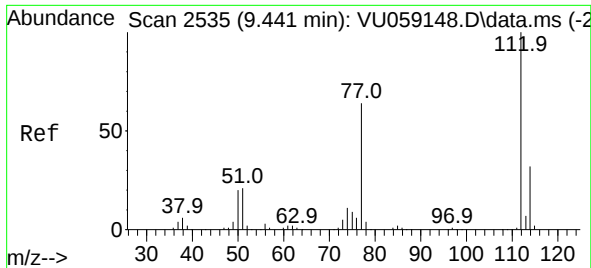
164 100

166 134.2 102.6 153.8

129 101.6 80.3 120.5

131 109.2 77.5 116.3





#59

Chlorobenzene

Concen: 0.274 ug/l

RT: 9.451 min Scan# 2538

Delta R.T. 0.010 min

Lab File: VU059156.D

Acq: 05 Jun 2024 18:26

Instrument :

MSVOA\_U

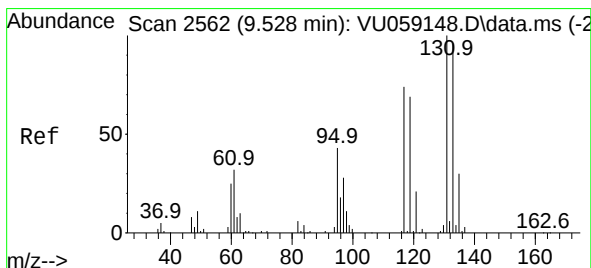
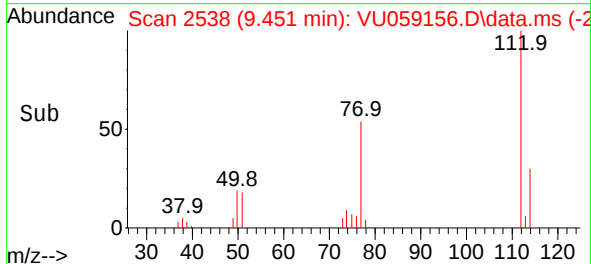
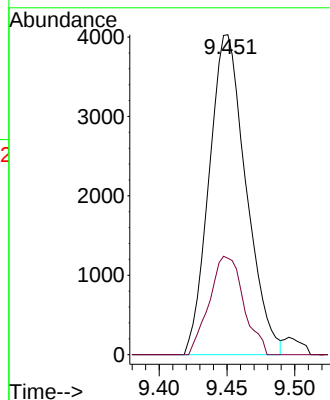
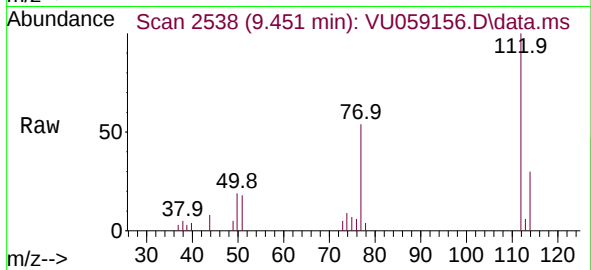
ClientSampleId :

Tgt Ion:112 Resp: 7634

Ion Ratio Lower Upper

112 100

114 30.1 25.6 38.4



#60

1,1,1,2-Tetrachloroethane

Concen: 0.250 ug/l

RT: 9.531 min Scan# 2563

Delta R.T. 0.003 min

Lab File: VU059156.D

Acq: 05 Jun 2024 18:26

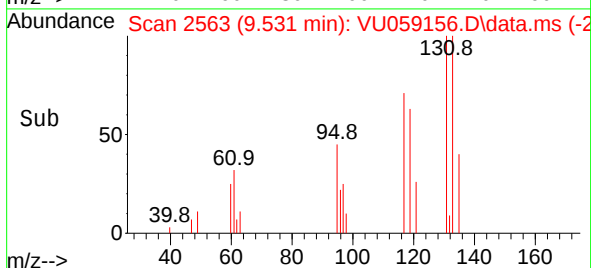
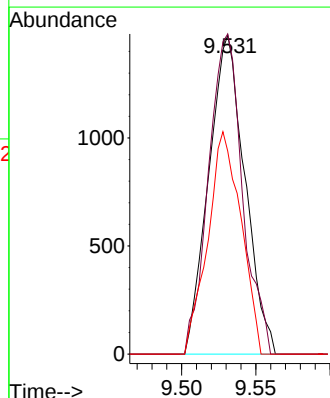
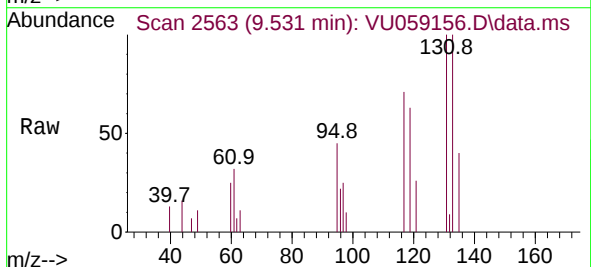
Tgt Ion:131 Resp: 2491

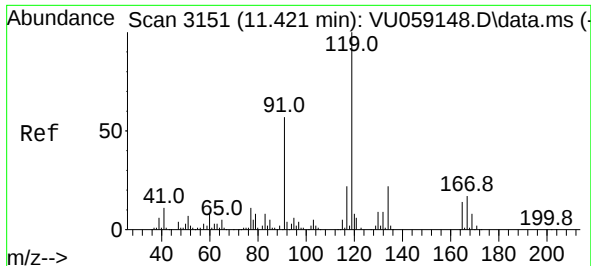
Ion Ratio Lower Upper

131 100

133 94.6 76.7 115.1

119 64.2 55.3 82.9

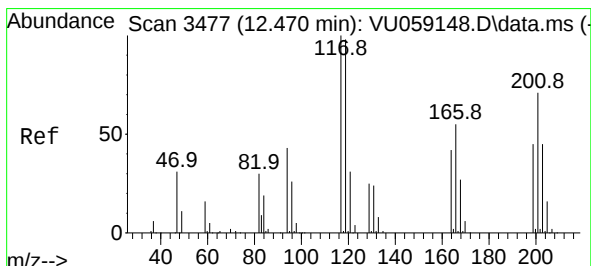
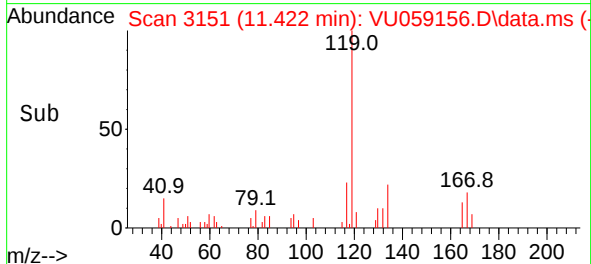
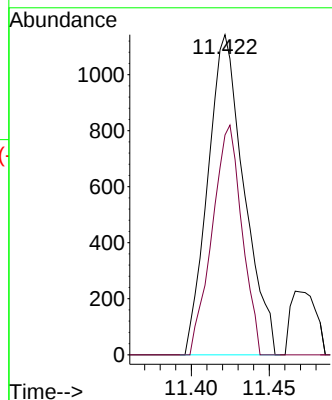
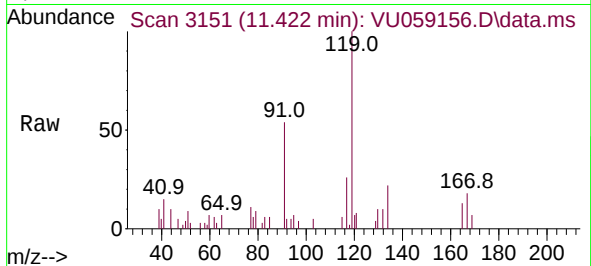




#61  
Pentachloroethane  
Concen: 0.239 ug/l  
RT: 11.422 min Scan# 3151  
Delta R.T. 0.000 min  
Lab File: VU059156.D  
Acq: 05 Jun 2024 18:26

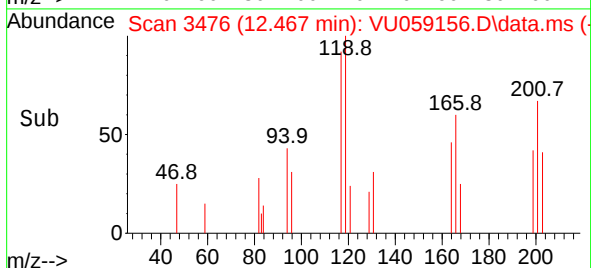
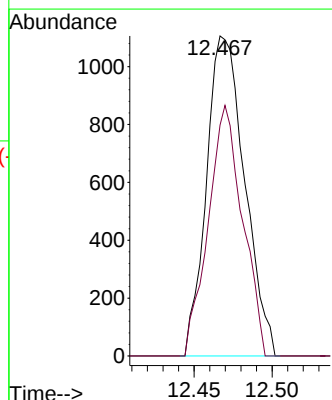
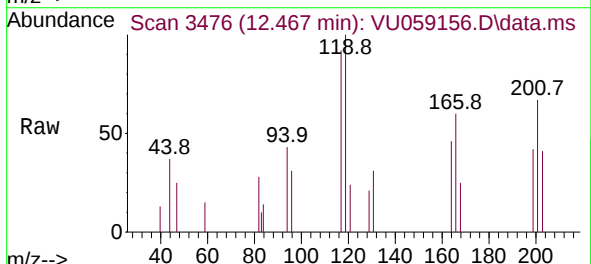
Instrument :  
MSVOA\_U  
ClientSampleId :

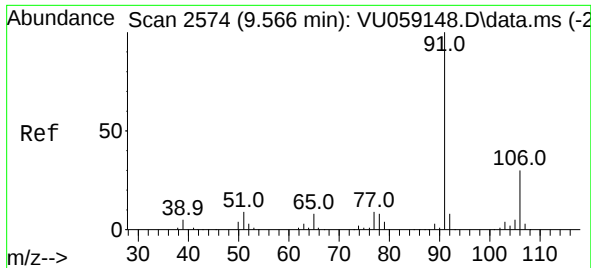
Tgt Ion:117 Resp: 1847  
Ion Ratio Lower Upper  
117 100  
167 59.0 58.1 87.1



#62  
Hexachloroethane  
Concen: 0.240 ug/l  
RT: 12.467 min Scan# 3476  
Delta R.T. -0.003 min  
Lab File: VU059156.D  
Acq: 05 Jun 2024 18:26

Tgt Ion:117 Resp: 1884  
Ion Ratio Lower Upper  
117 100  
201 70.2 55.8 83.8

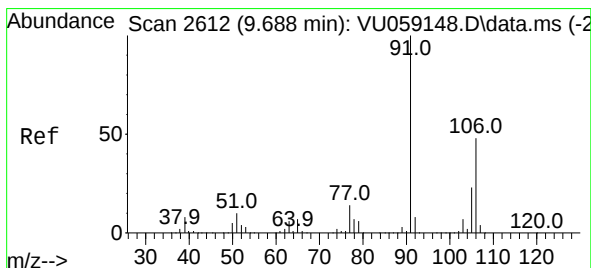
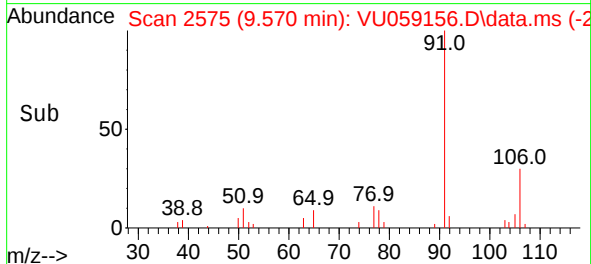
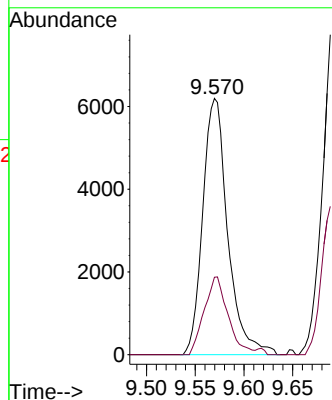
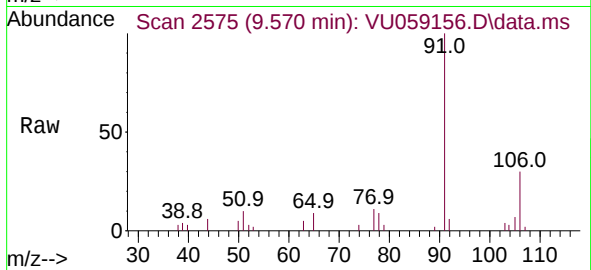




#63  
Ethyl Benzene  
Concen: 0.235 ug/l  
RT: 9.570 min Scan# 2574  
Delta R.T. 0.003 min  
Lab File: VU059156.D  
Acq: 05 Jun 2024 18:26

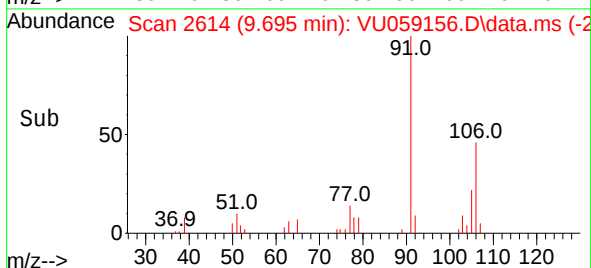
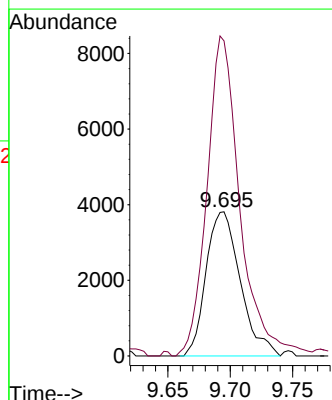
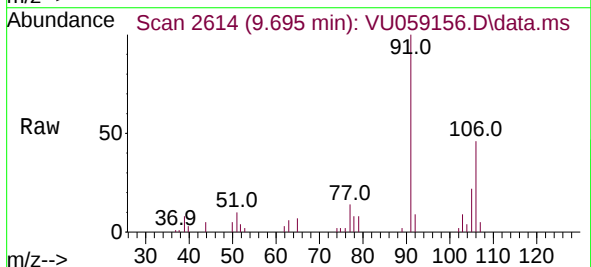
Instrument :  
MSVOA\_U  
ClientSampleId :

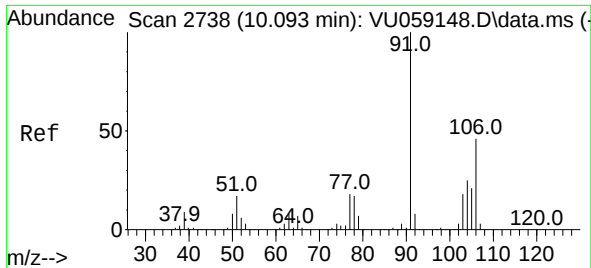
Tgt Ion: 91 Resp: 11047  
Ion Ratio Lower Upper  
91 100  
106 30.2 23.9 35.9



#64  
m/p-Xylenes  
Concen: 0.411 ug/l  
RT: 9.695 min Scan# 2614  
Delta R.T. 0.007 min  
Lab File: VU059156.D  
Acq: 05 Jun 2024 18:26

Tgt Ion:106 Resp: 7285  
Ion Ratio Lower Upper  
106 100  
91 214.0 166.4 249.6

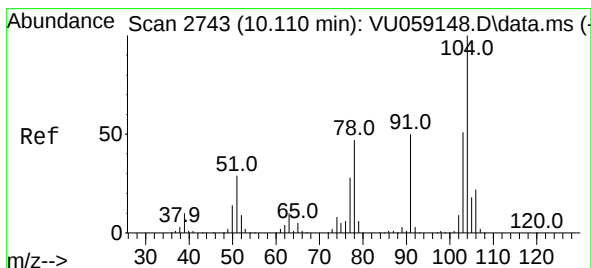
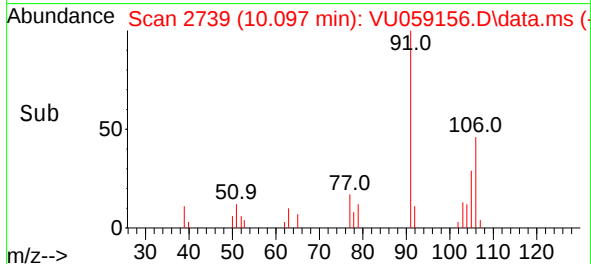
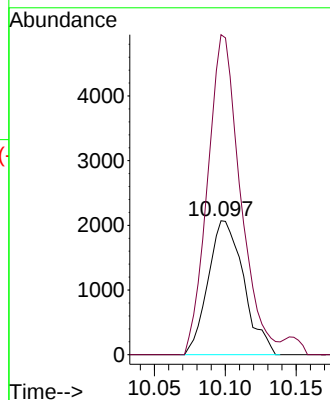
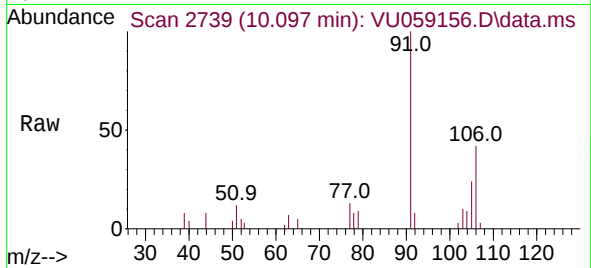




#65  
o-Xylene  
Concen: 0.207 ug/l  
RT: 10.097 min Scan# 2739  
Delta R.T. 0.003 min  
Lab File: VU059156.D  
Acq: 05 Jun 2024 18:26

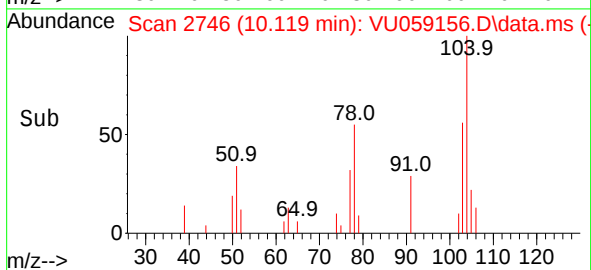
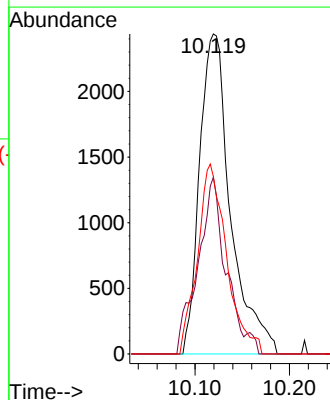
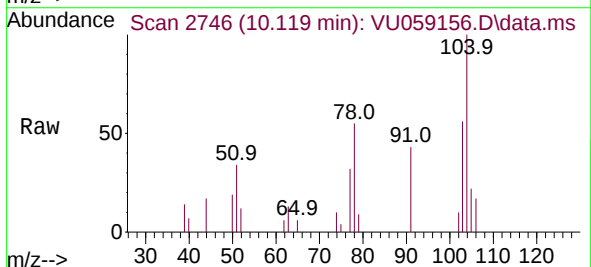
Instrument :  
MSVOA\_U  
ClientSampleId :

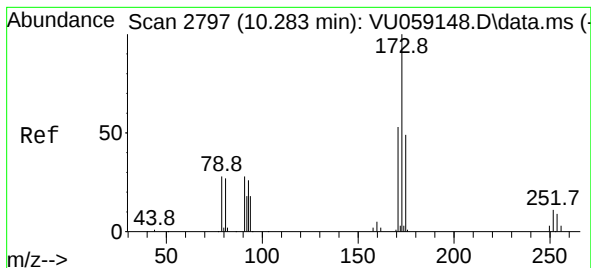
Tgt Ion:106 Resp: 3619  
Ion Ratio Lower Upper  
106 100  
91 220.4 110.7 332.1



#66  
Styrene  
Concen: 0.199 ug/l  
RT: 10.119 min Scan# 2746  
Delta R.T. 0.010 min  
Lab File: VU059156.D  
Acq: 05 Jun 2024 18:26

Tgt Ion:104 Resp: 5547  
Ion Ratio Lower Upper  
104 100  
78 48.5 41.6 62.4  
103 55.9 44.6 66.8





#67

Bromoform

Concen: 0.273 ug/l

RT: 10.287 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU059156.D

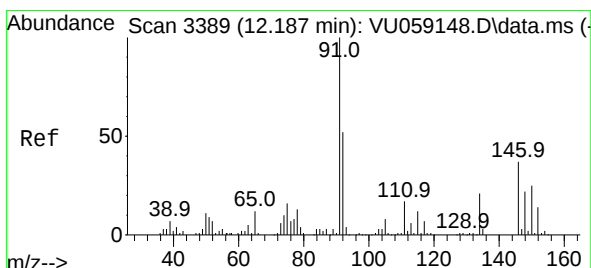
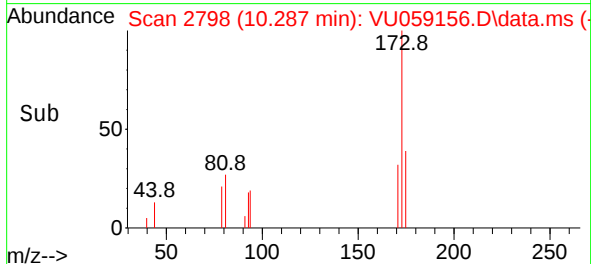
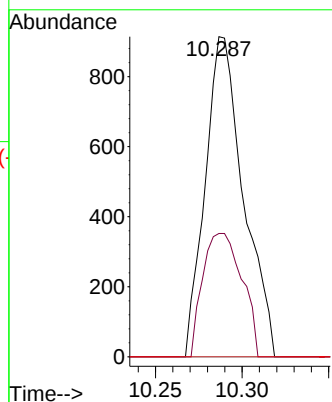
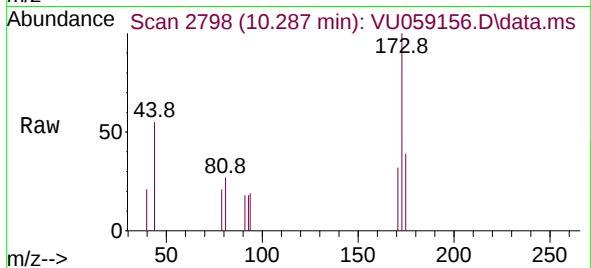
Acq: 05 Jun 2024 18:26

Instrument :

MSVOA\_U

ClientSampleId :

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:173 | Resp: | 1404       |
| Ion Ratio   | Lower | Upper      |
| 173         | 100   |            |
| 175         | 39.5  | 40.1 60.1# |
| 254         | 0.0   | 7.0 10.4#  |



#68

1,2-Dichlorobenzene-d4

Concen: 0.840 ug/l

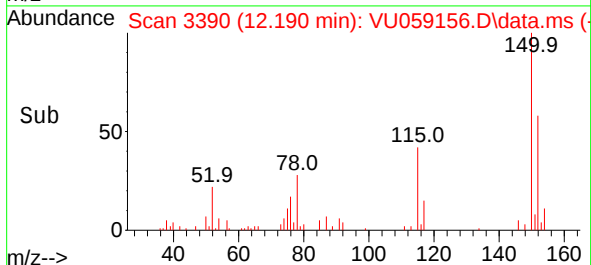
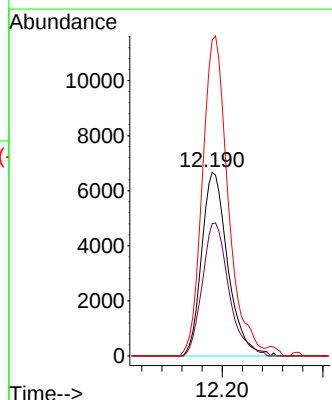
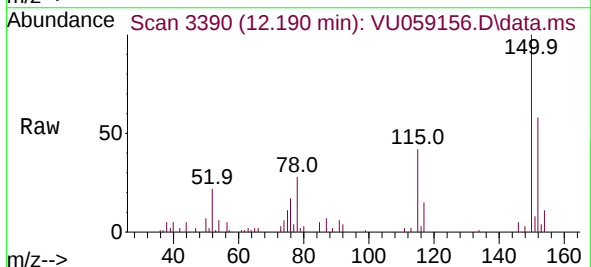
RT: 12.190 min Scan# 3390

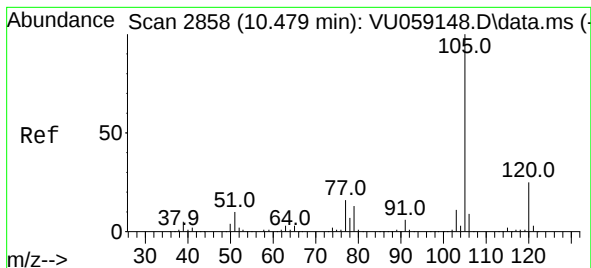
Delta R.T. 0.003 min

Lab File: VU059156.D

Acq: 05 Jun 2024 18:26

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:152 | Resp: | 12008     |
| Ion Ratio   | Lower | Upper     |
| 152         | 100   |           |
| 115         | 73.8  | 0.0 293.2 |
| 150         | 171.8 | 0.0 636.0 |





#69

Isopropylbenzene

Concen: 0.208 ug/l

RT: 10.480 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU059156.D

Acq: 05 Jun 2024 18:26

Instrument :

MSVOA\_U

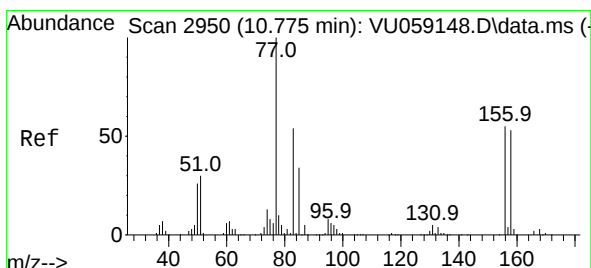
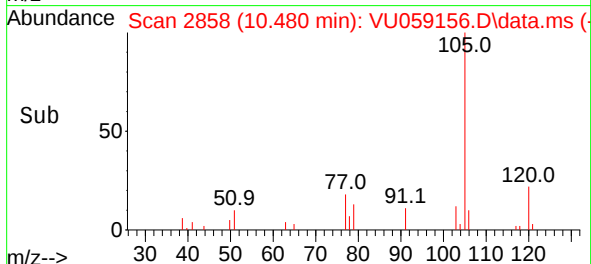
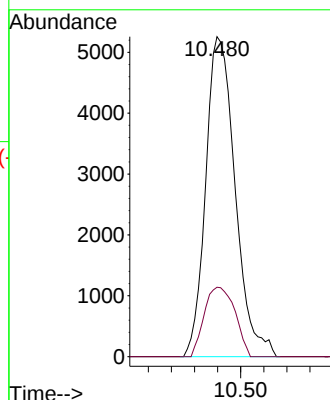
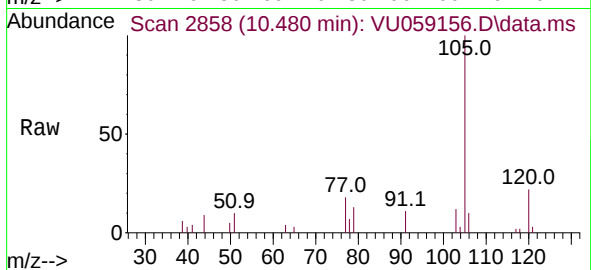
ClientSampleId :

Tgt Ion:105 Resp: 9311

Ion Ratio Lower Upper

105 100

120 22.6 12.7 38.0



#70

1,1,2,2-Tetrachloroethane

Concen: 0.289 ug/l

RT: 10.779 min Scan# 2951

Delta R.T. 0.003 min

Lab File: VU059156.D

Acq: 05 Jun 2024 18:26

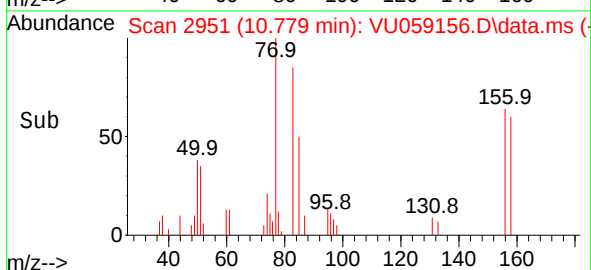
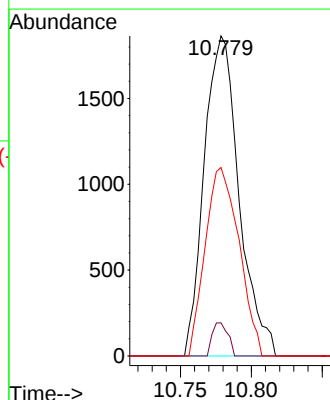
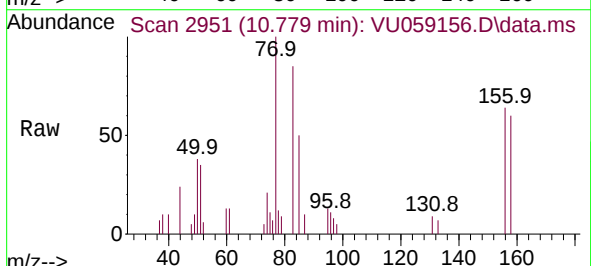
Tgt Ion: 83 Resp: 3185

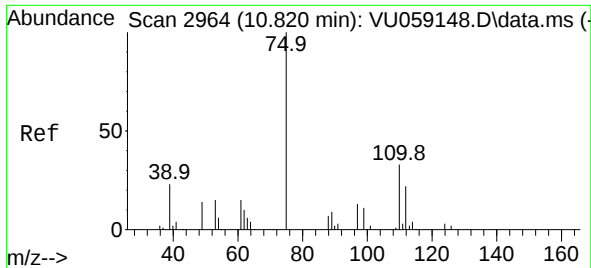
Ion Ratio Lower Upper

83 100

131 4.6 6.6 10.0#

85 57.1 50.1 75.1

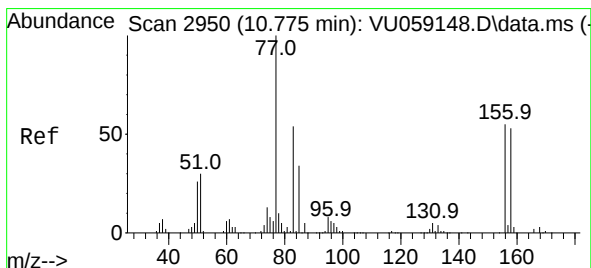
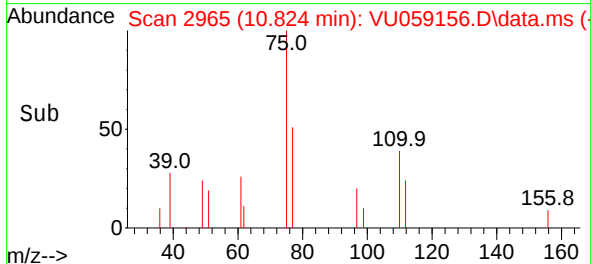
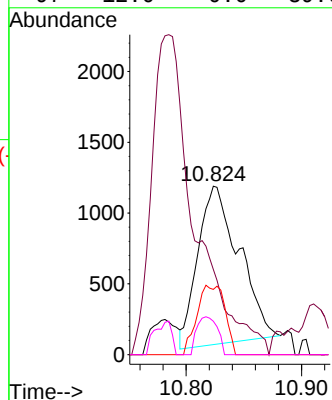
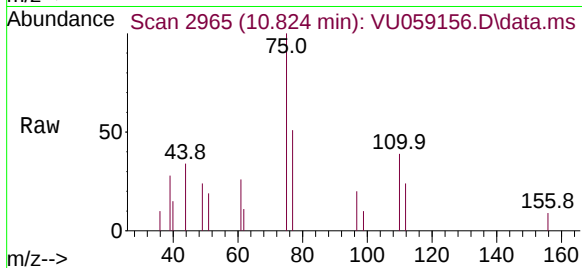




#71  
1,2,3-Trichloropropane  
Concen: 0.330 ug/l  
RT: 10.824 min Scan# 2964  
Delta R.T. 0.003 min  
Lab File: VU059156.D  
Acq: 05 Jun 2024 18:26

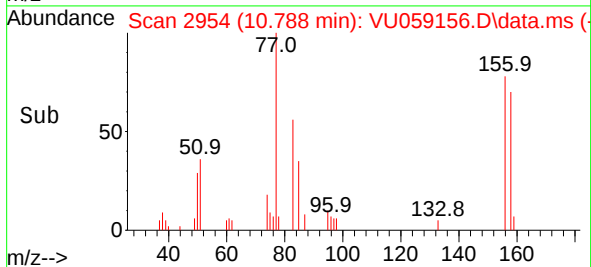
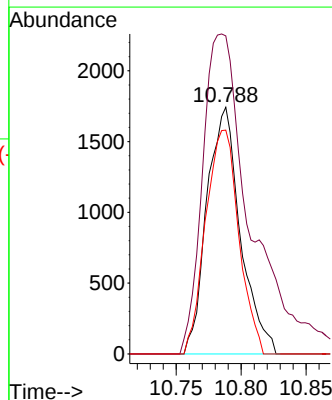
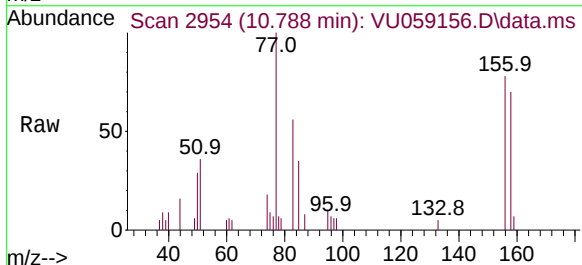
Instrument :  
MSVOA\_U  
ClientSampleId :

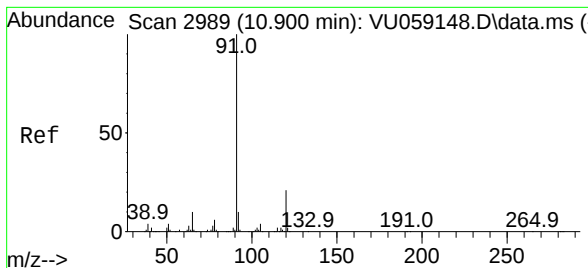
Tgt Ion: 75 Resp: 2773  
Ion Ratio Lower Upper  
75 100  
77 17.6 0.0 0.0#  
110 29.6 0.0 68.4  
97 12.0 0.0 39.6



#72  
Bromobenzene  
Concen: 0.292 ug/l  
RT: 10.788 min Scan# 2954  
Delta R.T. 0.013 min  
Lab File: VU059156.D  
Acq: 05 Jun 2024 18:26

Tgt Ion:156 Resp: 3129  
Ion Ratio Lower Upper  
156 100  
77 186.6 0.0 359.6  
158 89.6 0.0 192.2





#73

n-propylbenzene

Concen: 0.203 ug/l

RT: 10.904 min Scan# 2989

Delta R.T. 0.003 min

Lab File: VU059156.D

Acq: 05 Jun 2024 18:26

Instrument :

MSVOA\_U

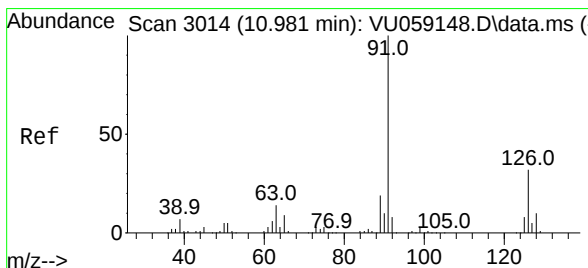
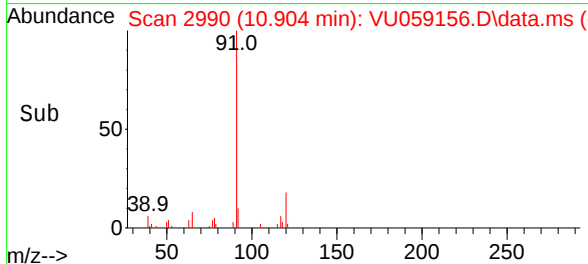
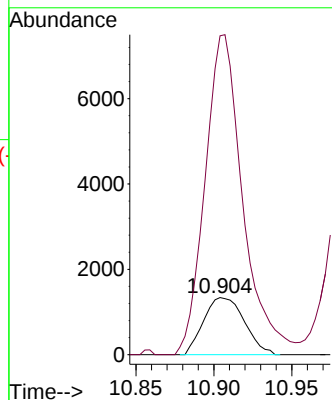
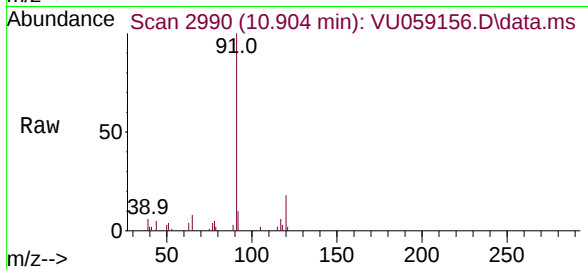
ClientSampleId :

Tgt Ion:120 Resp: 2434

Ion Ratio Lower Upper

120 100

91 519.8 378.6 567.8



#74

2-Chlorotoluene

Concen: 0.200 ug/l

RT: 10.988 min Scan# 3016

Delta R.T. 0.007 min

Lab File: VU059156.D

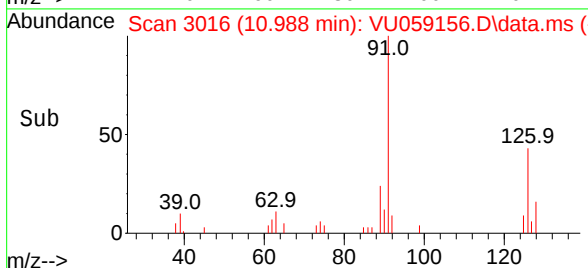
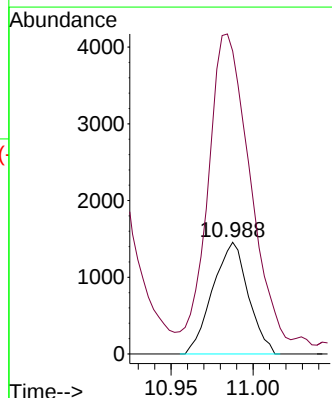
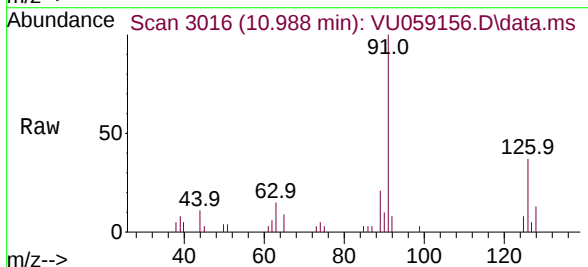
Acq: 05 Jun 2024 18:26

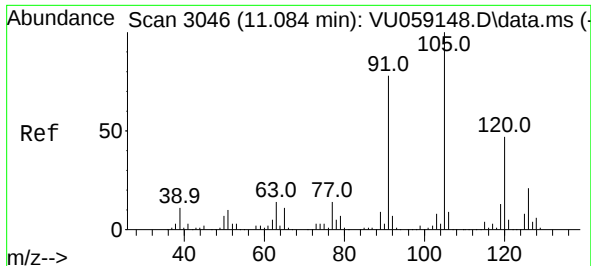
Tgt Ion:126 Resp: 2192

Ion Ratio Lower Upper

126 100

91 318.7 0.0 627.0





#75

1,3,5-Trimethylbenzene

Concen: 0.191 ug/l

RT: 11.087 min Scan# 3046

Delta R.T. 0.003 min

Lab File: VU059156.D

Acq: 05 Jun 2024 18:26

Instrument :

MSVOA\_U

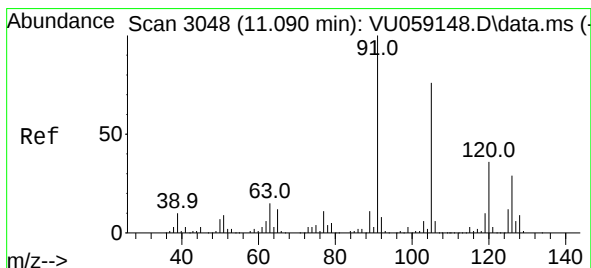
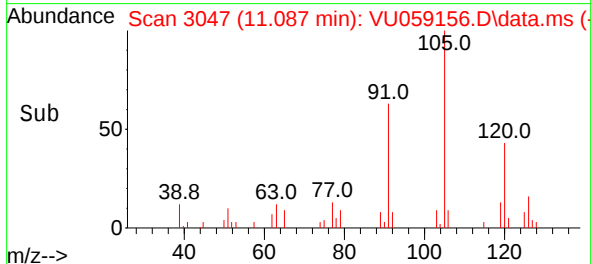
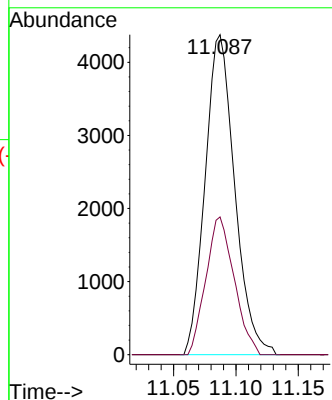
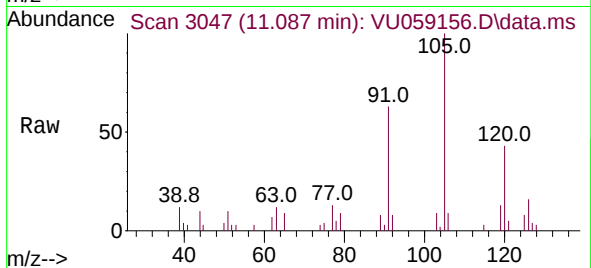
ClientSampleId :

Tgt Ion:105 Resp: 7226

Ion Ratio Lower Upper

105 100

120 41.1 37.5 56.3



#76

4-Chlorotoluene

Concen: 0.233 ug/l

RT: 11.100 min Scan# 3051

Delta R.T. 0.010 min

Lab File: VU059156.D

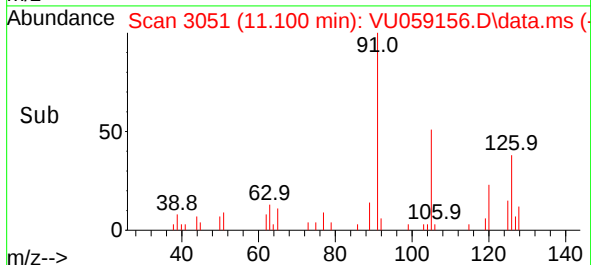
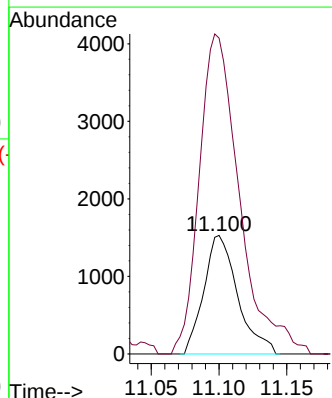
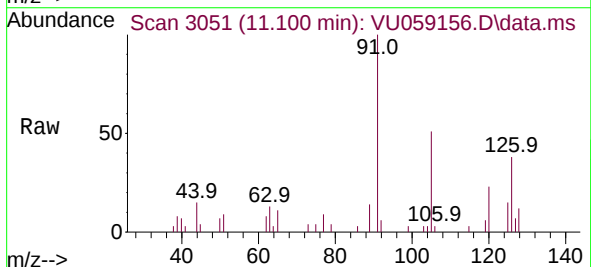
Acq: 05 Jun 2024 18:26

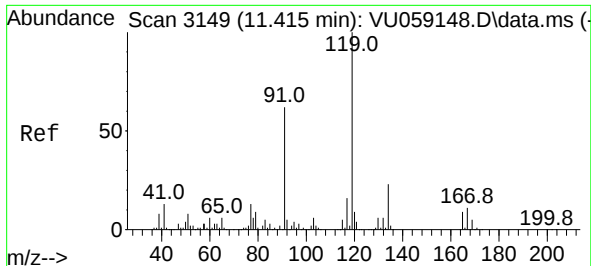
Tgt Ion:126 Resp: 2660

Ion Ratio Lower Upper

126 100

91 320.4 0.0 704.4





#77

tert-Butylbenzene

Concen: 0.212 ug/l

RT: 11.418 min Scan# 3149

Delta R.T. 0.003 min

Lab File: VU059156.D

Acq: 05 Jun 2024 18:26

Instrument :

MSVOA\_U

ClientSampleId :

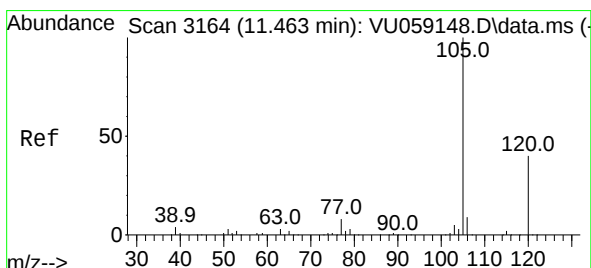
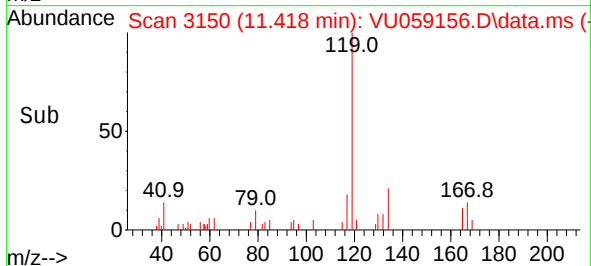
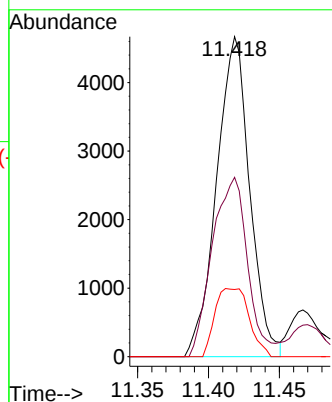
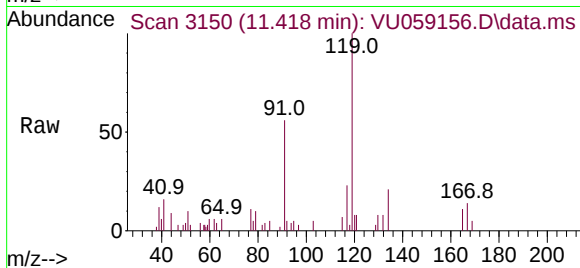
Tgt Ion:119 Resp: 7607

Ion Ratio Lower Upper

119 100

91 59.7 30.7 92.1

134 21.9 17.7 26.5



#78

1,2,4-Trimethylbenzene

Concen: 0.173 ug/l

RT: 11.467 min Scan# 3165

Delta R.T. 0.003 min

Lab File: VU059156.D

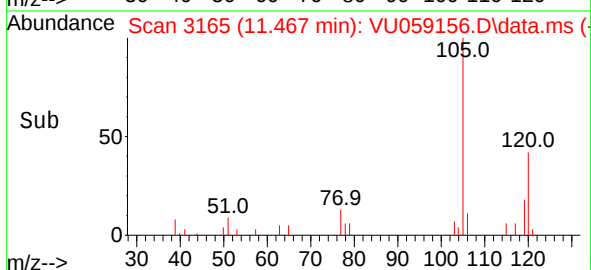
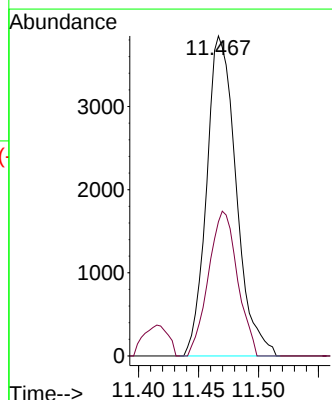
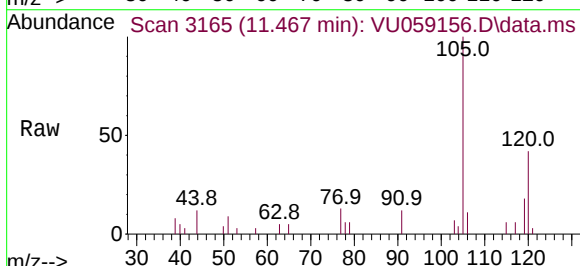
Acq: 05 Jun 2024 18:26

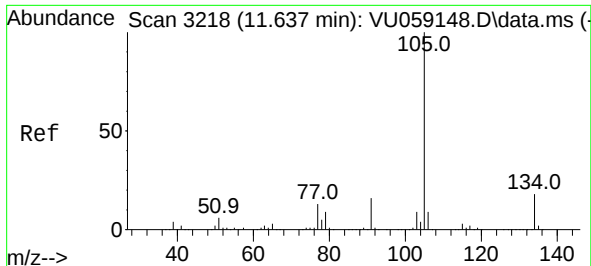
Tgt Ion:105 Resp: 6590

Ion Ratio Lower Upper

105 100

120 44.4 21.7 65.1





#79

sec-Butylbenzene

Concen: 0.189 ug/l

RT: 11.640 min Scan# 3218

Delta R.T. 0.003 min

Lab File: VU059156.D

Acq: 05 Jun 2024 18:26

Instrument :

MSVOA\_U

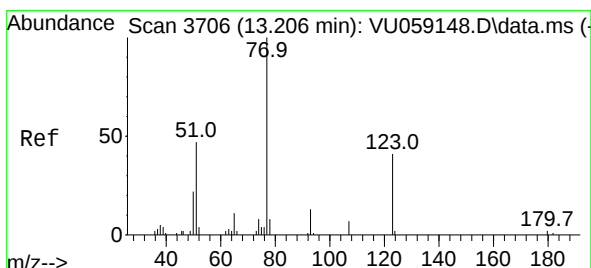
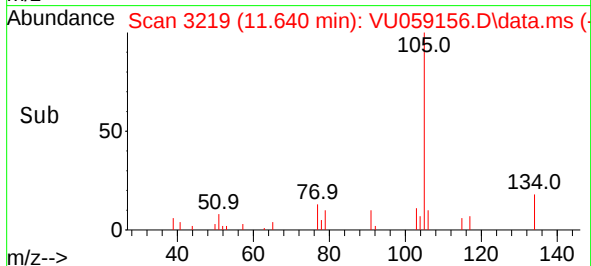
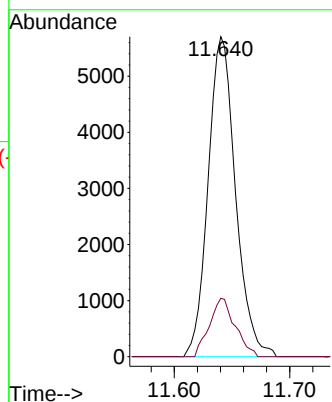
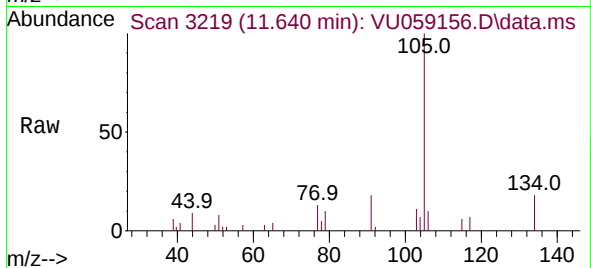
ClientSampleId :

Tgt Ion:105 Resp: 9421

Ion Ratio Lower Upper

105 100

134 17.0 14.5 21.7



#80

Nitrobenzene

Concen: 1.067 ug/l

RT: 13.241 min Scan# 3717

Delta R.T. 0.036 min

Lab File: VU059156.D

Acq: 05 Jun 2024 18:26

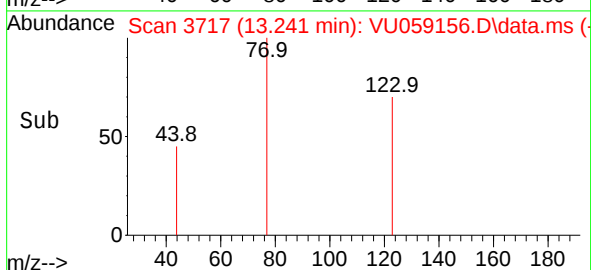
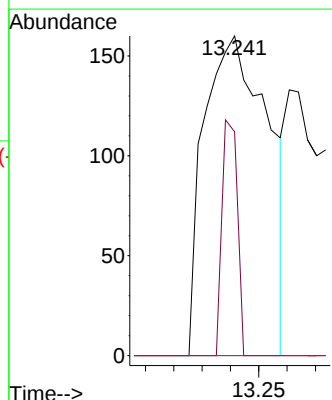
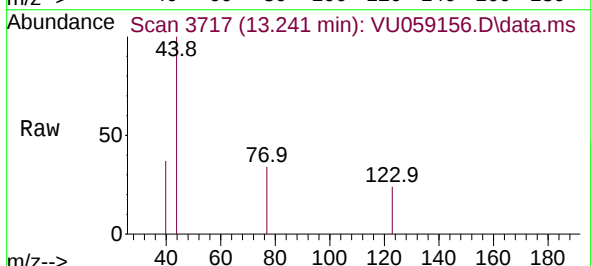
Tgt Ion: 77 Resp: 252

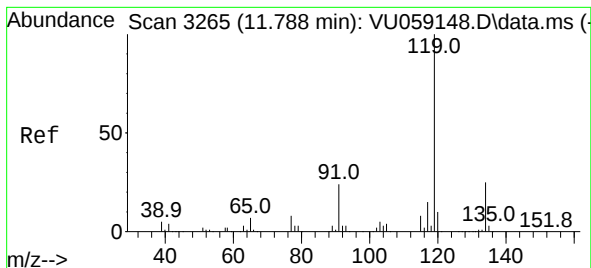
Ion Ratio Lower Upper

77 100

123 17.5 18.3 64.7#

65 0.0 10.6 13.4#





#81

p-Isopropyltoluene

Concen: 0.187 ug/l

RT: 11.788 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU059156.D

Acq: 05 Jun 2024 18:26

Instrument :

MSVOA\_U

ClientSampleId :

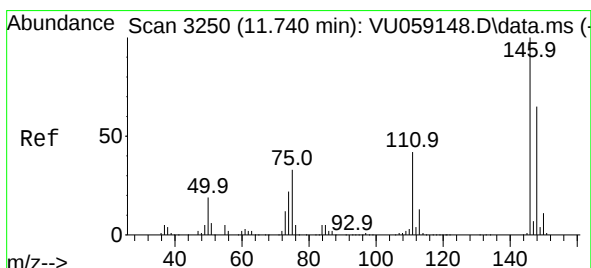
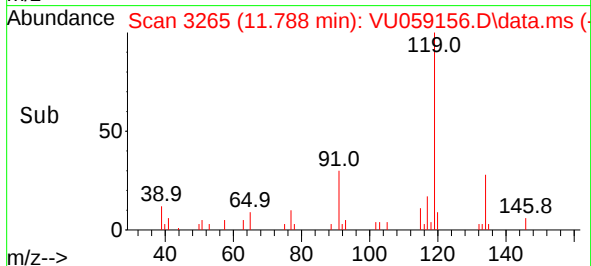
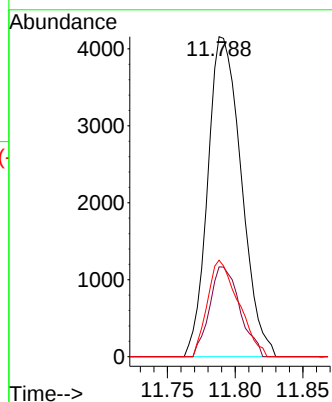
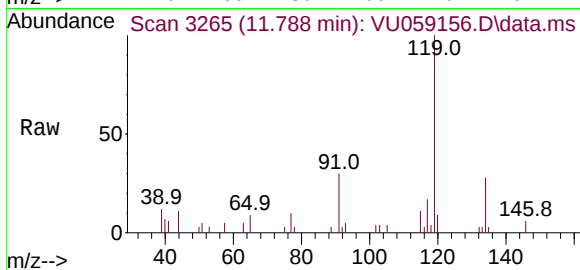
Tgt Ion:119 Resp: 7148

Ion Ratio Lower Upper

119 100

134 25.4 20.2 30.4

91 27.9 19.3 28.9



#82

1,3-Dichlorobenzene

Concen: 0.260 ug/l

RT: 11.746 min Scan# 3252

Delta R.T. 0.007 min

Lab File: VU059156.D

Acq: 05 Jun 2024 18:26

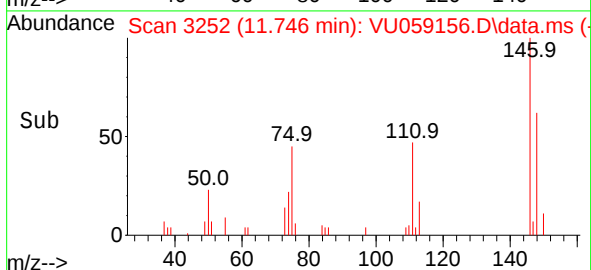
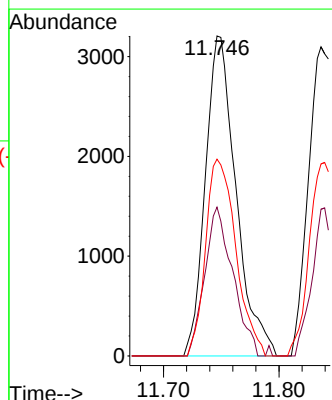
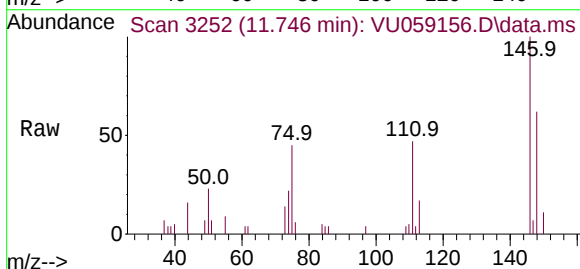
Tgt Ion:146 Resp: 5915

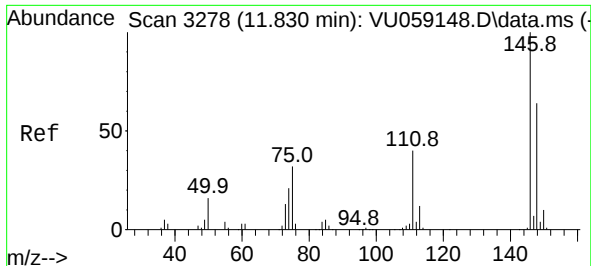
Ion Ratio Lower Upper

146 100

111 42.6 33.4 50.0

148 60.9 51.2 76.8





#83

1,4-Dichlorobenzene

Concen: 0.277 ug/l

RT: 11.836 min Scan# 31

Delta R.T. 0.007 min

Lab File: VU059156.D

Acq: 05 Jun 2024 18:26

Instrument :

MSVOA\_U

ClientSampleId :

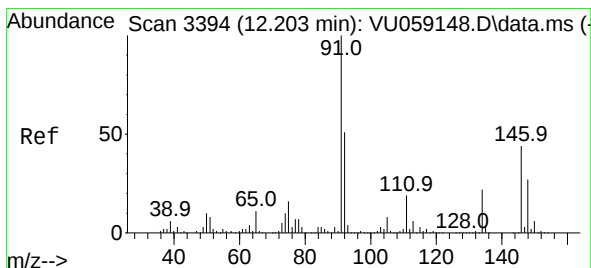
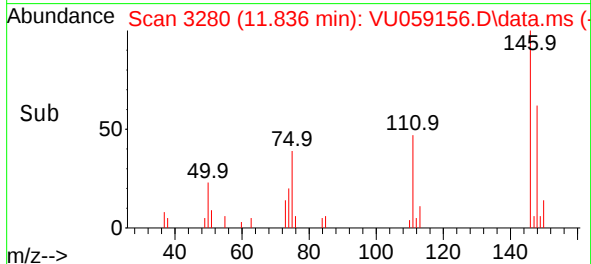
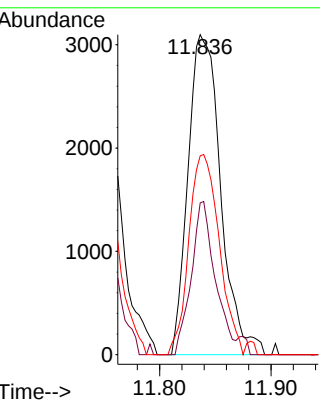
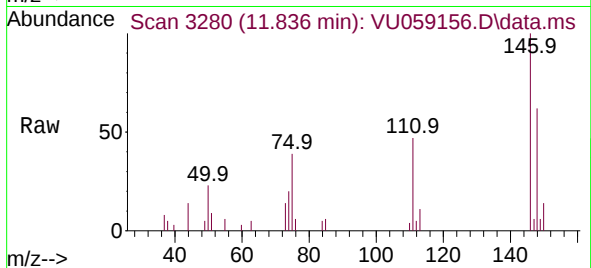
Tgt Ion:146 Resp: 6304

Ion Ratio Lower Upper

146 100

111 35.3 32.1 48.1

148 58.2 51.2 76.8



#84

n-Butylbenzene

Concen: 0.224 ug/l

RT: 12.209 min Scan# 3396

Delta R.T. 0.007 min

Lab File: VU059156.D

Acq: 05 Jun 2024 18:26

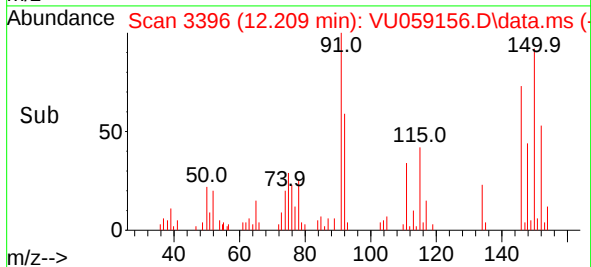
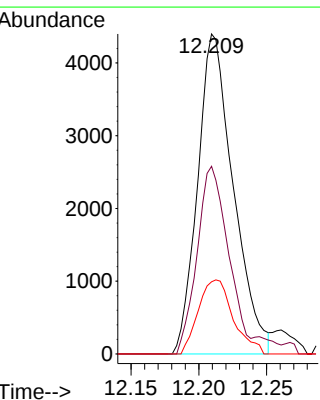
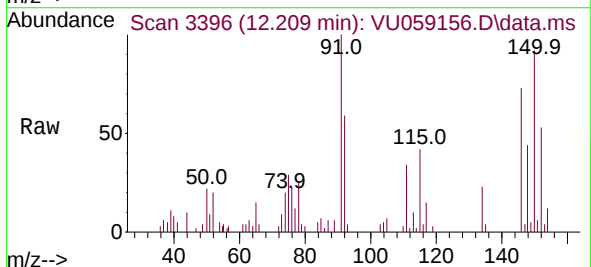
Tgt Ion: 91 Resp: 8060

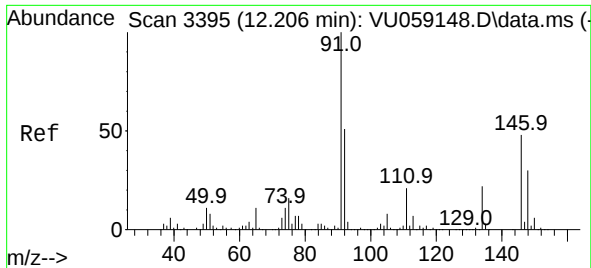
Ion Ratio Lower Upper

91 100

92 54.3 40.7 61.1

134 22.5 17.6 26.4

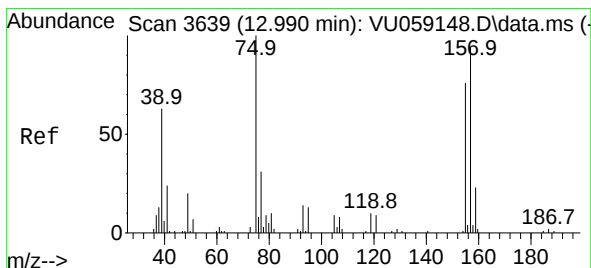
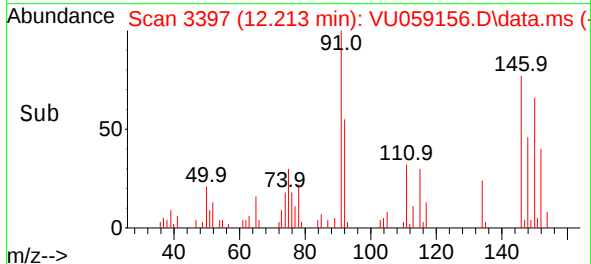
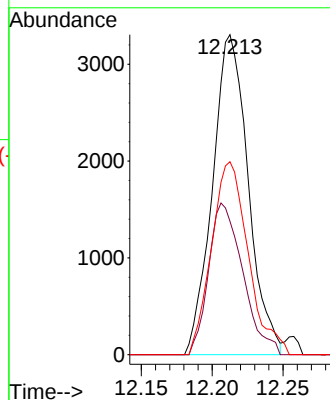
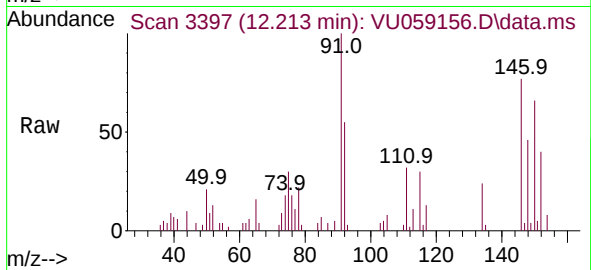




#85  
1,2-Dichlorobenzene  
Concen: 0.271 ug/l  
RT: 12.213 min Scan# 3395  
Delta R.T. 0.007 min  
Lab File: VU059156.D  
Acq: 05 Jun 2024 18:26

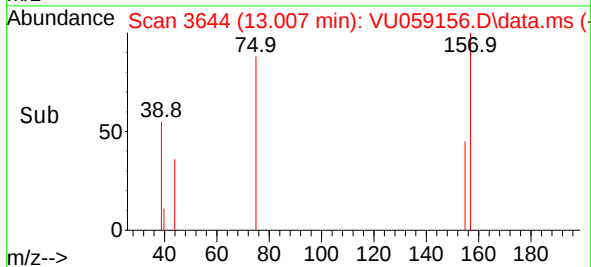
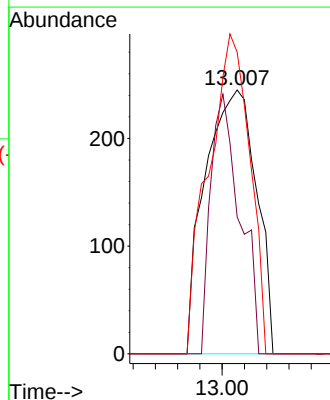
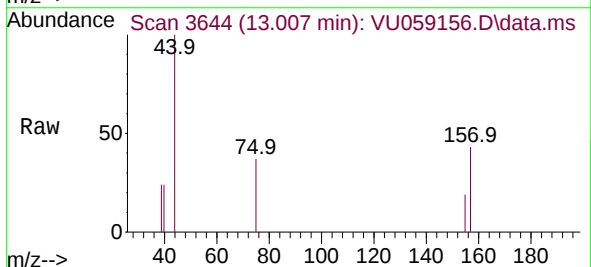
Instrument :  
MSVOA\_U  
ClientSampleId :

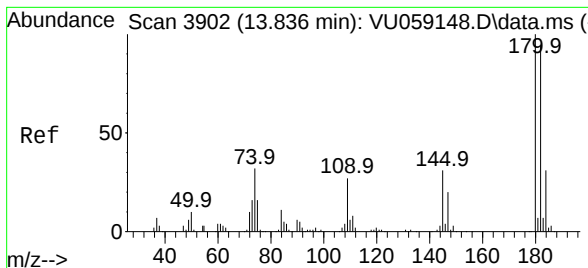
Tgt Ion:146 Resp: 5806  
Ion Ratio Lower Upper  
146 100  
111 45.3 21.8 65.3  
148 61.9 31.3 93.9



#86  
1,2-Dibromo-3-Chloropropane  
Concen: 0.260 ug/l  
RT: 13.007 min Scan# 3644  
Delta R.T. 0.016 min  
Lab File: VU059156.D  
Acq: 05 Jun 2024 18:26

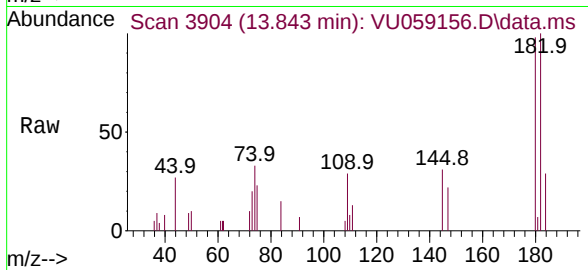
Tgt Ion: 75 Resp: 390  
Ion Ratio Lower Upper  
75 100  
155 56.2 61.2 91.8#  
157 97.9 75.8 113.6



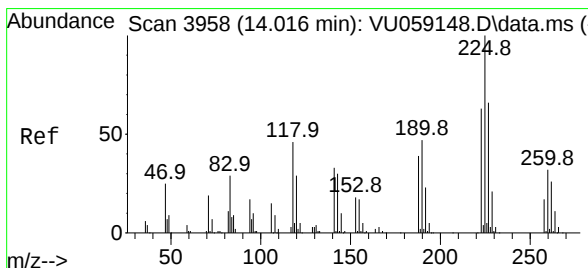
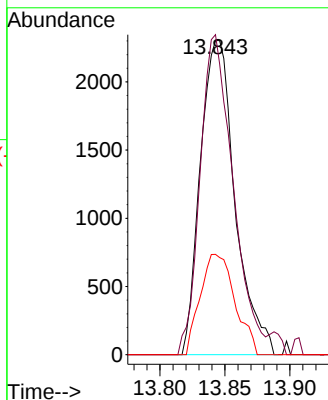
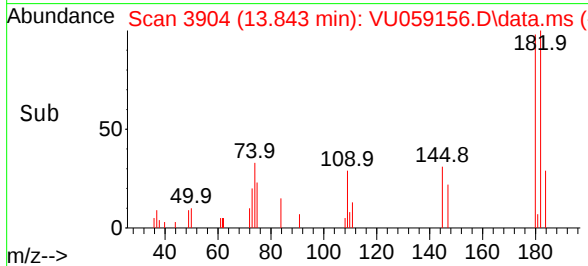


#87  
1,2,4-Trichlorobenzene  
Concen: 0.373 ug/l  
RT: 13.843 min Scan# 3904  
Delta R.T. 0.007 min  
Lab File: VU059156.D  
Acq: 05 Jun 2024 18:26

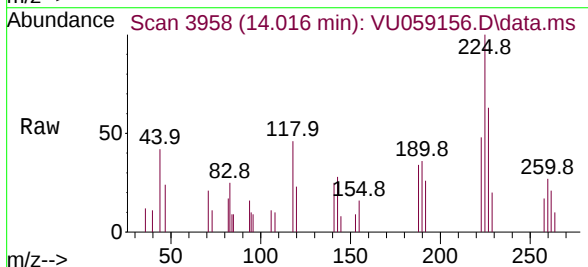
Instrument :  
MSVOA\_U  
ClientSampleId :



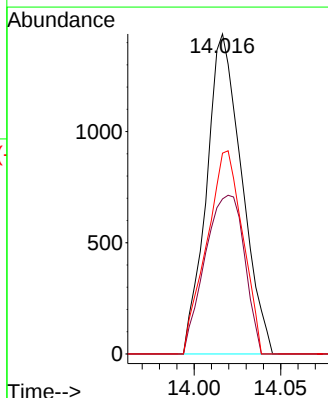
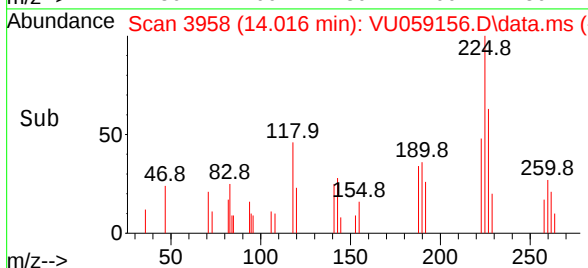
Tgt Ion:180 Resp: 4286  
Ion Ratio Lower Upper  
180 100  
182 96.6 75.7 113.5  
145 31.9 24.6 36.8

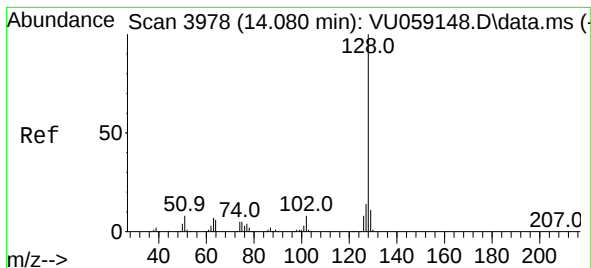


#88  
Hexachlorobutadiene  
Concen: 0.284 ug/l  
RT: 14.016 min Scan# 3958  
Delta R.T. 0.000 min  
Lab File: VU059156.D  
Acq: 05 Jun 2024 18:26



Tgt Ion:225 Resp: 2037  
Ion Ratio Lower Upper  
225 100  
223 55.7 50.0 75.0  
227 64.9 51.8 77.8





#89

Naphthalene

Concen: 0.580 ug/l

RT: 14.094 min Scan# 3982

Delta R.T. 0.013 min

Lab File: VU059156.D

Acq: 05 Jun 2024 18:26

Instrument :

MSVOA\_U

ClientSampleId :

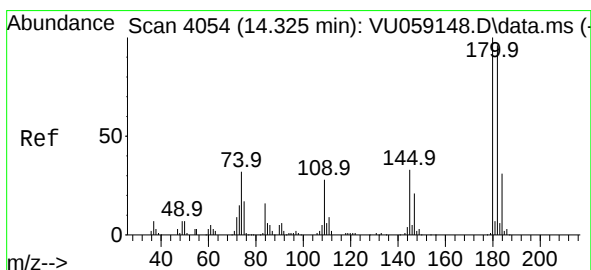
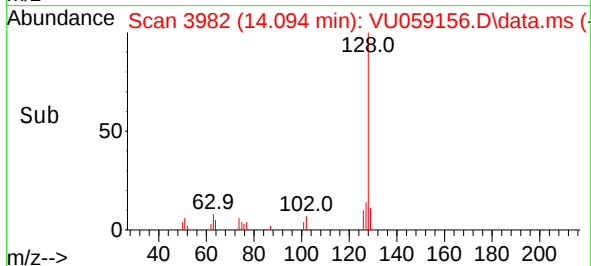
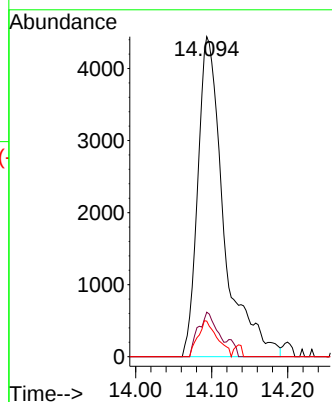
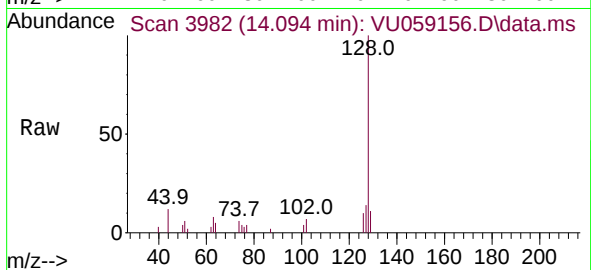
Tgt Ion:128 Resp: 10568

Ion Ratio Lower Upper

128 100

127 10.1 10.7 16.1#

129 8.2 8.4 12.6#



#90

1,2,3-Trichlorobenzene

Concen: 0.439 ug/l

RT: 14.331 min Scan# 4056

Delta R.T. 0.007 min

Lab File: VU059156.D

Acq: 05 Jun 2024 18:26

Tgt Ion:180 Resp: 4582

Ion Ratio Lower Upper

180 100

182 90.1 76.3 114.5

145 29.1 26.5 39.7

