

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU060524\  
 Data File : VU059144.D  
 Acq On : 05 Jun 2024 09:33  
 Operator : MD/SY  
 Sample : VSTDICC0.5  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Jun 06 02:36:06 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U060524DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Thu Jun 06 02:35:41 2024  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon | Response | Conc  | Units    | Dev(Min) |
|------------------------------|--------|------|----------|-------|----------|----------|
| -----                        |        |      |          |       |          |          |
| Internal Standards           |        |      |          |       |          |          |
| 1) Fluorobenzene             | 6.110  | 96   | 35566    | 1.000 | ug/l     | # 0.00   |
| System Monitoring Compounds  |        |      |          |       |          |          |
| 57) 4-Bromofluorobenzene     | 10.631 | 95   | 12186    | 1.007 | ug/l     | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =     | 101.000% |          |
| 68) 1,2-Dichlorobenzene-d4   | 12.193 | 152  | 11934    | 0.942 | ug/l     | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =     | 94.000%  |          |
| Target Compounds             |        |      |          |       |          |          |
|                              |        |      |          |       | Qvalue   |          |
| 2) Dichlorodifluoromethane   | 1.380  | 85   | 5582     | 0.501 | ug/l     | 93       |
| 3) Chloromethane             | 1.515  | 50   | 7478     | 0.558 | ug/l     | 91       |
| 4) Vinyl Chloride            | 1.599  | 62   | 7341     | 0.542 | ug/l     | 98       |
| 5) Bromomethane              | 1.853  | 94   | 4820     | 0.585 | ug/l     | 96       |
| 6) Chloroethane              | 1.927  | 64   | 4709     | 0.540 | ug/l     | 90       |
| 7) Trichlorofluoromethane    | 2.133  | 101  | 7945     | 0.472 | ug/l     | 92       |
| 8) 1,1,2-Trichloro-1,2,2-... | 2.573  | 101  | 4651     | 0.538 | ug/l     | 96       |
| 9) 1,1-Dichloroethene        | 2.573  | 96   | 4573     | 0.534 | ug/l     | 99       |
| 10) Iodomethane              | 2.715  | 142  | 5241     | 0.488 | ug/l     | 96       |
| 11) Allyl Chloride           | 2.917  | 41   | 6122     | 0.529 | ug/l     | 98       |
| 12) Acrylonitrile            | 3.338  | 53   | 1445     | 0.747 | ug/l     | 85       |
| 13) Acetone                  | 2.644  | 43   | 8438     | 2.850 | ug/l     | 90       |
| 14) Carbon Disulfide         | 2.785  | 76   | 15504    | 0.568 | ug/l     | 99       |
| 15) Methylene Chloride       | 3.042  | 84   | 7419     | 0.632 | ug/l     | 92       |
| 16) trans-1,2-Dichloroethene | 3.348  | 96   | 4845     | 0.518 | ug/l     | 96       |
| 17) 1,1-Dichloroethane       | 3.859  | 63   | 10558    | 0.539 | ug/l     | 96       |
| 18) 2-Butanone               | 4.731  | 43   | 5947     | 1.819 | ug/l     | 97       |
| 19) Cyclohexane              | 5.383  | 56   | 5808     | 0.410 | ug/l     | 92       |
| 20) Methylcyclohexane        | 6.759  | 83   | 6085     | 0.427 | ug/l     | 92       |
| 21) 2,2-Dichloropropane      | 4.647  | 77   | 3676     | 0.254 | ug/l     | 94       |
| 22) cis-1,2-Dichloroethene   | 4.666  | 96   | 4644     | 0.457 | ug/l #   | 75       |
| 23) Diethyl Ether            | 2.374  | 59   | 4029     | 0.502 | ug/l     | 98       |
| 24) tert-Butyl Alcohol       | 3.184  | 59   | 970      | 1.807 | ug/l #   | 89       |
| 25) Methyl tert-Butyl Ether  | 3.358  | 73   | 9884     | 0.481 | ug/l     | 99       |
| 26) Bromochloromethane       | 4.968  | 128  | 1952     | 0.455 | ug/l     | 62       |
| 27) Chloroform               | 5.081  | 83   | 10639    | 0.541 | ug/l     | 94       |
| 28) 1,1,1-Trichloroethane    | 5.306  | 97   | 8239     | 0.531 | ug/l     | 98       |
| 29) 1,1-Dichloropropene      | 5.528  | 75   | 5971     | 0.459 | ug/l     | 98       |
| 30) Carbon Tetrachloride     | 5.515  | 117  | 6729     | 0.529 | ug/l     | 95       |
| 31) Isopropyl Ether          | 3.985  | 45   | 12512    | 0.487 | ug/l     | 93       |
| 32) Ethyl-t-butyl ether      | 4.493  | 59   | 11078    | 0.464 | ug/l     | 97       |
| 33) Tert-Amyl methyl ether   | 5.933  | 73   | 9564     | 0.454 | ug/l #   | 94       |
| 34) Propionitrile            | 4.821  | 54   | 540      | 0.728 | ug/l #   | 65       |
| 35) Benzene                  | 5.769  | 78   | 19921    | 0.487 | ug/l     | 100      |
| 36) 1,2-Dichloroethane       | 5.798  | 62   | 5847     | 0.482 | ug/l #   | 94       |
| 37) Trichloroethene          | 6.538  | 130  | 5293     | 0.542 | ug/l     | 99       |
| 38) 1,2-Dichloropropane      | 6.785  | 63   | 5686     | 0.490 | ug/l     | 94       |
| 39) Methacrylonitrile        | 4.991  | 41   | 634      | 0.227 | ug/l #   | 42       |
| 41) Tetrahydrofuran          | 5.068  | 42   | 1158     | 0.770 | ug/l #   | 57       |
| 42) 1-Chlorobutane           | 5.454  | 56   | 8084     | 0.450 | ug/l     | 89       |
| 43) Dibromomethane           | 6.914  | 93   | 2765     | 0.526 | ug/l     | 94       |
| 44) Bromodichloromethane     | 7.103  | 83   | 6919     | 0.508 | ug/l     | 98       |
| 45) 4-Methyl-2-Pentanone     | 7.791  | 43   | 13163    | 2.336 | ug/l     | 88       |

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 Operator : MD/SY  
 Sample : VSTDICC0.5  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 3 Sample Multiplier: 1

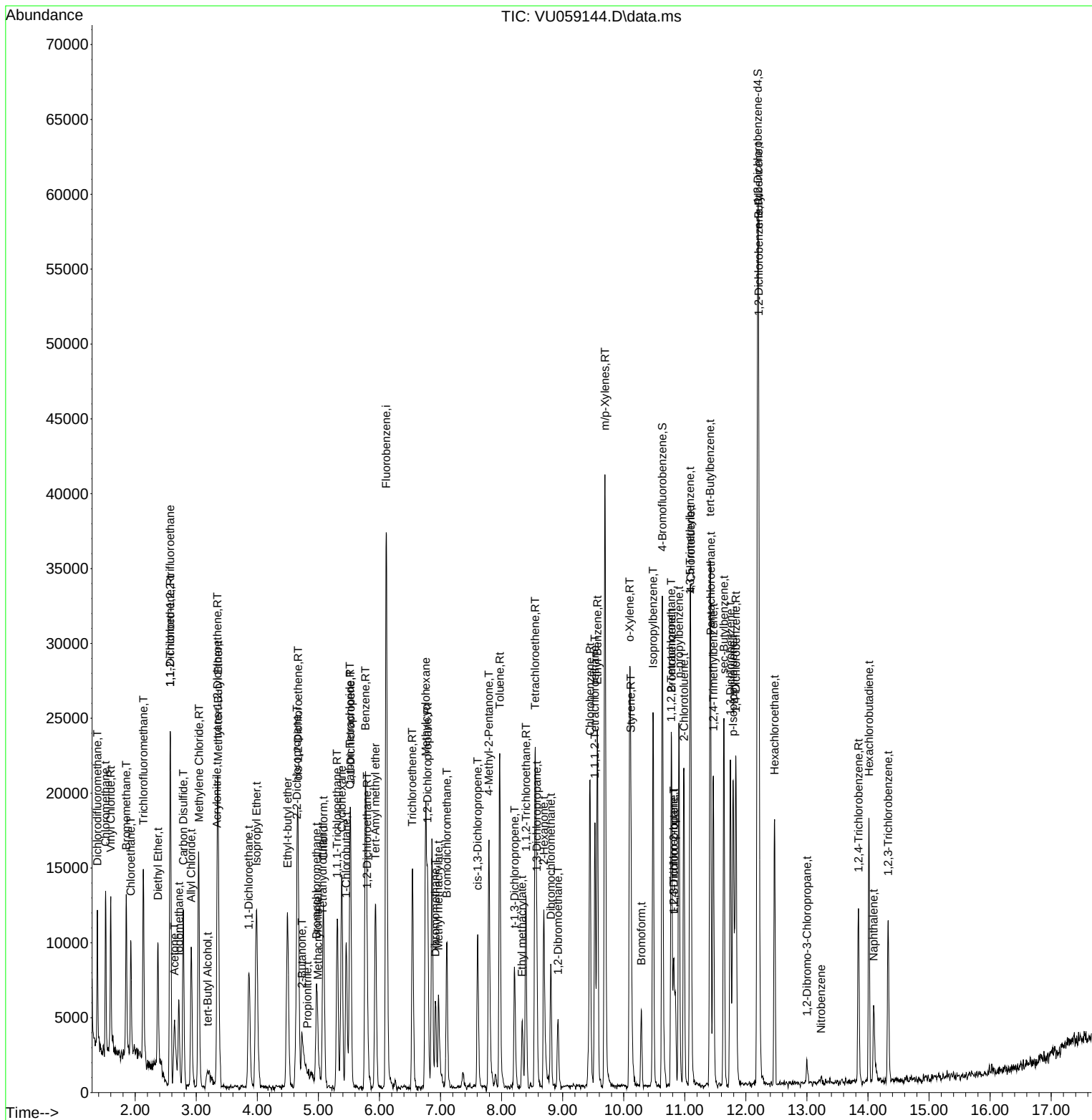
Instrument :  
 MSVOA\_U  
 ClientSampleId :

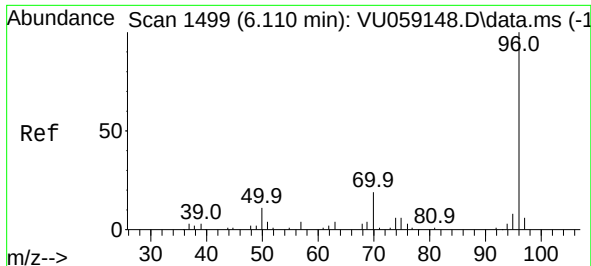
Quant Time: Jun 06 02:36:06 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U060524DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Thu Jun 06 02:35:41 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 46) t-1,4-Dichloro-2-butene   | 10.817 | 75   | 5831     | 2.408 | ug/l # | 36       |
| 47) Methyl methacrylate       | 6.965  | 69   | 3660     | 0.811 | ug/l   | 97       |
| 48) Ethyl methacrylate        | 8.335  | 69   | 3253     | 0.408 | ug/l   | 99       |
| 49) Toluene                   | 7.968  | 92   | 9839     | 0.437 | ug/l   | 96       |
| 50) t-1,3-Dichloropropene     | 8.213  | 75   | 5254     | 0.451 | ug/l   | 98       |
| 51) cis-1,3-Dichloropropene   | 7.608  | 75   | 6935     | 0.486 | ug/l   | 98       |
| 52) 1,1,2-Trichloroethane     | 8.399  | 97   | 4078     | 0.525 | ug/l   | 98       |
| 53) 1,3-Dichloropropane       | 8.576  | 76   | 6913     | 0.517 | ug/l   | 98       |
| 54) 2-Hexanone                | 8.692  | 43   | 9295     | 3.773 | ug/l   | 93       |
| 55) Dibromochloromethane      | 8.804  | 129  | 4355     | 0.518 | ug/l   | 96       |
| 56) 1,2-Dibromoethane         | 8.923  | 107  | 3468     | 0.509 | ug/l   | 95       |
| 58) Tetrachloroethene         | 8.547  | 164  | 4772     | 0.530 | ug/l   | 93       |
| 59) Chlorobenzene             | 9.447  | 112  | 11433    | 0.464 | ug/l   | 98       |
| 60) 1,1,1,2-Tetrachloroethane | 9.528  | 131  | 4774     | 0.541 | ug/l   | 91       |
| 61) Pentachloroethane         | 11.425 | 117  | 3404     | 0.497 | ug/l   | 91       |
| 62) Hexachloroethane          | 12.470 | 117  | 3189     | 0.458 | ug/l   | 100      |
| 63) Ethyl Benzene             | 9.566  | 91   | 17119    | 0.410 | ug/l   | 99       |
| 64) m/p-Xylenes               | 9.692  | 106  | 12188    | 0.777 | ug/l   | 100      |
| 65) o-Xylene                  | 10.097 | 106  | 6421     | 0.415 | ug/l   | 100      |
| 66) Styrene                   | 10.116 | 104  | 9385     | 0.700 | ug/l   | 99       |
| 67) Bromoform                 | 10.287 | 173  | 2579     | 0.567 | ug/l # | 84       |
| 69) Isopropylbenzene          | 10.479 | 105  | 16124    | 0.407 | ug/l   | 100      |
| 70) 1,1,2,2-Tetrachloroethane | 10.775 | 83   | 4673     | 0.479 | ug/l   | 89       |
| 71) 1,2,3-Trichloropropane    | 10.817 | 75   | 5831     | 0.803 | ug/l # | 81       |
| 72) Bromobenzene              | 10.782 | 156  | 4416     | 0.465 | ug/l   | 84       |
| 73) n-propylbenzene           | 10.904 | 120  | 3911     | 0.668 | ug/l   | 89       |
| 74) 2-Chlorotoluene           | 10.988 | 126  | 4258     | 0.440 | ug/l   | 99       |
| 75) 1,3,5-Trimethylbenzene    | 11.084 | 105  | 12184    | 0.687 | ug/l   | 100      |
| 76) 4-Chlorotoluene           | 11.097 | 126  | 4414     | 0.436 | ug/l   | 90       |
| 77) tert-Butylbenzene         | 11.415 | 119  | 12866    | 0.404 | ug/l   | 96       |
| 78) 1,2,4-Trimethylbenzene    | 11.467 | 105  | 11670    | 0.686 | ug/l   | 93       |
| 79) sec-Butylbenzene          | 11.640 | 105  | 16766    | 0.671 | ug/l   | 99       |
| 80) Nitrobenzene              | 13.232 | 77   | 199      | 3.563 | ug/l # | 42       |
| 81) p-Isopropyltoluene        | 11.788 | 119  | 11595    | 0.706 | ug/l   | 97       |
| 82) 1,3-Dichlorobenzene       | 11.746 | 146  | 9462     | 0.470 | ug/l   | 98       |
| 83) 1,4-Dichlorobenzene       | 11.836 | 146  | 9552     | 0.474 | ug/l   | 95       |
| 84) n-Butylbenzene            | 12.206 | 91   | 10316    | 0.713 | ug/l   | 96       |
| 85) 1,2-Dichlorobenzene       | 12.209 | 146  | 9235     | 0.486 | ug/l   | 96       |
| 86) 1,2-Dibromo-3-Chloropr... | 13.000 | 75   | 618      | 0.465 | ug/l # | 71       |
| 87) 1,2,4-Trichlorobenzene    | 13.846 | 180  | 4467     | 0.439 | ug/l # | 93       |
| 88) Hexachlorobutadiene       | 14.016 | 225  | 3129     | 0.493 | ug/l   | 99       |
| 89) Naphthalene               | 14.090 | 128  | 6470     | 0.402 | ug/l # | 96       |
| 90) 1,2,3-Trichlorobenzene    | 14.328 | 180  | 3969     | 0.429 | ug/l   | 96       |

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

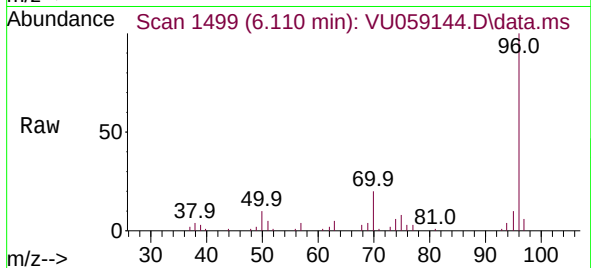
Quant Time: Jun 06 02:36:06 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U060524DW.M  
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
QLast Update : Thu Jun 06 02:35:41 2024  
Response via : Initial Calibration





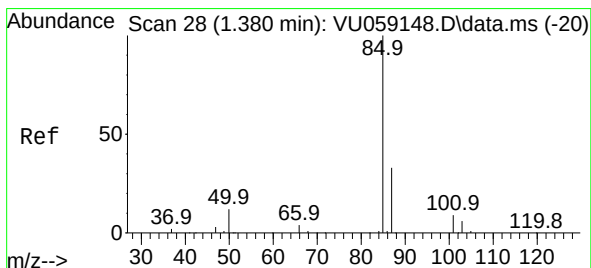
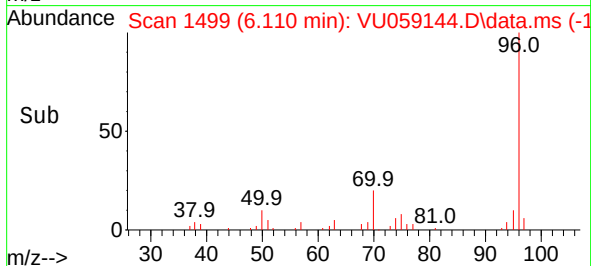
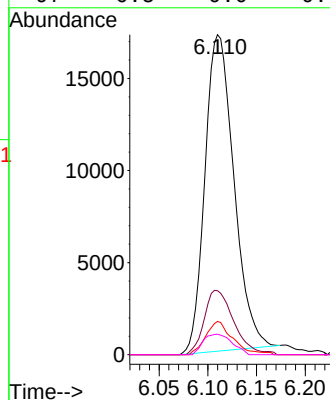
#1  
Fluorobenzene  
Concen: 1.000 ug/l  
RT: 6.110 min Scan# 1499  
Delta R.T. -0.000 min  
Lab File: VU059144.D  
Acq: 05 Jun 2024 09:33

Instrument :  
MSVOA\_U  
ClientSampleId :



Tgt Ion: 96 Resp: 35566

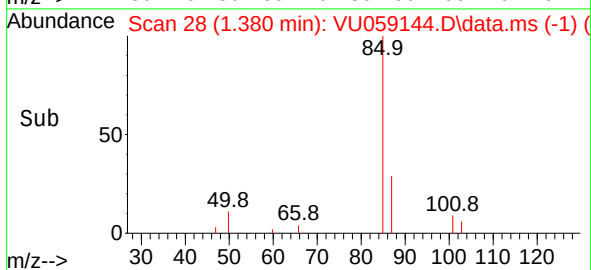
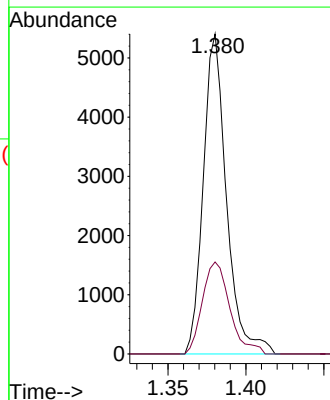
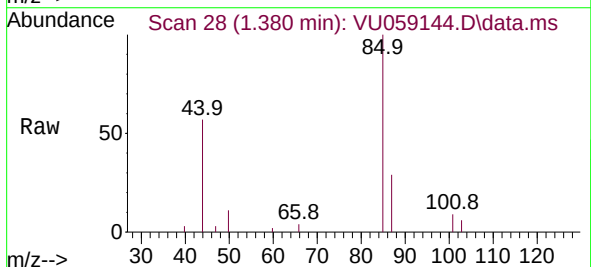
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 70  | 20.8  | 16.6  | 24.8  |
| 95  | 9.8   | 7.1   | 10.7  |
| 97  | 6.5   | 0.0   | 0.0   |

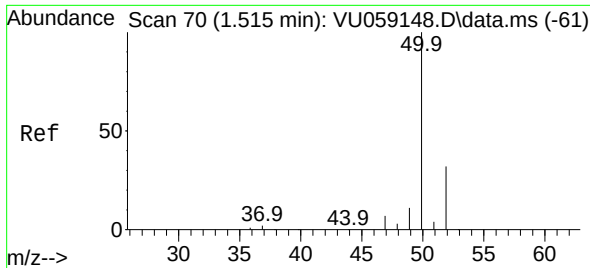


#2  
Dichlorodifluoromethane  
Concen: 0.501 ug/l  
RT: 1.380 min Scan# 28  
Delta R.T. 0.000 min  
Lab File: VU059144.D  
Acq: 05 Jun 2024 09:33

Tgt Ion: 85 Resp: 5582

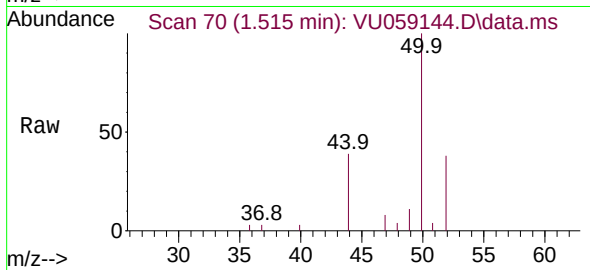
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 85  | 100   |       |       |
| 87  | 28.8  | 16.3  | 48.9  |



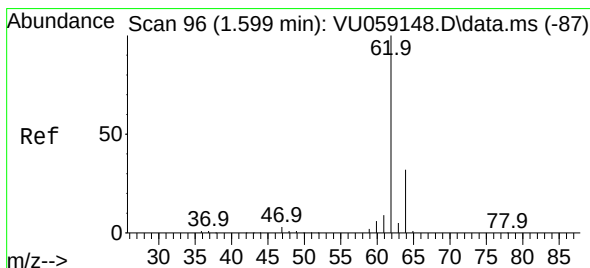
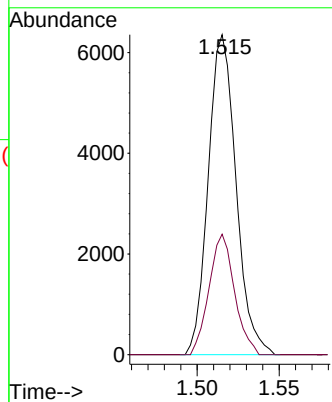
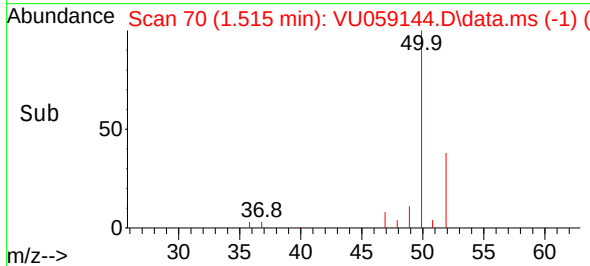


#3  
Chloromethane  
Concen: 0.558 ug/l  
RT: 1.515 min Scan# 70  
Delta R.T. 0.000 min  
Lab File: VU059144.D  
Acq: 05 Jun 2024 09:33

Instrument :  
MSVOA\_U  
ClientSampleId :

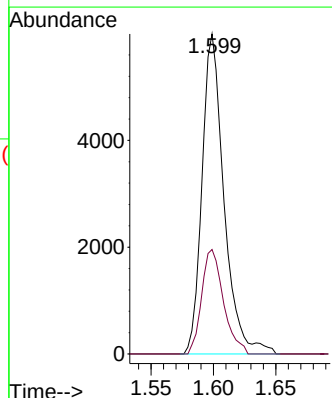
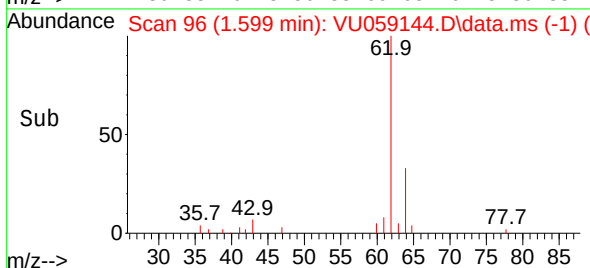
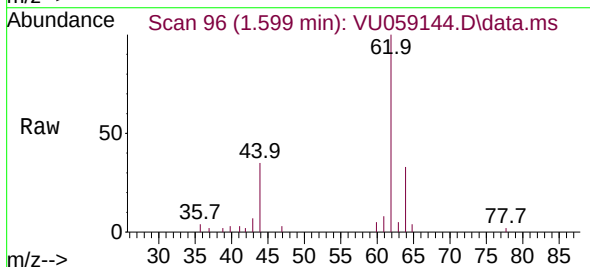


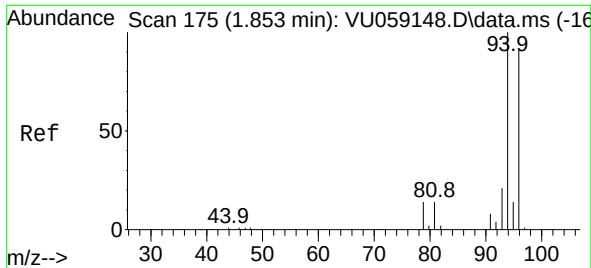
Tgt Ion: 50 Resp: 7478  
Ion Ratio Lower Upper  
50 100  
52 37.6 26.0 39.0



#4  
Vinyl Chloride  
Concen: 0.542 ug/l  
RT: 1.599 min Scan# 96  
Delta R.T. 0.000 min  
Lab File: VU059144.D  
Acq: 05 Jun 2024 09:33

Tgt Ion: 62 Resp: 7341  
Ion Ratio Lower Upper  
62 100  
64 32.6 25.2 37.8

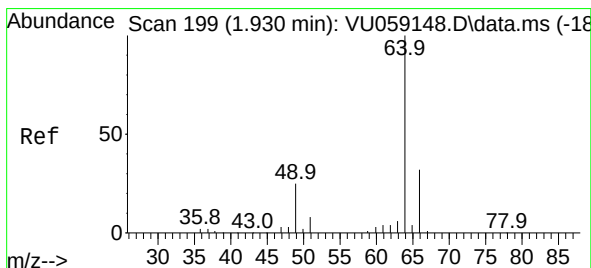
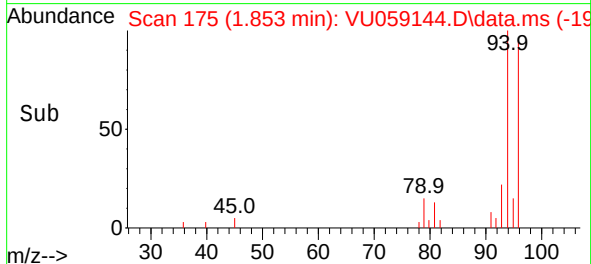
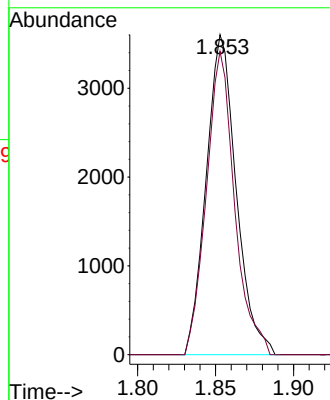
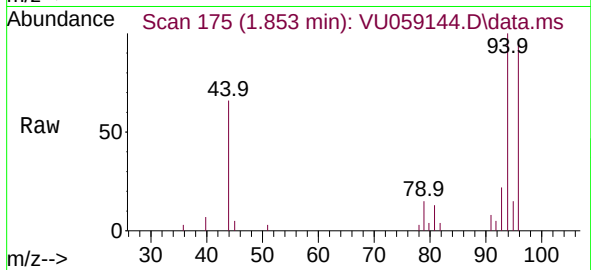




#5  
Bromomethane  
Concen: 0.585 ug/l  
RT: 1.853 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VU059144.D  
Acq: 05 Jun 2024 09:33

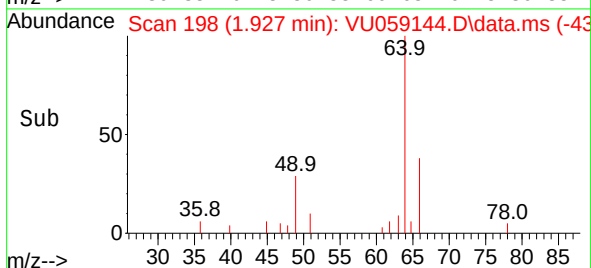
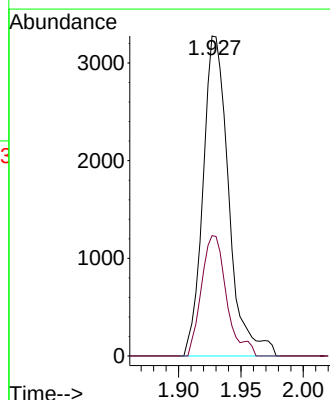
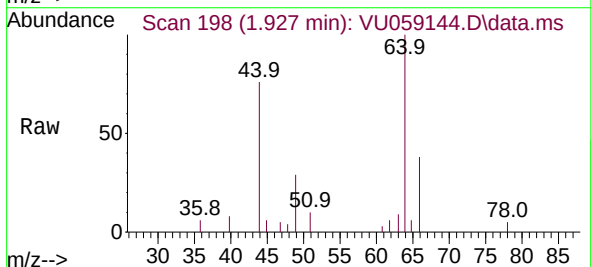
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MSVOA\_U  
ClientSampleId :

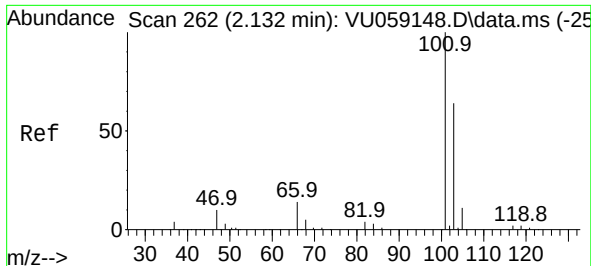
Tgt Ion: 94 Resp: 4820  
Ion Ratio Lower Upper  
94 100  
96 94.8 72.7 109.1



#6  
Chloroethane  
Concen: 0.540 ug/l  
RT: 1.927 min Scan# 198  
Delta R.T. -0.003 min  
Lab File: VU059144.D  
Acq: 05 Jun 2024 09:33

Tgt Ion: 64 Resp: 4709  
Ion Ratio Lower Upper  
64 100  
66 37.6 25.5 38.3

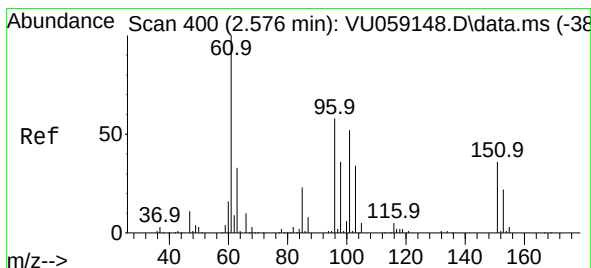
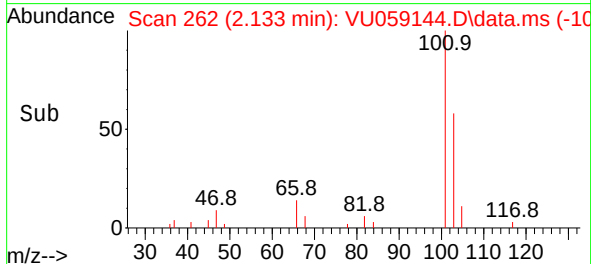
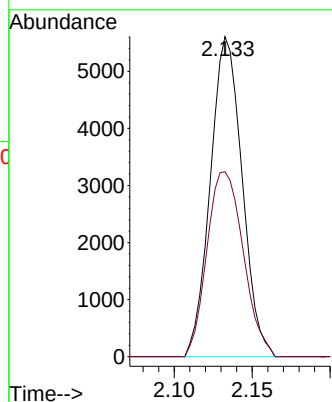
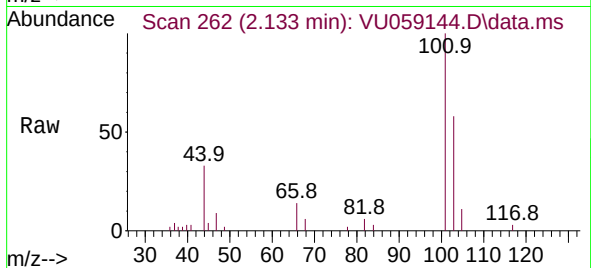




#7  
 Trichlorofluoromethane  
 Concen: 0.472 ug/l  
 RT: 2.133 min Scan# 20  
 Delta R.T. 0.000 min  
 Lab File: VU059144.D  
 Acq: 05 Jun 2024 09:33

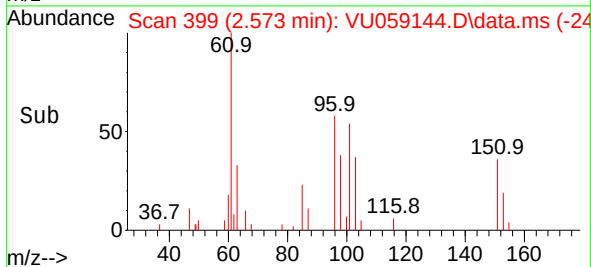
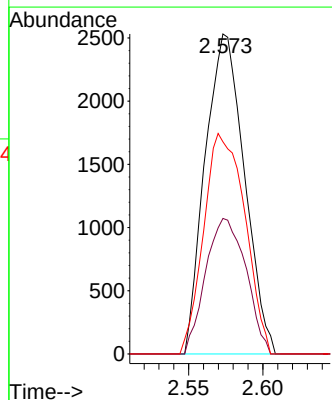
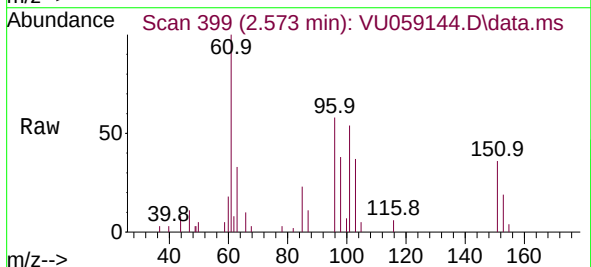
Instrument :  
 MSVOA\_U  
 ClientSampleId :

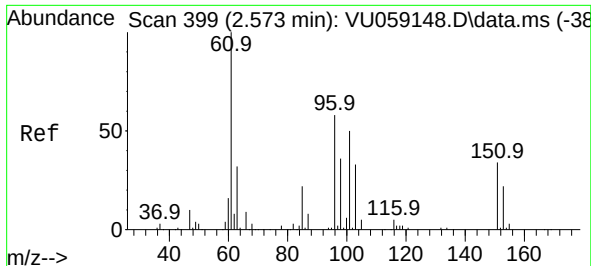
Tgt Ion:101 Resp: 7945  
 Ion Ratio Lower Upper  
 101 100  
 103 57.8 51.1 76.7



#8  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 0.538 ug/l  
 RT: 2.573 min Scan# 399  
 Delta R.T. -0.003 min  
 Lab File: VU059144.D  
 Acq: 05 Jun 2024 09:33

Tgt Ion:101 Resp: 4651  
 Ion Ratio Lower Upper  
 101 100  
 85 43.5 36.1 54.1  
 151 72.4 55.0 82.6





#9

1,1-Dichloroethene

Concen: 0.534 ug/l

RT: 2.573 min Scan# 399

Delta R.T. 0.000 min

Lab File: VU059144.D

Acq: 05 Jun 2024 09:33

Instrument :

MSVOA\_U

ClientSampleId :

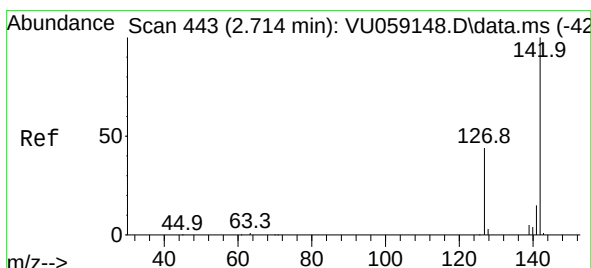
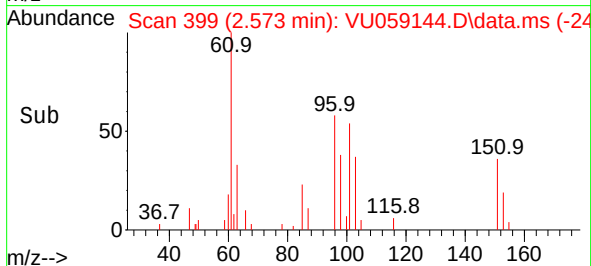
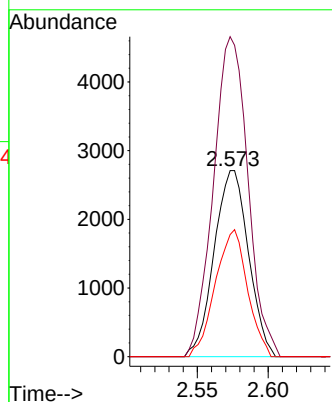
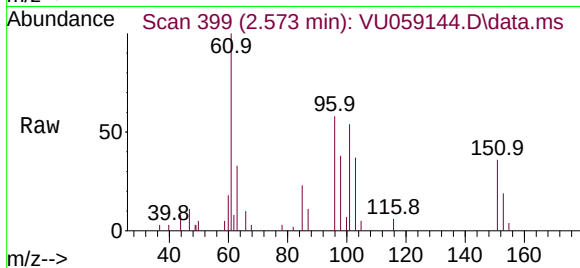
Tgt Ion: 96 Resp: 4573

Ion Ratio Lower Upper

96 100

61 172.0 0.0 515.4

98 65.6 0.0 124.4



#10

Iodomethane

Concen: 0.488 ug/l

RT: 2.715 min Scan# 443

Delta R.T. 0.000 min

Lab File: VU059144.D

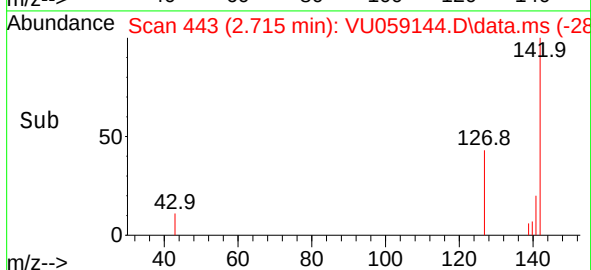
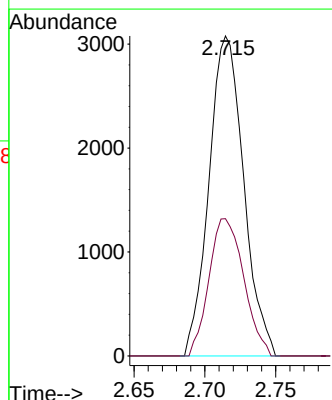
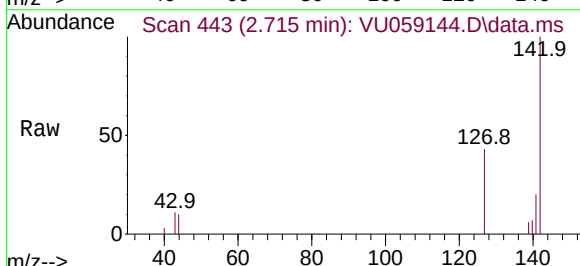
Acq: 05 Jun 2024 09:33

Tgt Ion: 142 Resp: 5241

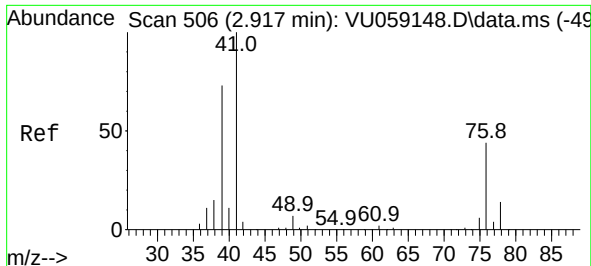
Ion Ratio Lower Upper

142 100

127 43.0 36.2 54.4







#11

Allyl Chloride

Concen: 0.529 ug/l

RT: 2.917 min Scan# 506

Delta R.T. 0.000 min

Lab File: VU059144.D

Acq: 05 Jun 2024 09:33

Instrument :

MSVOA\_U

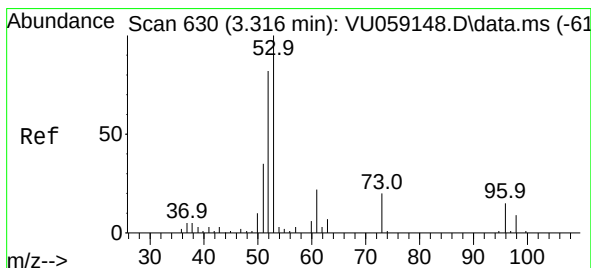
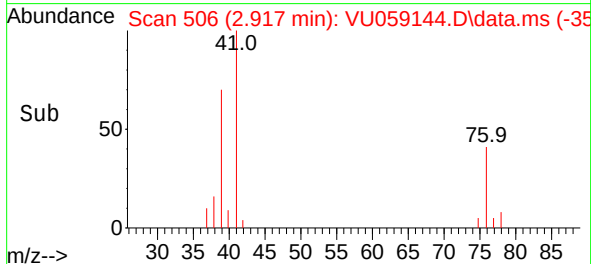
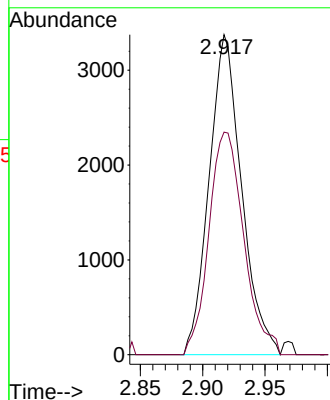
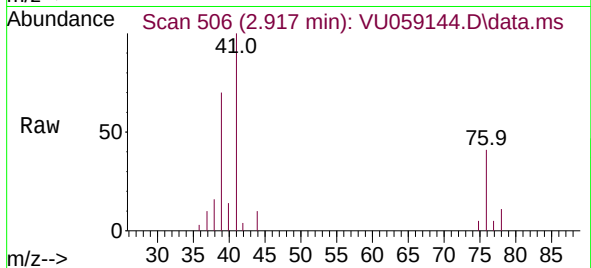
ClientSampleId :

Tgt Ion: 41 Resp: 6122

Ion Ratio Lower Upper

41 100

39 74.6 58.1 87.1



#12

Acrylonitrile

Concen: 0.747 ug/l

RT: 3.338 min Scan# 637

Delta R.T. 0.023 min

Lab File: VU059144.D

Acq: 05 Jun 2024 09:33

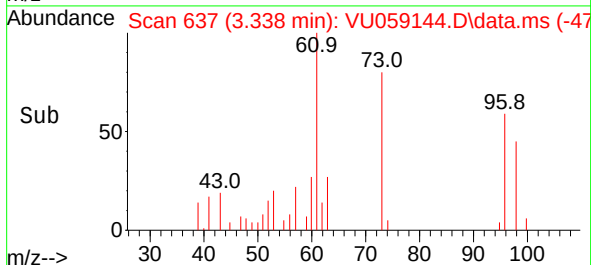
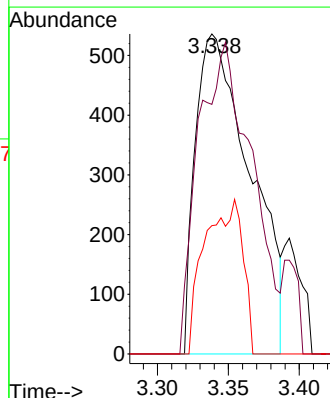
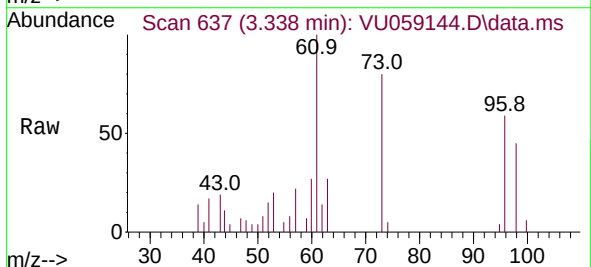
Tgt Ion: 53 Resp: 1445

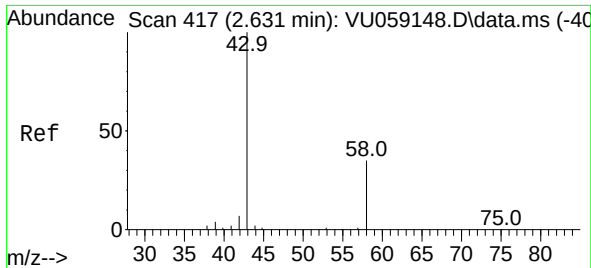
Ion Ratio Lower Upper

53 100

52 95.2 64.2 96.4

51 33.4 33.0 49.4





#13

Acetone

Concen: 2.850 ug/l

RT: 2.644 min Scan# 41

Delta R.T. 0.013 min

Lab File: VU059144.D

Acq: 05 Jun 2024 09:33

Instrument :

MSVOA\_U

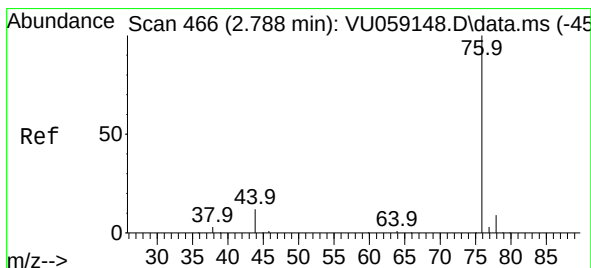
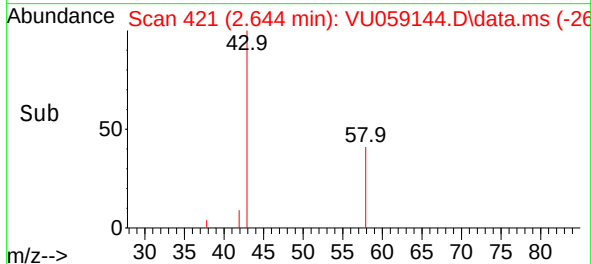
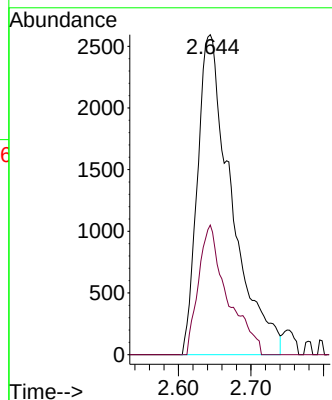
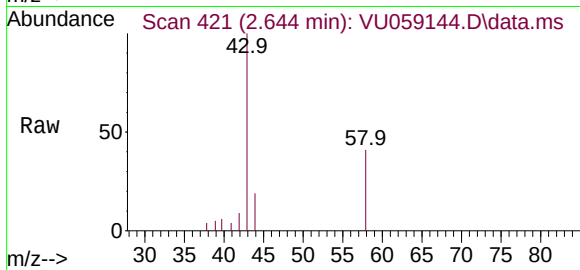
ClientSampleId :

Tgt Ion: 43 Resp: 8438

Ion Ratio Lower Upper

43 100

58 40.5 27.9 41.9



#14

Carbon Disulfide

Concen: 0.568 ug/l

RT: 2.785 min Scan# 465

Delta R.T. -0.003 min

Lab File: VU059144.D

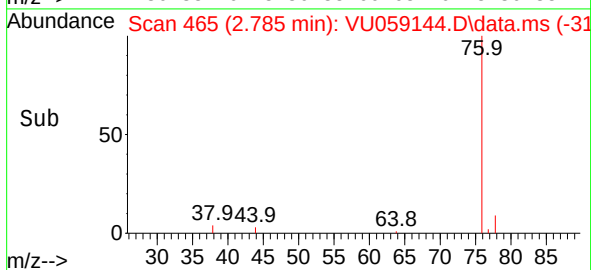
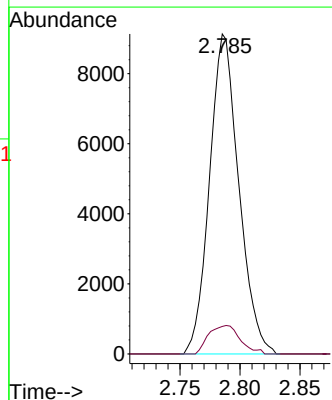
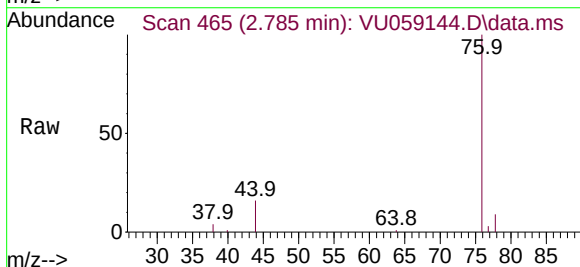
Acq: 05 Jun 2024 09:33

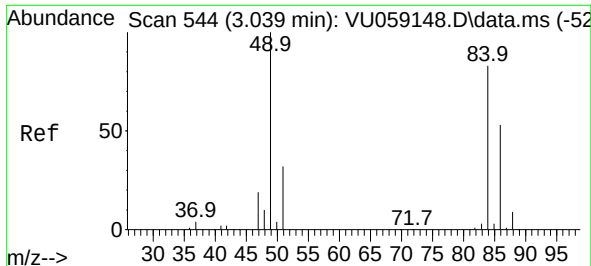
Tgt Ion: 76 Resp: 15504

Ion Ratio Lower Upper

76 100

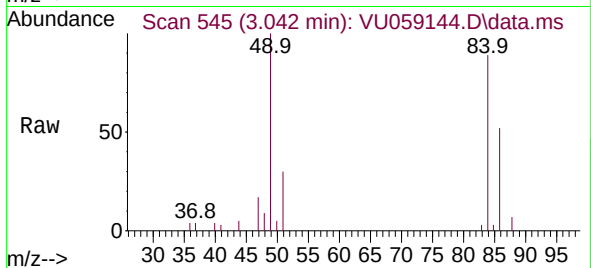
78 8.6 7.3 10.9



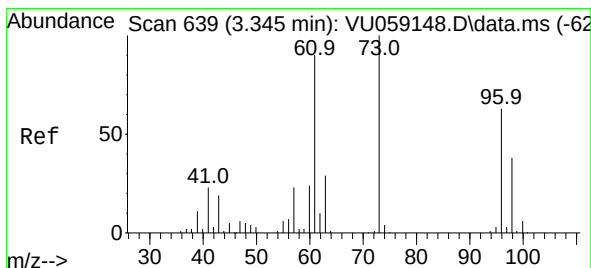
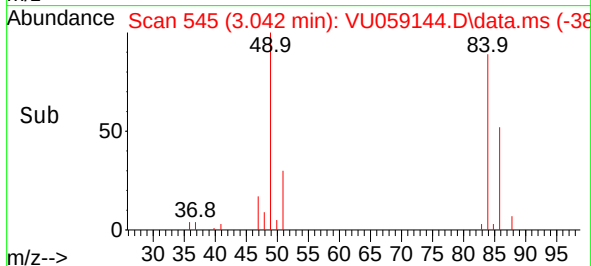
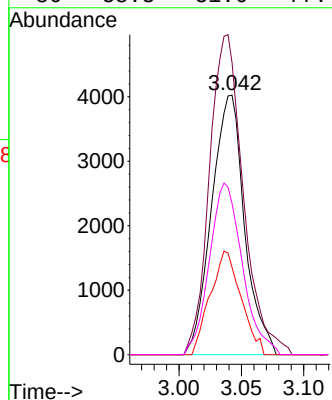


#15  
Methylene Chloride  
Concen: 0.632 ug/l  
RT: 3.042 min Scan# 544  
Delta R.T. 0.003 min  
Lab File: VU059144.D  
Acq: 05 Jun 2024 09:33

Instrument :  
MSVOA\_U  
ClientSampleId :

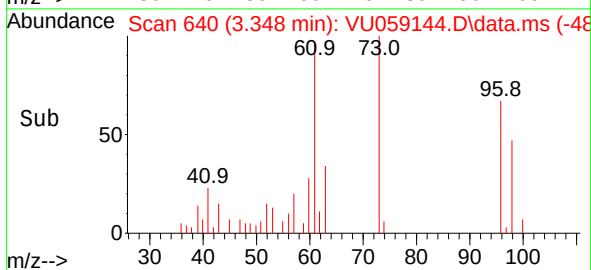
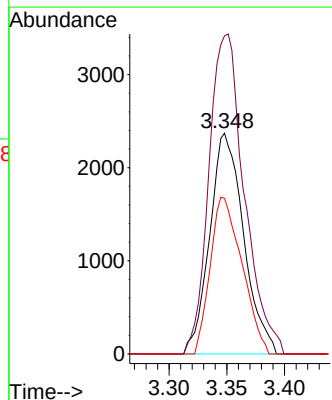
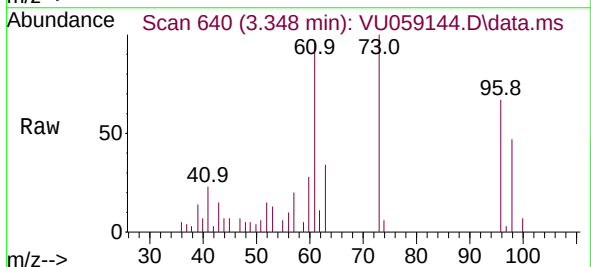


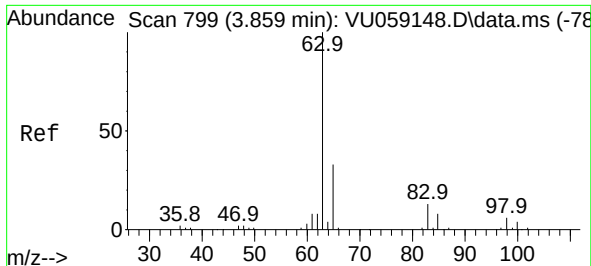
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 7419  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 112.5 | 96.7  | 145.1 |
| 51       | 33.6  | 0.0   | 76.8  |
| 86       | 58.3  | 51.6  | 77.4  |



#16  
trans-1,2-Dichloroethene  
Concen: 0.518 ug/l  
RT: 3.348 min Scan# 640  
Delta R.T. 0.003 min  
Lab File: VU059144.D  
Acq: 05 Jun 2024 09:33

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 4845  |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 144.0 | 114.8 | 172.2 |
| 98       | 70.5  | 48.8  | 73.2  |

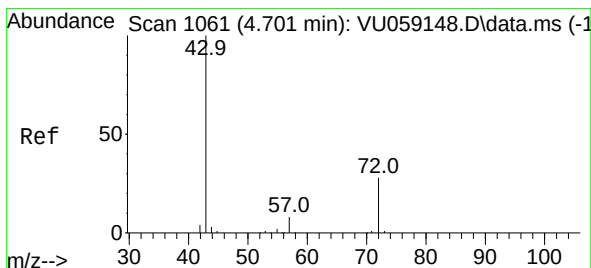
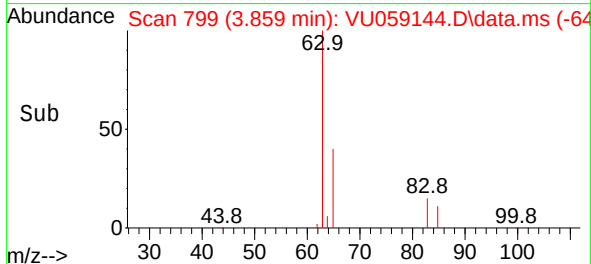
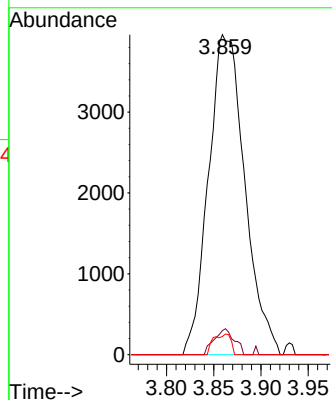
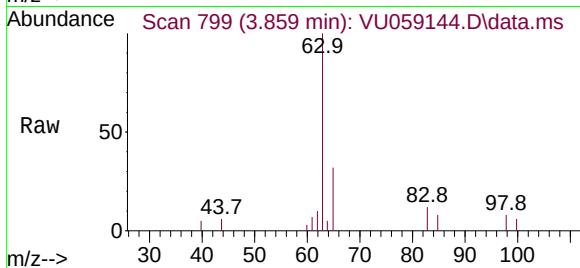




#17  
1,1-Dichloroethane  
Concen: 0.539 ug/l  
RT: 3.859 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: VU059144.D  
Acq: 05 Jun 2024 09:33

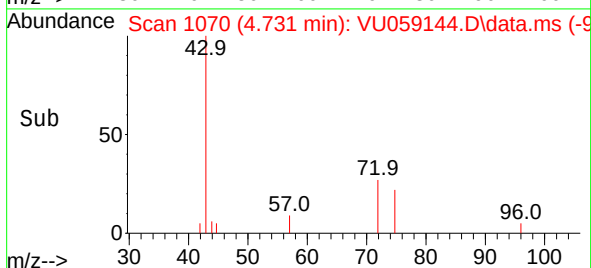
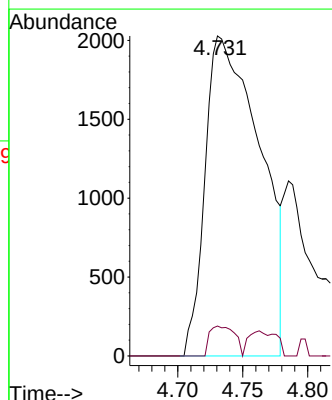
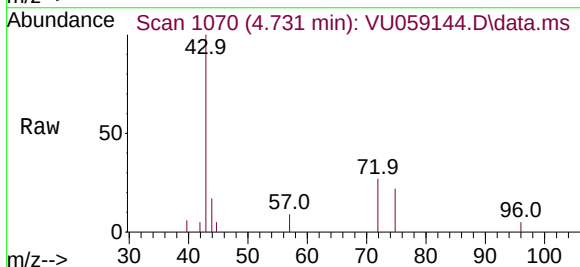
Instrument :  
MSVOA\_U  
ClientSampleId :

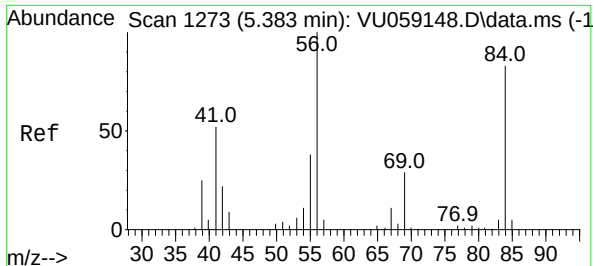
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 63    | Resp: | 10558 |
| Ion Ratio | Lower | Upper |       |
| 63        | 100   |       |       |
| 98        | 7.6   | 3.2   | 9.6   |
| 100       | 5.7   | 2.1   | 6.5   |



#18  
2-Butanone  
Concen: 1.819 ug/l  
RT: 4.731 min Scan# 1070  
Delta R.T. 0.029 min  
Lab File: VU059144.D  
Acq: 05 Jun 2024 09:33

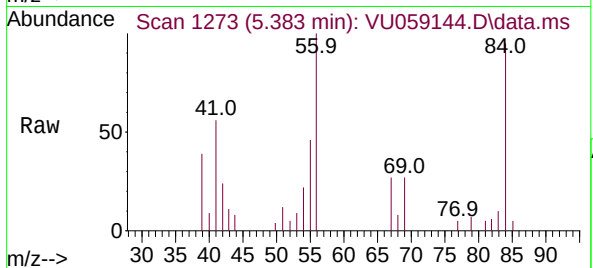
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 43    | Resp: | 5947 |
| Ion Ratio | Lower | Upper |      |
| 43        | 100   |       |      |
| 57        | 9.4   | 0.0   | 16.8 |



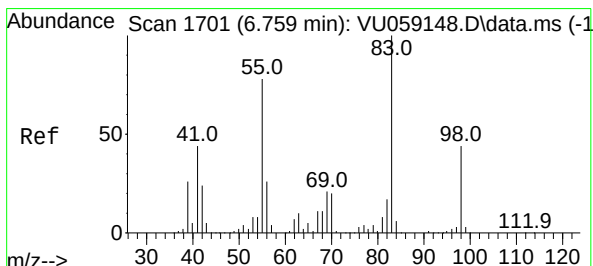
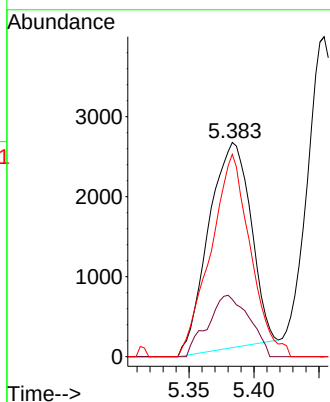
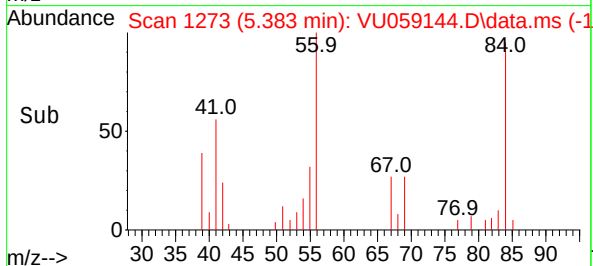


#19  
Cyclohexane  
Concen: 0.410 ug/l  
RT: 5.383 min Scan# 1273  
Delta R.T. 0.000 min  
Lab File: VU059144.D  
Acq: 05 Jun 2024 09:33

Instrument :  
MSVOA\_U  
ClientSampleId :

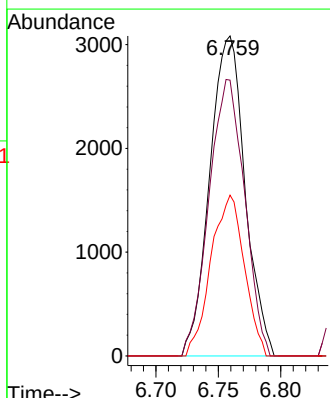
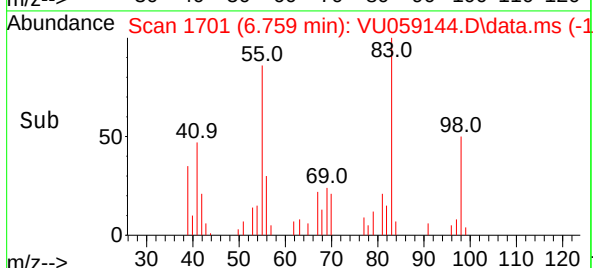
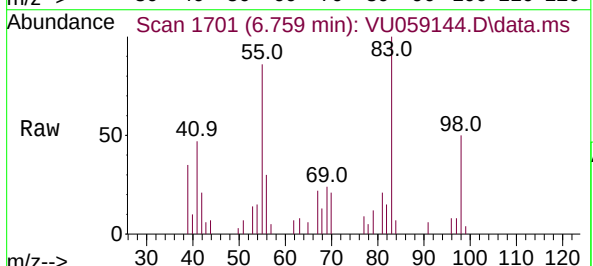


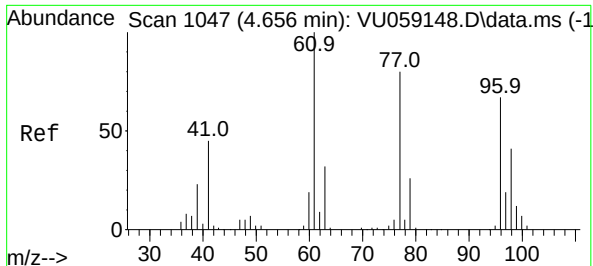
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 56    | Resp: | 5808  |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 29.4  | 23.5  | 35.3  |
| 84       | 92.3  | 66.5  | 99.7  |



#20  
Methylcyclohexane  
Concen: 0.427 ug/l  
RT: 6.759 min Scan# 1701  
Delta R.T. 0.000 min  
Lab File: VU059144.D  
Acq: 05 Jun 2024 09:33

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 6085  |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 55       | 87.0  | 62.7  | 94.1  |
| 98       | 47.5  | 35.1  | 52.7  |

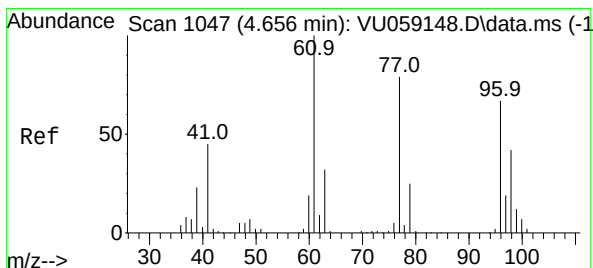
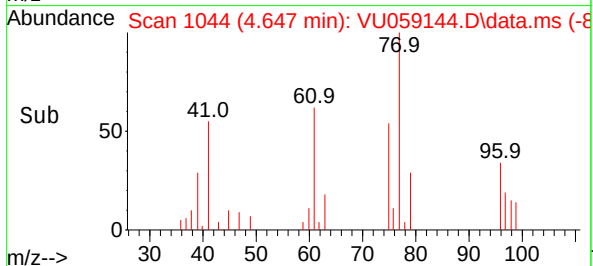
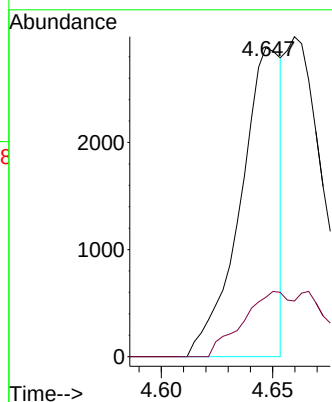
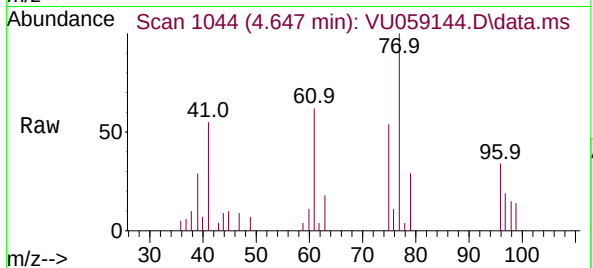




#21  
2,2-Dichloropropane  
Concen: 0.254 ug/l  
RT: 4.647 min Scan# 1050  
Delta R.T. -0.009 min  
Lab File: VU059144.D  
Acq: 05 Jun 2024 09:33

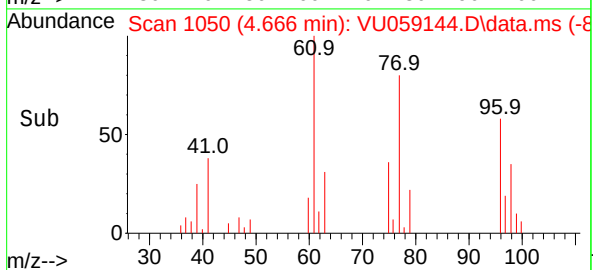
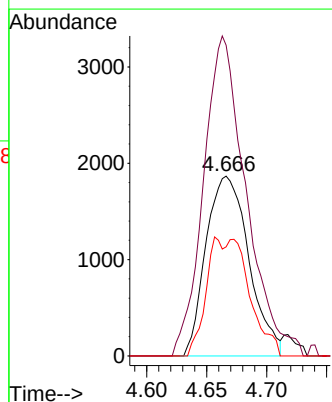
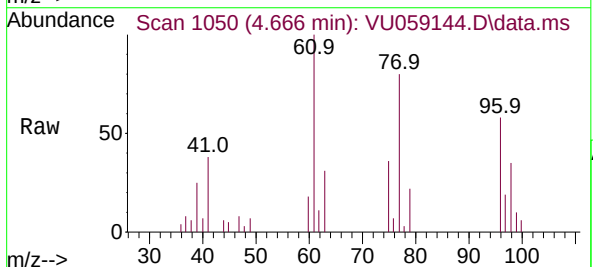
Instrument :  
MSVOA\_U  
ClientSampleId :

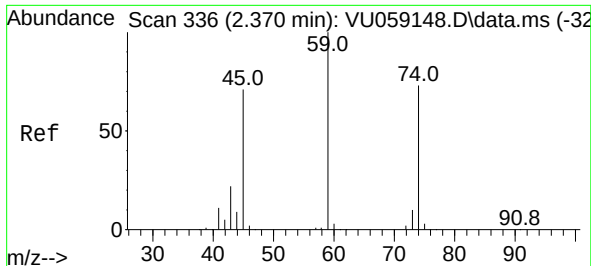
Tgt Ion: 77 Resp: 3676  
Ion Ratio Lower Upper  
77 100  
97 25.7 18.1 27.1



#22  
cis-1,2-Dichloroethene  
Concen: 0.457 ug/l  
RT: 4.666 min Scan# 1050  
Delta R.T. 0.010 min  
Lab File: VU059144.D  
Acq: 05 Jun 2024 09:33

Tgt Ion: 96 Resp: 4644  
Ion Ratio Lower Upper  
96 100  
61 176.5 0.0 388.5  
98 26.5 31.8 95.3#





#23

Diethyl Ether

Concen: 0.502 ug/l

RT: 2.374 min Scan# 336

Delta R.T. 0.003 min

Lab File: VU059144.D

Acq: 05 Jun 2024 09:33

Instrument :

MSVOA\_U

ClientSampleId :

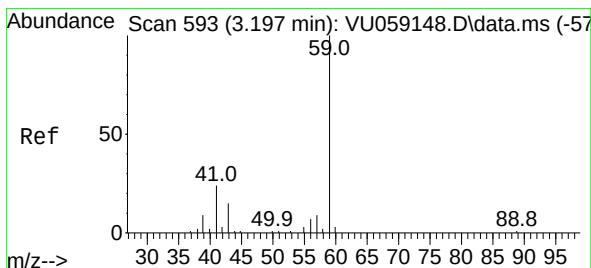
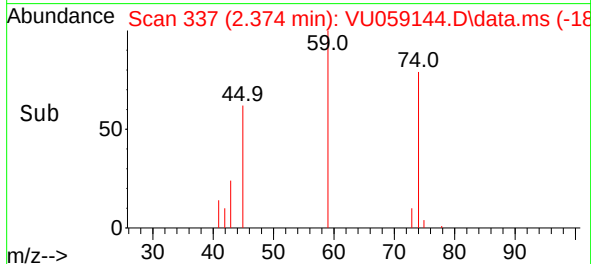
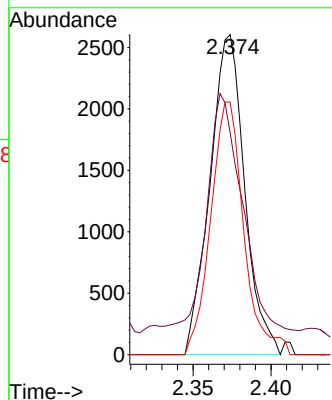
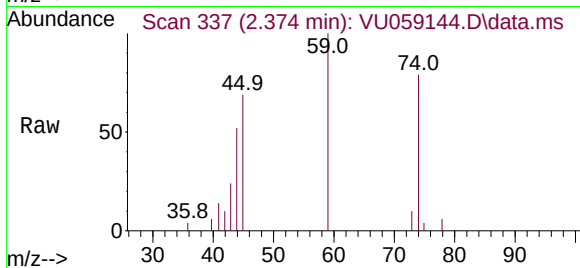
Tgt Ion: 59 Resp: 4029

Ion Ratio Lower Upper

59 100

45 73.1 58.8 88.2

74 75.4 58.0 87.0



#24

tert-Butyl Alcohol

Concen: 1.807 ug/l

RT: 3.184 min Scan# 589

Delta R.T. -0.013 min

Lab File: VU059144.D

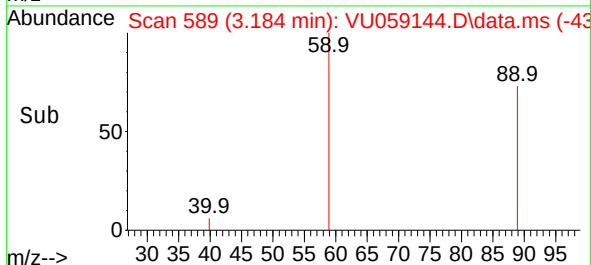
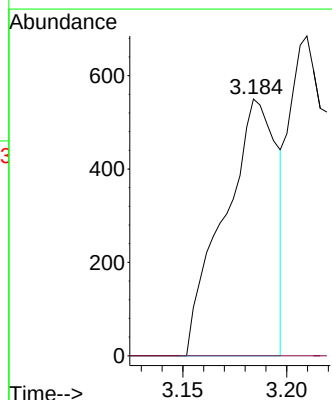
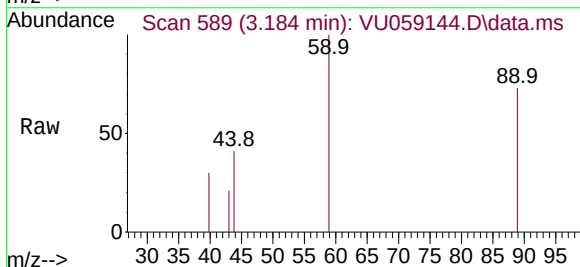
Acq: 05 Jun 2024 09:33

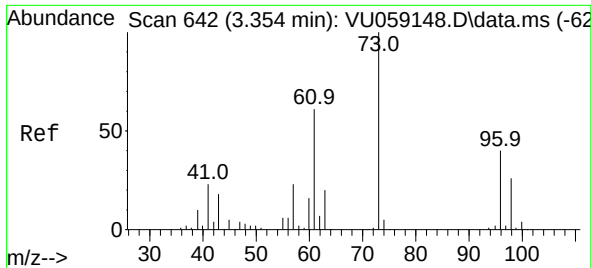
Tgt Ion: 59 Resp: 970

Ion Ratio Lower Upper

59 100

57 0.0 2.9 4.3#

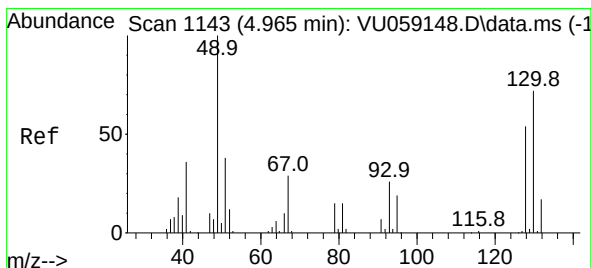
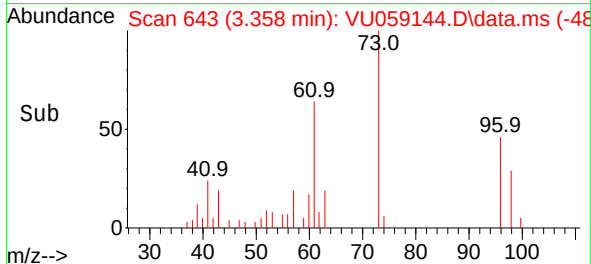
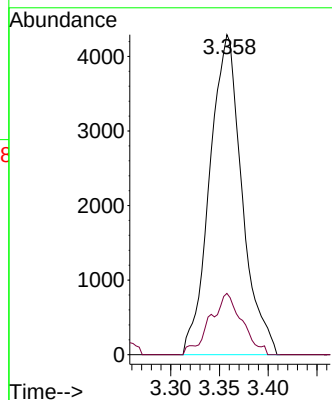
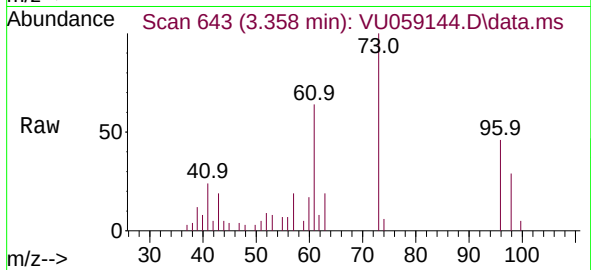




#25  
Methyl tert-Butyl Ether  
Concen: 0.481 ug/l  
RT: 3.358 min Scan# 642  
Delta R.T. 0.003 min  
Lab File: VU059144.D  
Acq: 05 Jun 2024 09:33

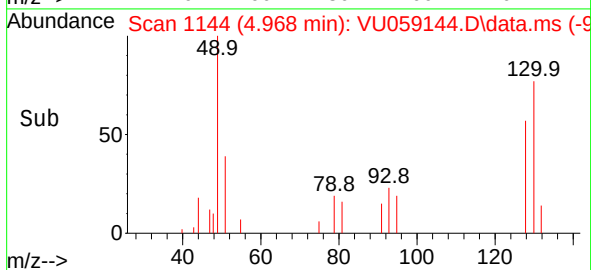
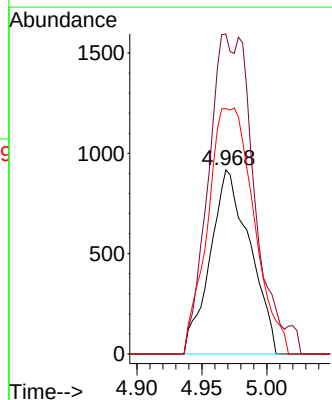
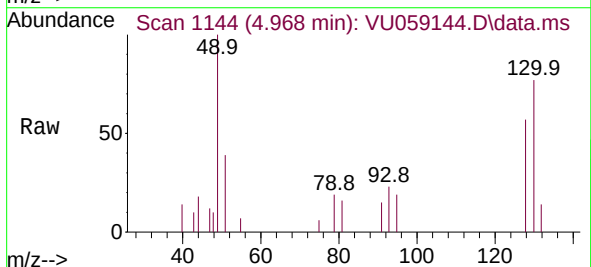
Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion: 73 Resp: 9884  
Ion Ratio Lower Upper  
73 100  
43 19.1 15.0 22.6

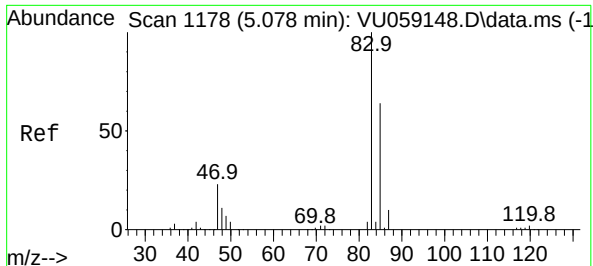


#26  
Bromochloromethane  
Concen: 0.455 ug/l  
RT: 4.968 min Scan# 1144  
Delta R.T. 0.003 min  
Lab File: VU059144.D  
Acq: 05 Jun 2024 09:33

Tgt Ion: 128 Resp: 1952  
Ion Ratio Lower Upper  
128 100  
49 115.0 0.0 371.2  
130 155.0 104.1 156.1







#27

Chloroform

Concen: 0.541 ug/l

RT: 5.081 min Scan# 1178

Delta R.T. 0.003 min

Lab File: VU059144.D

Acq: 05 Jun 2024 09:33

Instrument :

MSVOA\_U

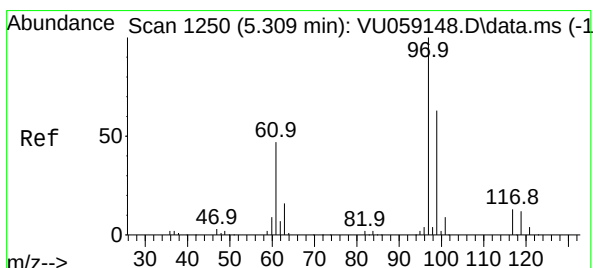
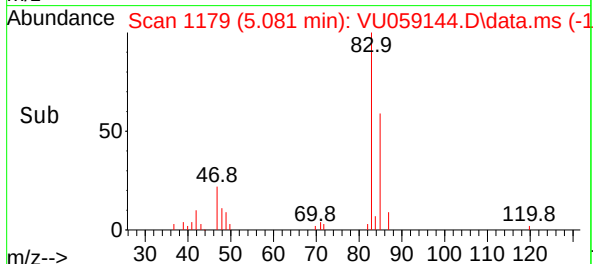
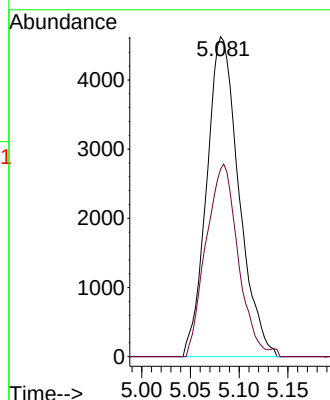
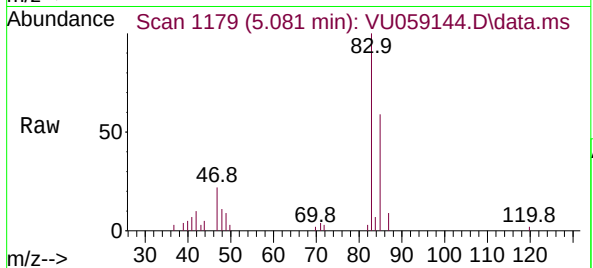
ClientSampleId :

Tgt Ion: 83 Resp: 10639

Ion Ratio Lower Upper

83 100

85 58.7 0.0 127.2



#28

1,1,1-Trichloroethane

Concen: 0.531 ug/l

RT: 5.306 min Scan# 1249

Delta R.T. -0.003 min

Lab File: VU059144.D

Acq: 05 Jun 2024 09:33

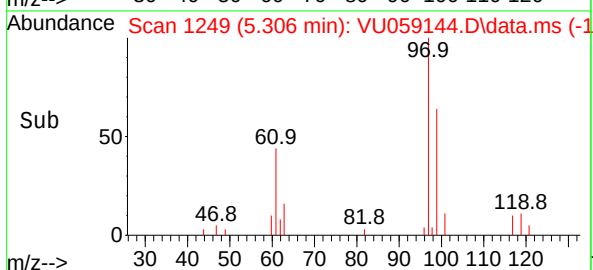
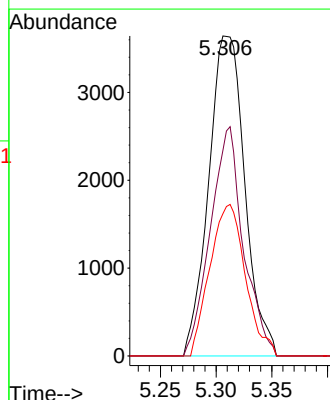
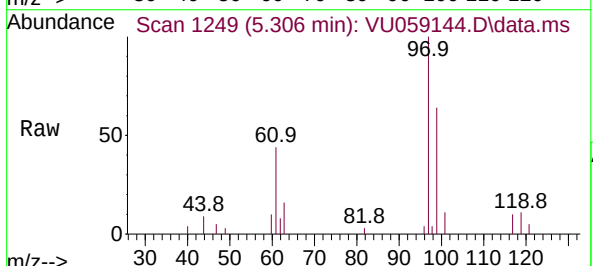
Tgt Ion: 97 Resp: 8239

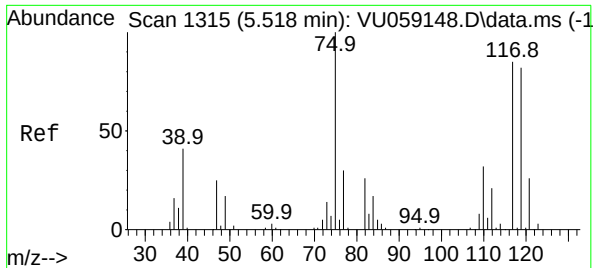
Ion Ratio Lower Upper

97 100

99 65.5 32.0 96.0

61 46.6 23.9 71.7

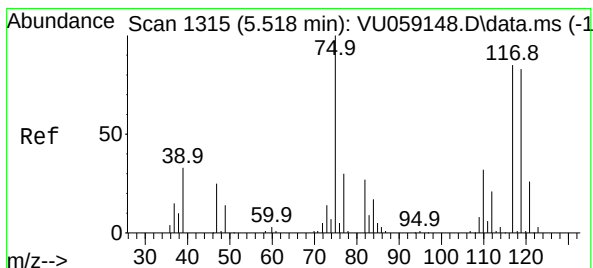
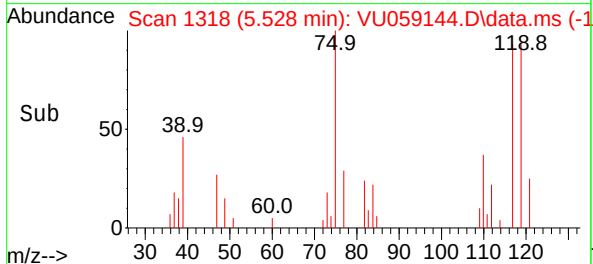
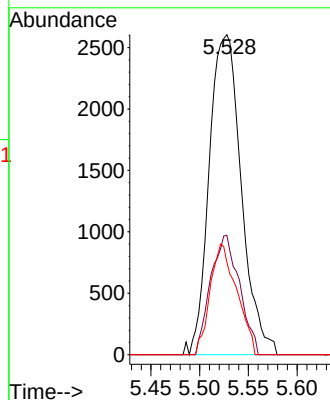
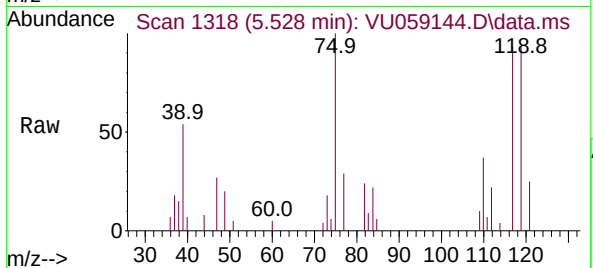




#29  
1,1-Dichloropropene  
Concen: 0.459 ug/l  
RT: 5.528 min Scan# 1318  
Delta R.T. 0.010 min  
Lab File: VU059144.D  
Acq: 05 Jun 2024 09:33

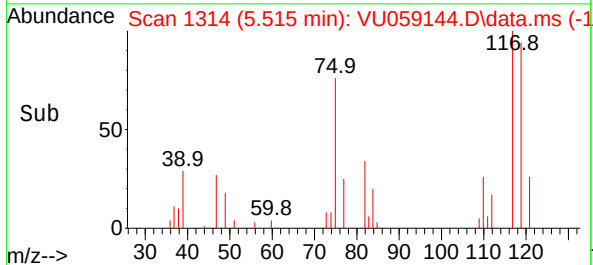
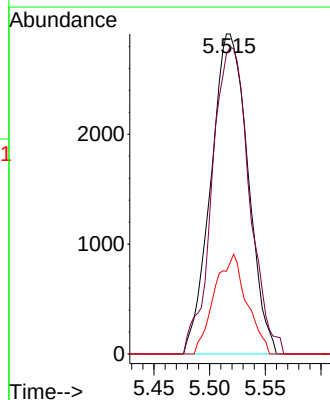
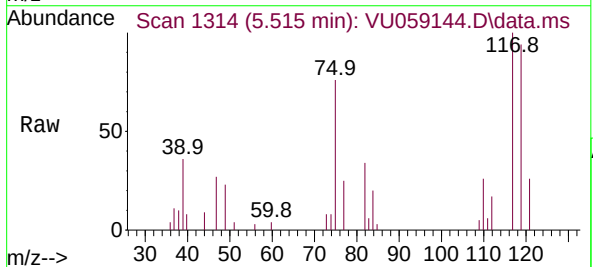
Instrument :  
MSVOA\_U  
ClientSampleId :

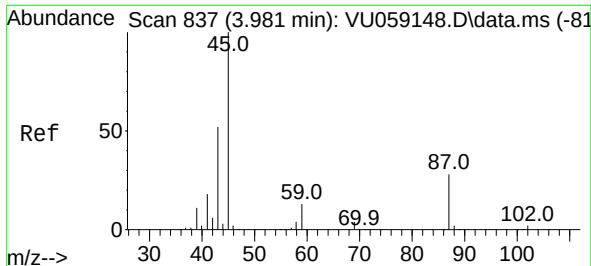
Tgt Ion: 75 Resp: 5971  
Ion Ratio Lower Upper  
75 100  
110 33.5 17.0 50.9  
77 28.7 24.6 36.8



#30  
Carbon Tetrachloride  
Concen: 0.529 ug/l  
RT: 5.515 min Scan# 1314  
Delta R.T. -0.003 min  
Lab File: VU059144.D  
Acq: 05 Jun 2024 09:33

Tgt Ion: 117 Resp: 6729  
Ion Ratio Lower Upper  
117 100  
119 93.8 77.5 116.3  
121 25.9 24.6 37.0

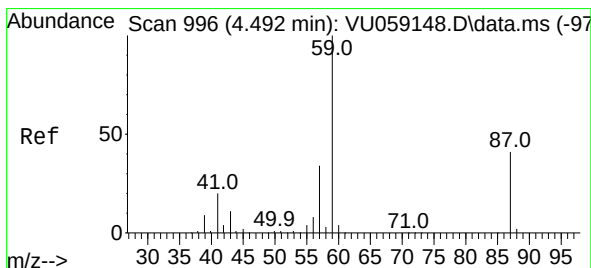
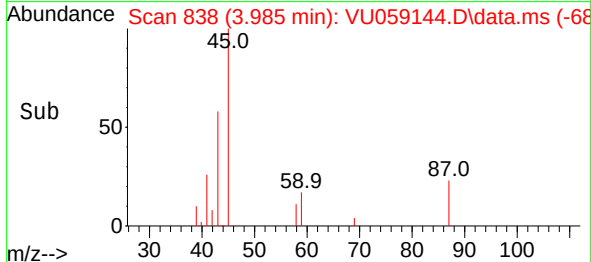
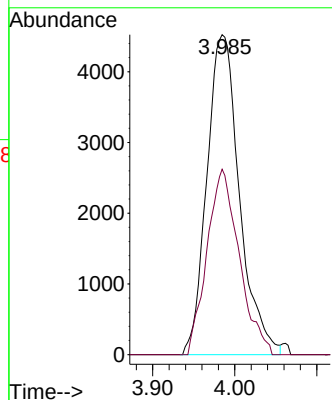
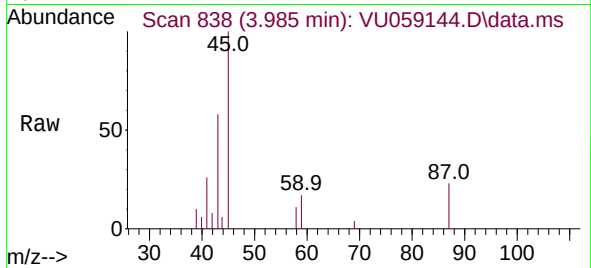




#31  
Isopropyl Ether  
Concen: 0.487 ug/l  
RT: 3.985 min Scan# 837  
Delta R.T. 0.003 min  
Lab File: VU059144.D  
Acq: 05 Jun 2024 09:33

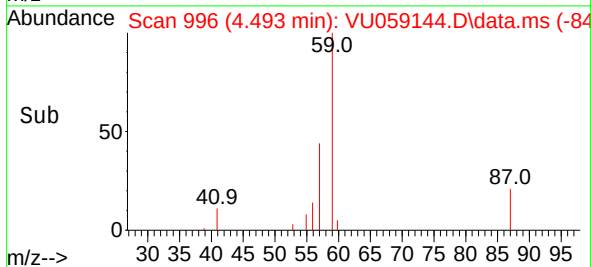
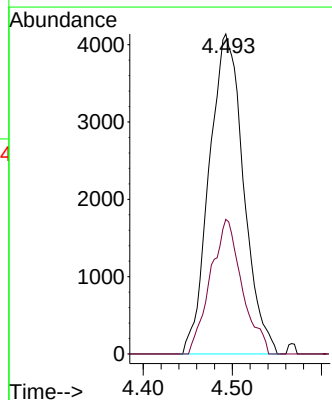
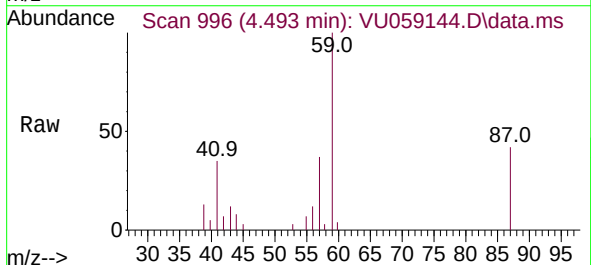
Instrument :  
MSVOA\_U  
ClientSampleId :

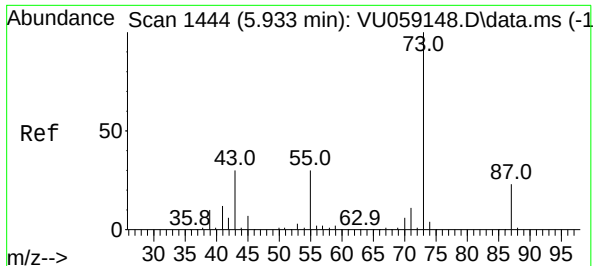
Tgt Ion: 45 Resp: 12512  
Ion Ratio Lower Upper  
45 100  
43 57.1 26.1 78.3



#32  
Ethyl-t-butyl ether  
Concen: 0.464 ug/l  
RT: 4.493 min Scan# 996  
Delta R.T. 0.000 min  
Lab File: VU059144.D  
Acq: 05 Jun 2024 09:33

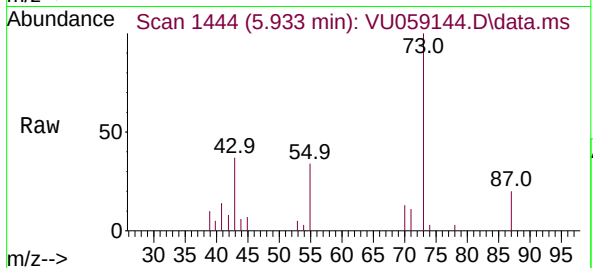
Tgt Ion: 59 Resp: 11078  
Ion Ratio Lower Upper  
59 100  
87 38.7 32.2 48.4



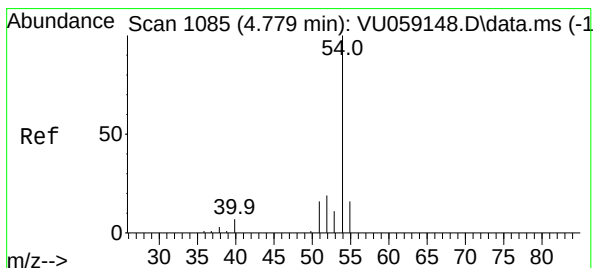
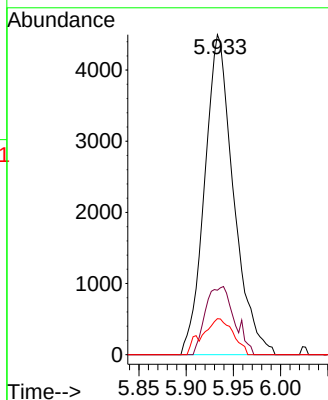
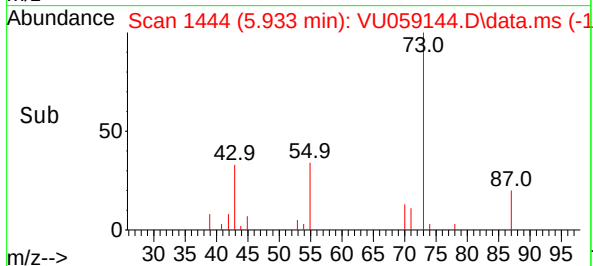


#33  
Tert-Amyl methyl ether  
Concen: 0.454 ug/l  
RT: 5.933 min Scan# 1444  
Delta R.T. 0.000 min  
Lab File: VU059144.D  
Acq: 05 Jun 2024 09:33

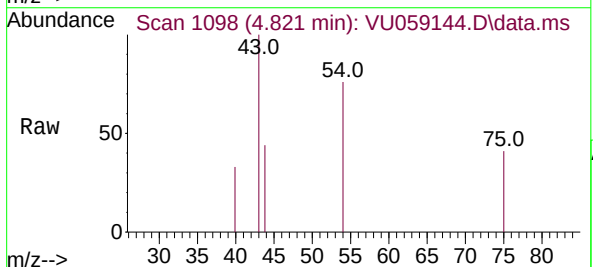
Instrument :  
MSVOA\_U  
ClientSampleId :



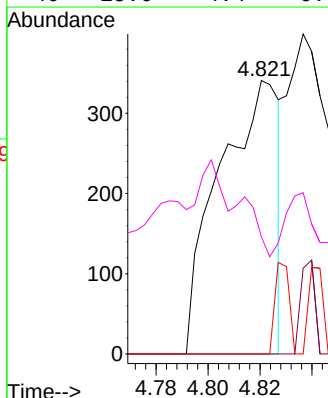
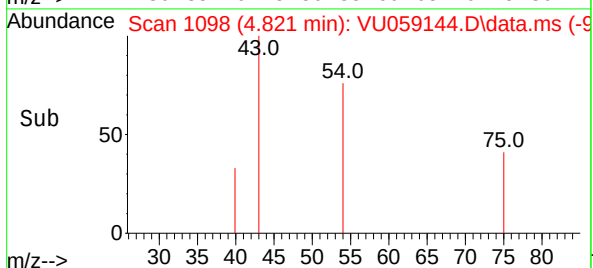
Tgt Ion: 73 Resp: 9564  
Ion Ratio Lower Upper  
73 100  
87 21.3 18.6 27.8  
71 7.2 9.1 13.7#

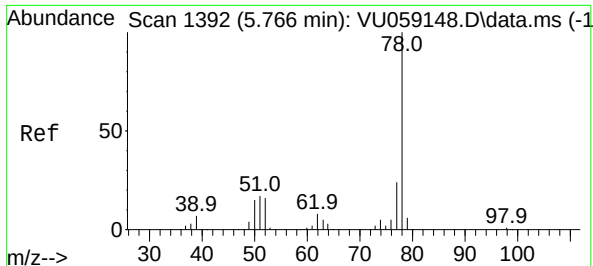


#34  
Propionitrile  
Concen: 0.728 ug/l  
RT: 4.821 min Scan# 1098  
Delta R.T. 0.042 min  
Lab File: VU059144.D  
Acq: 05 Jun 2024 09:33



Tgt Ion: 54 Resp: 540  
Ion Ratio Lower Upper  
54 100  
52 0.0 15.2 22.8#  
55 8.0 12.4 18.6#  
40 25.6 4.4 6.6#





#35

Benzene

Concen: 0.487 ug/l

RT: 5.769 min Scan# 1400

Delta R.T. 0.003 min

Lab File: VU059144.D

Acq: 05 Jun 2024 09:33

Instrument :

MSVOA\_U

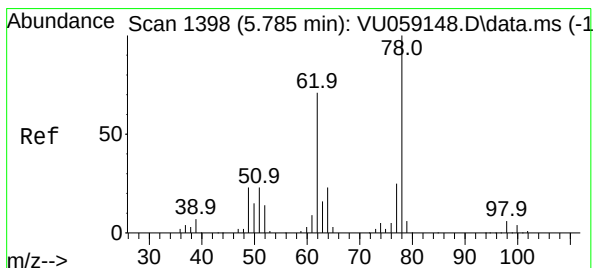
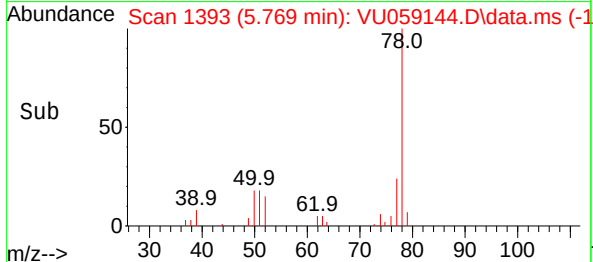
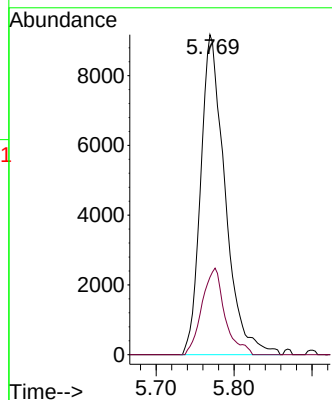
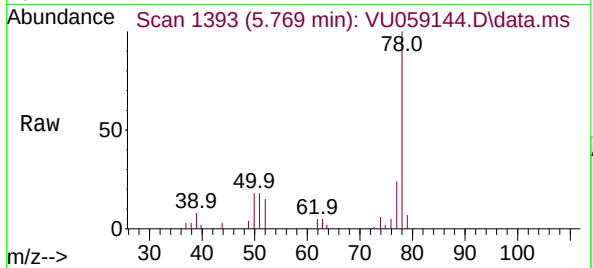
ClientSampleId :

Tgt Ion: 78 Resp: 19921

Ion Ratio Lower Upper

78 100

77 24.2 19.4 29.2



#36

1,2-Dichloroethane

Concen: 0.482 ug/l

RT: 5.798 min Scan# 1402

Delta R.T. 0.013 min

Lab File: VU059144.D

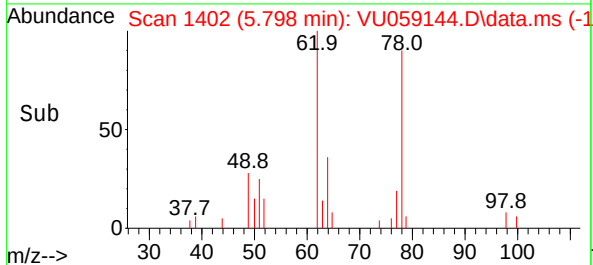
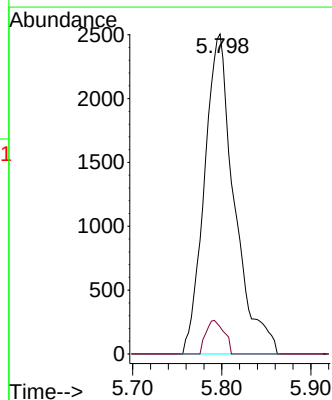
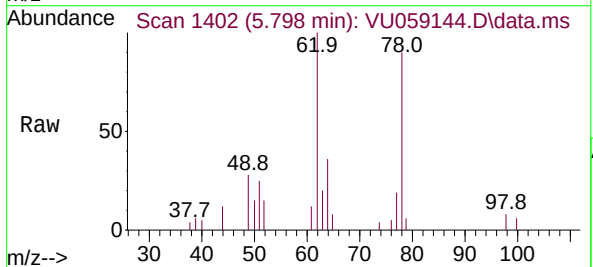
Acq: 05 Jun 2024 09:33

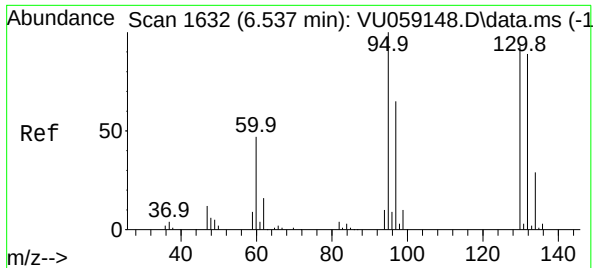
Tgt Ion: 62 Resp: 5847

Ion Ratio Lower Upper

62 100

98 6.3 6.7 10.1#

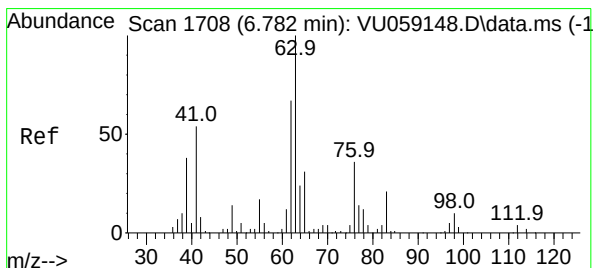
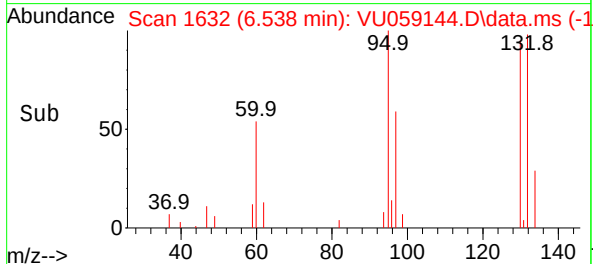
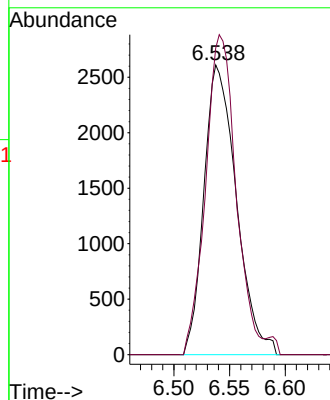
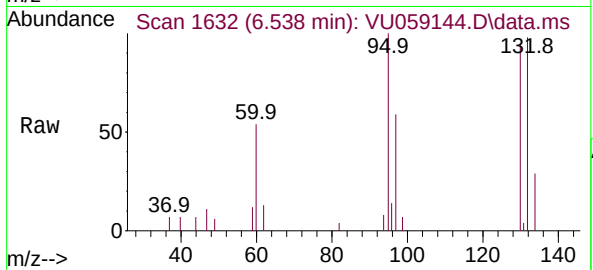




#37  
Trichloroethene  
Concen: 0.542 ug/l  
RT: 6.538 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VU059144.D  
Acq: 05 Jun 2024 09:33

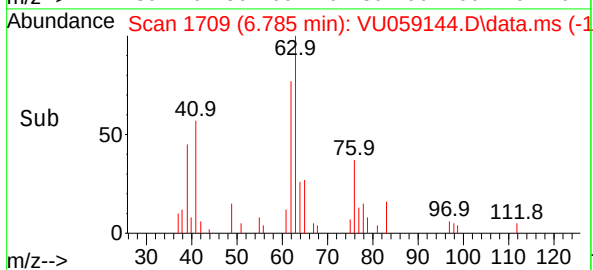
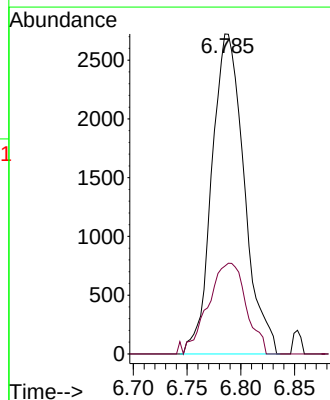
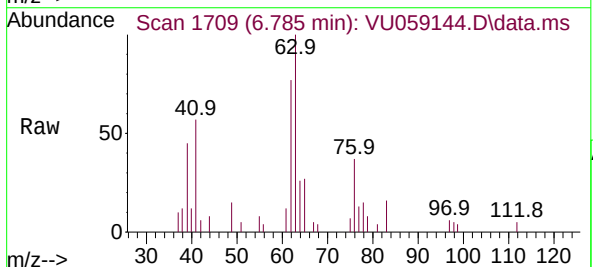
Instrument :  
MSVOA\_U  
ClientSampleId :

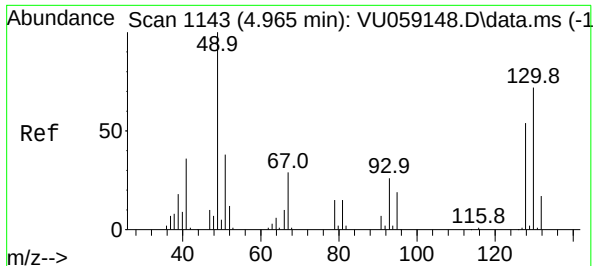
Tgt Ion:130 Resp: 5293  
Ion Ratio Lower Upper  
130 100  
95 105.8 85.6 128.4



#38  
1,2-Dichloropropane  
Concen: 0.490 ug/l  
RT: 6.785 min Scan# 1709  
Delta R.T. 0.003 min  
Lab File: VU059144.D  
Acq: 05 Jun 2024 09:33

Tgt Ion: 63 Resp: 5686  
Ion Ratio Lower Upper  
63 100  
65 27.4 24.6 37.0





#39

Methacrylonitrile

Concen: 0.227 ug/l

RT: 4.991 min Scan# 1151

Delta R.T. 0.026 min

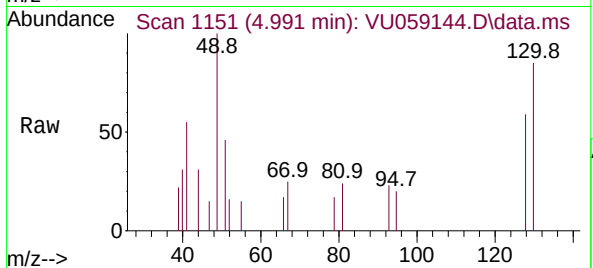
Lab File: VU059144.D

Acq: 05 Jun 2024 09:33

Instrument :

MSVOA\_U

ClientSampleId :



Tgt Ion: 41 Resp: 634

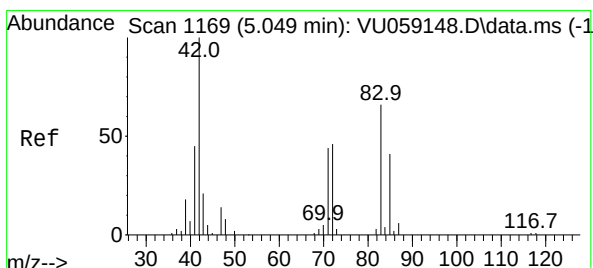
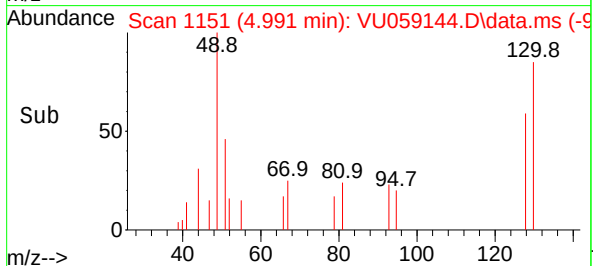
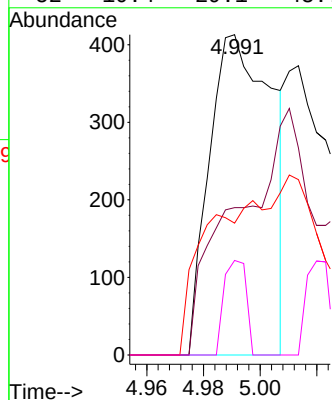
Ion Ratio Lower Upper

41 100

67 0.0 68.2 102.4#

39 46.4 43.4 65.2

52 10.4 29.1 43.7#



#41

Tetrahydrofuran

Concen: 0.770 ug/l

RT: 5.068 min Scan# 1175

Delta R.T. 0.019 min

Lab File: VU059144.D

Acq: 05 Jun 2024 09:33

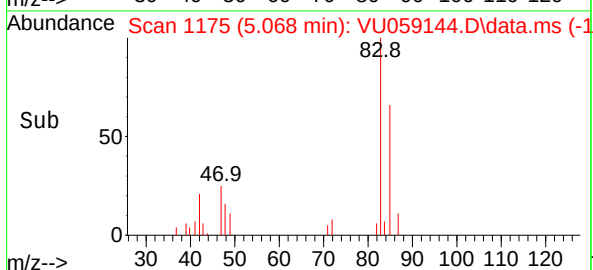
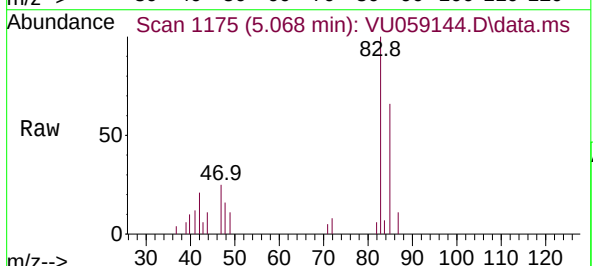
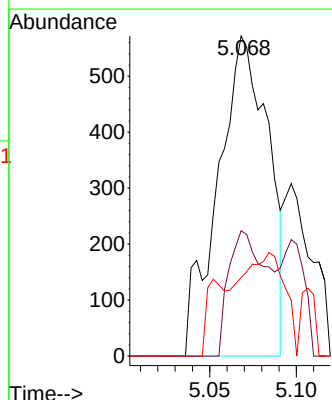
Tgt Ion: 42 Resp: 1158

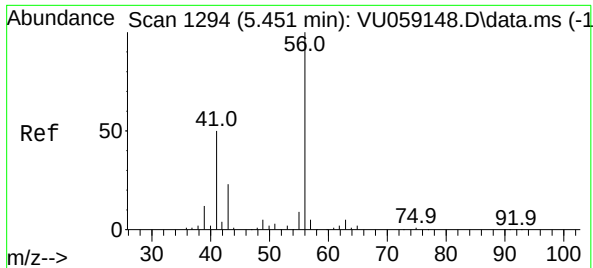
Ion Ratio Lower Upper

42 100

72 28.9 40.7 61.1#

71 8.4 36.5 54.7#

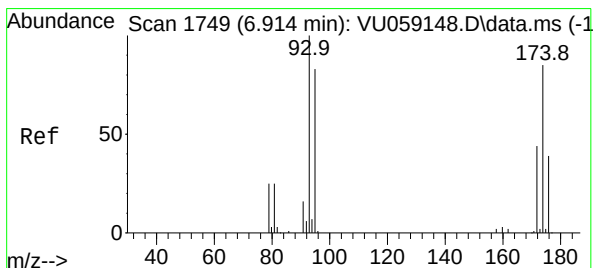
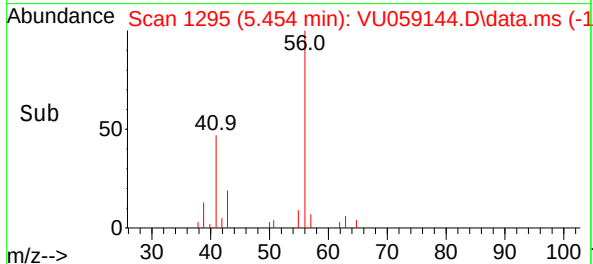
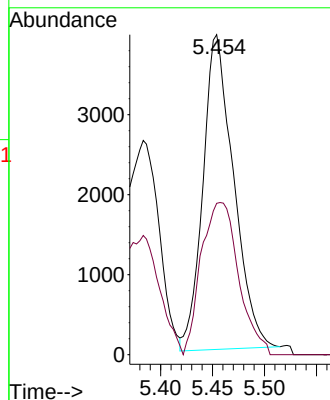
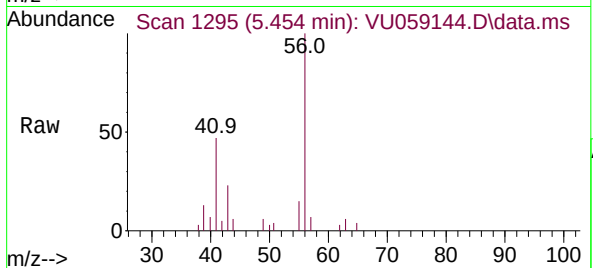




#42  
1-Chlorobutane  
Concen: 0.450 ug/l  
RT: 5.454 min Scan# 1294  
Delta R.T. 0.003 min  
Lab File: VU059144.D  
Acq: 05 Jun 2024 09:33

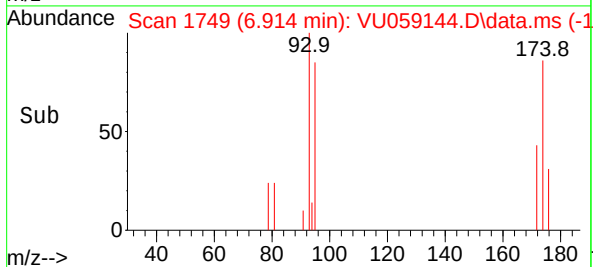
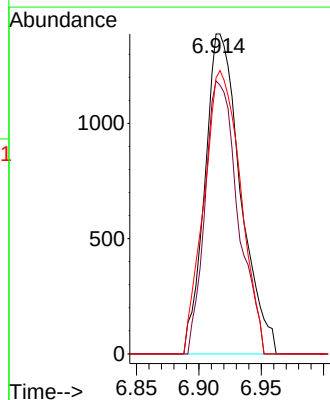
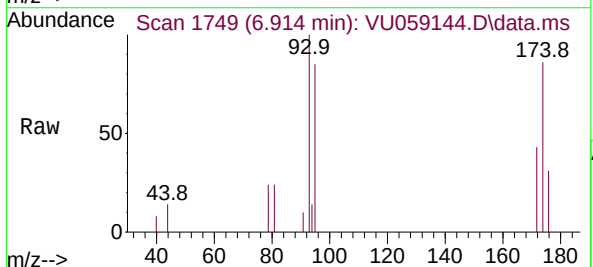
Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion: 56 Resp: 8084  
Ion Ratio Lower Upper  
56 100  
41 58.8 25.7 77.1

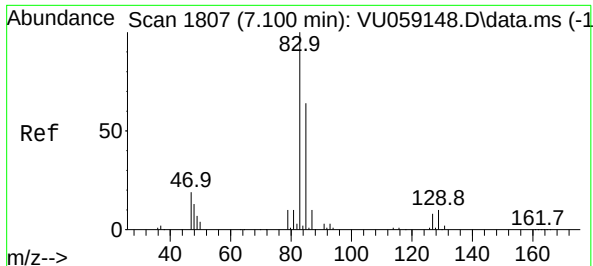


#43  
Dibromomethane  
Concen: 0.526 ug/l  
RT: 6.914 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VU059144.D  
Acq: 05 Jun 2024 09:33

Tgt Ion: 93 Resp: 2765  
Ion Ratio Lower Upper  
93 100  
95 79.1 66.1 99.1  
174 90.6 67.2 100.8



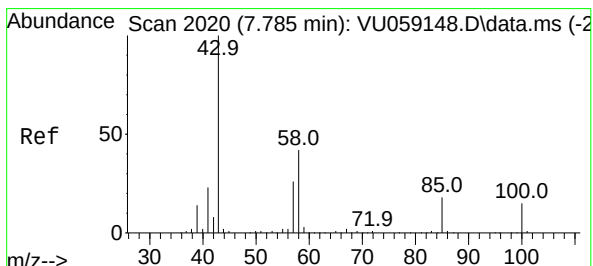
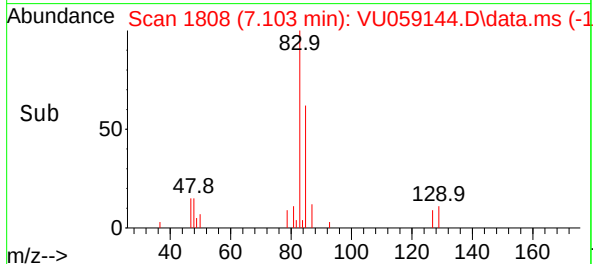
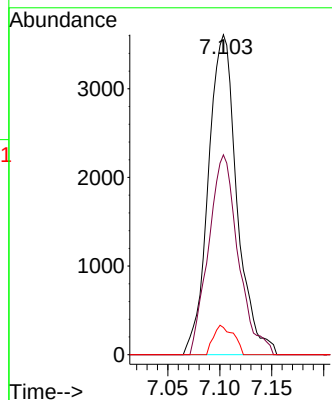
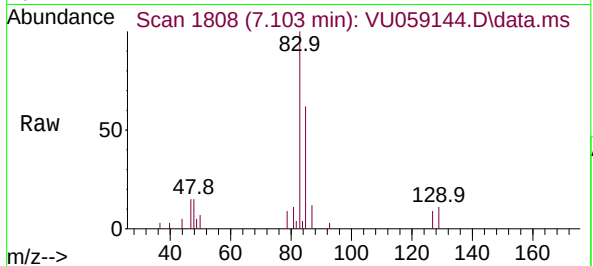




#44  
Bromodichloromethane  
Concen: 0.508 ug/l  
RT: 7.103 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: VU059144.D  
Acq: 05 Jun 2024 09:33

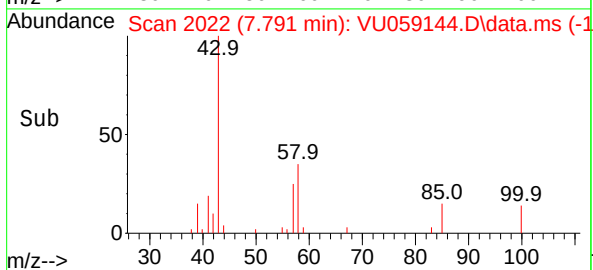
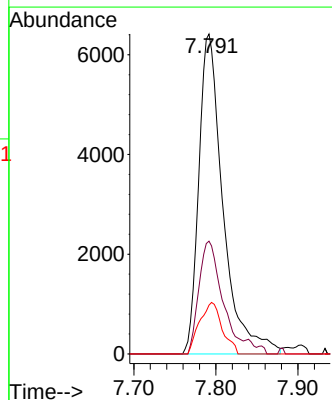
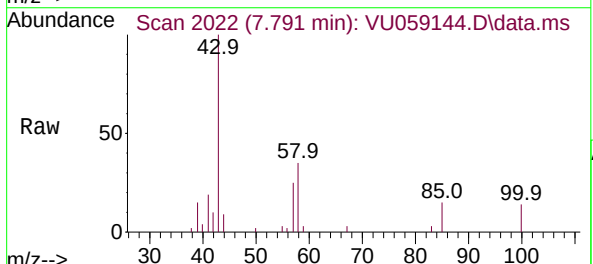
Instrument :  
MSVOA\_U  
ClientSampleId :

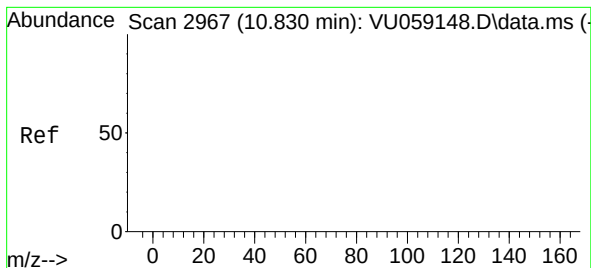
Tgt Ion: 83 Resp: 6919  
Ion Ratio Lower Upper  
83 100  
85 62.4 51.0 76.4  
127 8.5 6.4 9.6



#45  
4-Methyl-2-Pentanone  
Concen: 2.336 ug/l  
RT: 7.791 min Scan# 2022  
Delta R.T. 0.007 min  
Lab File: VU059144.D  
Acq: 05 Jun 2024 09:33

Tgt Ion: 43 Resp: 13163  
Ion Ratio Lower Upper  
43 100  
58 33.8 21.1 63.3  
85 15.0 14.6 22.0

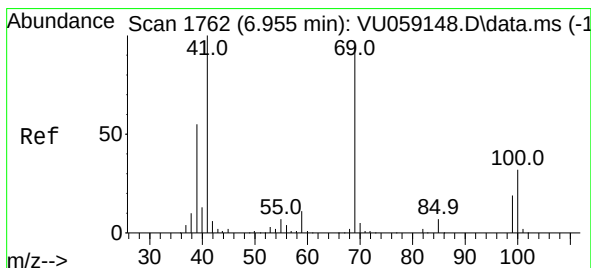
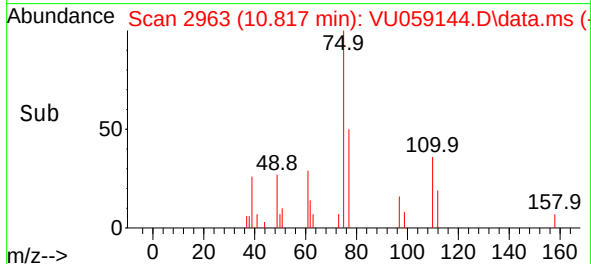
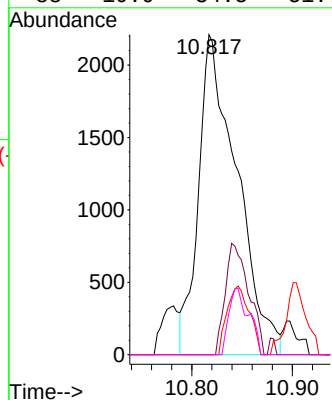
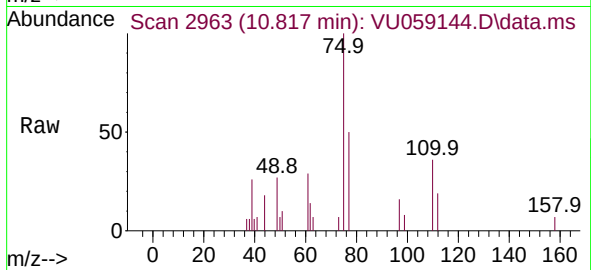




#46  
t-1,4-Dichloro-2-butene  
Concen: 2.408 ug/l  
RT: 10.817 min Scan# 2963  
Delta R.T. -0.013 min  
Lab File: VU059144.D  
Acq: 05 Jun 2024 09:33

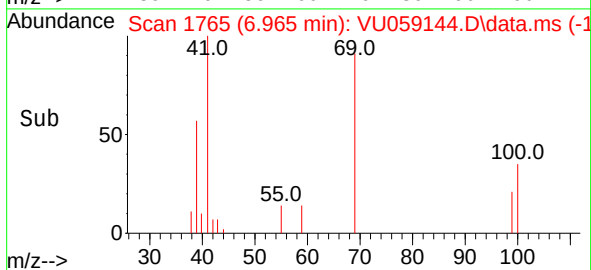
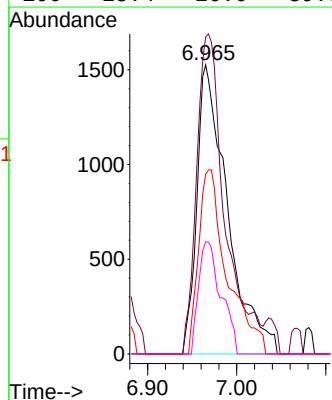
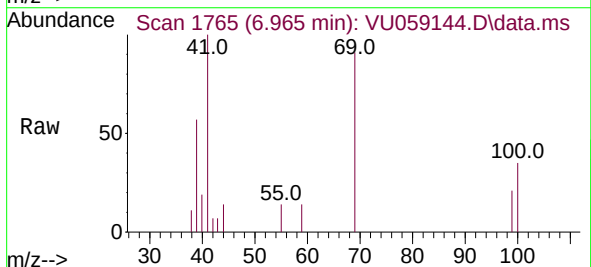
Instrument :  
MSVOA\_U  
ClientSampleId :

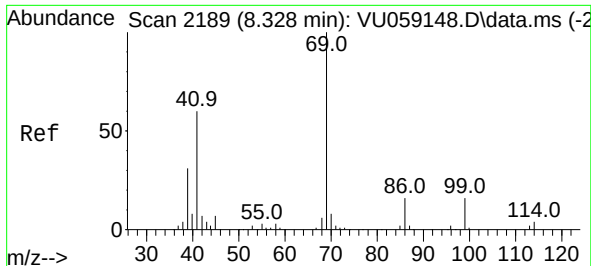
Tgt Ion: 75 Resp: 5831  
Ion Ratio Lower Upper  
75 100  
53 21.4 72.2 108.4#  
89 12.5 47.0 70.4#  
88 10.9 34.5 51.7#



#47  
Methyl methacrylate  
Concen: 0.811 ug/l  
RT: 6.965 min Scan# 1765  
Delta R.T. 0.010 min  
Lab File: VU059144.D  
Acq: 05 Jun 2024 09:33

Tgt Ion: 69 Resp: 3660  
Ion Ratio Lower Upper  
69 100  
41 102.0 0.0 208.8  
39 59.1 46.0 69.0  
100 28.4 26.0 39.0





#48

Ethyl methacrylate

Concen: 0.408 ug/l

RT: 8.335 min Scan# 2189

Delta R.T. 0.007 min

Lab File: VU059144.D

Acq: 05 Jun 2024 09:33

Instrument :

MSVOA\_U

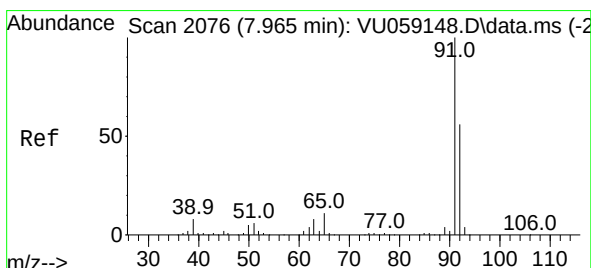
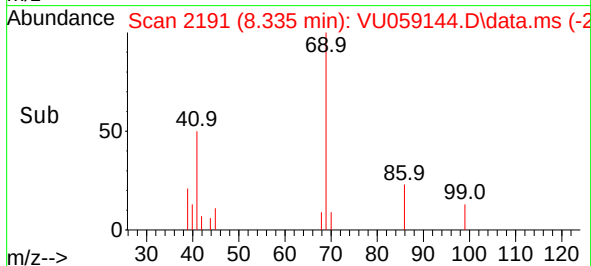
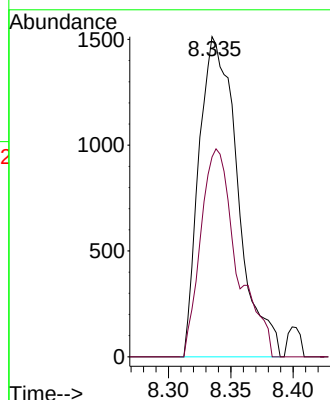
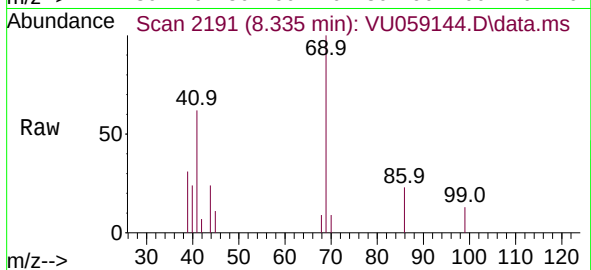
ClientSampleId :

Tgt Ion: 69 Resp: 3253

Ion Ratio Lower Upper

69 100

41 60.9 30.2 90.6



#49

Toluene

Concen: 0.437 ug/l

RT: 7.968 min Scan# 2077

Delta R.T. 0.003 min

Lab File: VU059144.D

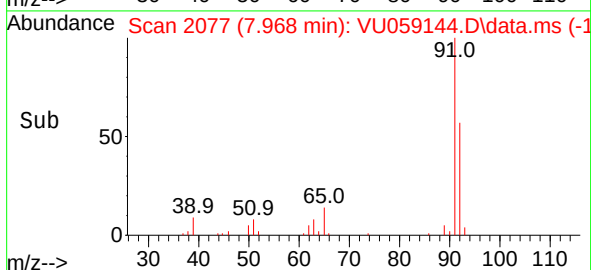
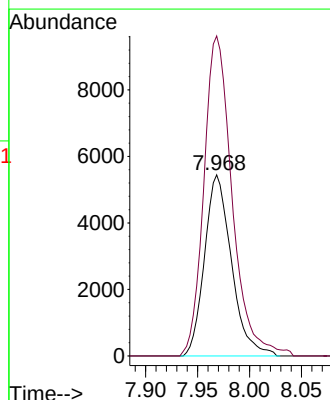
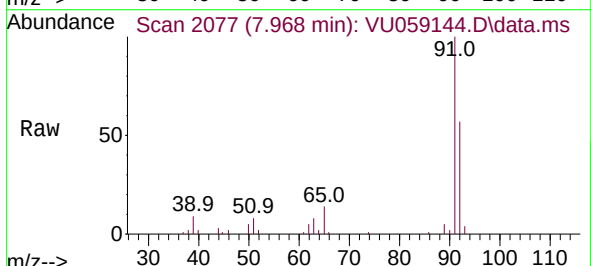
Acq: 05 Jun 2024 09:33

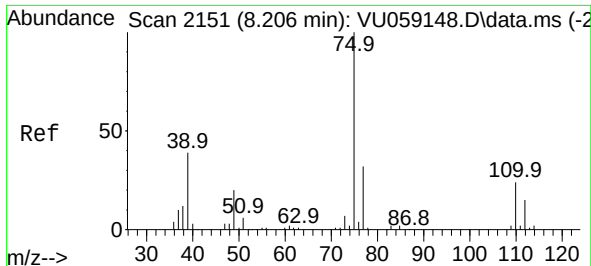
Tgt Ion: 92 Resp: 9839

Ion Ratio Lower Upper

92 100

91 185.3 143.4 215.0

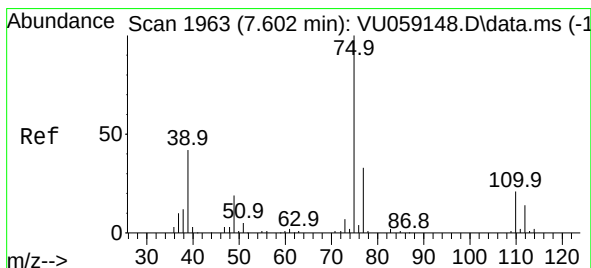
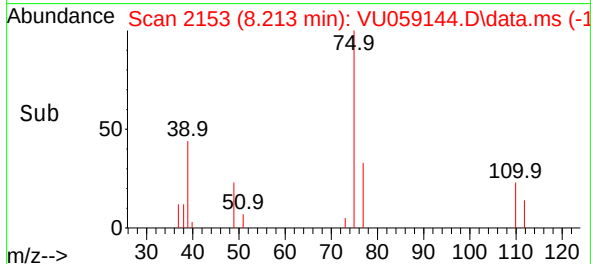
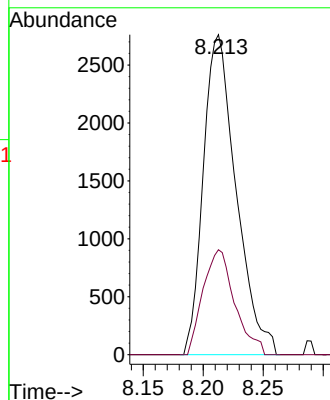
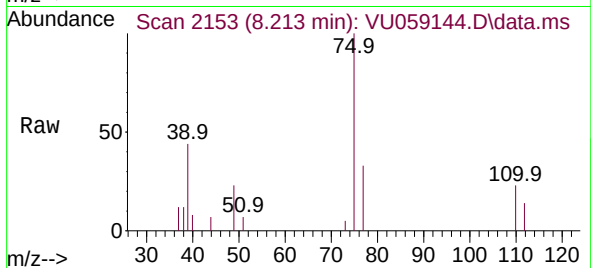




#50  
t-1,3-Dichloropropene  
Concen: 0.451 ug/l  
RT: 8.213 min Scan# 2153  
Delta R.T. 0.007 min  
Lab File: VU059144.D  
Acq: 05 Jun 2024 09:33

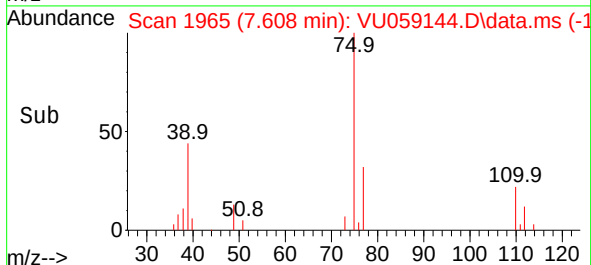
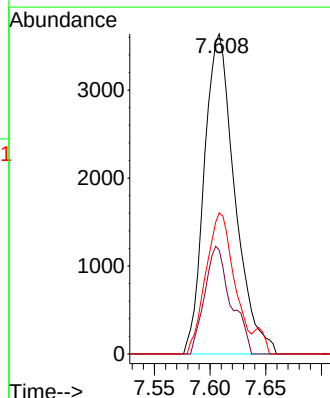
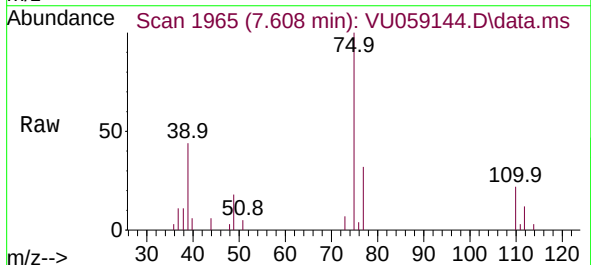
Instrument :  
MSVOA\_U  
ClientSampleId :

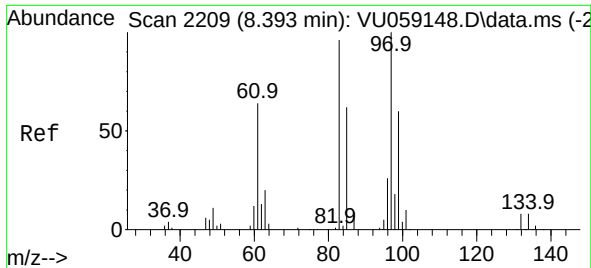
Tgt Ion: 75 Resp: 5254  
Ion Ratio Lower Upper  
75 100  
77 32.8 25.3 37.9



#51  
cis-1,3-Dichloropropene  
Concen: 0.486 ug/l  
RT: 7.608 min Scan# 1965  
Delta R.T. 0.007 min  
Lab File: VU059144.D  
Acq: 05 Jun 2024 09:33

Tgt Ion: 75 Resp: 6935  
Ion Ratio Lower Upper  
75 100  
77 32.5 26.0 39.0  
39 44.1 33.2 49.8

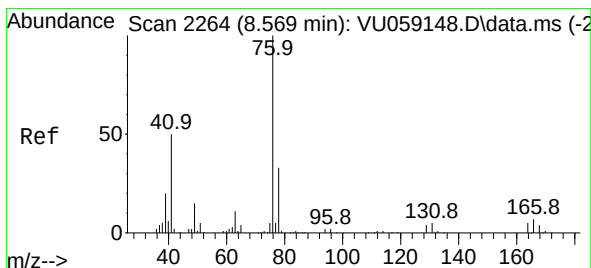
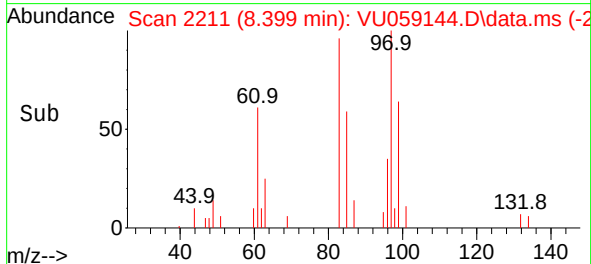
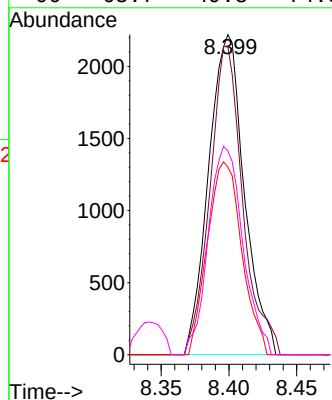
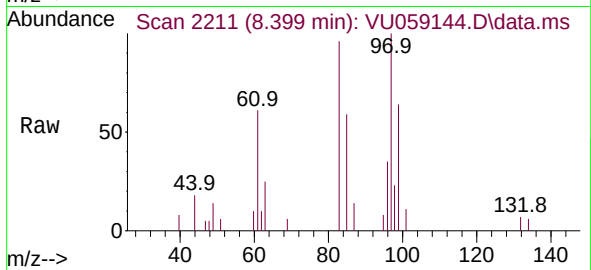




#52  
1,1,2-Trichloroethane  
Concen: 0.525 ug/l  
RT: 8.399 min Scan# 2209  
Delta R.T. 0.007 min  
Lab File: VU059144.D  
Acq: 05 Jun 2024 09:33

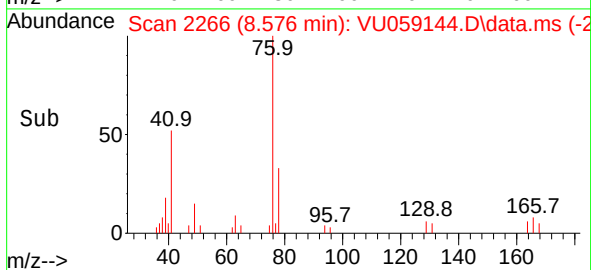
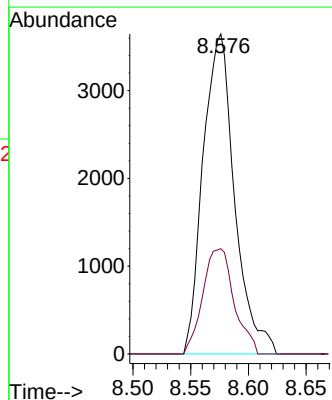
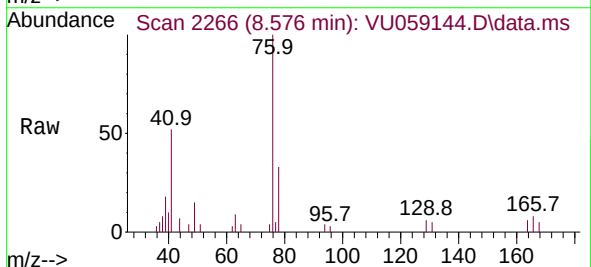
Instrument :  
MSVOA\_U  
ClientSampleId :

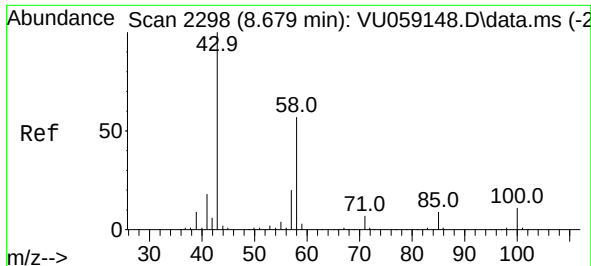
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 4078  |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 96.4  | 76.4  | 114.6 |
| 85       | 58.6  | 49.6  | 74.4  |
| 99       | 63.7  | 49.8  | 74.8  |



#53  
1,3-Dichloropropane  
Concen: 0.517 ug/l  
RT: 8.576 min Scan# 2266  
Delta R.T. 0.007 min  
Lab File: VU059144.D  
Acq: 05 Jun 2024 09:33

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 76    | Resp: | 6913  |
| Ion      | Ratio | Lower | Upper |
| 76       | 100   |       |       |
| 78       | 32.8  | 25.4  | 38.2  |





#54

2-Hexanone

Concen: 3.773 ug/l

RT: 8.692 min Scan# 2298

Delta R.T. 0.013 min

Lab File: VU059144.D

Acq: 05 Jun 2024 09:33

Instrument :

MSVOA\_U

ClientSampleId :

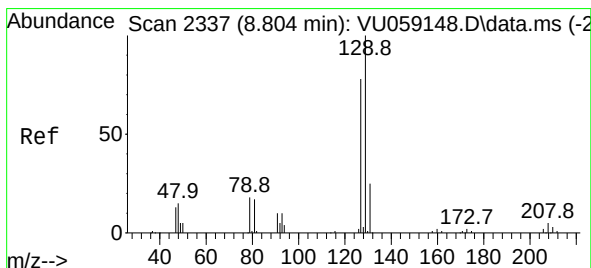
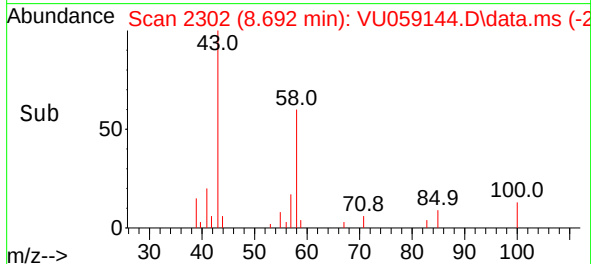
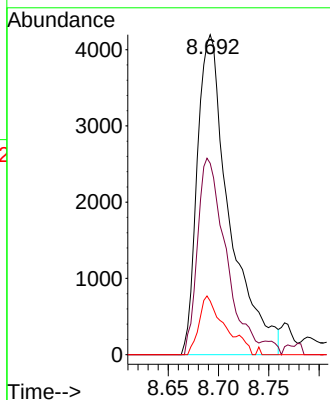
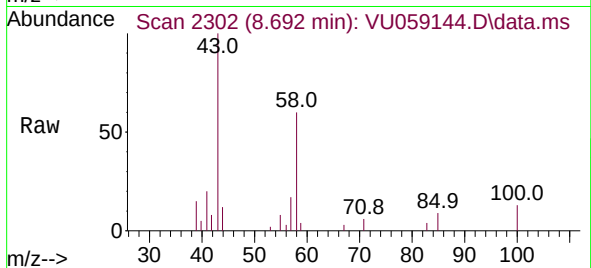
Tgt Ion: 43 Resp: 9295

Ion Ratio Lower Upper

43 100

58 54.1 38.6 78.6

57 14.7 0.0 39.5



#55

Dibromochloromethane

Concen: 0.518 ug/l

RT: 8.804 min Scan# 2337

Delta R.T. 0.000 min

Lab File: VU059144.D

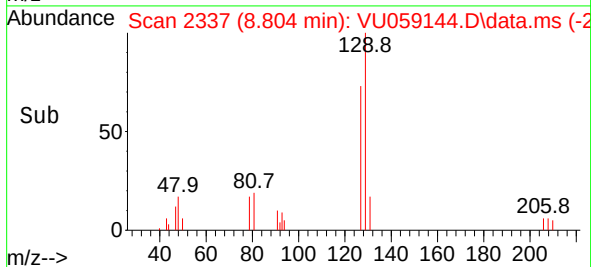
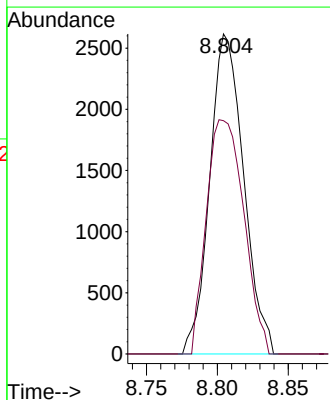
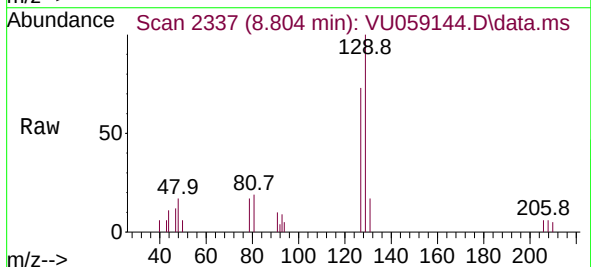
Acq: 05 Jun 2024 09:33

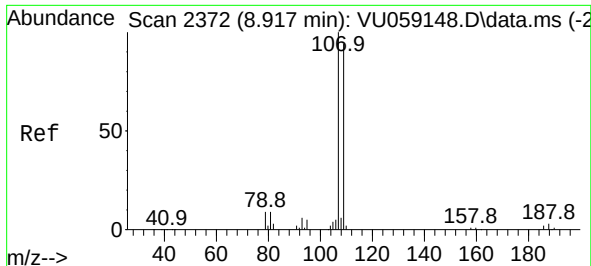
Tgt Ion: 129 Resp: 4355

Ion Ratio Lower Upper

129 100

127 80.8 61.9 92.9

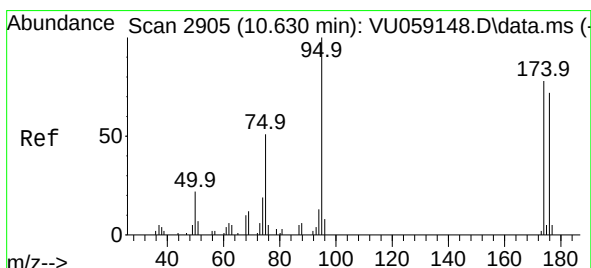
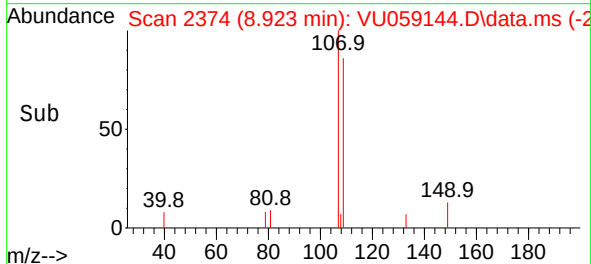
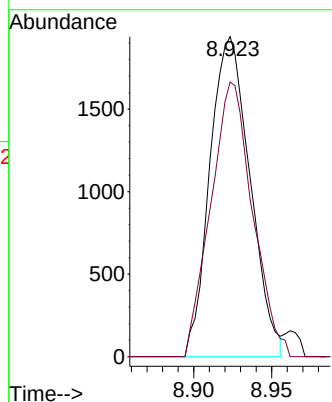
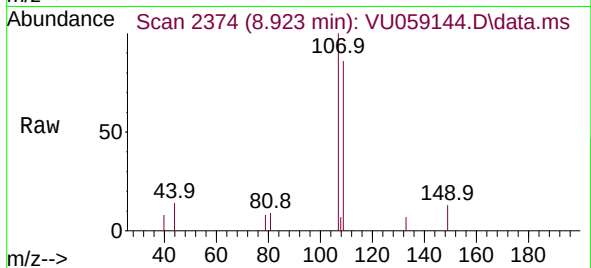




#56  
1,2-Dibromoethane  
Concen: 0.509 ug/l  
RT: 8.923 min Scan# 2374  
Delta R.T. 0.007 min  
Lab File: VU059144.D  
Acq: 05 Jun 2024 09:33

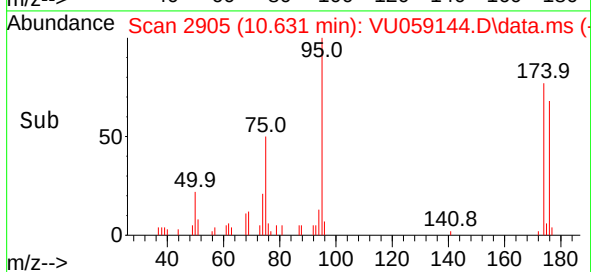
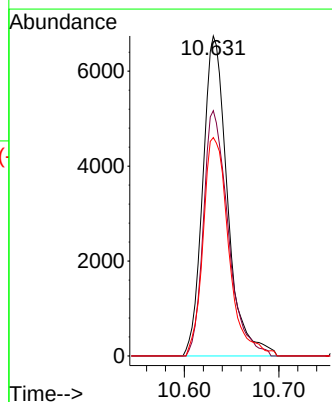
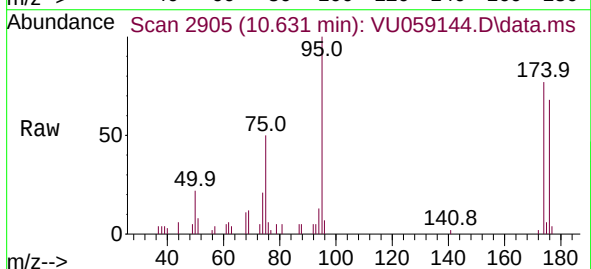
Instrument :  
MSVOA\_U  
ClientSampleId :

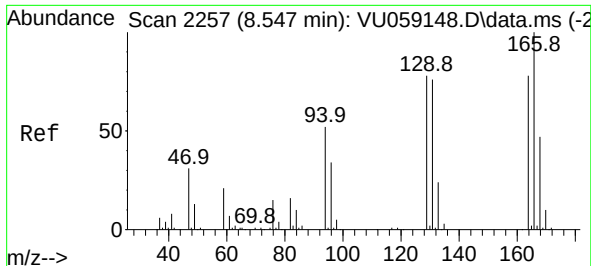
Tgt Ion:107 Resp: 3468  
Ion Ratio Lower Upper  
107 100  
109 89.3 0.0 188.2



#57  
4-Bromofluorobenzene  
Concen: 1.007 ug/l  
RT: 10.631 min Scan# 2905  
Delta R.T. 0.000 min  
Lab File: VU059144.D  
Acq: 05 Jun 2024 09:33

Tgt Ion: 95 Resp: 12186  
Ion Ratio Lower Upper  
95 100  
174 77.1 59.6 89.4  
176 71.2 57.3 85.9





#58

Tetrachloroethene

Concen: 0.530 ug/l

RT: 8.547 min Scan# 21

Delta R.T. 0.000 min

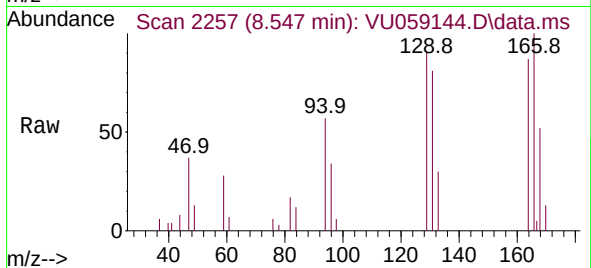
Lab File: VU059144.D

Acq: 05 Jun 2024 09:33

Instrument :

MSVOA\_U

ClientSampleId :



Tgt Ion:164 Resp: 4772

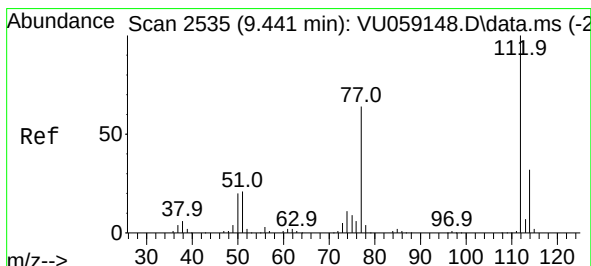
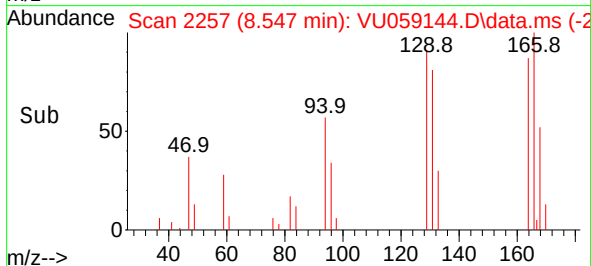
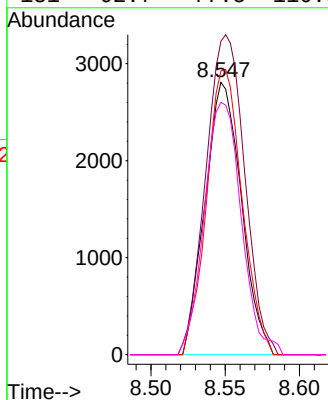
Ion Ratio Lower Upper

164 100

166 115.1 102.6 153.8

129 104.2 80.3 120.5

131 92.7 77.5 116.3



#59

Chlorobenzene

Concen: 0.464 ug/l

RT: 9.447 min Scan# 2537

Delta R.T. 0.007 min

Lab File: VU059144.D

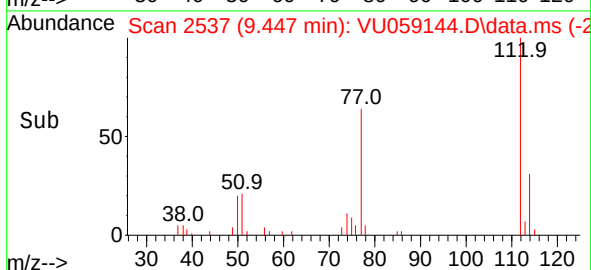
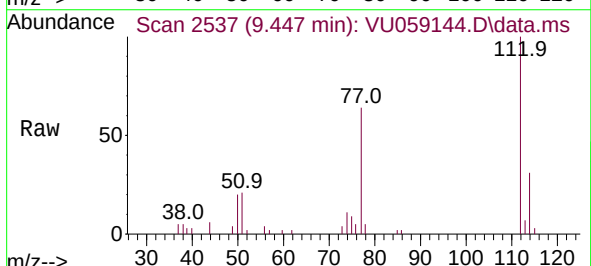
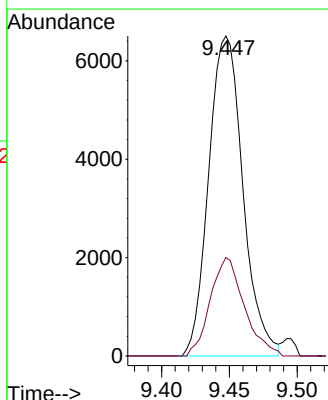
Acq: 05 Jun 2024 09:33

Tgt Ion:112 Resp: 11433

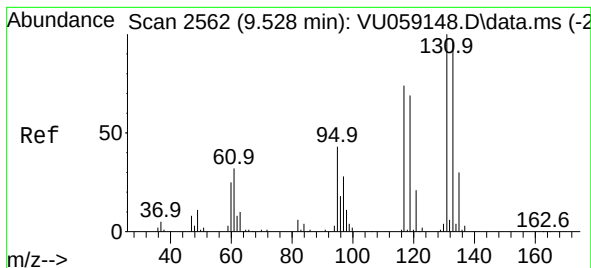
Ion Ratio Lower Upper

112 100

114 30.8 25.6 38.4



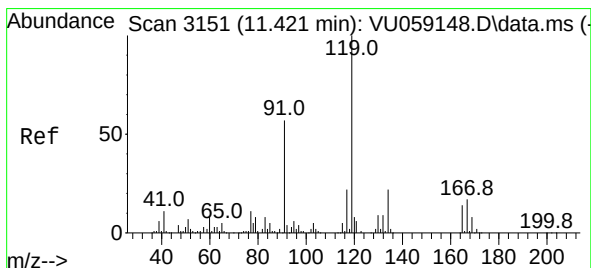
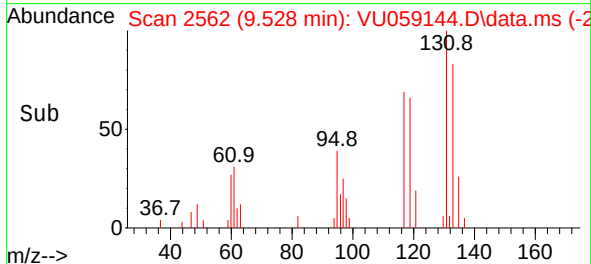
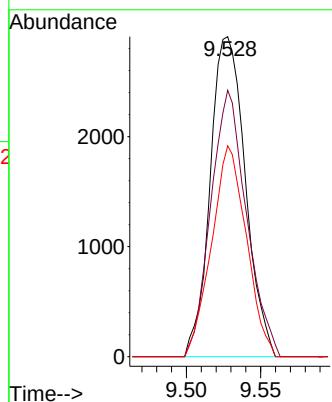
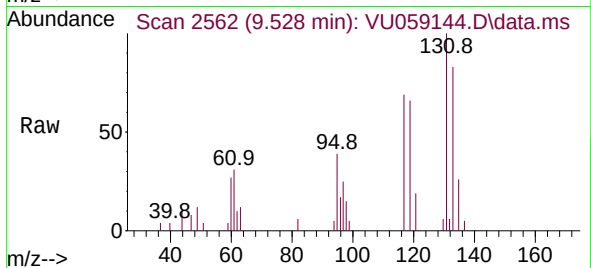




#60  
1,1,1,2-Tetrachloroethane  
Concen: 0.541 ug/l  
RT: 9.528 min Scan# 2562  
Delta R.T. 0.000 min  
Lab File: VU059144.D  
Acq: 05 Jun 2024 09:33

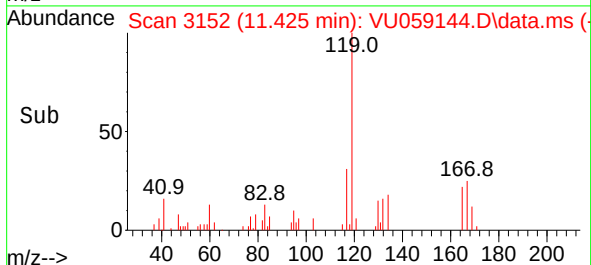
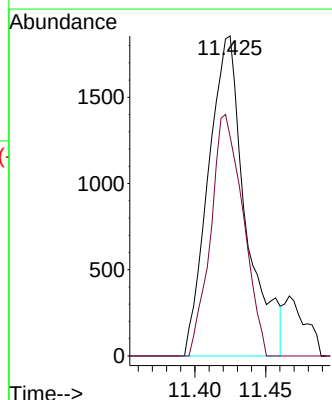
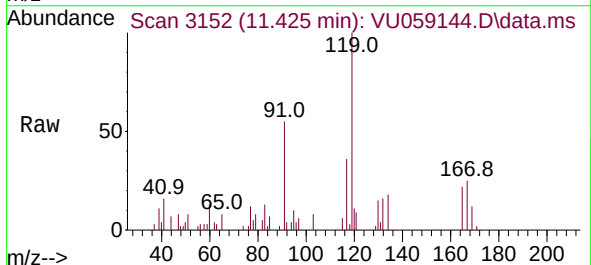
Instrument :  
MSVOA\_U  
ClientSampleId :

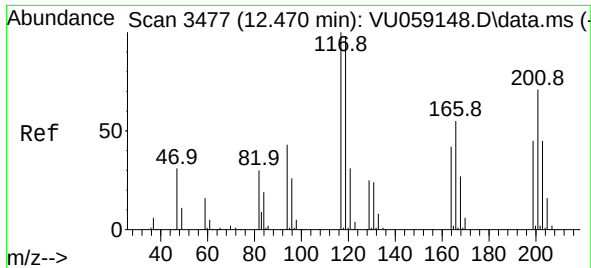
Tgt Ion:131 Resp: 4774  
Ion Ratio Lower Upper  
131 100  
133 84.6 76.7 115.1  
119 65.3 55.3 82.9



#61  
Pentachloroethane  
Concen: 0.497 ug/l  
RT: 11.425 min Scan# 3152  
Delta R.T. 0.003 min  
Lab File: VU059144.D  
Acq: 05 Jun 2024 09:33

Tgt Ion:117 Resp: 3404  
Ion Ratio Lower Upper  
117 100  
167 65.4 58.1 87.1





#62

Hexachloroethane

Concen: 0.458 ug/l

RT: 12.470 min Scan# 3477

Delta R.T. 0.000 min

Lab File: VU059144.D

Acq: 05 Jun 2024 09:33

Instrument :

MSVOA\_U

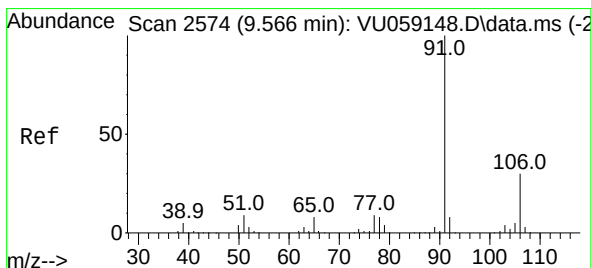
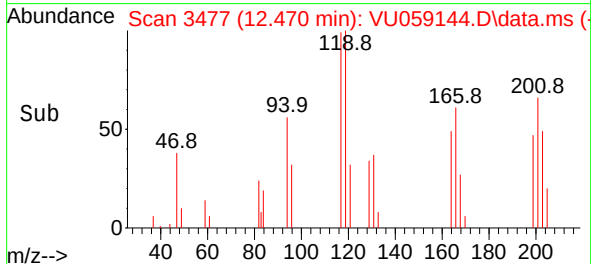
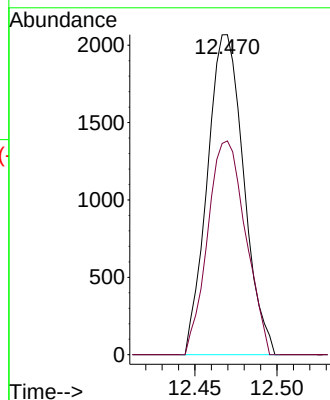
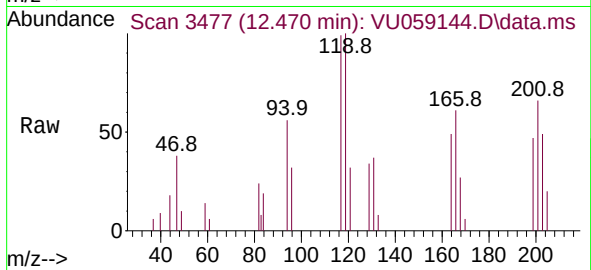
ClientSampleId :

Tgt Ion:117 Resp: 3189

Ion Ratio Lower Upper

117 100

201 69.5 55.8 83.8



#63

Ethyl Benzene

Concen: 0.410 ug/l

RT: 9.566 min Scan# 2574

Delta R.T. 0.000 min

Lab File: VU059144.D

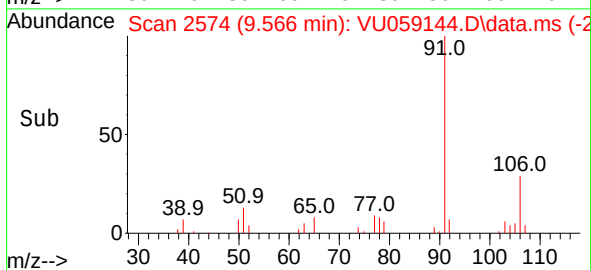
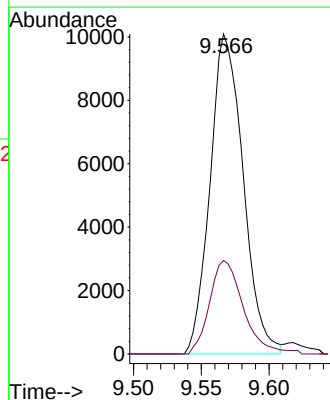
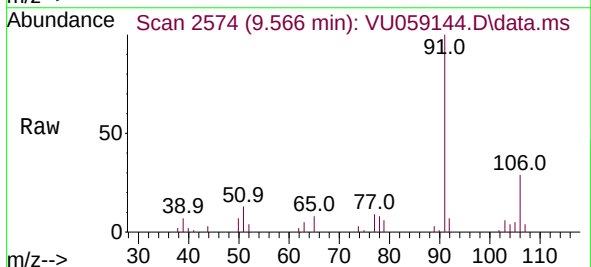
Acq: 05 Jun 2024 09:33

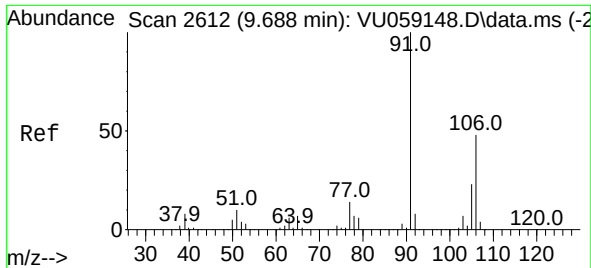
Tgt Ion: 91 Resp: 17119

Ion Ratio Lower Upper

91 100

106 29.2 23.9 35.9

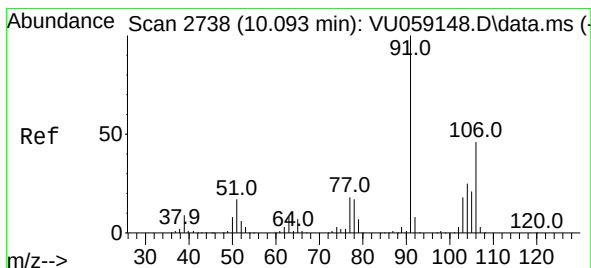
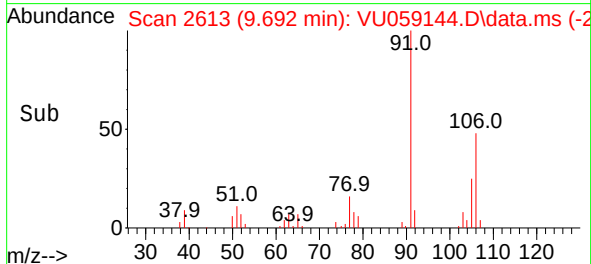
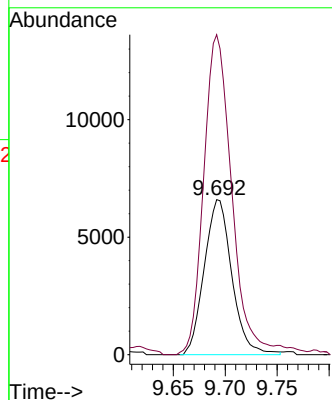
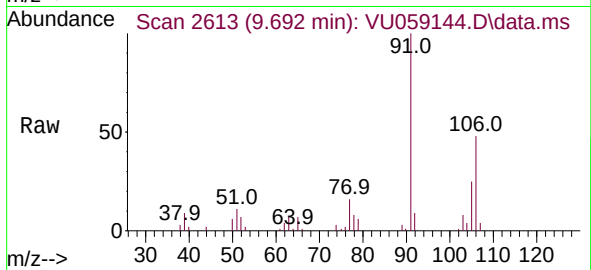




#64  
m/p-Xylenes  
Concen: 0.777 ug/l  
RT: 9.692 min Scan# 2613  
Delta R.T. 0.003 min  
Lab File: VU059144.D  
Acq: 05 Jun 2024 09:33

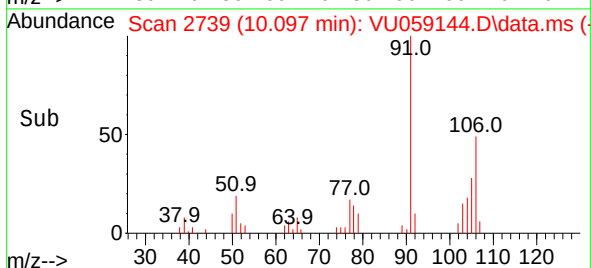
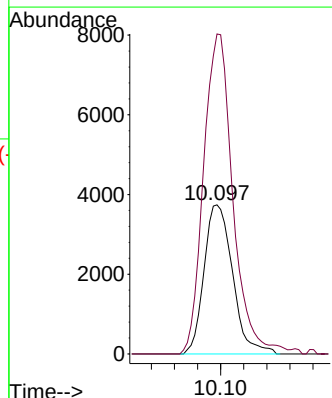
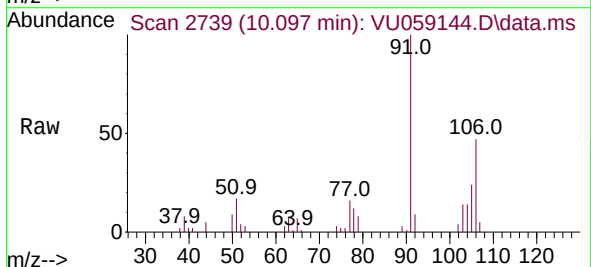
Instrument :  
MSVOA\_U  
ClientSampleId :

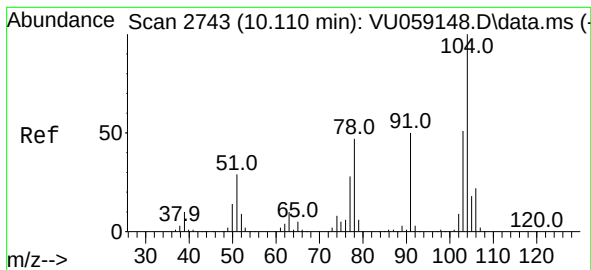
Tgt Ion:106 Resp: 12188  
Ion Ratio Lower Upper  
106 100  
91 207.4 166.4 249.6



#65  
o-Xylene  
Concen: 0.415 ug/l  
RT: 10.097 min Scan# 2739  
Delta R.T. 0.003 min  
Lab File: VU059144.D  
Acq: 05 Jun 2024 09:33

Tgt Ion:106 Resp: 6421  
Ion Ratio Lower Upper  
106 100  
91 221.2 110.7 332.1





#66

Styrene

Concen: 0.700 ug/l

RT: 10.116 min Scan# 21

Delta R.T. 0.007 min

Lab File: VU059144.D

Acq: 05 Jun 2024 09:33

Instrument :

MSVOA\_U

ClientSampleId :

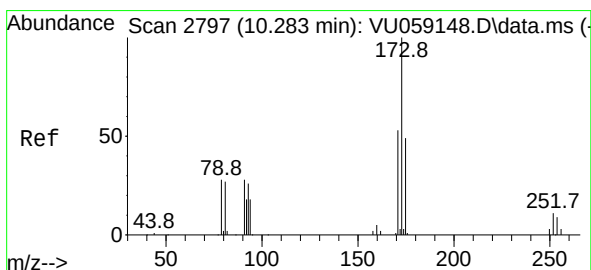
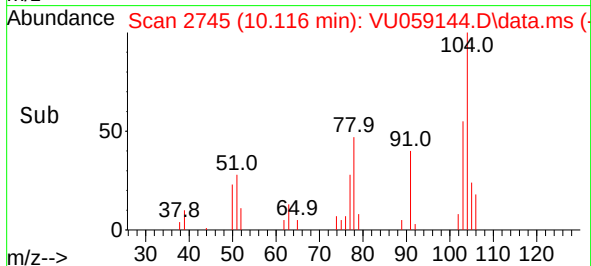
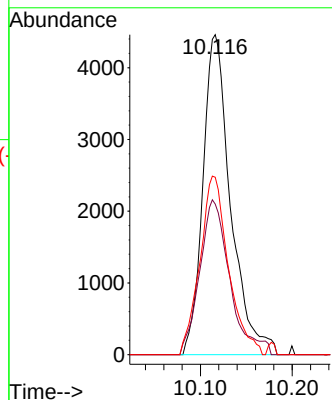
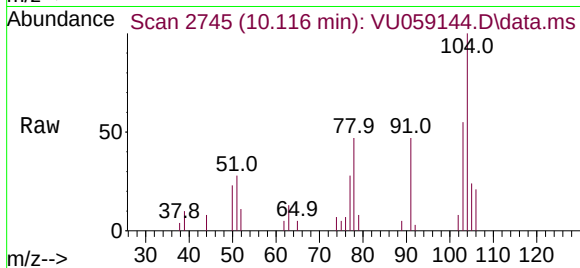
Tgt Ion:104 Resp: 9385

Ion Ratio Lower Upper

104 100

78 52.4 41.6 62.4

103 57.4 44.6 66.8



#67

Bromoform

Concen: 0.567 ug/l

RT: 10.287 min Scan# 2798

Delta R.T. 0.003 min

Lab File: VU059144.D

Acq: 05 Jun 2024 09:33

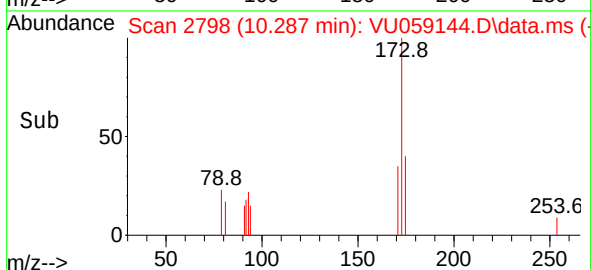
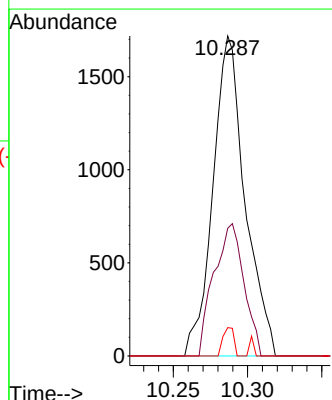
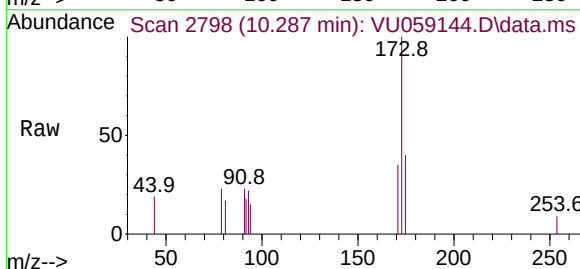
Tgt Ion:173 Resp: 2579

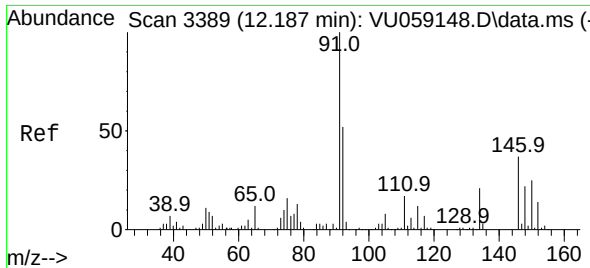
Ion Ratio Lower Upper

173 100

175 38.7 40.1 60.1#

254 3.0 7.0 10.4#

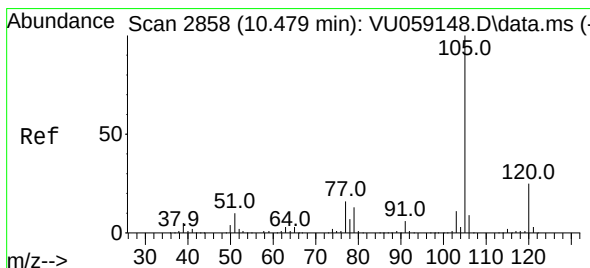
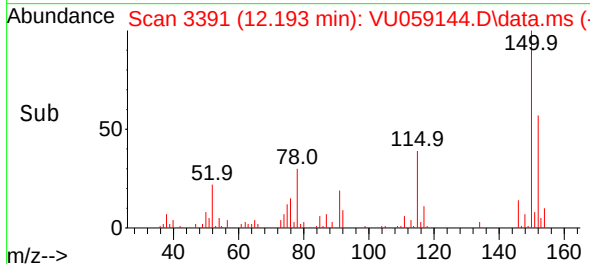
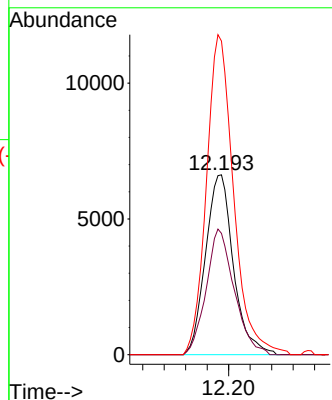
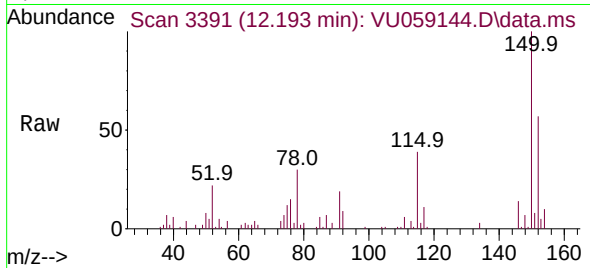




#68  
 1,2-Dichlorobenzene-d4  
 Concen: 0.942 ug/l  
 RT: 12.193 min Scan# 3389  
 Delta R.T. 0.007 min  
 Lab File: VU059144.D  
 Acq: 05 Jun 2024 09:33

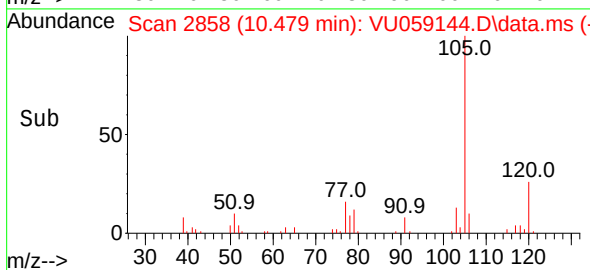
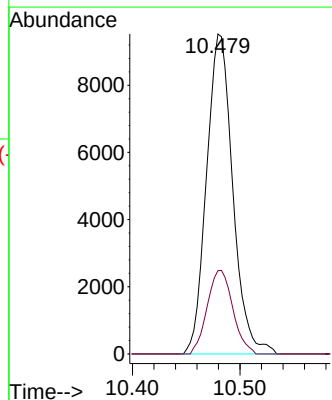
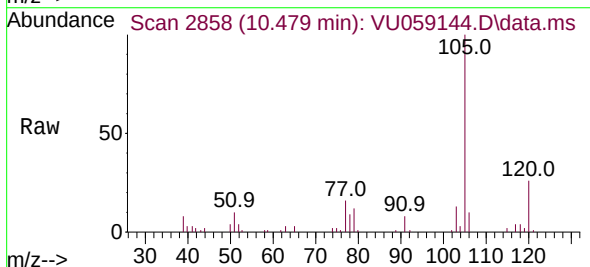
Instrument :  
 MSVOA\_U  
 ClientSampleId :

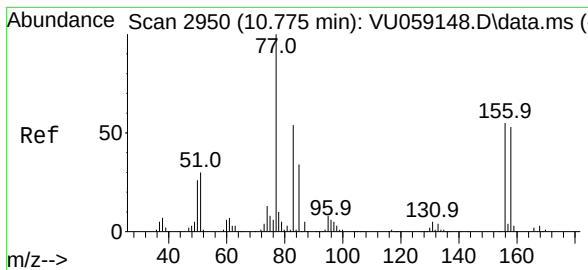
Tgt Ion:152 Resp: 11934  
 Ion Ratio Lower Upper  
 152 100  
 115 70.1 0.0 293.2  
 150 173.5 0.0 636.0



#69  
 Isopropylbenzene  
 Concen: 0.407 ug/l  
 RT: 10.479 min Scan# 2858  
 Delta R.T. 0.000 min  
 Lab File: VU059144.D  
 Acq: 05 Jun 2024 09:33

Tgt Ion:105 Resp: 16124  
 Ion Ratio Lower Upper  
 105 100  
 120 25.5 12.7 38.0

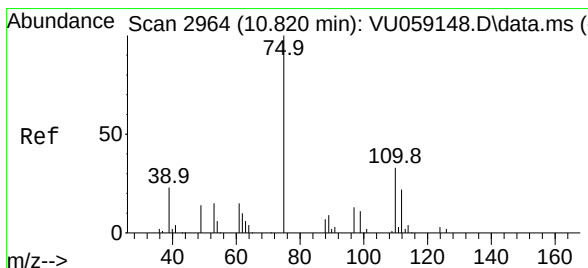
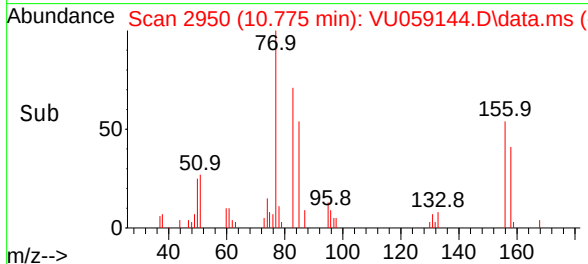
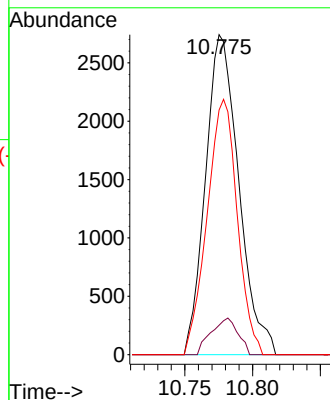
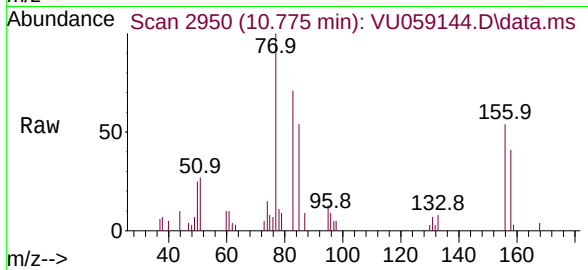




#70  
1,1,2,2-Tetrachloroethane  
Concen: 0.479 ug/l  
RT: 10.775 min Scan# 2950  
Delta R.T. 0.000 min  
Lab File: VU059144.D  
Acq: 05 Jun 2024 09:33

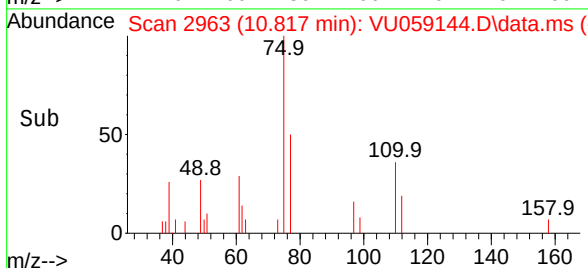
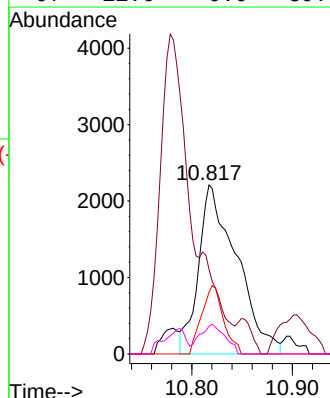
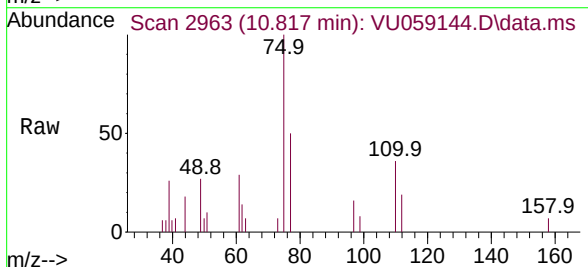
Instrument :  
MSVOA\_U  
ClientSampleId :

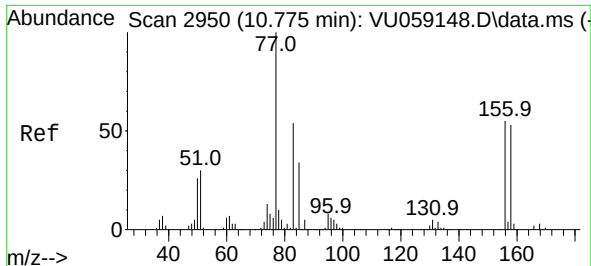
Tgt Ion: 83 Resp: 4673  
Ion Ratio Lower Upper  
83 100  
131 9.2 6.6 10.0  
85 72.3 50.1 75.1



#71  
1,2,3-Trichloropropane  
Concen: 0.803 ug/l  
RT: 10.817 min Scan# 2963  
Delta R.T. -0.003 min  
Lab File: VU059144.D  
Acq: 05 Jun 2024 09:33

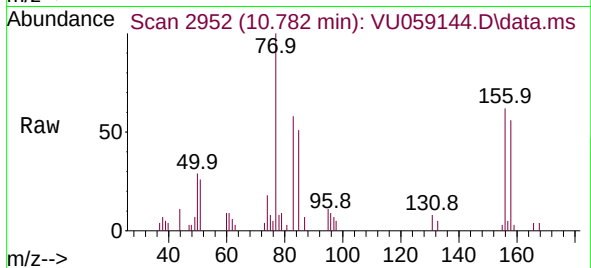
Tgt Ion: 75 Resp: 5831  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0  
110 22.9 0.0 68.4  
97 11.6 0.0 39.6



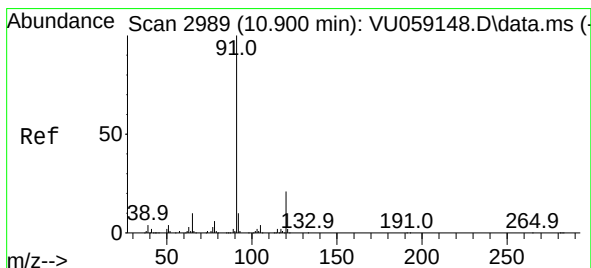
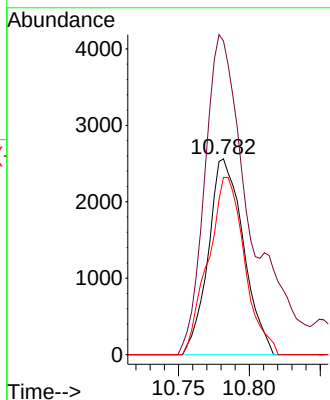
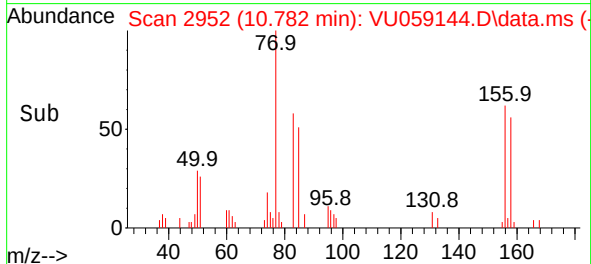


#72  
Bromobenzene  
Concen: 0.465 ug/l  
RT: 10.782 min Scan# 2952  
Delta R.T. 0.007 min  
Lab File: VU059144.D  
Acq: 05 Jun 2024 09:33

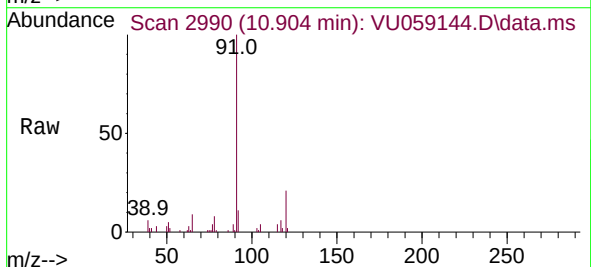
Instrument :  
MSVOA\_U  
ClientSampleId :



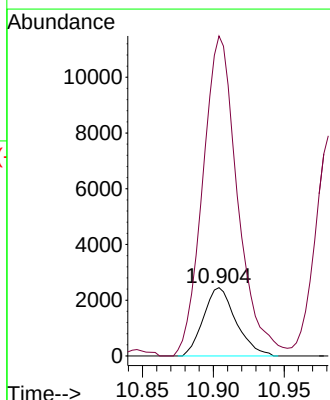
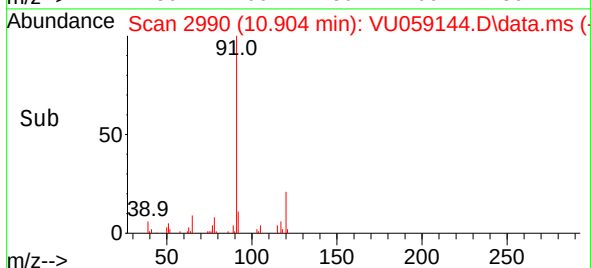
Tgt Ion:156 Resp: 4416  
Ion Ratio Lower Upper  
156 100  
77 211.8 0.0 359.6  
158 93.9 0.0 192.2

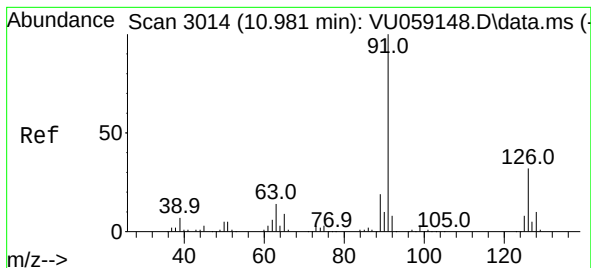


#73  
n-propylbenzene  
Concen: 0.668 ug/l  
RT: 10.904 min Scan# 2990  
Delta R.T. 0.003 min  
Lab File: VU059144.D  
Acq: 05 Jun 2024 09:33



Tgt Ion:120 Resp: 3911  
Ion Ratio Lower Upper  
120 100  
91 502.4 378.6 567.8





#74

2-Chlorotoluene

Concen: 0.440 ug/l

RT: 10.988 min Scan# 3016

Delta R.T. 0.007 min

Lab File: VU059144.D

Acq: 05 Jun 2024 09:33

Instrument :

MSVOA\_U

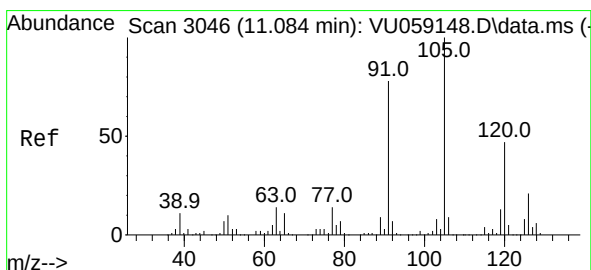
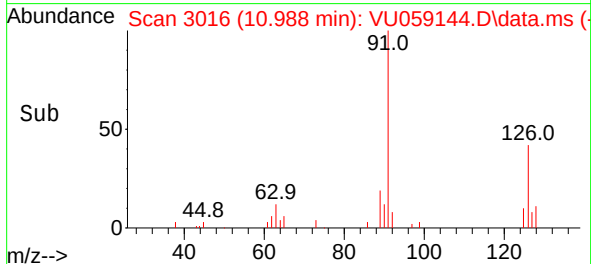
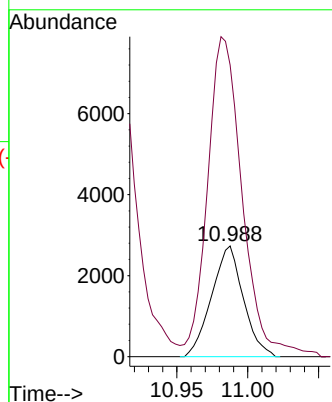
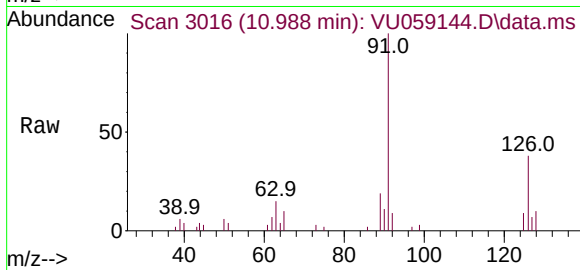
ClientSampleId :

Tgt Ion:126 Resp: 4258

Ion Ratio Lower Upper

126 100

91 315.9 0.0 627.0



#75

1,3,5-Trimethylbenzene

Concen: 0.687 ug/l

RT: 11.084 min Scan# 3046

Delta R.T. 0.000 min

Lab File: VU059144.D

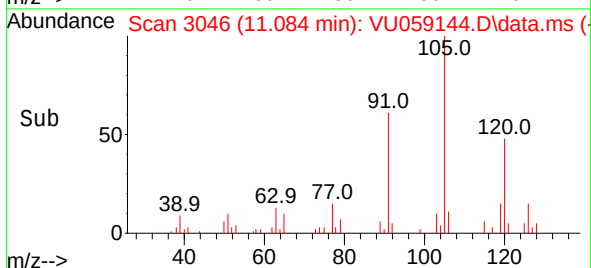
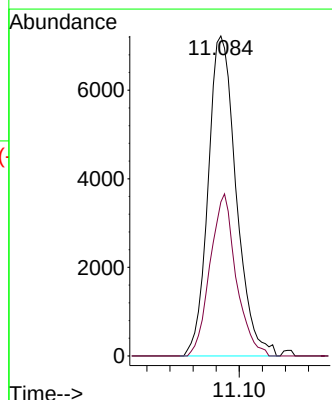
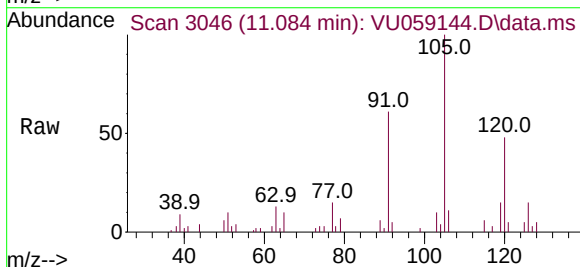
Acq: 05 Jun 2024 09:33

Tgt Ion:105 Resp: 12184

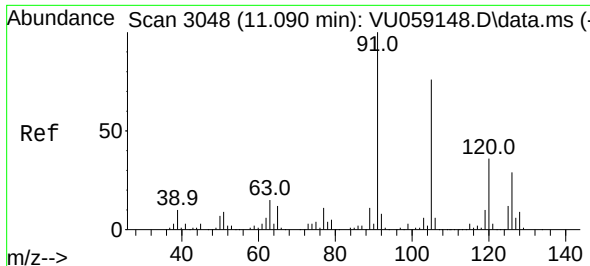
Ion Ratio Lower Upper

105 100

120 47.0 37.5 56.3



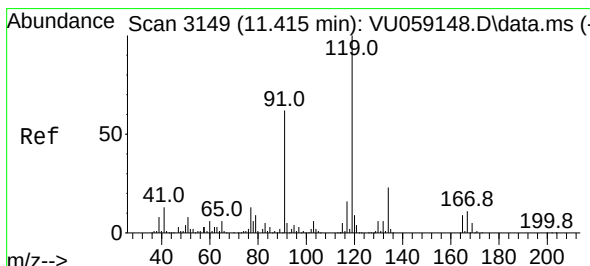
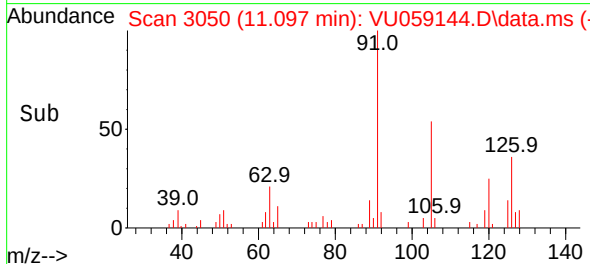
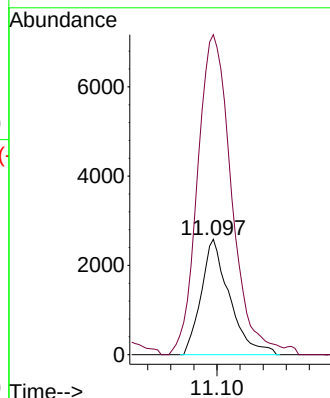
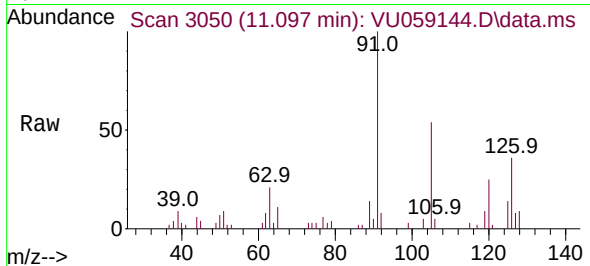




#76  
4-Chlorotoluene  
Concen: 0.436 ug/l  
RT: 11.097 min Scan# 3048  
Delta R.T. 0.007 min  
Lab File: VU059144.D  
Acq: 05 Jun 2024 09:33

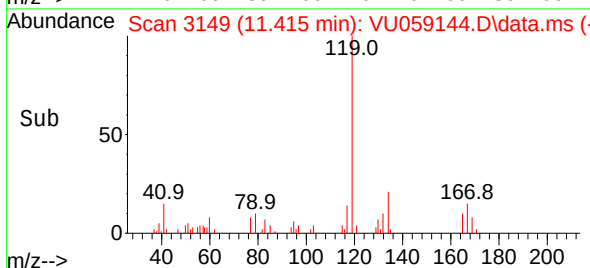
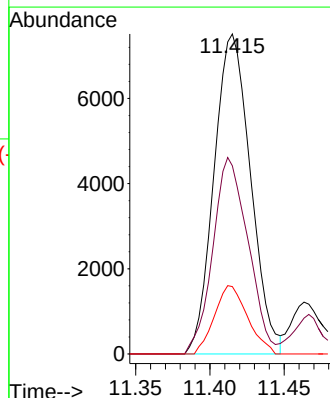
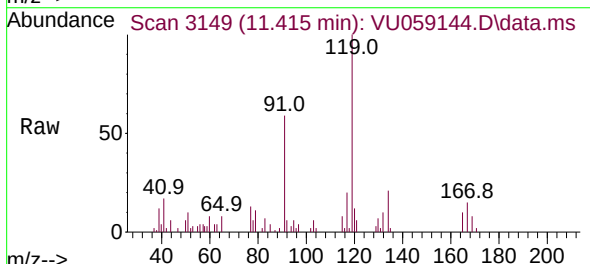
Instrument :  
MSVOA\_U  
ClientSampleId :

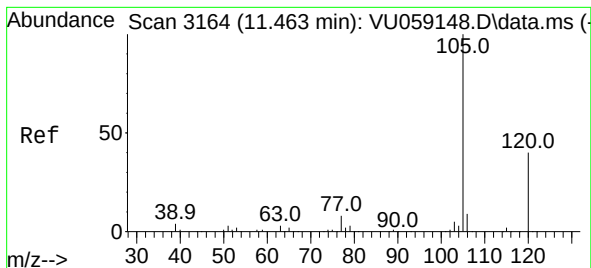
Tgt Ion:126 Resp: 4414  
Ion Ratio Lower Upper  
126 100  
91 330.8 0.0 704.4



#77  
tert-Butylbenzene  
Concen: 0.404 ug/l  
RT: 11.415 min Scan# 3149  
Delta R.T. 0.000 min  
Lab File: VU059144.D  
Acq: 05 Jun 2024 09:33

Tgt Ion:119 Resp: 12866  
Ion Ratio Lower Upper  
119 100  
91 59.1 30.7 92.1  
134 19.4 17.7 26.5





#78

1,2,4-Trimethylbenzene

Concen: 0.686 ug/l

RT: 11.467 min Scan# 3165

Delta R.T. 0.003 min

Lab File: VU059144.D

Acq: 05 Jun 2024 09:33

Instrument :

MSVOA\_U

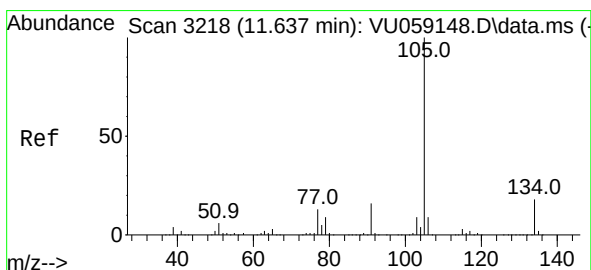
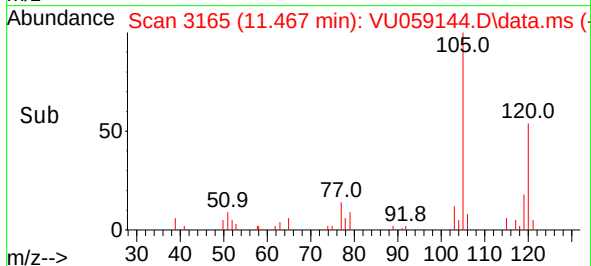
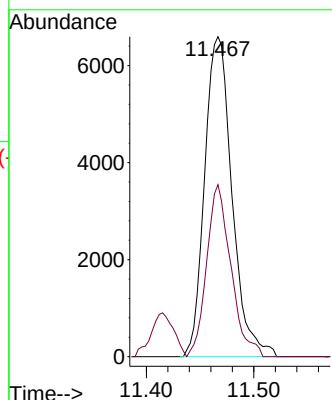
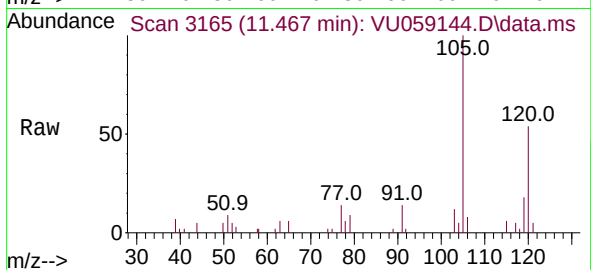
ClientSampleId :

Tgt Ion:105 Resp: 11670

Ion Ratio Lower Upper

105 100

120 47.6 21.7 65.1



#79

sec-Butylbenzene

Concen: 0.671 ug/l

RT: 11.640 min Scan# 3219

Delta R.T. 0.003 min

Lab File: VU059144.D

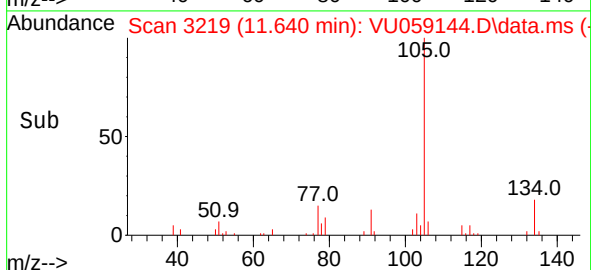
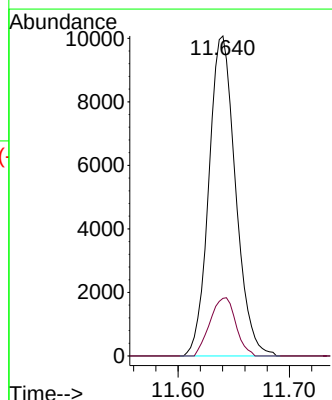
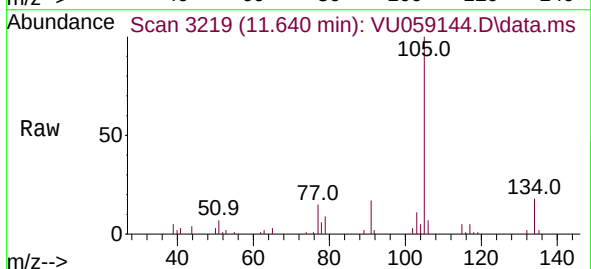
Acq: 05 Jun 2024 09:33

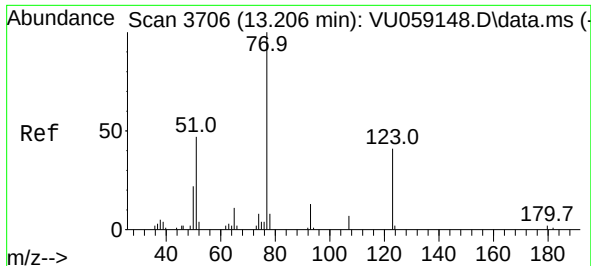
Tgt Ion:105 Resp: 16766

Ion Ratio Lower Upper

105 100

134 17.6 14.5 21.7





#80

Nitrobenzene

Concen: 3.563 ug/l

RT: 13.232 min Scan# 3714

Delta R.T. 0.026 min

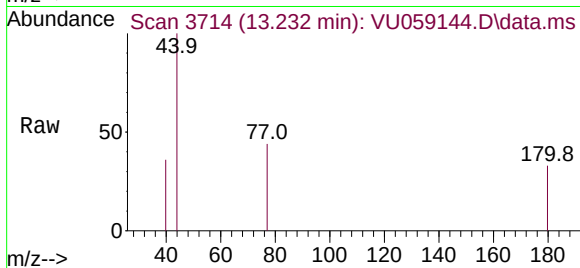
Lab File: VU059144.D

Acq: 05 Jun 2024 09:33

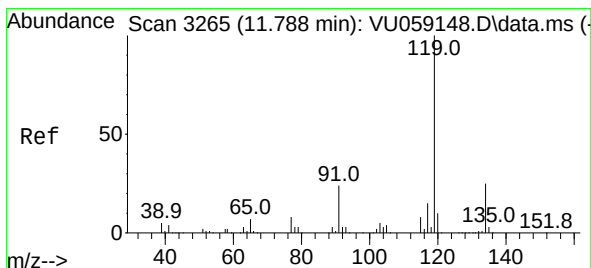
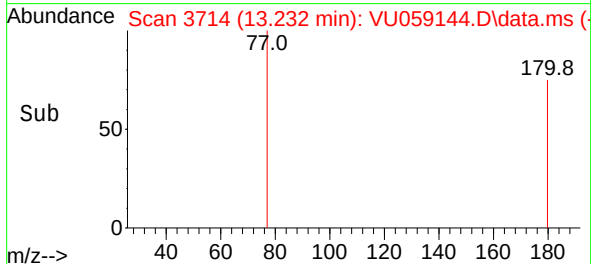
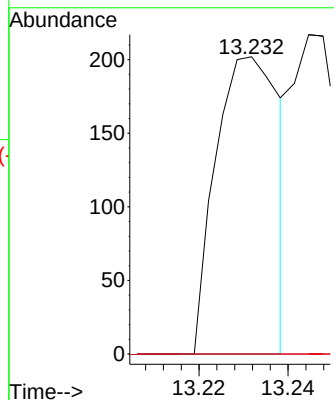
Instrument :

MSVOA\_U

ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 77    | Resp: | 199   |
| Ion      | Ratio | Lower | Upper |
| 77       | 100   |       |       |
| 123      | 0.0   | 18.3  | 64.7# |
| 65       | 0.0   | 10.6  | 13.4# |



#81

p-Isopropyltoluene

Concen: 0.706 ug/l

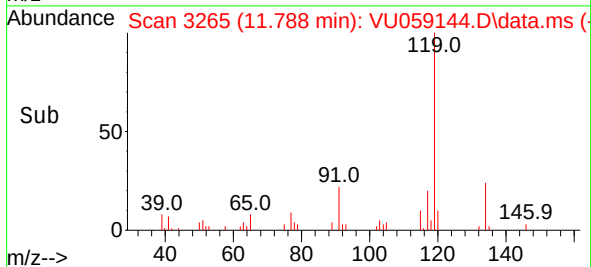
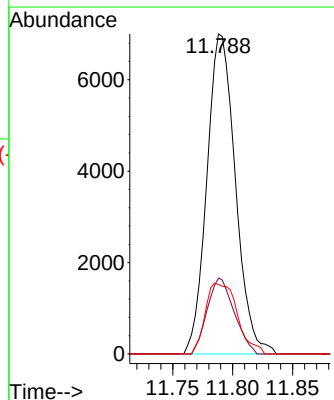
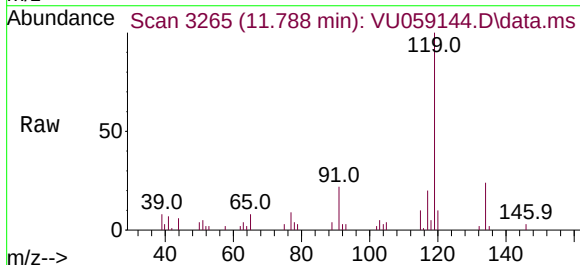
RT: 11.788 min Scan# 3265

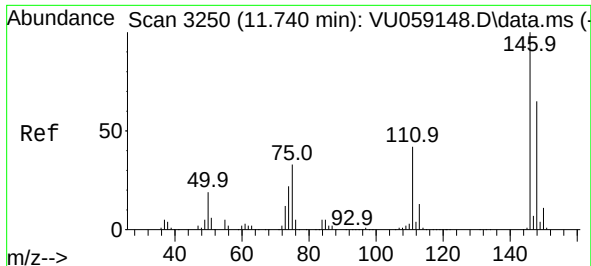
Delta R.T. 0.000 min

Lab File: VU059144.D

Acq: 05 Jun 2024 09:33

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 119   | Resp: | 11595 |
| Ion      | Ratio | Lower | Upper |
| 119      | 100   |       |       |
| 134      | 22.5  | 20.2  | 30.4  |
| 91       | 24.6  | 19.3  | 28.9  |





#82

1,3-Dichlorobenzene

Concen: 0.470 ug/l

RT: 11.746 min Scan# 31

Delta R.T. 0.007 min

Lab File: VU059144.D

Acq: 05 Jun 2024 09:33

Instrument :

MSVOA\_U

ClientSampleId :

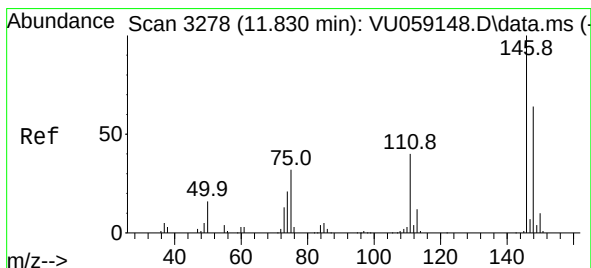
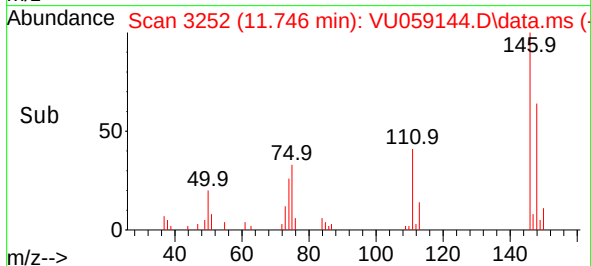
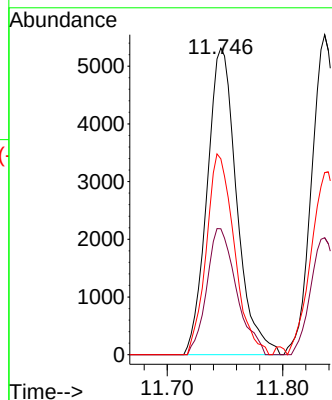
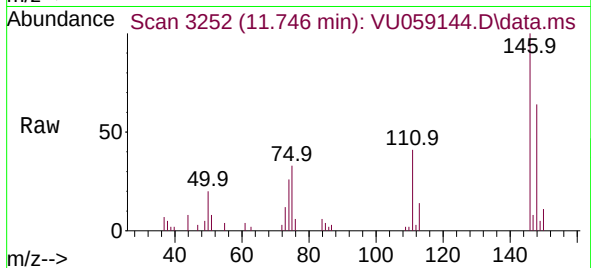
Tgt Ion:146 Resp: 9462

Ion Ratio Lower Upper

146 100

111 41.2 33.4 50.0

148 62.0 51.2 76.8



#83

1,4-Dichlorobenzene

Concen: 0.474 ug/l

RT: 11.836 min Scan# 3280

Delta R.T. 0.007 min

Lab File: VU059144.D

Acq: 05 Jun 2024 09:33

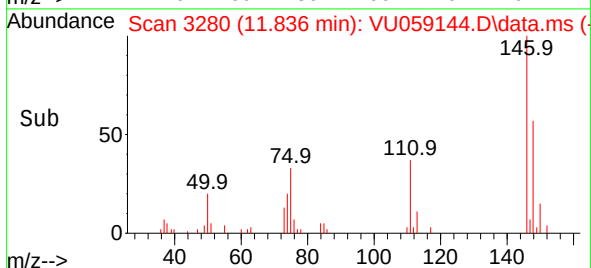
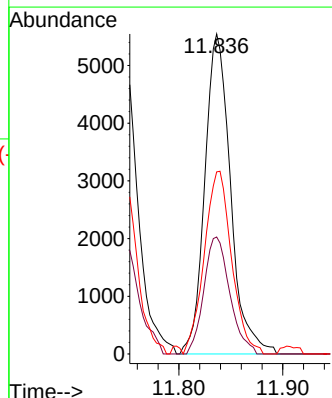
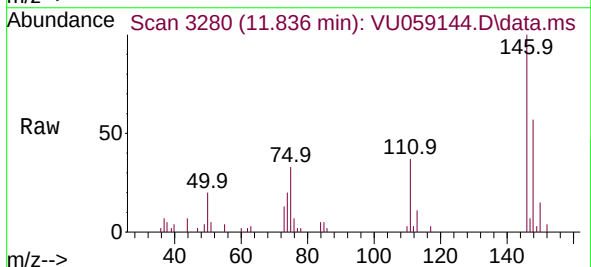
Tgt Ion:146 Resp: 9552

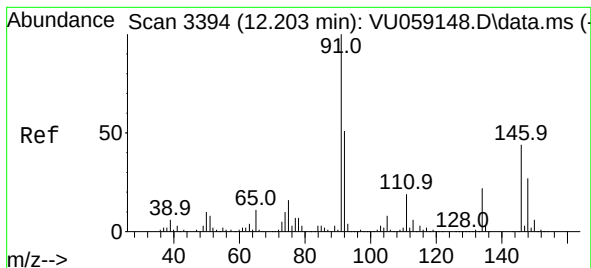
Ion Ratio Lower Upper

146 100

111 36.8 32.1 48.1

148 60.7 51.2 76.8





#84

n-Butylbenzene

Concen: 0.713 ug/l

RT: 12.206 min Scan# 3395

Delta R.T. 0.003 min

Lab File: VU059144.D

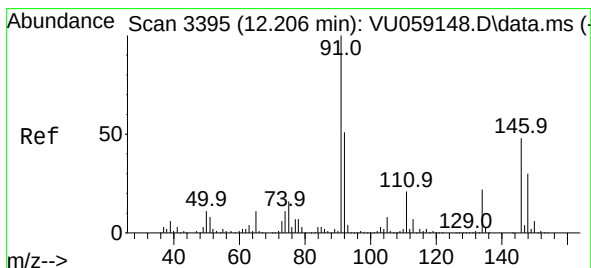
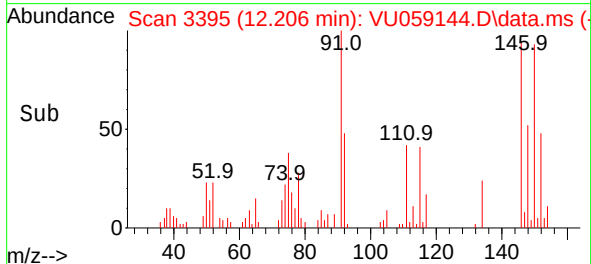
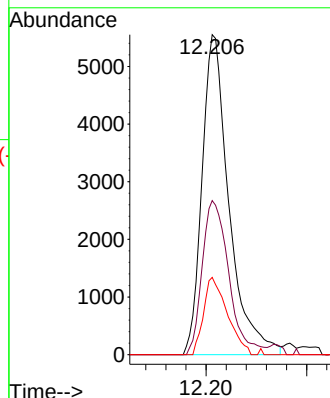
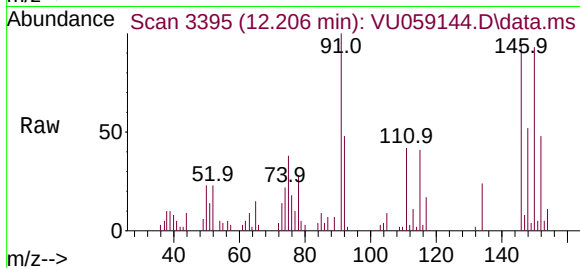
Acq: 05 Jun 2024 09:33

Instrument :

MSVOA\_U

ClientSampleId :

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 91 | Resp: | 10316     |
| Ion Ratio   | Lower | Upper     |
| 91          | 100   |           |
| 92          | 47.7  | 40.7 61.1 |
| 134         | 21.2  | 17.6 26.4 |



#85

1,2-Dichlorobenzene

Concen: 0.486 ug/l

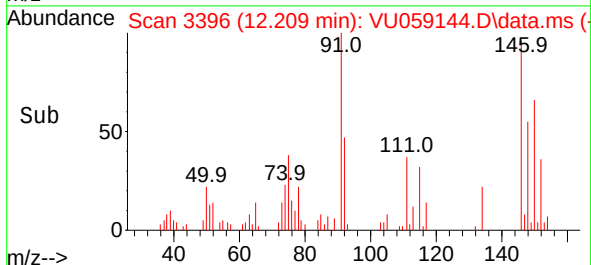
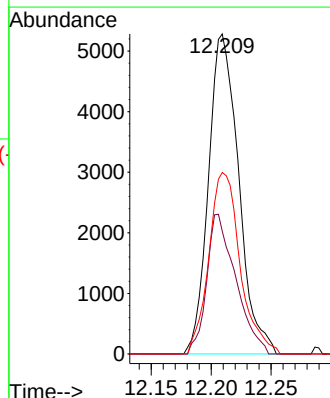
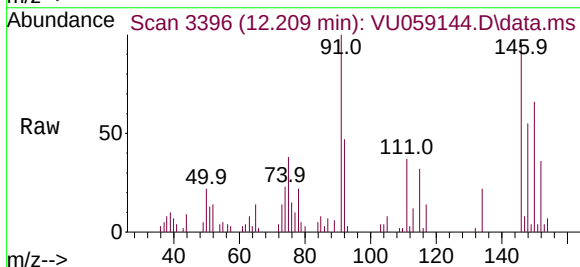
RT: 12.209 min Scan# 3396

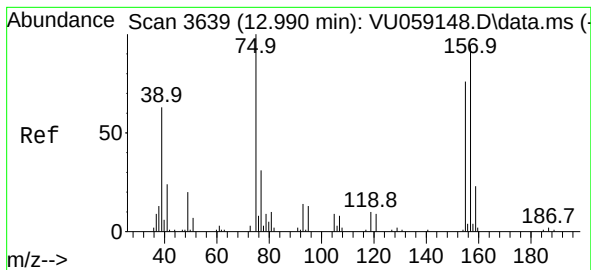
Delta R.T. 0.003 min

Lab File: VU059144.D

Acq: 05 Jun 2024 09:33

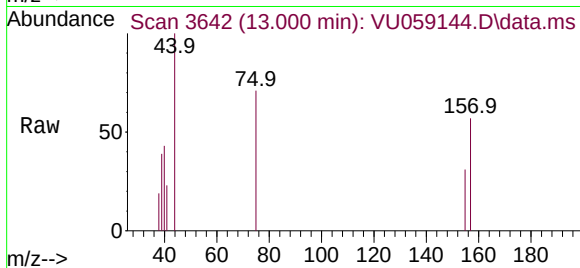
|              |       |           |
|--------------|-------|-----------|
| Tgt Ion: 146 | Resp: | 9235      |
| Ion Ratio    | Lower | Upper     |
| 146          | 100   |           |
| 111          | 42.0  | 21.8 65.3 |
| 148          | 58.9  | 31.3 93.9 |



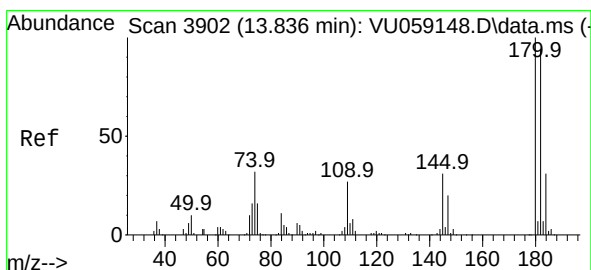
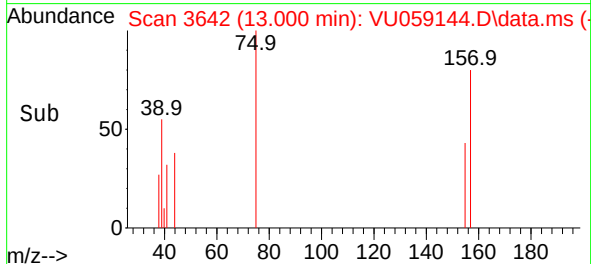
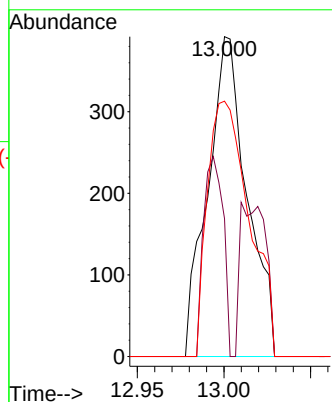


#86  
1,2-Dibromo-3-Chloropropane  
Concen: 0.465 ug/l  
RT: 13.000 min Scan# 3642  
Delta R.T. 0.010 min  
Lab File: VU059144.D  
Acq: 05 Jun 2024 09:33

Instrument :  
MSVOA\_U  
ClientSampleId :

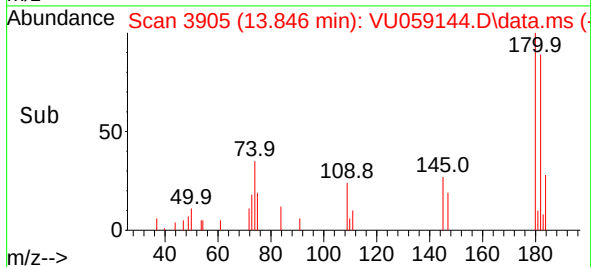
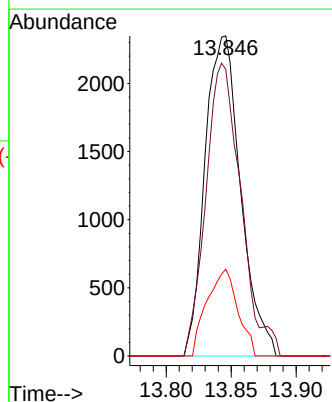
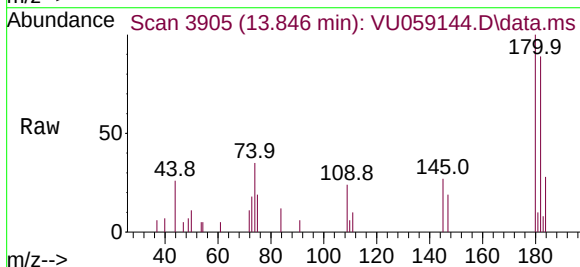


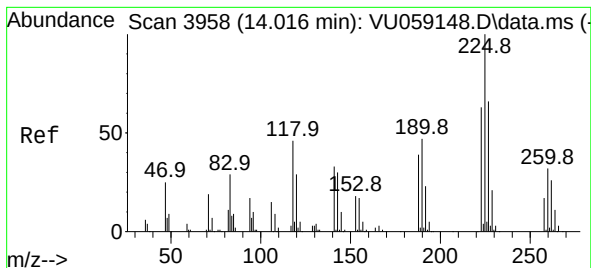
Tgt Ion: 75 Resp: 618  
Ion Ratio Lower Upper  
75 100  
155 31.1 61.2 91.8#  
157 85.0 75.8 113.6



#87  
1,2,4-Trichlorobenzene  
Concen: 0.439 ug/l  
RT: 13.846 min Scan# 3905  
Delta R.T. 0.010 min  
Lab File: VU059144.D  
Acq: 05 Jun 2024 09:33

Tgt Ion: 180 Resp: 4467  
Ion Ratio Lower Upper  
180 100  
182 90.3 75.7 113.5  
145 23.5 24.6 36.8#





#88

Hexachlorobutadiene

Concen: 0.493 ug/l

RT: 14.016 min Scan# 3958

Delta R.T. 0.000 min

Lab File: VU059144.D

Acq: 05 Jun 2024 09:33

Instrument :

MSVOA\_U

ClientSampleId :

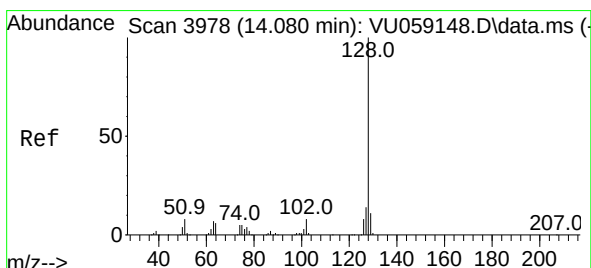
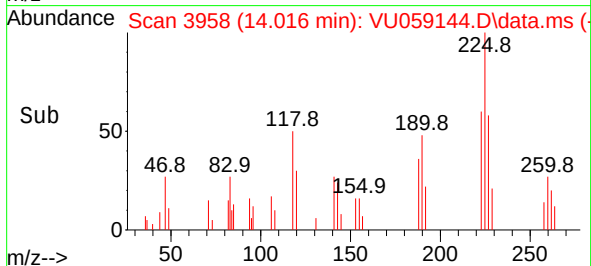
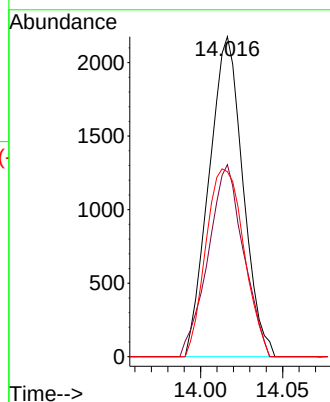
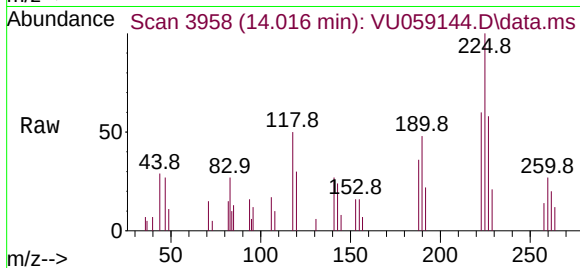
Tgt Ion:225 Resp: 3129

Ion Ratio Lower Upper

225 100

223 62.4 50.0 75.0

227 65.5 51.8 77.8



#89

Naphthalene

Concen: 0.402 ug/l

RT: 14.090 min Scan# 3981

Delta R.T. 0.010 min

Lab File: VU059144.D

Acq: 05 Jun 2024 09:33

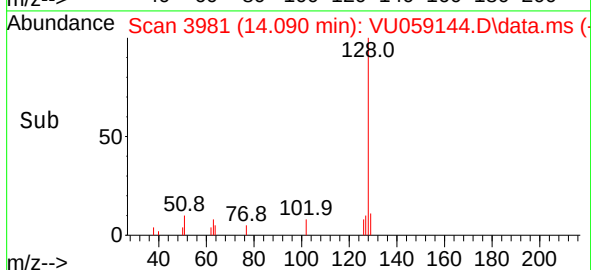
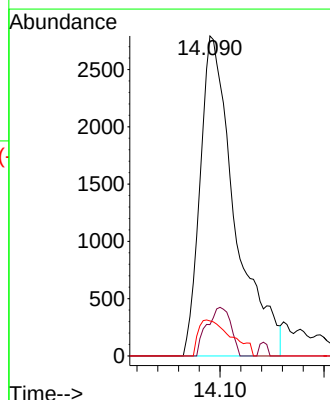
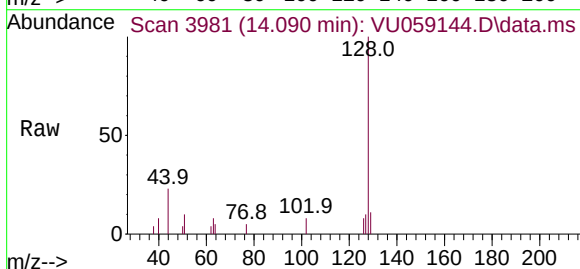
Tgt Ion:128 Resp: 6470

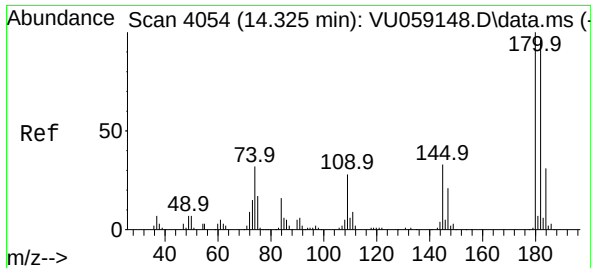
Ion Ratio Lower Upper

128 100

127 10.4 10.7 16.1#

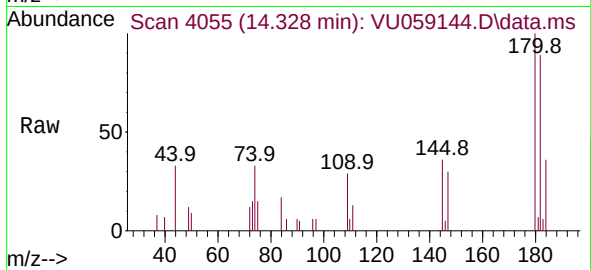
129 10.6 8.4 12.6





#90  
 1,2,3-Trichlorobenzene  
 Concen: 0.429 ug/l  
 RT: 14.328 min Scan# 4054  
 Delta R.T. 0.003 min  
 Lab File: VU059144.D  
 Acq: 05 Jun 2024 09:33

Instrument :  
 MSVOA\_U  
 ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 3969  |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 90.5  | 76.3  | 114.5 |
| 145      | 33.2  | 26.5  | 39.7  |

