

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU111121\  
 Data File : VU045752.D  
 Acq On : 11 Nov 2021 20:28  
 Operator : SY/MD  
 Sample : M4594-09MS 100X  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 56BR-20211108MS

Quant Time: Nov 12 06:13:46 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U110521W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 05 13:35:16 2021  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.375  | 168  | 95459    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.250  | 114  | 171309   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.420  | 117  | 168564   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 11.816 | 152  | 90180    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |             |      |
|-----------------------------|--------|-------|----------|----------|-------------|------|
| System Monitoring Compounds |        |       |          |          |             |      |
| 33) 1,2-Dichloroethane-d4   | 5.703  | 65    | 90875    | 63.566   | ug/l        | 0.00 |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | = 127.140%# |      |
| 35) Dibromofluoromethane    | 5.292  | 113   | 70603    | 61.730   | ug/l        | 0.00 |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 123.460%  |      |
| 50) Toluene-d8              | 7.899  | 98    | 256975   | 60.422   | ug/l        | 0.00 |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | = 120.840%# |      |
| 62) 4-Bromofluorobenzene    | 10.636 | 95    | 100434   | 58.891   | ug/l        | 0.00 |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | = 117.780%  |      |

|                              |       |     |        |         |        |     |
|------------------------------|-------|-----|--------|---------|--------|-----|
| Target Compounds             |       |     |        |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.385 | 85  | 59042  | 47.704  | ug/l   | 97  |
| 3) Chloromethane             | 1.520 | 50  | 66544  | 46.990  | ug/l   | 99  |
| 4) Vinyl Chloride            | 1.604 | 62  | 72632  | 52.652  | ug/l   | 98  |
| 5) Bromomethane              | 1.842 | 94  | 42837  | 55.674  | ug/l   | 98  |
| 6) Chloroethane              | 1.925 | 64  | 43874  | 48.735  | ug/l   | 97  |
| 7) Trichlorofluoromethane    | 2.134 | 101 | 93311  | 51.153  | ug/l   | 100 |
| 8) Diethyl Ether             | 2.376 | 74  | 37799  | 52.347  | ug/l   | 98  |
| 9) 1,1,2-Trichlorotrifluo... | 2.578 | 101 | 53509  | 50.235  | ug/l   | 98  |
| 10) Methyl Iodide            | 2.723 | 142 | 54551  | 39.135  | ug/l   | 92  |
| 11) Tert butyl alcohol       | 3.179 | 59  | 87991  | 310.960 | ug/l   | 99  |
| 12) 1,1-Dichloroethene       | 2.578 | 96  | 52061  | 49.572  | ug/l   | 96  |
| 13) Acrolein                 | 2.485 | 56  | 12160  | 296.547 | ug/l   | 96  |
| 14) Allyl chloride           | 2.922 | 41  | 95973  | 51.179  | ug/l   | 98  |
| 15) Acrylonitrile            | 3.311 | 53  | 216478 | 286.541 | ug/l   | 100 |
| 16) Acetone                  | 2.626 | 43  | 173188 | 237.980 | ug/l   | 98  |
| 17) Carbon Disulfide         | 2.793 | 76  | 131538 | 44.716  | ug/l   | 100 |
| 18) Methyl Acetate           | 2.948 | 43  | 140756 | 56.786  | ug/l   | 99  |
| 19) Methyl tert-butyl Ether  | 3.366 | 73  | 205267 | 54.298  | ug/l   | 99  |
| 20) Methylene Chloride       | 3.048 | 84  | 69312  | 54.813  | ug/l   | 99  |
| 21) trans-1,2-Dichloroethene | 3.353 | 96  | 56396  | 51.617  | ug/l   | 99  |
| 22) Diisopropyl ether        | 3.993 | 45  | 207239 | 56.283  | ug/l   | 100 |
| 23) Vinyl Acetate            | 3.957 | 43  | 802097 | 283.235 | ug/l   | 100 |
| 24) 1,1-Dichloroethane       | 3.871 | 63  | 120081 | 54.727  | ug/l   | 98  |
| 25) 2-Butanone               | 4.700 | 43  | 283624 | 280.997 | ug/l   | 100 |
| 26) 2,2-Dichloropropane      | 4.668 | 77  | 84259  | 46.342  | ug/l   | 98  |
| 27) cis-1,2-Dichloroethene   | 4.668 | 96  | 94111  | 73.337  | ug/l   | 97  |
| 28) Bromochloromethane       | 4.977 | 49  | 57898  | 55.349  | ug/l   | 97  |
| 29) Tetrahydrofuran          | 5.051 | 42  | 179292 | 290.398 | ug/l   | 100 |
| 30) Chloroform               | 5.089 | 83  | 119037 | 54.855  | ug/l   | 98  |
| 31) Cyclohexane              | 5.388 | 56  | 97529  | 46.755  | ug/l   | 100 |
| 32) 1,1,1-Trichloroethane    | 5.318 | 97  | 100860 | 54.503  | ug/l   | 97  |
| 36) 1,1-Dichloropropene      | 5.530 | 75  | 80334  | 48.093  | ug/l   | 98  |
| 37) Ethyl Acetate            | 4.803 | 43  | 105706 | 55.090  | ug/l   | 97  |
| 38) Carbon Tetrachloride     | 5.527 | 117 | 84611  | 50.243  | ug/l   | 99  |
| 39) Methylcyclohexane        | 6.764 | 83  | 95149  | 46.431  | ug/l   | 98  |
| 40) Benzene                  | 5.777 | 78  | 250035 | 50.559  | ug/l   | 98  |

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 Sample : M4594-09MS 100X  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 56BR-20211108MS

Quant Time: Nov 12 06:13:46 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U110521W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 05 13:35:16 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 4.973  | 41   | 56822    | 56.036   | ug/l   | 99       |
| 42) 1,2-Dichloroethane        | 5.797  | 62   | 95977    | 53.729   | ug/l   | 100      |
| 43) Isopropyl Acetate         | 5.912  | 43   | 157676   | 53.725   | ug/l   | 100      |
| 44) Trichloroethene           | 6.546  | 130  | 195358   | 165.029  | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 6.793  | 63   | 70077    | 53.553   | ug/l   | 98       |
| 46) Dibromomethane            | 6.919  | 93   | 48476    | 53.465   | ug/l   | 100      |
| 47) Bromodichloromethane      | 7.108  | 83   | 95289    | 55.389   | ug/l   | 97       |
| 48) Methyl methacrylate       | 6.961  | 41   | 73199    | 54.188   | ug/l   | 96       |
| 49) 1,4-Dioxane               | 6.964  | 88   | 40479    | 1165.234 | ug/l # | 96       |
| 51) 4-Methyl-2-Pentanone      | 7.793  | 43   | 553204   | 285.743  | ug/l   | 99       |
| 52) Toluene                   | 7.970  | 92   | 159435   | 52.659   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.211  | 75   | 99593    | 50.371   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 7.610  | 75   | 109811   | 52.289   | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane     | 8.404  | 97   | 69390    | 55.298   | ug/l   | 98       |
| 56) Ethyl methacrylate        | 8.333  | 69   | 107016   | 47.666   | ug/l   | 97       |
| 57) 1,3-Dichloropropane       | 8.578  | 76   | 120540   | 53.334   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 7.465  | 63   | 264384   | 228.856  | ug/l   | 99       |
| 59) 2-Hexanone                | 8.684  | 43   | 420026   | 249.354  | ug/l   | 99       |
| 60) Dibromochloromethane      | 8.813  | 129  | 72710    | 55.646   | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 8.925  | 107  | 70943    | 52.713   | ug/l   | 98       |
| 64) Tetrachloroethene         | 8.555  | 164  | 52186    | 53.940   | ug/l   | 96       |
| 65) Chlorobenzene             | 9.449  | 112  | 162178   | 48.981   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 9.536  | 131  | 62425    | 52.863   | ug/l   | 98       |
| 67) Ethyl Benzene             | 9.571  | 91   | 296045   | 49.928   | ug/l   | 100      |
| 68) m/p-Xylenes               | 9.697  | 106  | 230956   | 103.281  | ug/l   | 99       |
| 69) o-Xylene                  | 10.102 | 106  | 113500   | 52.207   | ug/l   | 99       |
| 70) Styrene                   | 10.115 | 104  | 195265   | 53.091   | ug/l   | 99       |
| 71) Bromoform                 | 10.295 | 173  | 52824    | 47.431   | ug/l # | 100      |
| 73) Isopropylbenzene          | 10.488 | 105  | 298501   | 50.660   | ug/l   | 100      |
| 74) N-amyl acetate            | 10.321 | 43   | 134019   | 50.418   | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 10.784 | 83   | 119595   | 51.229   | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 10.825 | 75   | 129953   | 47.519   | ug/l   | 94       |
| 77) Bromobenzene              | 10.784 | 156  | 70258    | 49.111   | ug/l   | 97       |
| 78) n-propylbenzene           | 10.909 | 91   | 363324   | 49.543   | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 10.989 | 91   | 213529   | 49.283   | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 11.089 | 105  | 258863   | 50.283   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 10.549 | 75   | 32377    | 39.455   | ug/l   | 99       |
| 82) 4-Chlorotoluene           | 11.099 | 91   | 251595   | 49.514   | ug/l   | 100      |
| 83) tert-Butylbenzene         | 11.423 | 119  | 242839   | 49.484   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.468 | 105  | 258180   | 50.460   | ug/l   | 100      |
| 85) sec-Butylbenzene          | 11.645 | 105  | 322187   | 49.502   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 11.796 | 119  | 265388   | 48.795   | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 11.748 | 146  | 136454   | 47.273   | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 11.838 | 146  | 138169   | 47.328   | ug/l   | 100      |
| 89) n-Butylbenzene            | 12.211 | 91   | 243872   | 46.548   | ug/l   | 99       |
| 90) Hexachloroethane          | 12.478 | 117  | 43989    | 44.834   | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene       | 12.214 | 146  | 138449   | 49.300   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.999 | 75   | 27514    | 49.948   | ug/l   | 96       |
| 93) 1,2,4-Trichlorobenzene    | 13.841 | 180  | 87936    | 45.287   | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 14.025 | 225  | 35758    | 42.662   | ug/l   | 100      |
| 95) Naphthalene               | 14.089 | 128  | 336115   | 46.126   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 14.330 | 180  | 93585    | 48.523   | ug/l   | 100      |

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Sample : M4594-09MS 100X  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 26 Sample Multiplier: 1

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Quant Title : SW846 8260  
QLast Update : Fri Nov 05 13:35:16 2021  
Response via : Initial Calibration

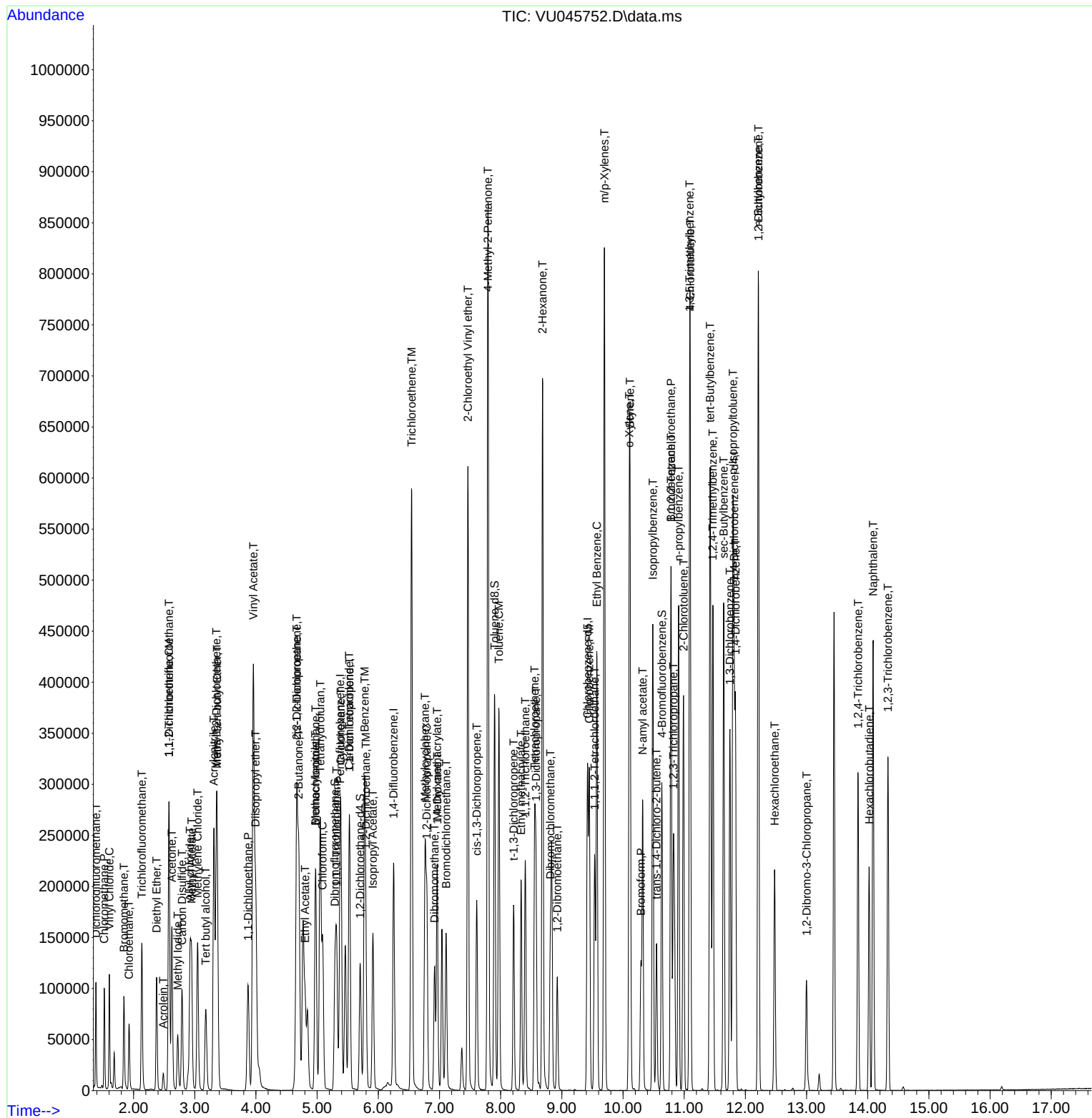
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

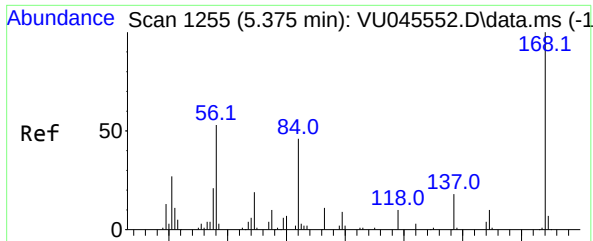
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 56BR-20211108MS

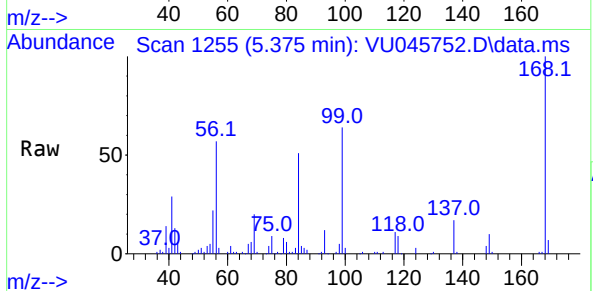
Quant Time: Nov 12 06:13:46 2021  
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 Quant Title : SW846 8260  
 QLast Update : Fri Nov 05 13:35:16 2021  
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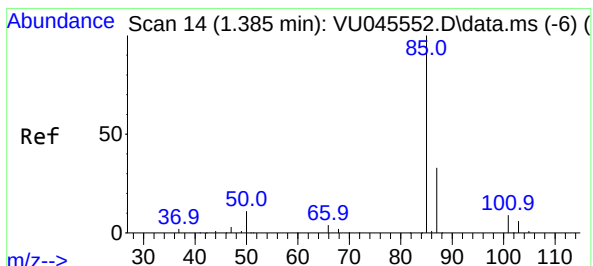
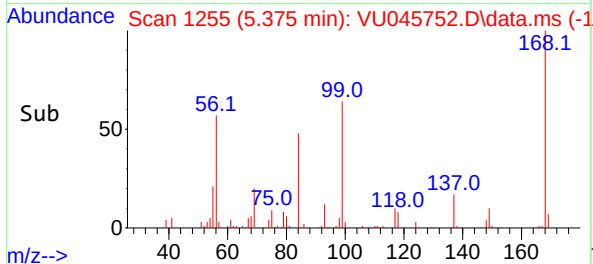
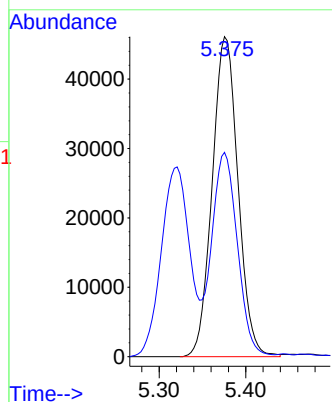


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.375 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VU045752.D  
Acq: 11 Nov 2021 20:28

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56BR-20211108MS

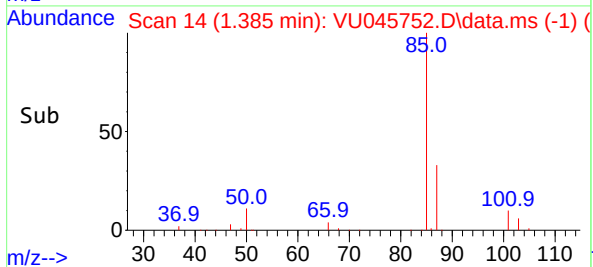
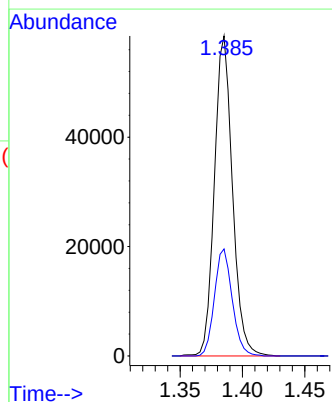
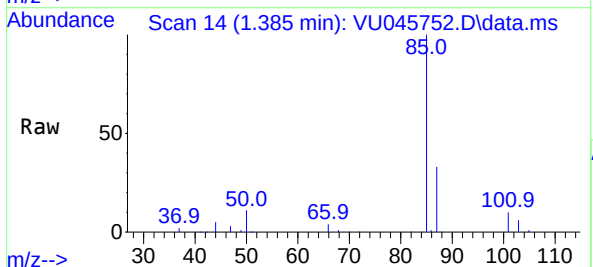


Tgt Ion:168 Resp: 95459  
Ion Ratio Lower Upper  
168 100  
99 63.0 51.0 76.6

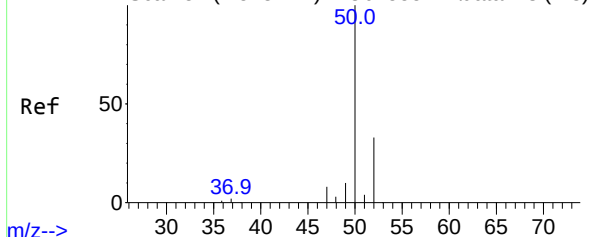


#2  
Dichlorodifluoromethane  
Concen: 47.704 ug/l  
RT: 1.385 min Scan# 14  
Delta R.T. 0.000 min  
Lab File: VU045752.D  
Acq: 11 Nov 2021 20:28

Tgt Ion: 85 Resp: 59042  
Ion Ratio Lower Upper  
85 100  
87 33.4 15.9 47.7



Abundance Scan 57 (1.523 min): VU045552.D\data.ms (-48)



#3

Chloromethane

Concen: 46.990 ug/l

RT: 1.520 min Scan# 50

Delta R.T. -0.003 min

Lab File: VU045752.D

Acq: 11 Nov 2021 20:28

Instrument :

MSVOA\_U

ClientSampleId :

56BR-20211108MS

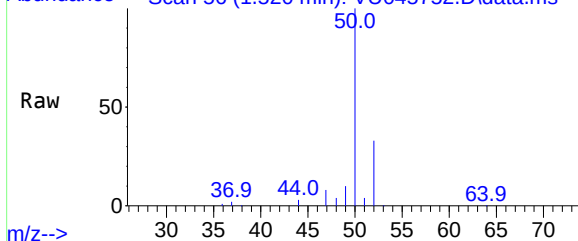
Tgt Ion: 50 Resp: 66544

Ion Ratio Lower Upper

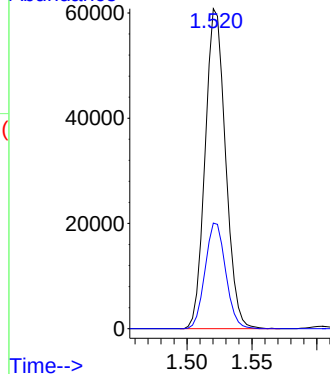
50 100

52 33.0 26.6 40.0

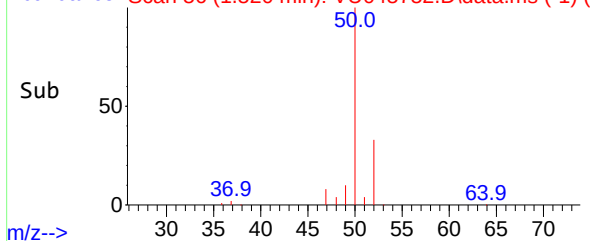
Abundance Scan 56 (1.520 min): VU045752.D\data.ms



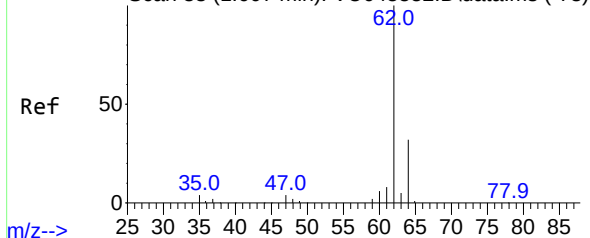
Abundance



Abundance Scan 56 (1.520 min): VU045752.D\data.ms (-1)



Abundance Scan 83 (1.607 min): VU045552.D\data.ms (-73)



#4

Vinyl Chloride

Concen: 52.652 ug/l

RT: 1.604 min Scan# 82

Delta R.T. -0.003 min

Lab File: VU045752.D

Acq: 11 Nov 2021 20:28

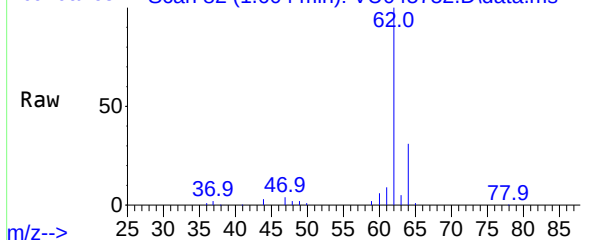
Tgt Ion: 62 Resp: 72632

Ion Ratio Lower Upper

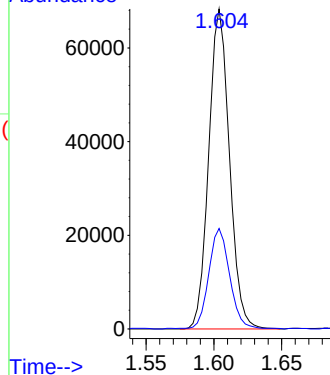
62 100

64 31.2 25.8 38.6

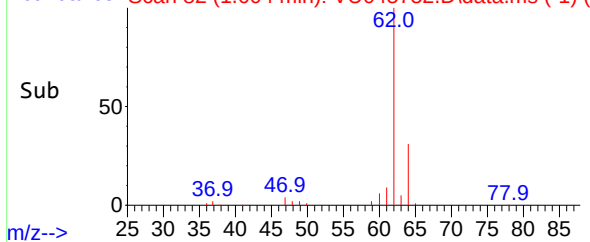
Abundance Scan 82 (1.604 min): VU045752.D\data.ms

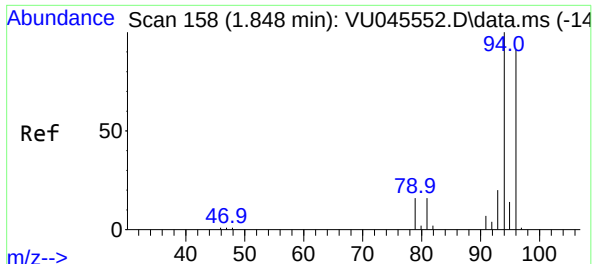


Abundance



Abundance Scan 82 (1.604 min): VU045752.D\data.ms (-1)

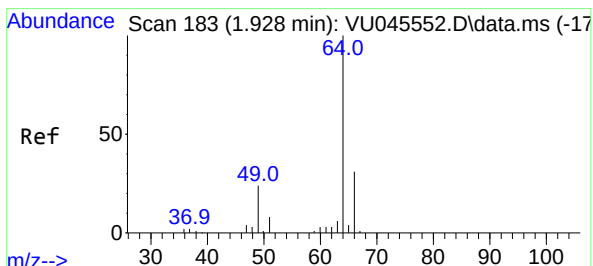
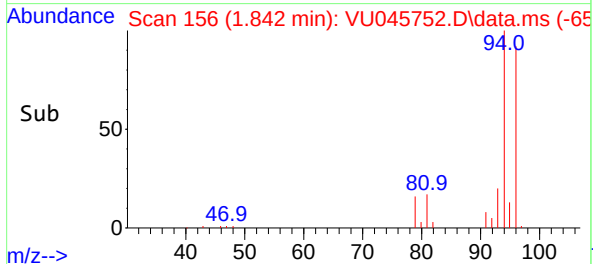
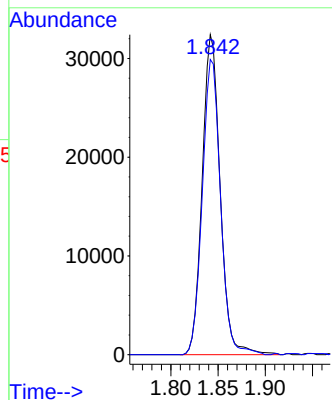
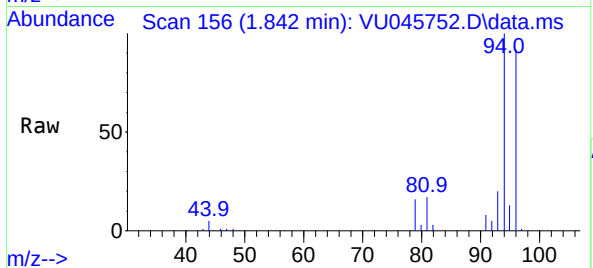




#5  
Bromomethane  
Concen: 55.674 ug/l  
RT: 1.842 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VU045752.D  
Acq: 11 Nov 2021 20:28

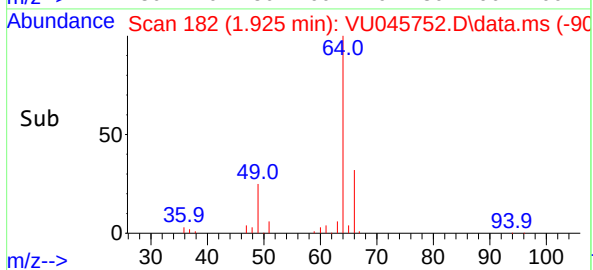
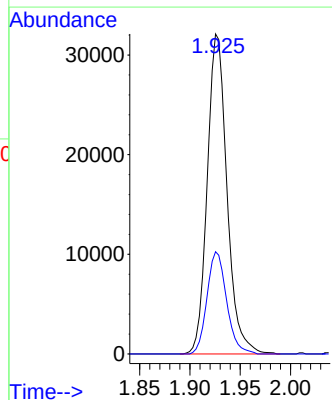
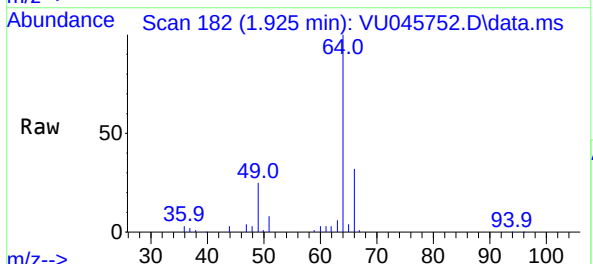
Instrument :  
MSVOA\_U  
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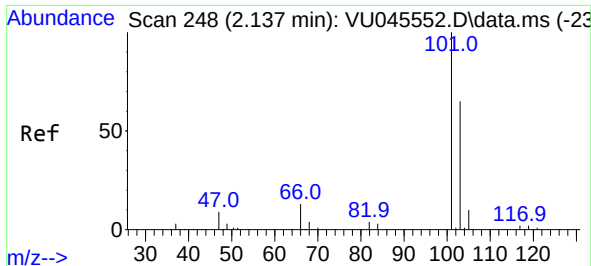
Tgt Ion: 94 Resp: 42837  
Ion Ratio Lower Upper  
94 100  
96 92.3 75.4 113.2



#6  
Chloroethane  
Concen: 48.735 ug/l  
RT: 1.925 min Scan# 182  
Delta R.T. -0.003 min  
Lab File: VU045752.D  
Acq: 11 Nov 2021 20:28

Tgt Ion: 64 Resp: 43874  
Ion Ratio Lower Upper  
64 100  
66 32.0 26.7 40.1

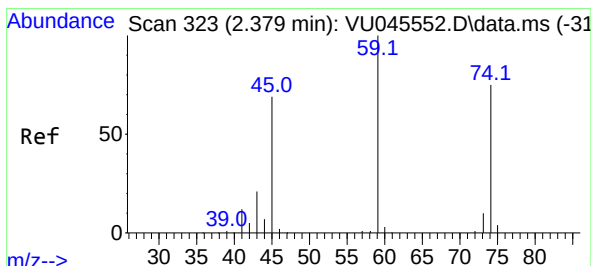
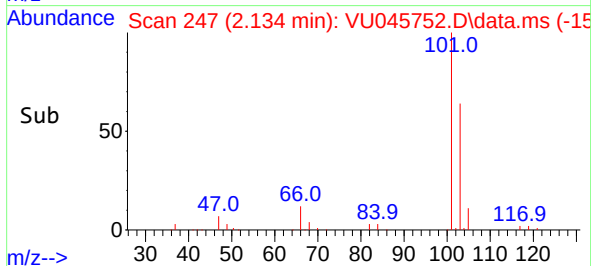
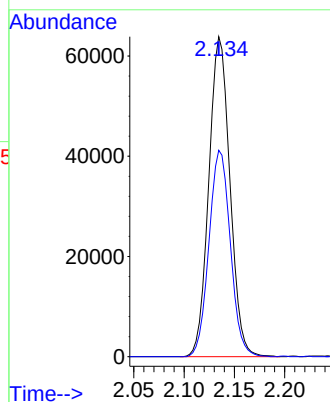
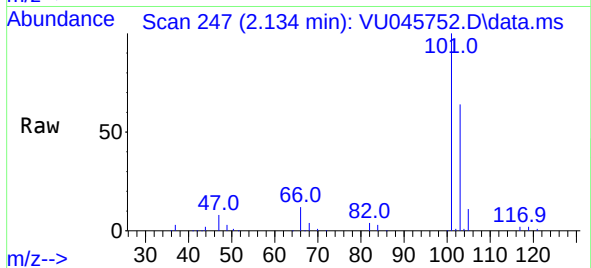




#7  
Trichlorofluoromethane  
Concen: 51.153 ug/l  
RT: 2.134 min Scan# 248  
Delta R.T. -0.003 min  
Lab File: VU045752.D  
Acq: 11 Nov 2021 20:28

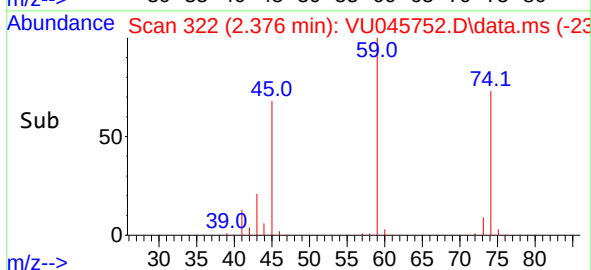
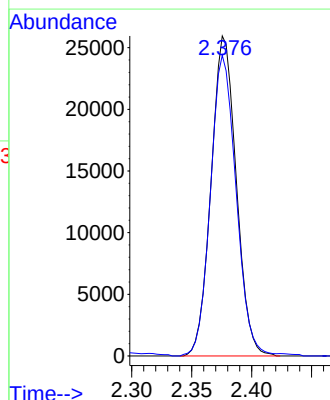
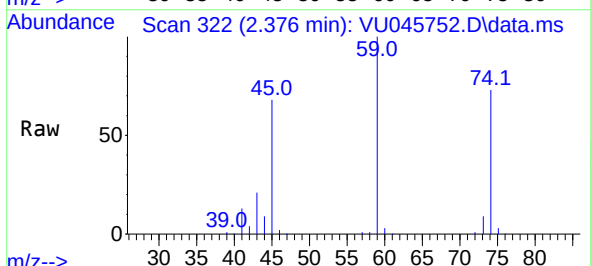
Instrument :  
MSVOA\_U  
ClientSampleId :  
56BR-20211108MS

Tgt Ion:101 Resp: 93311  
Ion Ratio Lower Upper  
101 100  
103 64.5 51.4 77.0



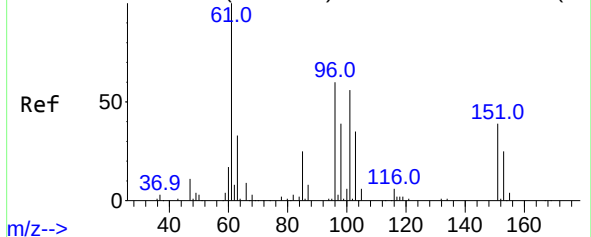
#8  
Diethyl Ether  
Concen: 52.347 ug/l  
RT: 2.376 min Scan# 322  
Delta R.T. -0.003 min  
Lab File: VU045752.D  
Acq: 11 Nov 2021 20:28

Tgt Ion: 74 Resp: 37799  
Ion Ratio Lower Upper  
74 100  
45 96.1 47.3 141.8



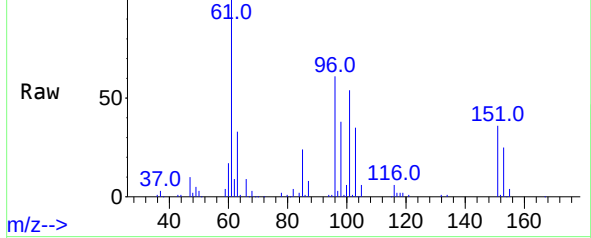


Abundance Scan 387 (2.584 min): VU045552.D\data.ms (-37



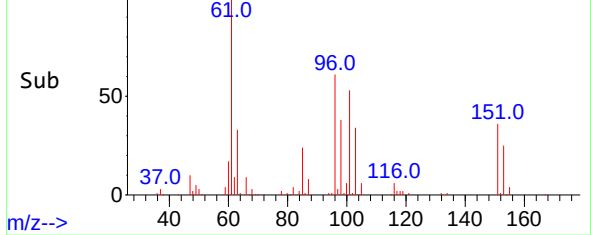
m/z-->

Abundance Scan 385 (2.578 min): VU045752.D\data.ms



m/z-->

Abundance Scan 385 (2.578 min): VU045752.D\data.ms (-29



m/z-->

#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.235 ug/l

RT: 2.578 min Scan# 385

Delta R.T. -0.006 min

Lab File: VU045752.D

Acq: 11 Nov 2021 20:28

Instrument :

MSVOA\_U

ClientSampleId :

56BR-20211108MS

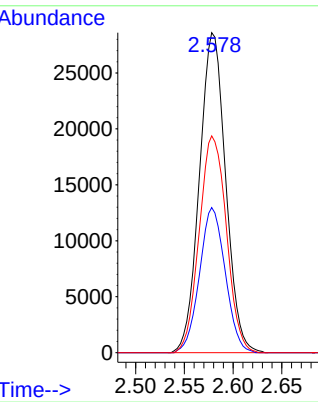
Tgt Ion:101 Resp: 53509

Ion Ratio Lower Upper

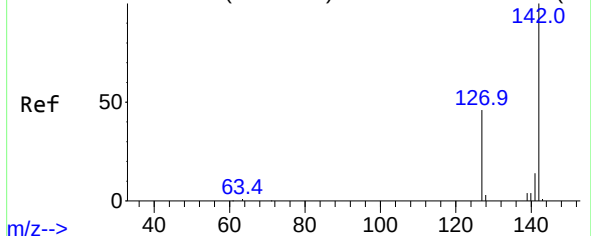
101 100

85 44.5 35.0 52.4

151 70.2 54.6 82.0

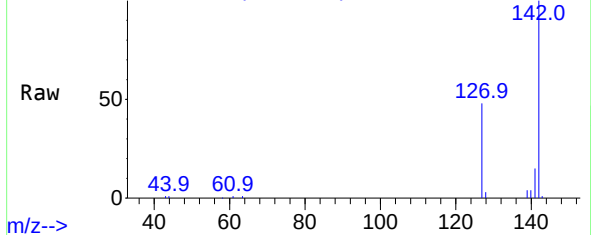


Abundance Scan 431 (2.726 min): VU045552.D\data.ms (-41



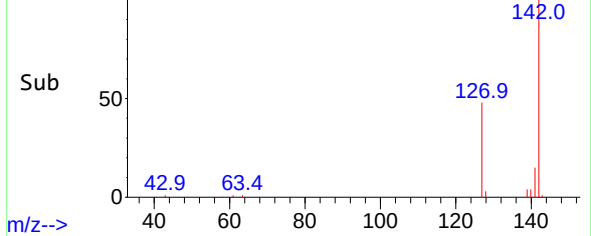
m/z-->

Abundance Scan 430 (2.723 min): VU045752.D\data.ms



m/z-->

Abundance Scan 430 (2.723 min): VU045752.D\data.ms (-33



m/z-->

#10

Methyl Iodide

Concen: 39.135 ug/l

RT: 2.723 min Scan# 430

Delta R.T. -0.003 min

Lab File: VU045752.D

Acq: 11 Nov 2021 20:28

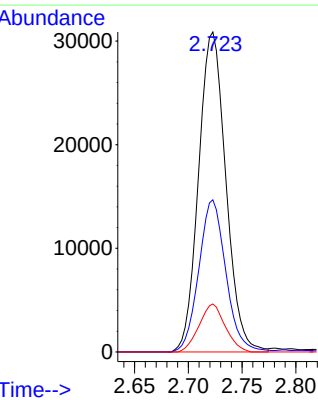
Tgt Ion:142 Resp: 54551

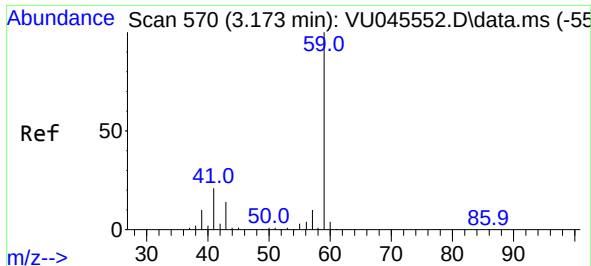
Ion Ratio Lower Upper

142 100

127 47.2 32.2 48.2

141 14.3 11.3 16.9

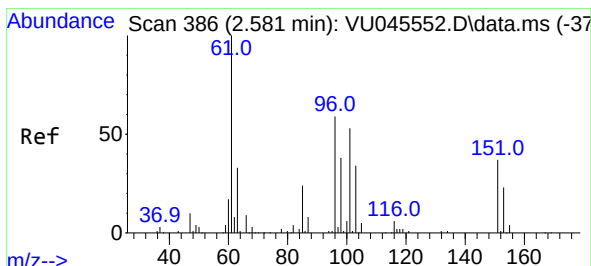
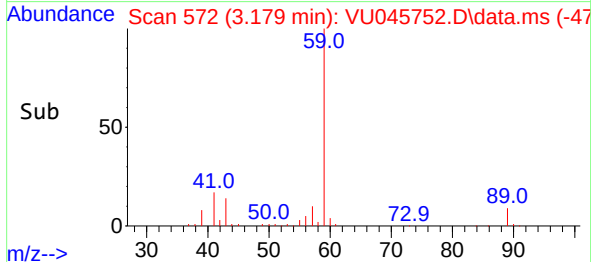
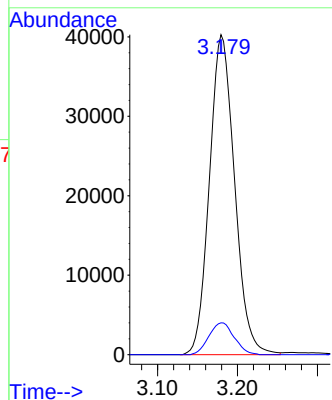
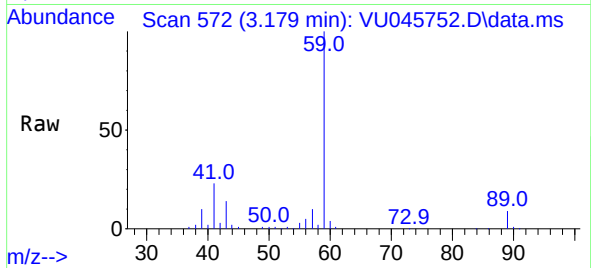




#11  
Tert butyl alcohol  
Concen: 310.960 ug/l  
RT: 3.179 min Scan# 51  
Delta R.T. 0.007 min  
Lab File: VU045752.D  
Acq: 11 Nov 2021 20:28

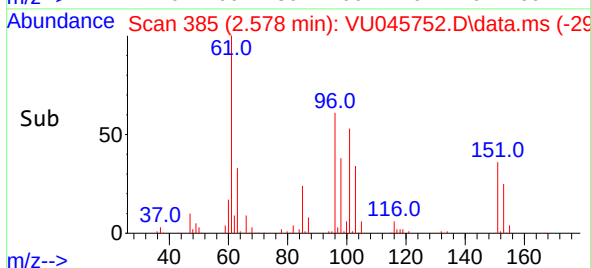
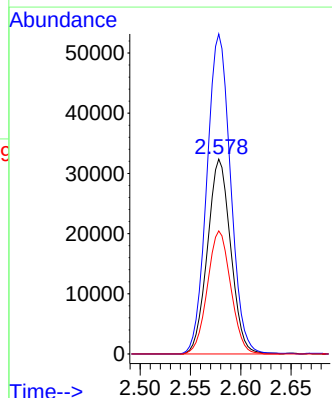
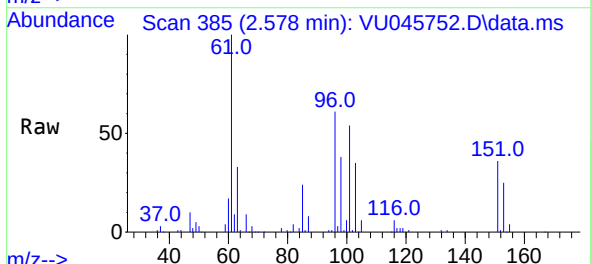
Instrument :  
MSVOA\_U  
ClientSampleId :  
56BR-20211108MS

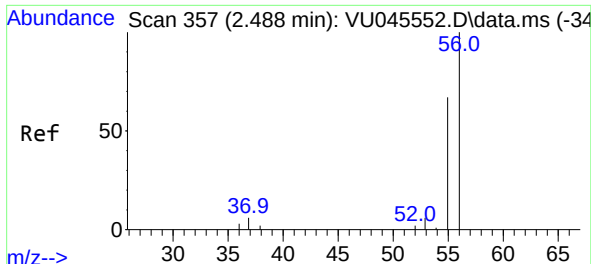
Tgt Ion: 59 Resp: 87991  
Ion Ratio Lower Upper  
59 100  
57 10.1 8.3 12.5



#12  
1,1-Dichloroethene  
Concen: 49.572 ug/l  
RT: 2.578 min Scan# 385  
Delta R.T. -0.003 min  
Lab File: VU045752.D  
Acq: 11 Nov 2021 20:28

Tgt Ion: 96 Resp: 52061  
Ion Ratio Lower Upper  
96 100  
61 164.2 137.1 205.7  
98 63.1 51.5 77.3

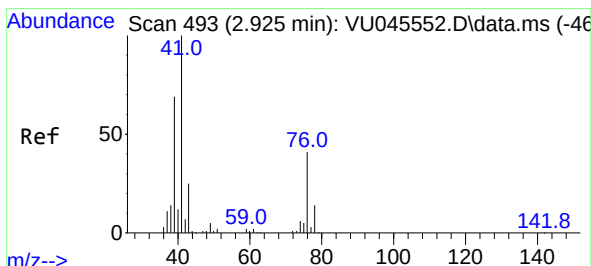
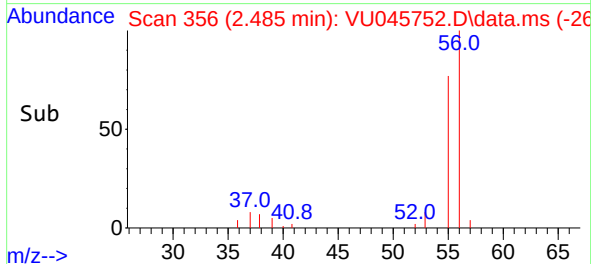
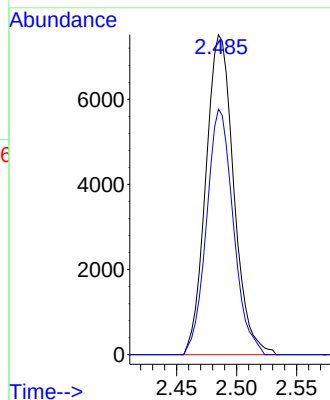
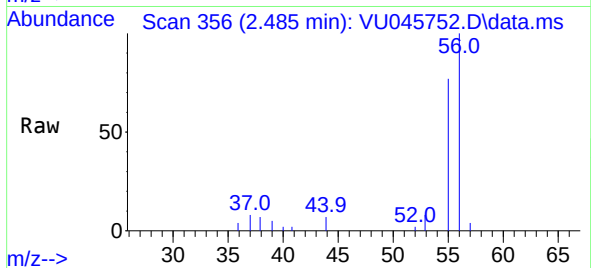




#13  
Acrolein  
Concen: 296.547 ug/l  
RT: 2.485 min Scan# 31  
Delta R.T. -0.003 min  
Lab File: VU045752.D  
Acq: 11 Nov 2021 20:28

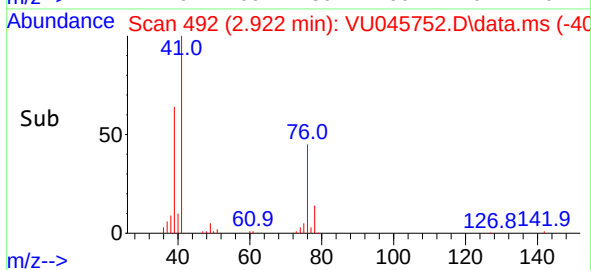
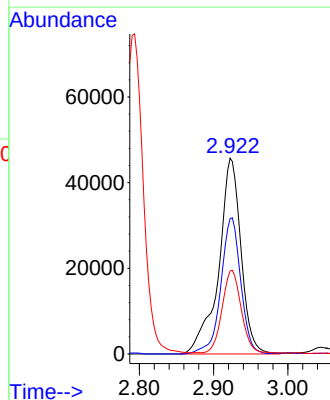
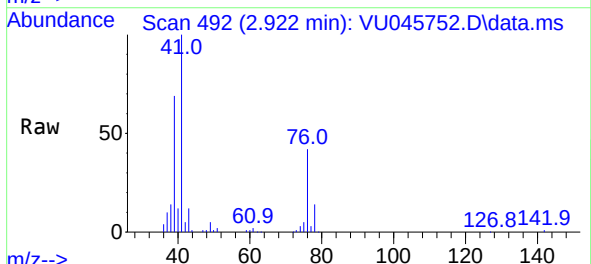
Instrument :  
MSVOA\_U  
ClientSampleId :  
56BR-20211108MS

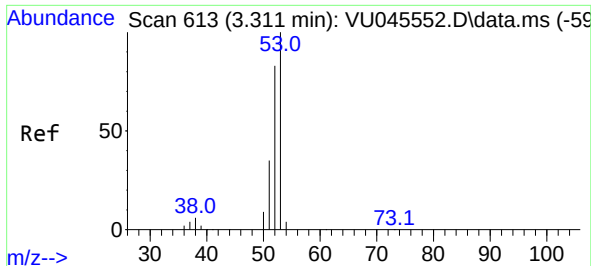
Tgt Ion: 56 Resp: 12160  
Ion Ratio Lower Upper  
56 100  
55 73.8 56.3 84.5



#14  
Allyl chloride  
Concen: 51.179 ug/l  
RT: 2.922 min Scan# 492  
Delta R.T. -0.003 min  
Lab File: VU045752.D  
Acq: 11 Nov 2021 20:28

Tgt Ion: 41 Resp: 95973  
Ion Ratio Lower Upper  
41 100  
39 61.6 49.7 74.5  
76 36.4 27.7 41.5



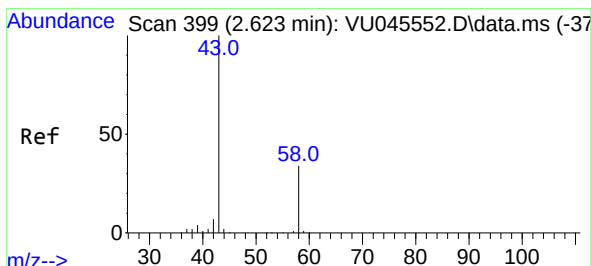
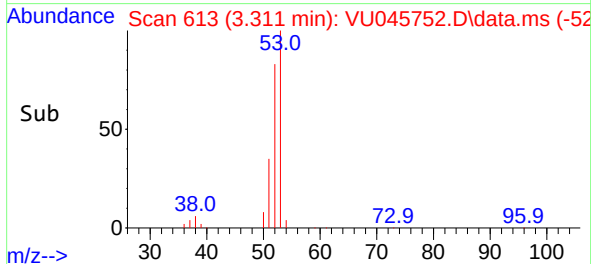
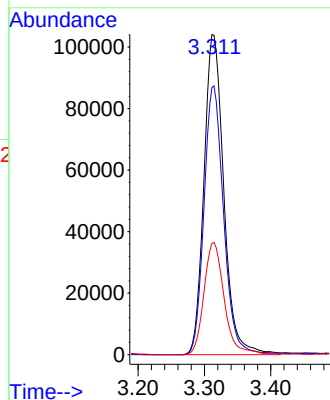
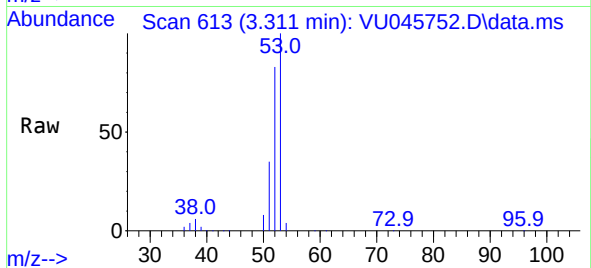


#15  
Acrylonitrile  
Concen: 286.541 ug/l  
RT: 3.311 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VU045752.D  
Acq: 11 Nov 2021 20:28

Instrument :  
MSVOA\_U  
ClientSampleId :  
56BR-20211108MS

Tgt Ion: 53 Resp: 216478

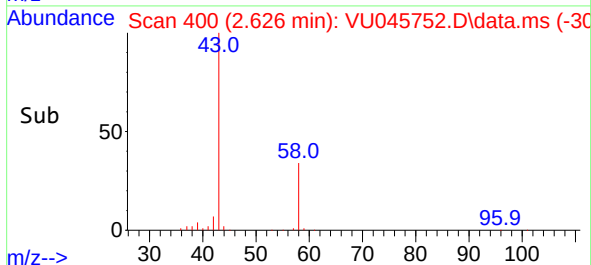
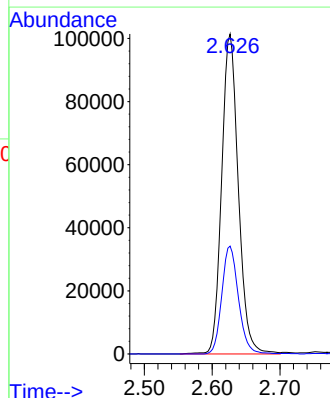
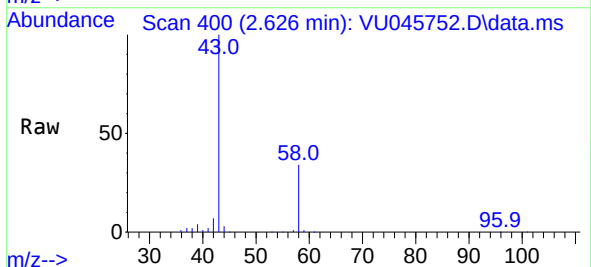
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 53  | 100   |       |       |
| 52  | 83.3  | 66.6  | 100.0 |
| 51  | 35.9  | 28.4  | 42.6  |

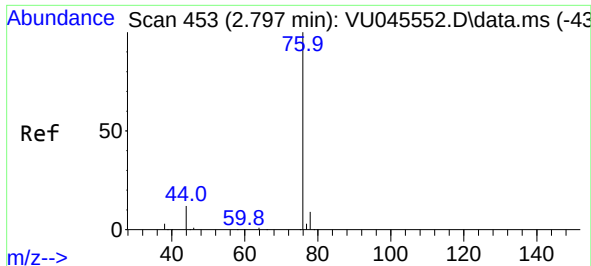


#16  
Acetone  
Concen: 237.980 ug/l  
RT: 2.626 min Scan# 400  
Delta R.T. 0.003 min  
Lab File: VU045752.D  
Acq: 11 Nov 2021 20:28

Tgt Ion: 43 Resp: 173188

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 33.7  | 26.2  | 39.2  |

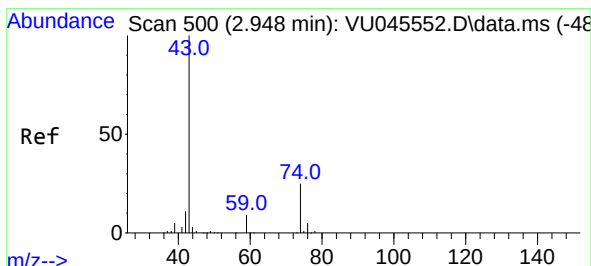
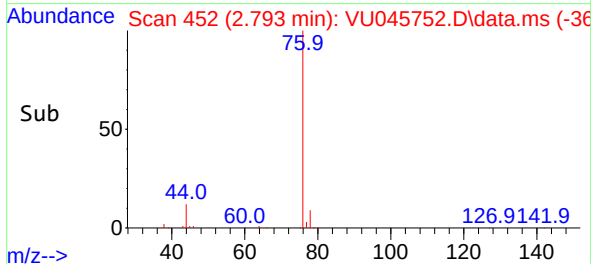
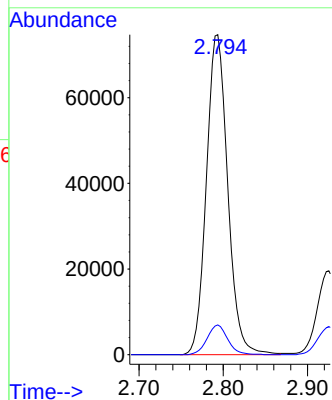
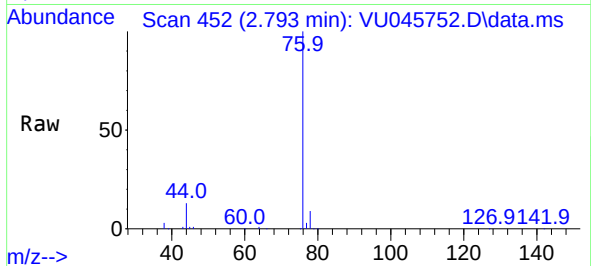




#17  
Carbon Disulfide  
Concen: 44.716 ug/l  
RT: 2.793 min Scan# 41  
Delta R.T. -0.003 min  
Lab File: VU045752.D  
Acq: 11 Nov 2021 20:28

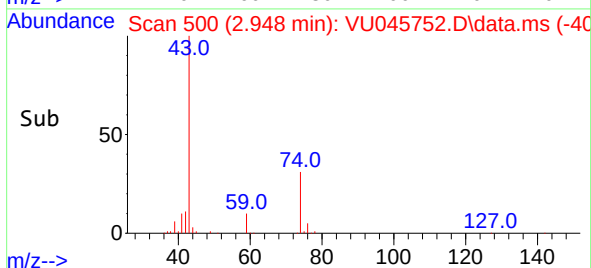
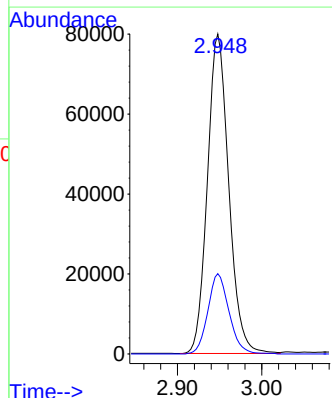
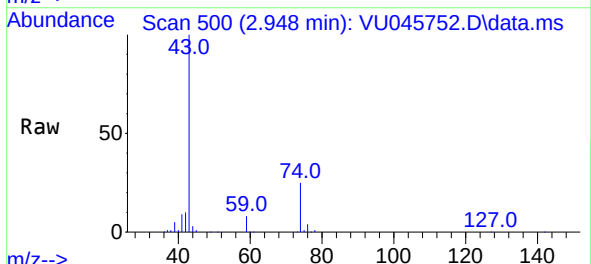
Instrument :  
MSVOA\_U  
ClientSampleId :  
56BR-20211108MS

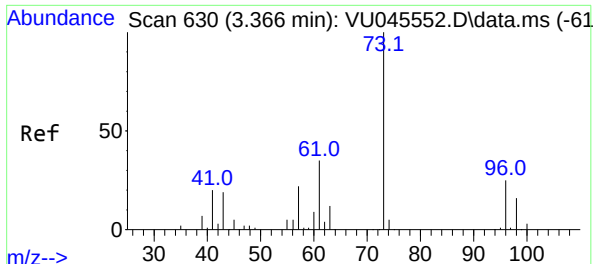
Tgt Ion: 76 Resp: 131538  
Ion Ratio Lower Upper  
76 100  
78 9.3 7.3 10.9



#18  
Methyl Acetate  
Concen: 56.786 ug/l  
RT: 2.948 min Scan# 500  
Delta R.T. 0.000 min  
Lab File: VU045752.D  
Acq: 11 Nov 2021 20:28

Tgt Ion: 43 Resp: 140756  
Ion Ratio Lower Upper  
43 100  
74 24.9 20.2 30.2





#19

Methyl tert-butyl Ether

Concen: 54.298 ug/l

RT: 3.366 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU045752.D

Acq: 11 Nov 2021 20:28

Instrument :

MSVOA\_U

ClientSampleId :

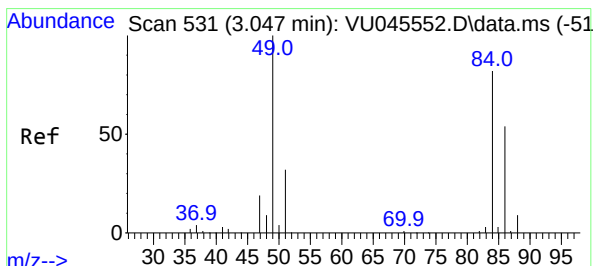
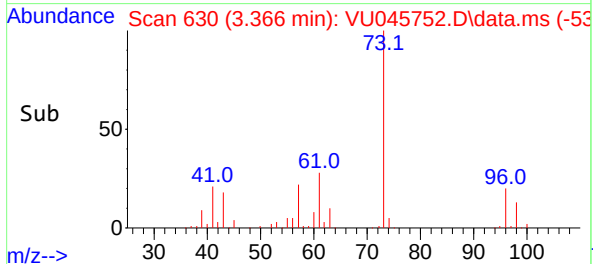
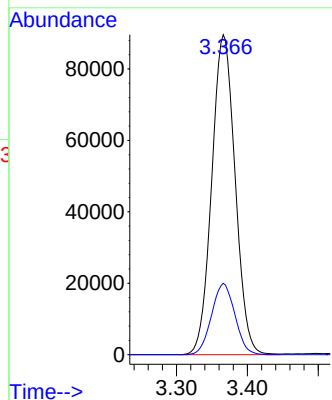
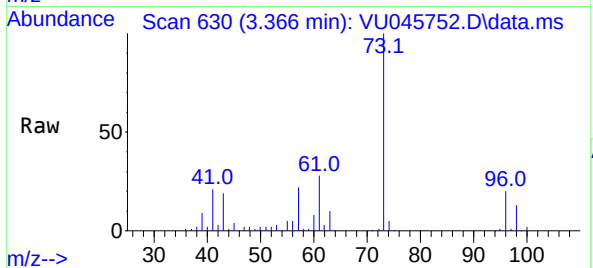
56BR-20211108MS

Tgt Ion: 73 Resp: 205267

Ion Ratio Lower Upper

73 100

57 22.3 18.1 27.1



#20

Methylene Chloride

Concen: 54.813 ug/l

RT: 3.048 min Scan# 531

Delta R.T. 0.000 min

Lab File: VU045752.D

Acq: 11 Nov 2021 20:28

Tgt Ion: 84 Resp: 69312

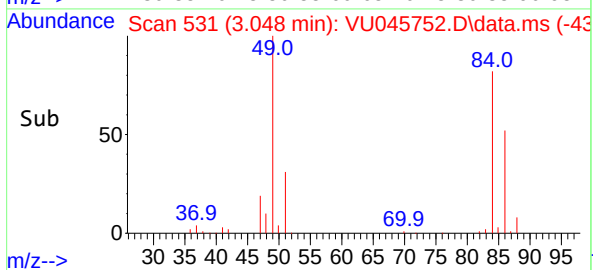
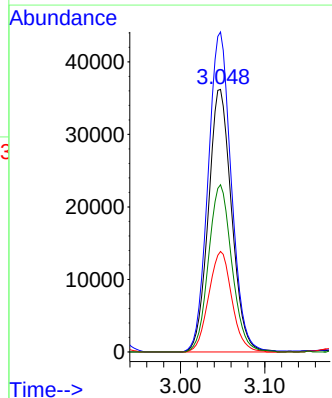
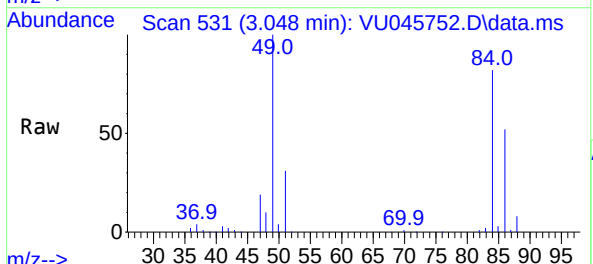
Ion Ratio Lower Upper

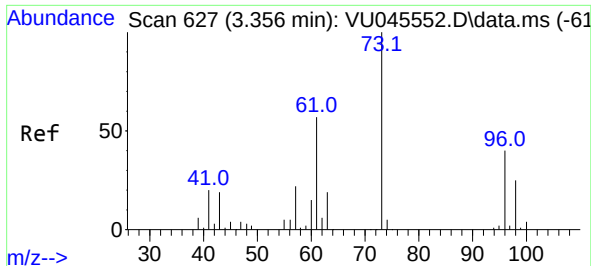
84 100

49 121.8 96.4 144.6

51 38.3 30.5 45.7

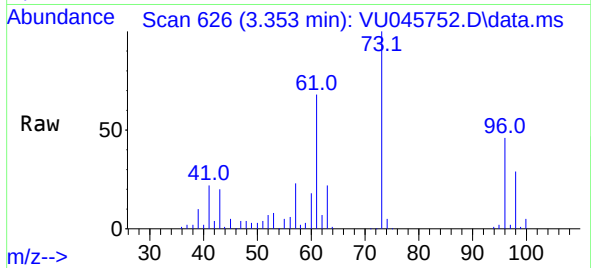
86 63.7 50.3 75.5



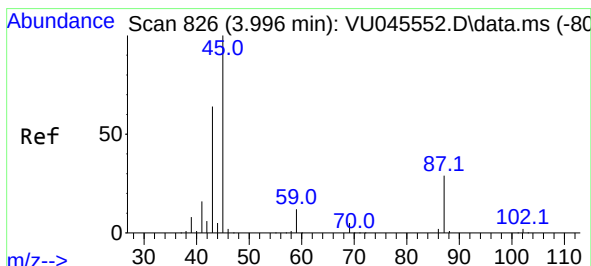
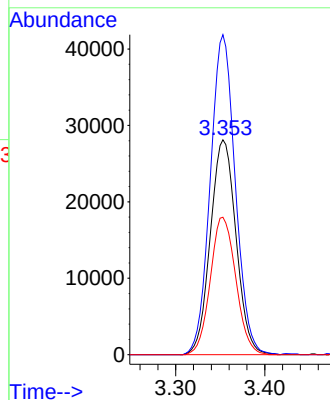
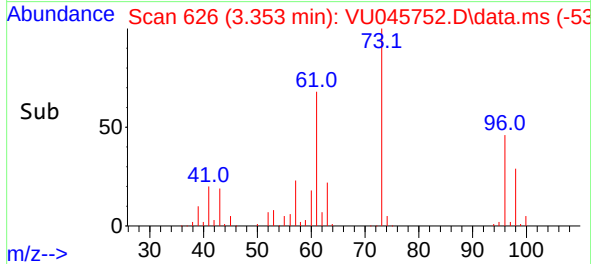


#21  
trans-1,2-Dichloroethene  
Concen: 51.617 ug/l  
RT: 3.353 min Scan# 61  
Delta R.T. -0.003 min  
Lab File: VU045752.D  
Acq: 11 Nov 2021 20:28

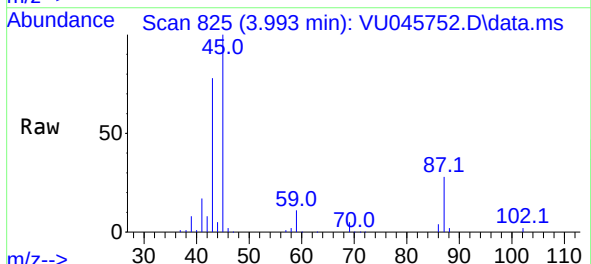
Instrument :  
MSVOA\_U  
ClientSampleId :  
56BR-20211108MS



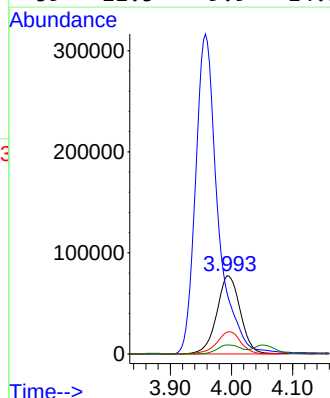
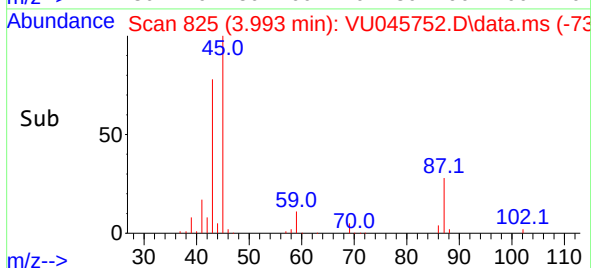
Tgt Ion: 96 Resp: 56396  
Ion Ratio Lower Upper  
96 100  
61 148.9 118.2 177.4  
98 63.9 52.1 78.1

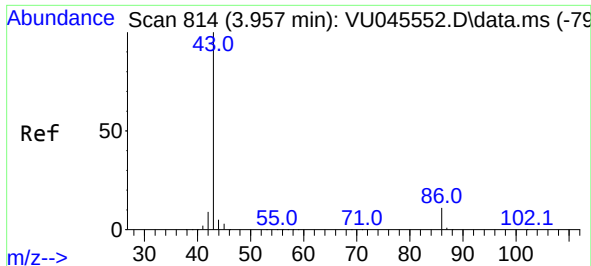


#22  
Diisopropyl ether  
Concen: 56.283 ug/l  
RT: 3.993 min Scan# 825  
Delta R.T. -0.003 min  
Lab File: VU045752.D  
Acq: 11 Nov 2021 20:28



Tgt Ion: 45 Resp: 207239  
Ion Ratio Lower Upper  
45 100  
43 75.1 60.0 90.0  
87 28.1 22.3 33.5  
59 11.5 9.9 14.9

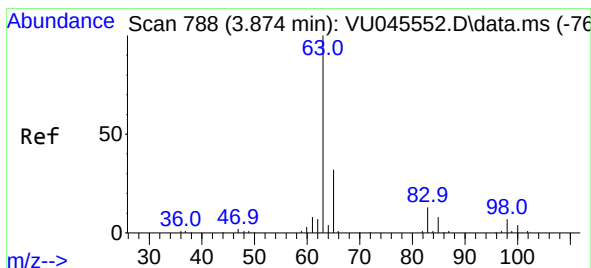
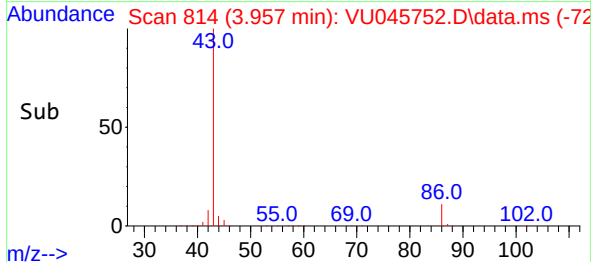
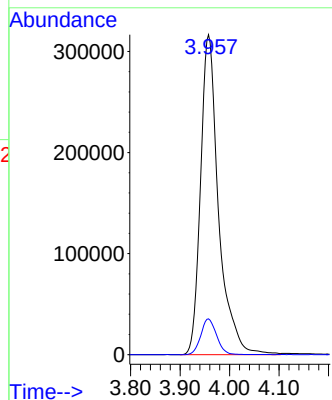
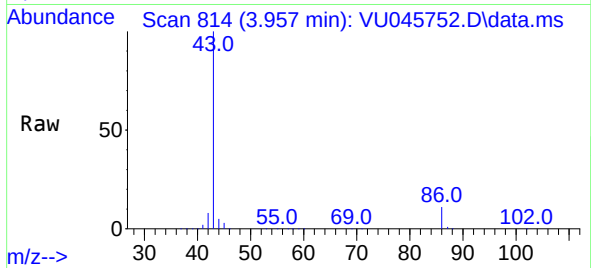




#23  
 Vinyl Acetate  
 Concen: 283.235 ug/l  
 RT: 3.957 min Scan# 814  
 Delta R.T. 0.000 min  
 Lab File: VU045752.D  
 Acq: 11 Nov 2021 20:28

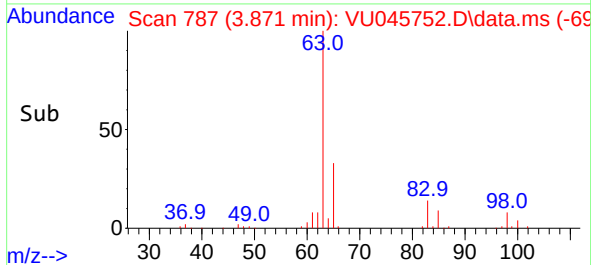
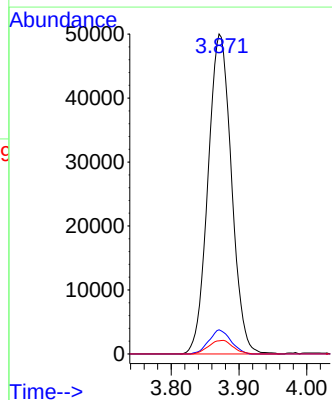
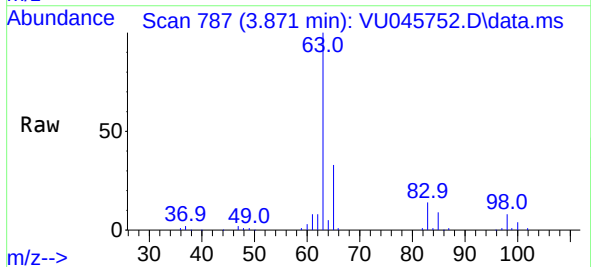
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 56BR-20211108MS

Tgt Ion: 43 Resp: 802097  
 Ion Ratio Lower Upper  
 43 100  
 86 11.2 8.9 13.3

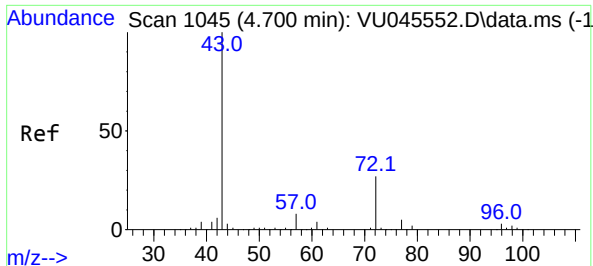


#24  
 1,1-Dichloroethane  
 Concen: 54.727 ug/l  
 RT: 3.871 min Scan# 787  
 Delta R.T. -0.003 min  
 Lab File: VU045752.D  
 Acq: 11 Nov 2021 20:28

Tgt Ion: 63 Resp: 120081  
 Ion Ratio Lower Upper  
 63 100  
 98 7.5 3.5 10.6  
 100 4.1 2.4 7.2



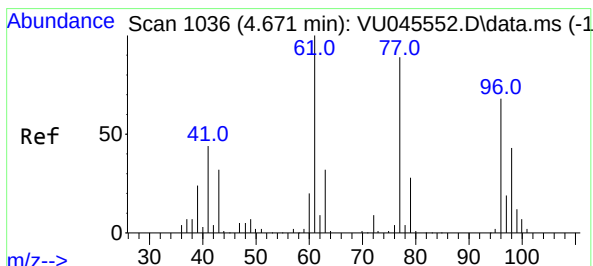
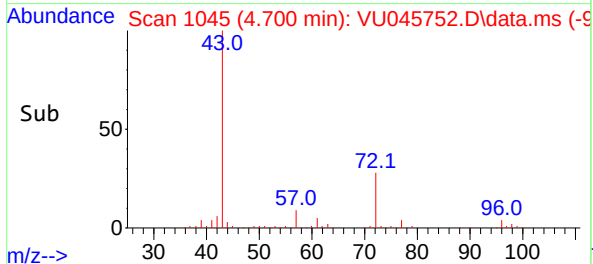
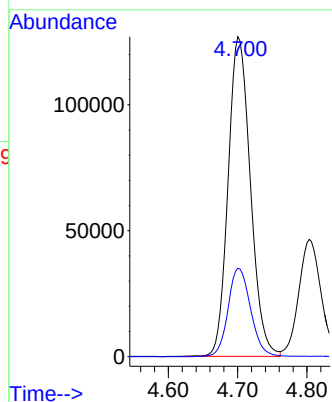
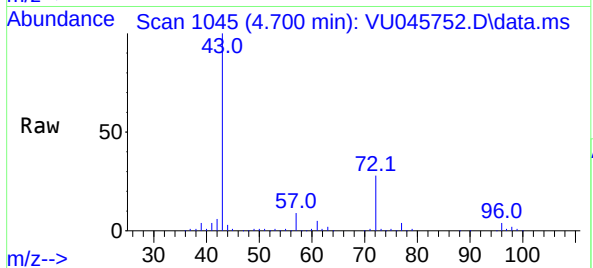




#25  
2-Butanone  
Concen: 280.997 ug/l  
RT: 4.700 min Scan# 1045  
Delta R.T. 0.000 min  
Lab File: VU045752.D  
Acq: 11 Nov 2021 20:28

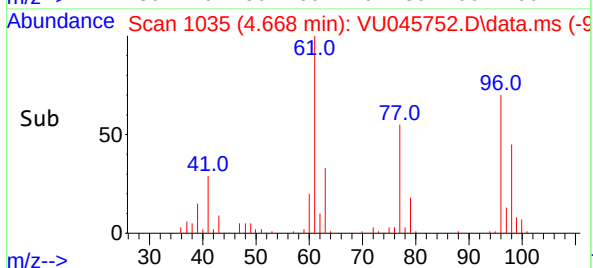
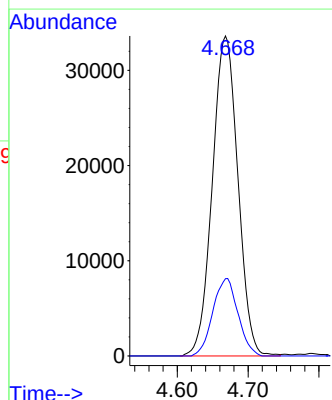
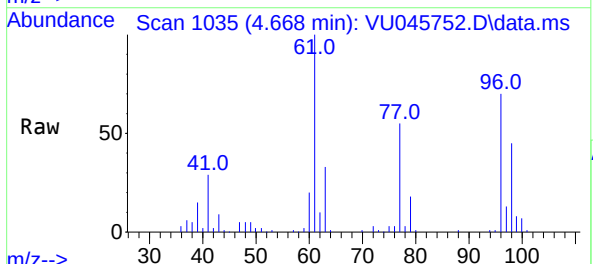
Instrument :  
MSVOA\_U  
ClientSampleId :  
56BR-20211108MS

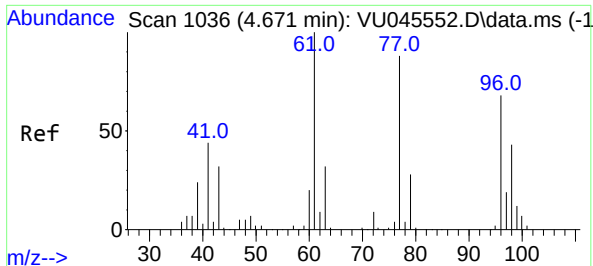
Tgt Ion: 43 Resp: 283624  
Ion Ratio Lower Upper  
43 100  
72 27.6 22.0 33.0



#26  
2,2-Dichloropropane  
Concen: 46.342 ug/l  
RT: 4.668 min Scan# 1035  
Delta R.T. -0.003 min  
Lab File: VU045752.D  
Acq: 11 Nov 2021 20:28

Tgt Ion: 77 Resp: 84259  
Ion Ratio Lower Upper  
77 100  
97 23.8 11.4 34.1

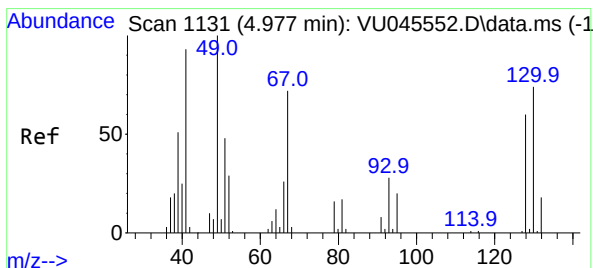
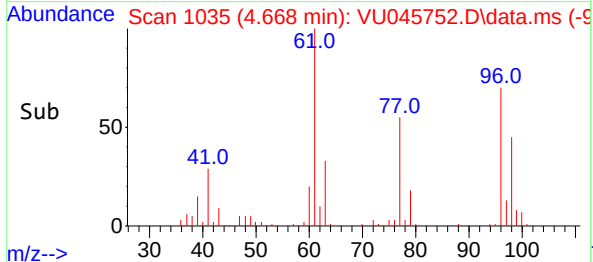
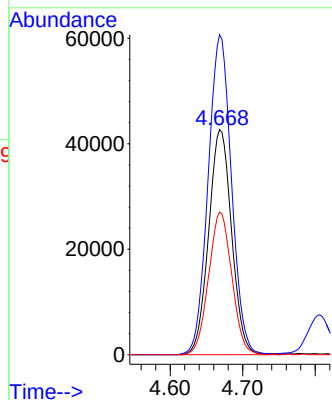
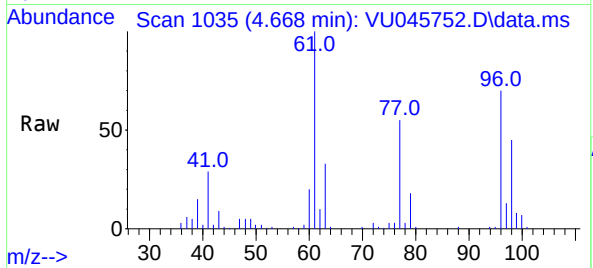




#27  
 cis-1,2-Dichloroethene  
 Concen: 73.337 ug/l  
 RT: 4.668 min Scan# 1036  
 Delta R.T. -0.003 min  
 Lab File: VU045752.D  
 Acq: 11 Nov 2021 20:28

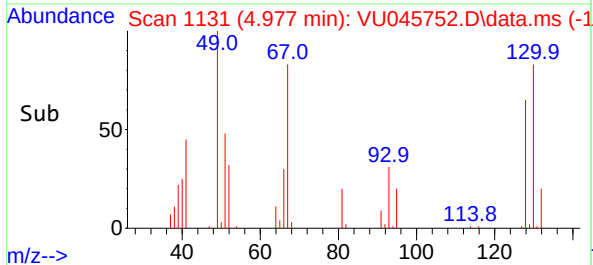
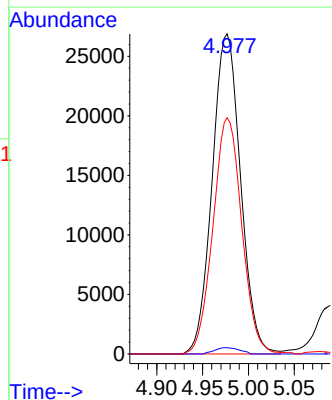
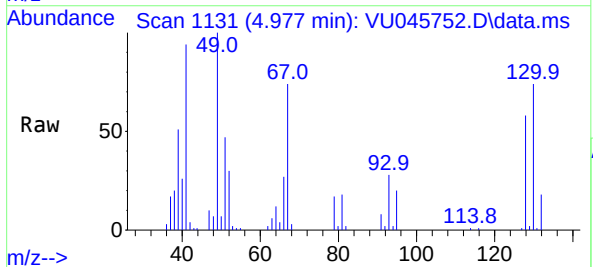
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 56BR-20211108MS

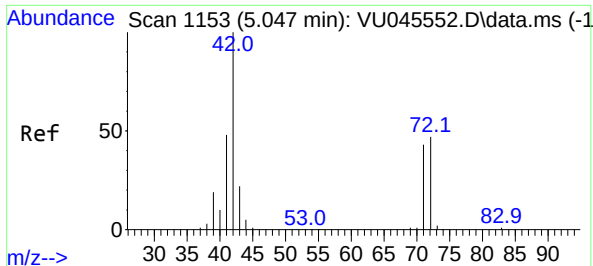
Tgt Ion: 96 Resp: 94111  
 Ion Ratio Lower Upper  
 96 100  
 61 144.2 0.0 299.2  
 98 63.8 0.0 127.6



#28  
 Bromochloromethane  
 Concen: 55.349 ug/l  
 RT: 4.977 min Scan# 1131  
 Delta R.T. 0.000 min  
 Lab File: VU045752.D  
 Acq: 11 Nov 2021 20:28

Tgt Ion: 49 Resp: 57898  
 Ion Ratio Lower Upper  
 49 100  
 129 1.7 0.0 3.4  
 130 74.8 57.5 86.3

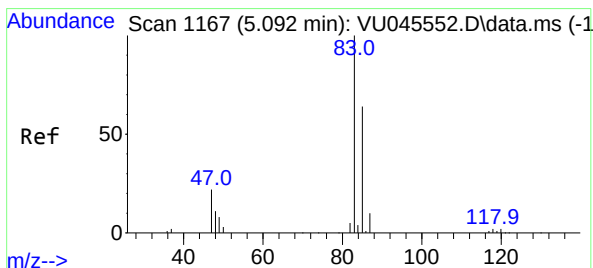
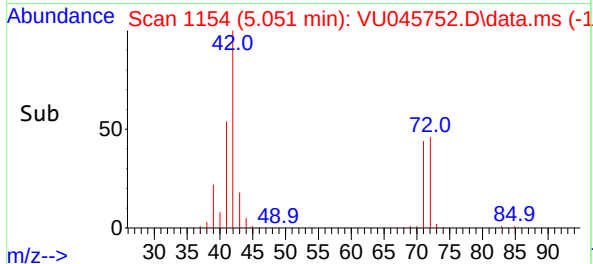
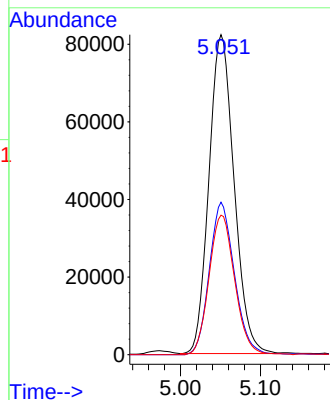
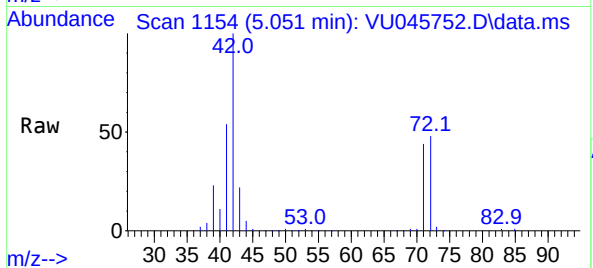




#29  
Tetrahydrofuran  
Concen: 290.398 ug/l  
RT: 5.051 min Scan# 1153  
Delta R.T. 0.003 min  
Lab File: VU045752.D  
Acq: 11 Nov 2021 20:28

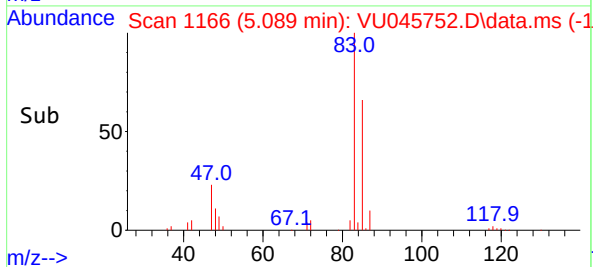
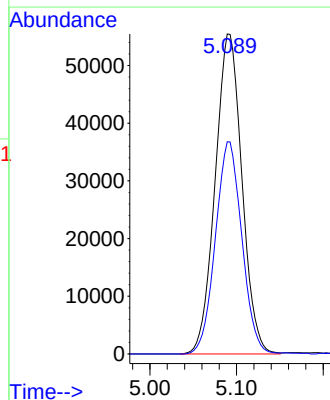
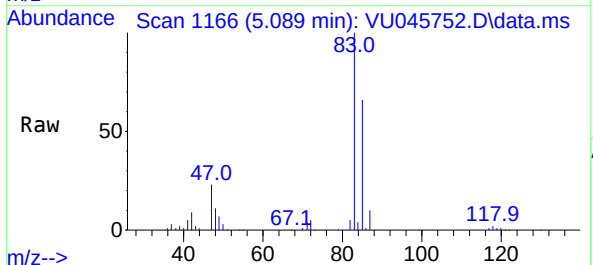
Instrument :  
MSVOA\_U  
ClientSampleId :  
56BR-20211108MS

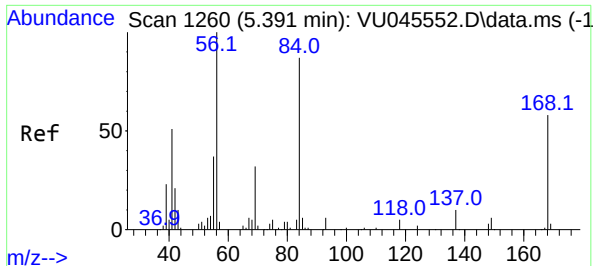
Tgt Ion: 42 Resp: 179292  
Ion Ratio Lower Upper  
42 100  
72 47.7 38.2 57.4  
71 44.7 35.4 53.2



#30  
Chloroform  
Concen: 54.855 ug/l  
RT: 5.089 min Scan# 1166  
Delta R.T. -0.003 min  
Lab File: VU045752.D  
Acq: 11 Nov 2021 20:28

Tgt Ion: 83 Resp: 119037  
Ion Ratio Lower Upper  
83 100  
85 66.3 52.0 78.0





#31

Cyclohexane

Concen: 46.755 ug/l

RT: 5.388 min Scan# 1259

Delta R.T. -0.003 min

Lab File: VU045752.D

Acq: 11 Nov 2021 20:28

Instrument :

MSVOA\_U

ClientSampleId :

56BR-20211108MS

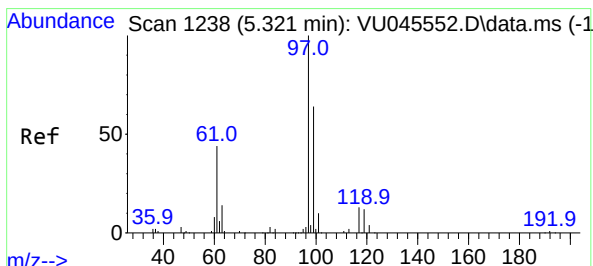
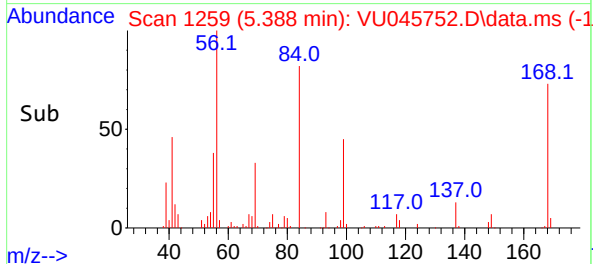
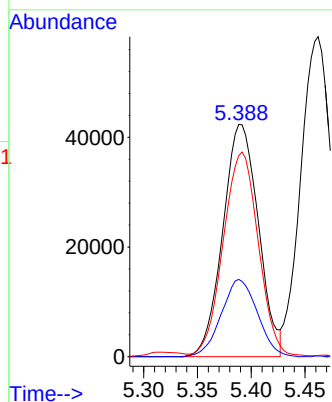
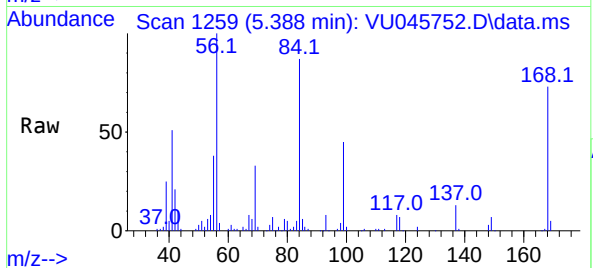
Tgt Ion: 56 Resp: 97529

Ion Ratio Lower Upper

56 100

69 33.3 26.4 39.6

84 85.1 68.4 102.6



#32

1,1,1-Trichloroethane

Concen: 54.503 ug/l

RT: 5.318 min Scan# 1237

Delta R.T. -0.003 min

Lab File: VU045752.D

Acq: 11 Nov 2021 20:28

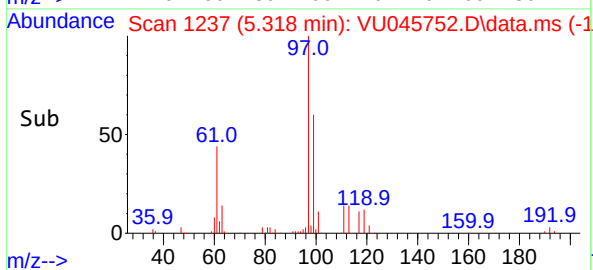
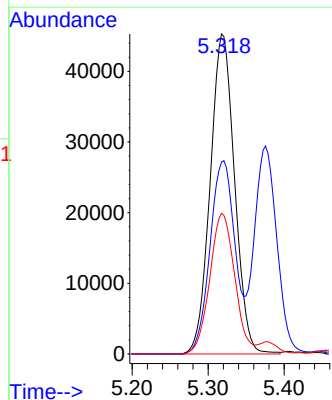
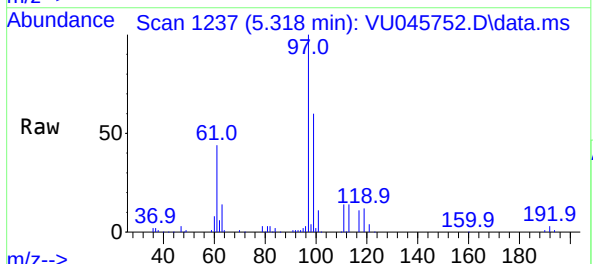
Tgt Ion: 97 Resp: 100860

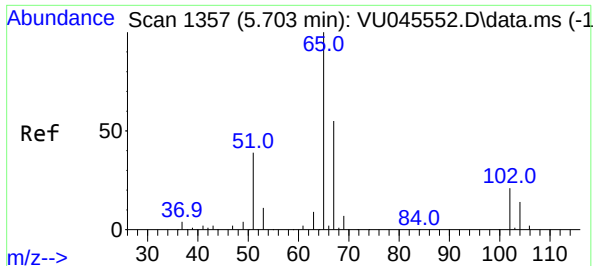
Ion Ratio Lower Upper

97 100

99 61.4 50.8 76.2

61 45.0 38.3 57.5





#33

1,2-Dichloroethane-d4

Concen: 63.566 ug/l

RT: 5.703 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU045752.D

Acq: 11 Nov 2021 20:28

Instrument :

MSVOA\_U

ClientSampleId :

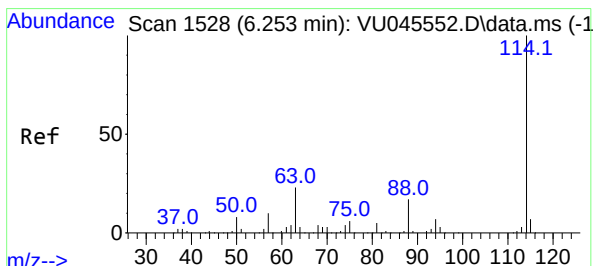
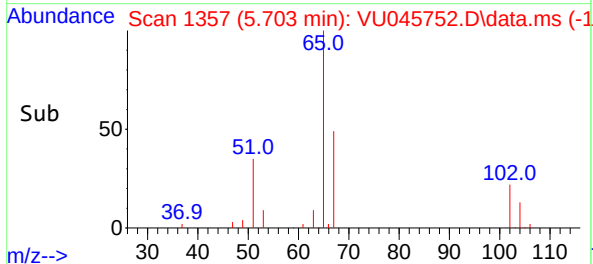
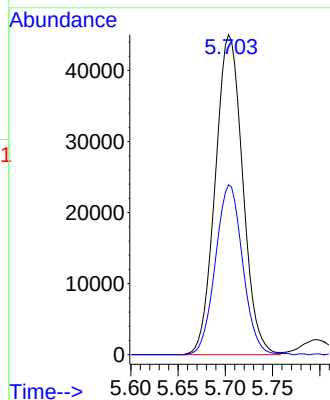
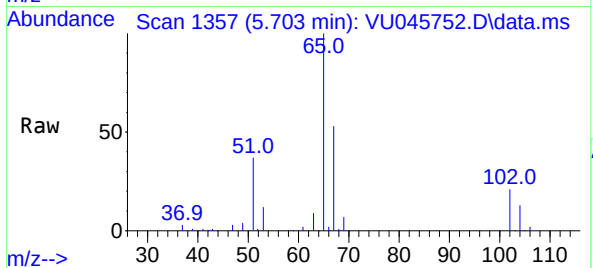
56BR-20211108MS

Tgt Ion: 65 Resp: 90875

Ion Ratio Lower Upper

65 100

67 52.7 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.250 min Scan# 1527

Delta R.T. -0.003 min

Lab File: VU045752.D

Acq: 11 Nov 2021 20:28

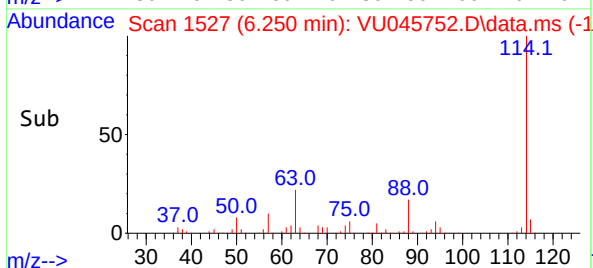
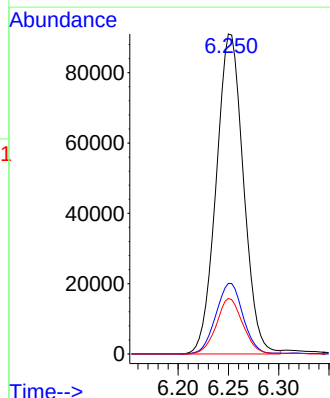
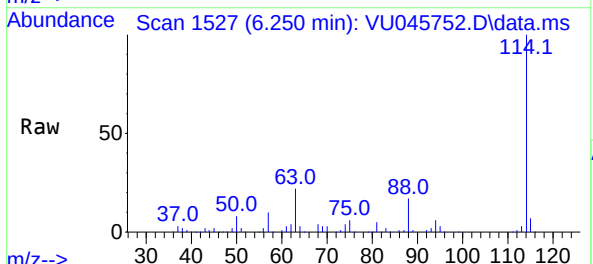
Tgt Ion: 114 Resp: 171309

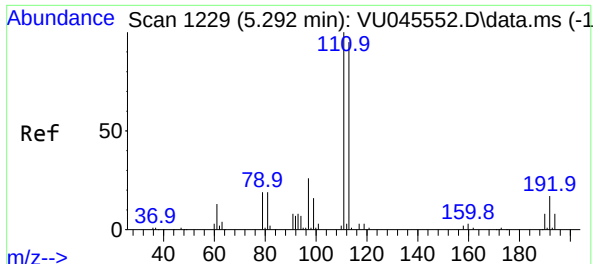
Ion Ratio Lower Upper

114 100

63 22.1 0.0 45.6

88 17.3 0.0 33.8

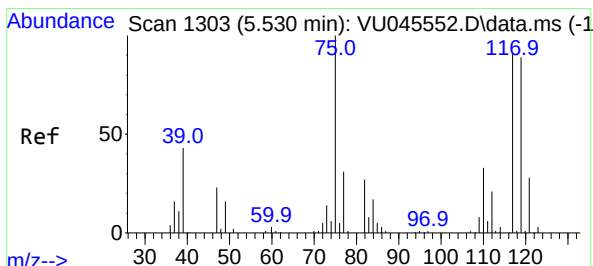
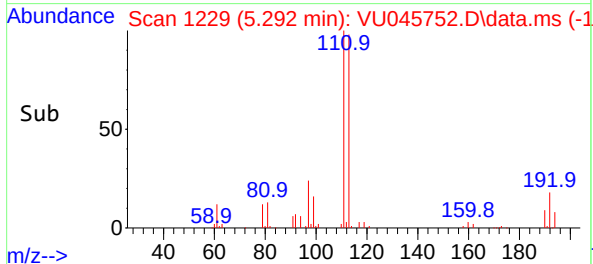
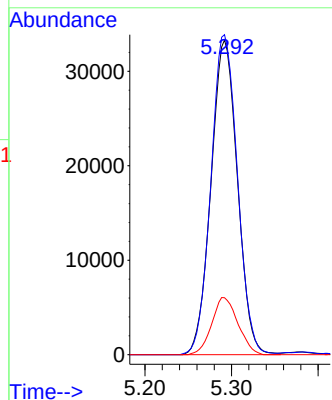
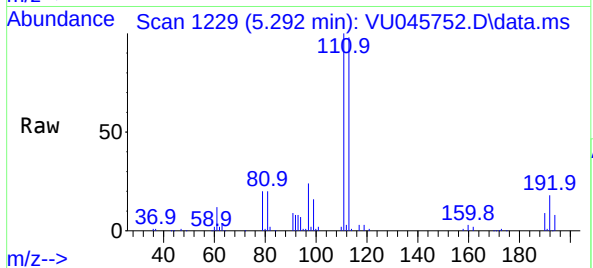




#35  
Dibromofluoromethane  
Concen: 61.730 ug/l  
RT: 5.292 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VU045752.D  
Acq: 11 Nov 2021 20:28

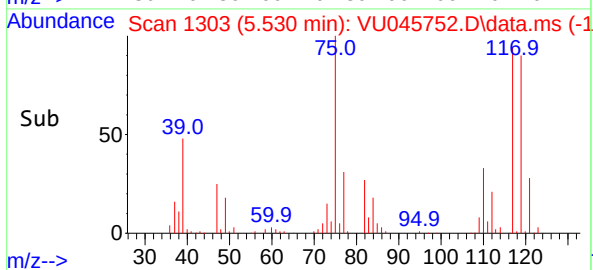
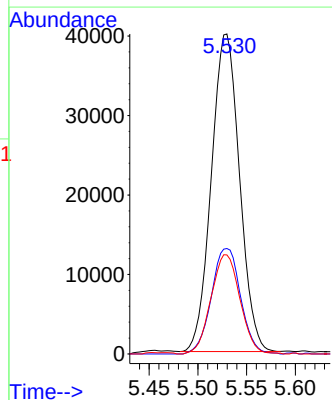
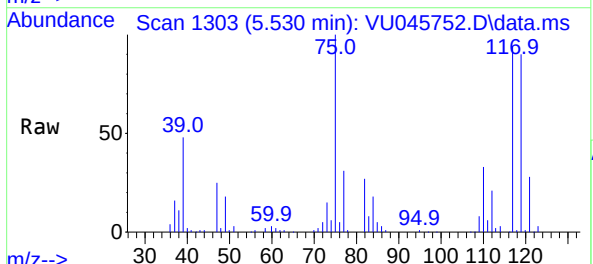
Instrument :  
MSVOA\_U  
ClientSampleId :  
56BR-20211108MS

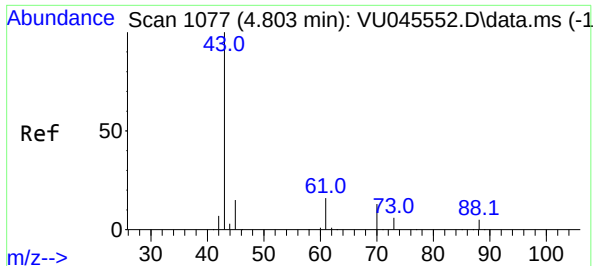
Tgt Ion:113 Resp: 70603  
Ion Ratio Lower Upper  
113 100  
111 102.0 82.8 124.2  
192 18.0 14.8 22.2



#36  
1,1-Dichloropropene  
Concen: 48.093 ug/l  
RT: 5.530 min Scan# 1303  
Delta R.T. 0.000 min  
Lab File: VU045752.D  
Acq: 11 Nov 2021 20:28

Tgt Ion: 75 Resp: 80334  
Ion Ratio Lower Upper  
75 100  
110 34.4 16.7 50.0  
77 32.2 25.0 37.4





#37

Ethyl Acetate

Concen: 55.090 ug/l

RT: 4.803 min Scan# 1077

Delta R.T. 0.000 min

Lab File: VU045752.D

Acq: 11 Nov 2021 20:28

Instrument :

MSVOA\_U

ClientSampleId :

56BR-20211108MS

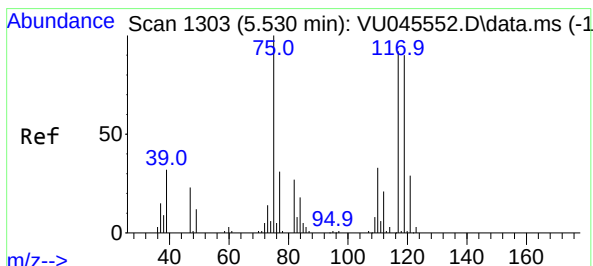
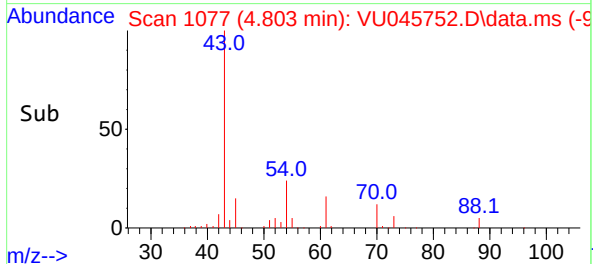
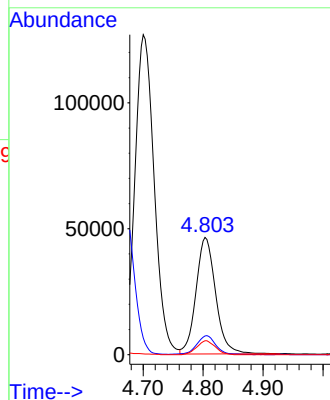
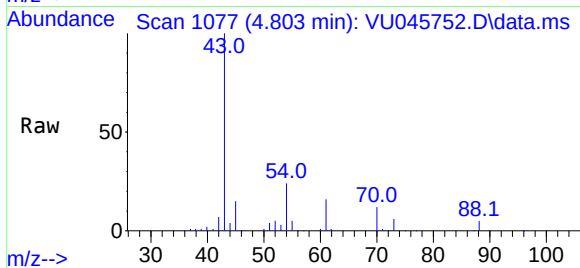
Tgt Ion: 43 Resp: 105706

Ion Ratio Lower Upper

43 100

61 16.2 11.6 17.4

70 11.3 9.1 13.7



#38

Carbon Tetrachloride

Concen: 50.243 ug/l

RT: 5.527 min Scan# 1302

Delta R.T. -0.003 min

Lab File: VU045752.D

Acq: 11 Nov 2021 20:28

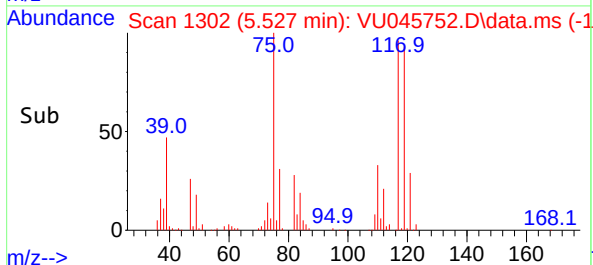
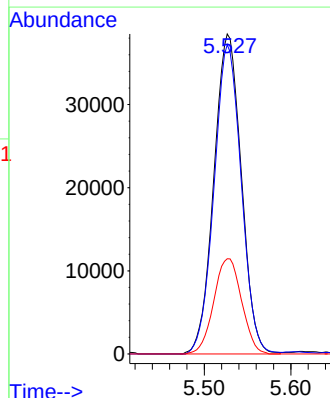
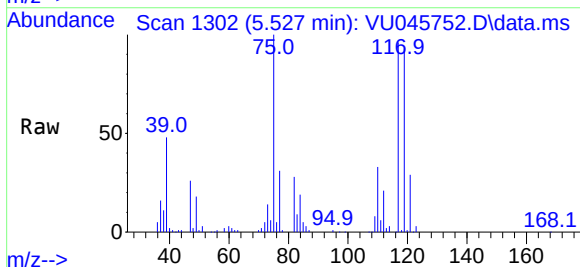
Tgt Ion: 117 Resp: 84611

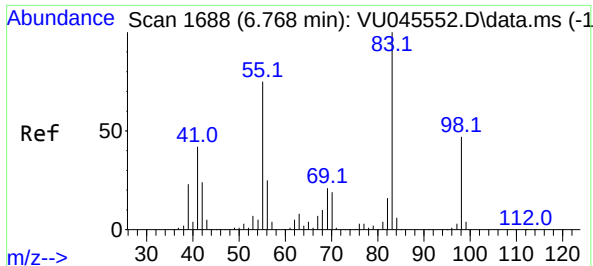
Ion Ratio Lower Upper

117 100

119 96.7 77.4 116.0

121 29.7 24.8 37.2





#39

Methylcyclohexane

Concen: 46.431 ug/l

RT: 6.764 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU045752.D

Acq: 11 Nov 2021 20:28

Instrument :

MSVOA\_U

ClientSampleId :

56BR-20211108MS

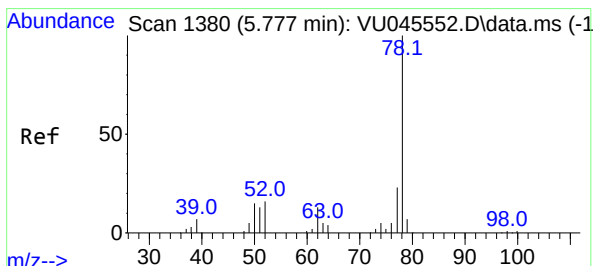
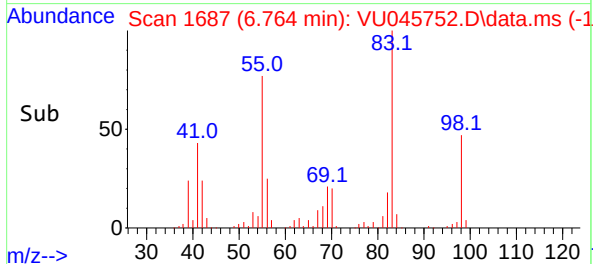
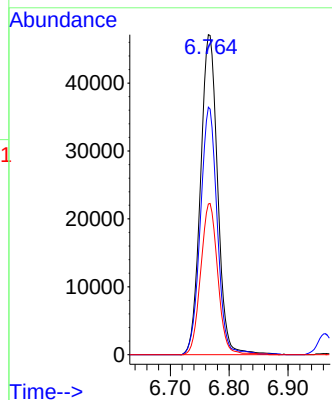
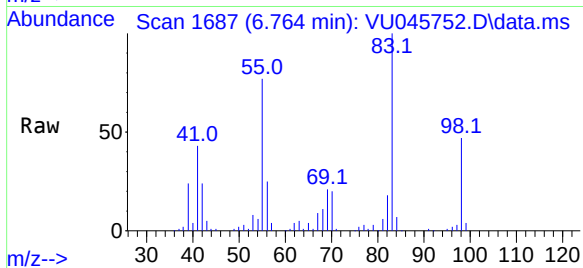
Tgt Ion: 83 Resp: 95149

Ion Ratio Lower Upper

83 100

55 77.4 63.6 95.4

98 47.1 37.1 55.7



#40

Benzene

Concen: 50.559 ug/l

RT: 5.777 min Scan# 1380

Delta R.T. 0.000 min

Lab File: VU045752.D

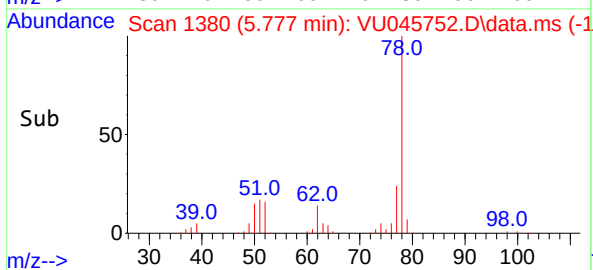
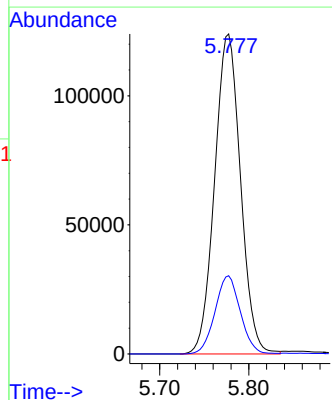
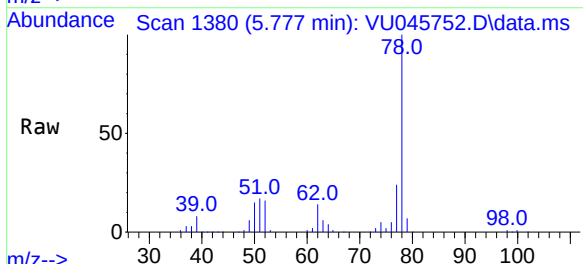
Acq: 11 Nov 2021 20:28

Tgt Ion: 78 Resp: 250035

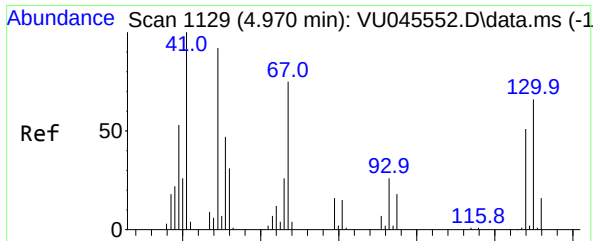
Ion Ratio Lower Upper

78 100

77 24.5 19.0 28.4





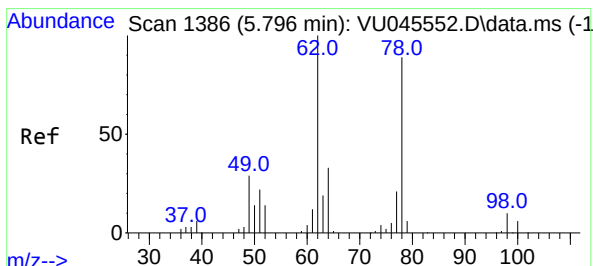
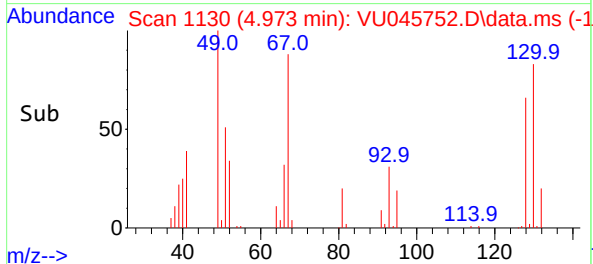
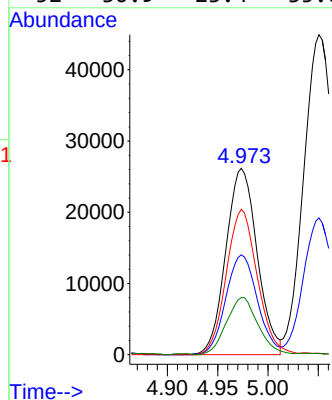
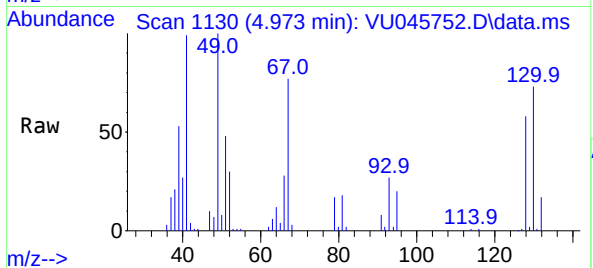


#41  
Methacrylonitrile  
Concen: 56.036 ug/l  
RT: 4.973 min Scan# 1129  
Delta R.T. 0.003 min  
Lab File: VU045752.D  
Acq: 11 Nov 2021 20:28

Instrument :  
MSVOA\_U  
ClientSampleId :  
56BR-20211108MS

Tgt Ion: 41 Resp: 56822

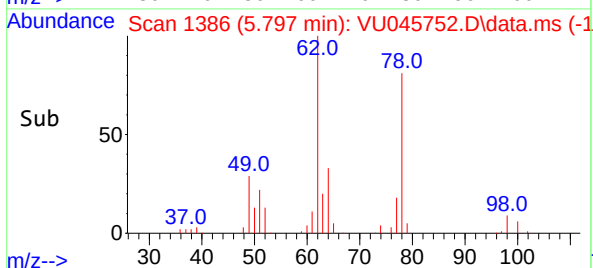
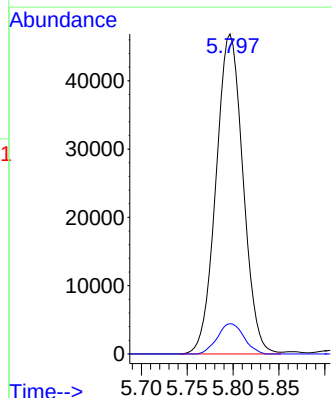
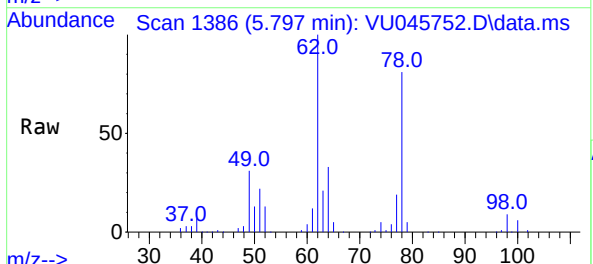
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 39  | 54.0  | 43.4  | 65.0  |
| 67  | 77.1  | 61.0  | 91.4  |
| 52  | 30.9  | 23.4  | 35.0  |

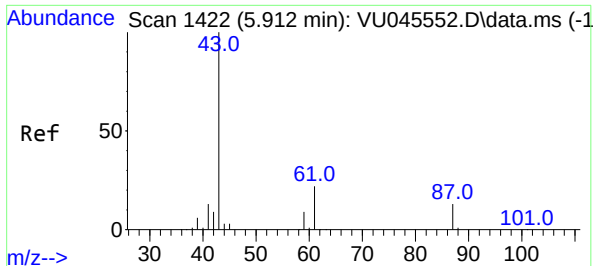


#42  
1,2-Dichloroethane  
Concen: 53.729 ug/l  
RT: 5.797 min Scan# 1386  
Delta R.T. 0.000 min  
Lab File: VU045752.D  
Acq: 11 Nov 2021 20:28

Tgt Ion: 62 Resp: 95977

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 62  | 100   |       |       |
| 98  | 9.3   | 0.0   | 18.4  |

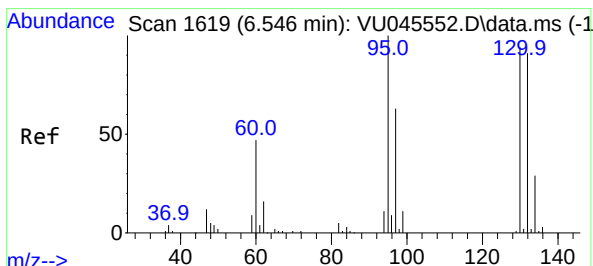
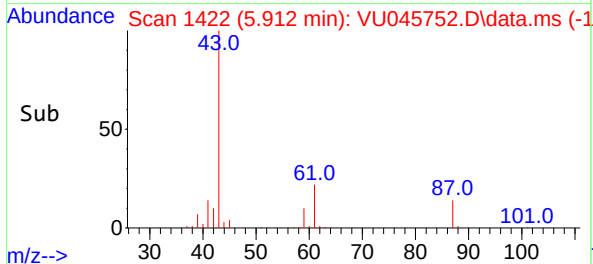
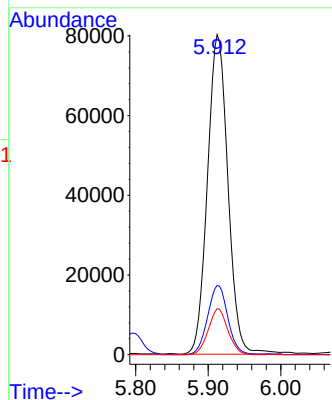
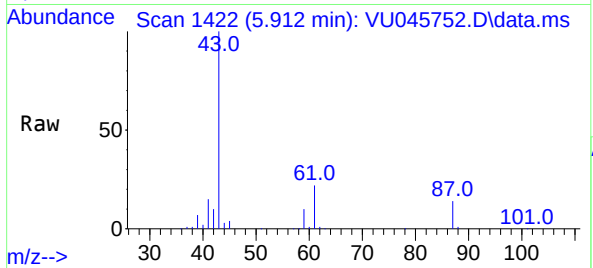




#43  
Isopropyl Acetate  
Concen: 53.725 ug/l  
RT: 5.912 min Scan# 1422  
Delta R.T. 0.000 min  
Lab File: VU045752.D  
Acq: 11 Nov 2021 20:28

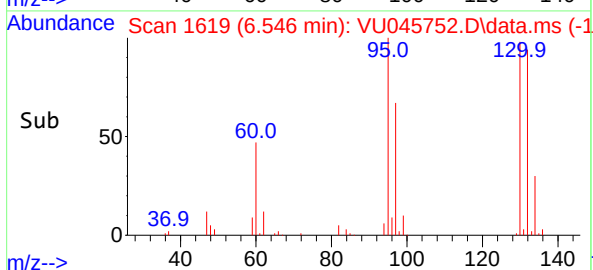
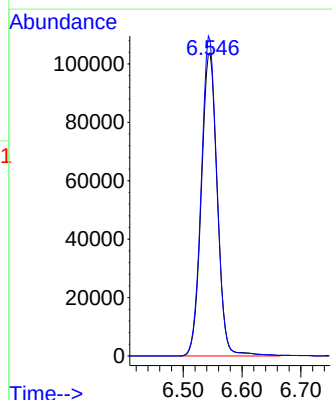
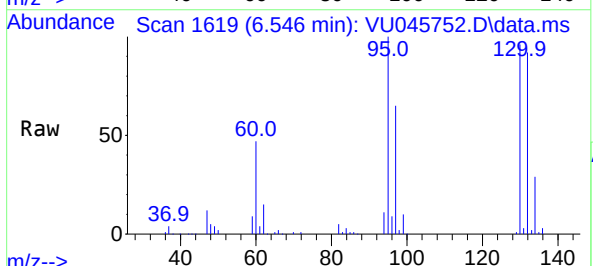
Instrument :  
MSVOA\_U  
ClientSampleId :  
56BR-20211108MS

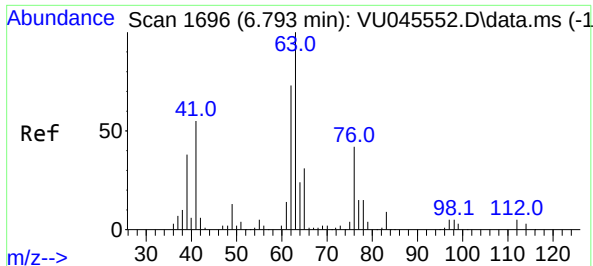
Tgt Ion: 43 Resp: 157676  
Ion Ratio Lower Upper  
43 100  
61 21.4 16.9 25.3  
87 13.7 11.0 16.4



#44  
Trichloroethene  
Concen: 165.029 ug/l  
RT: 6.546 min Scan# 1619  
Delta R.T. 0.000 min  
Lab File: VU045752.D  
Acq: 11 Nov 2021 20:28

Tgt Ion:130 Resp: 195358  
Ion Ratio Lower Upper  
130 100  
95 104.2 0.0 211.4





#45

1,2-Dichloropropane

Concen: 53.553 ug/l

RT: 6.793 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU045752.D

Acq: 11 Nov 2021 20:28

Instrument :

MSVOA\_U

ClientSampleId :

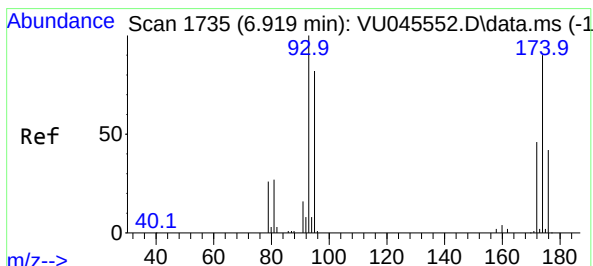
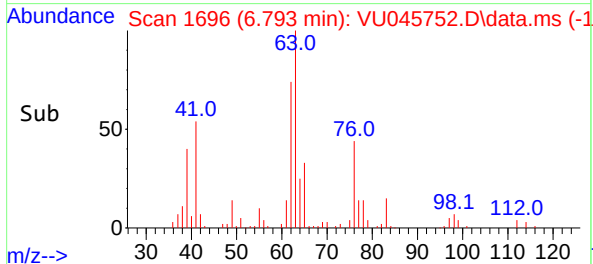
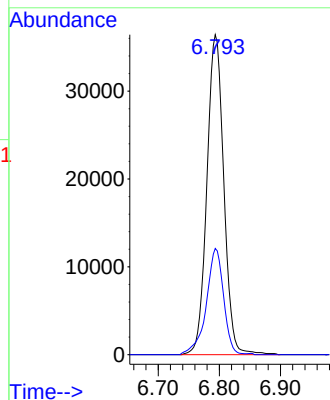
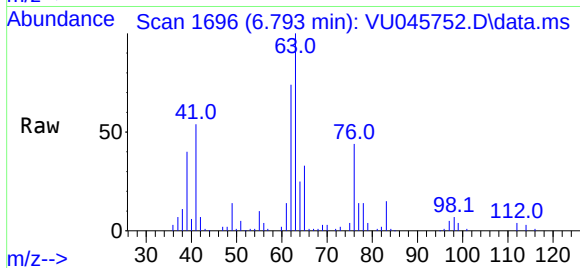
56BR-20211108MS

Tgt Ion: 63 Resp: 70077

Ion Ratio Lower Upper

63 100

65 33.2 25.7 38.5



#46

Dibromomethane

Concen: 53.465 ug/l

RT: 6.919 min Scan# 1735

Delta R.T. 0.000 min

Lab File: VU045752.D

Acq: 11 Nov 2021 20:28

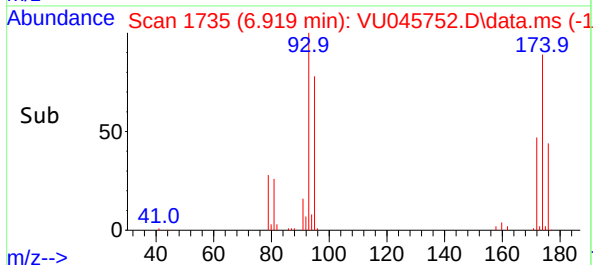
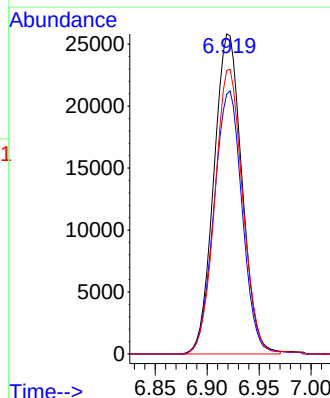
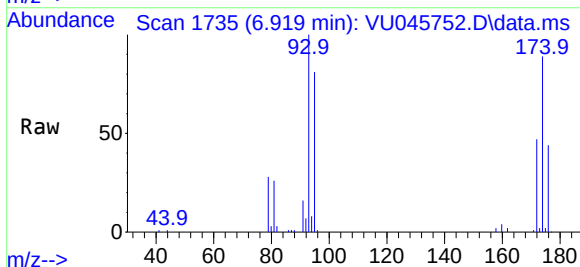
Tgt Ion: 93 Resp: 48476

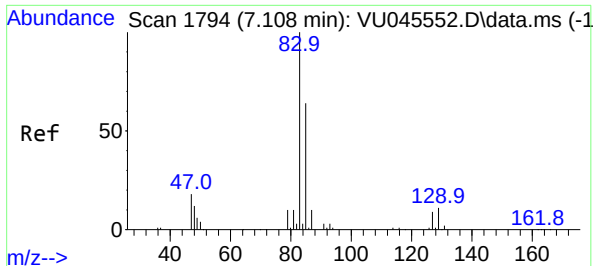
Ion Ratio Lower Upper

93 100

95 83.0 66.2 99.2

174 88.8 71.0 106.6

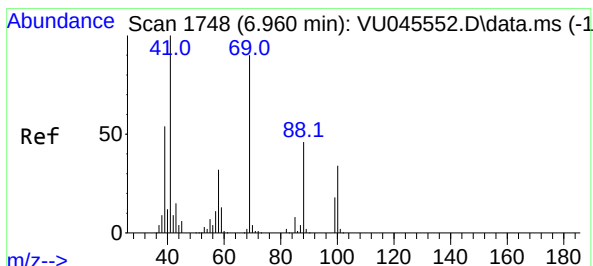
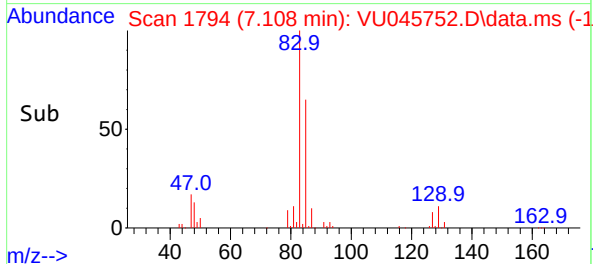
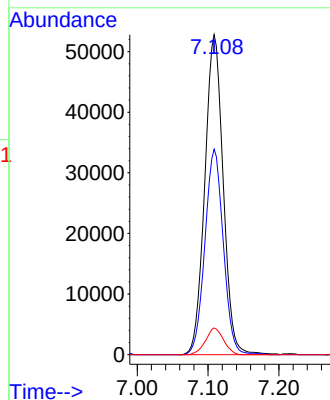
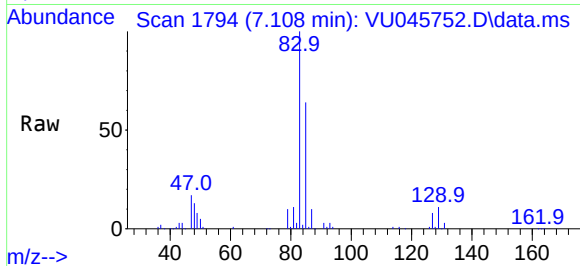




#47  
Bromodichloromethane  
Concen: 55.389 ug/l  
RT: 7.108 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VU045752.D  
Acq: 11 Nov 2021 20:28

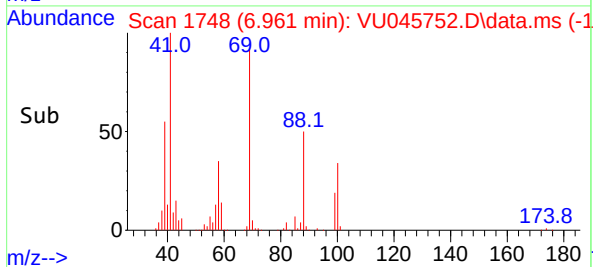
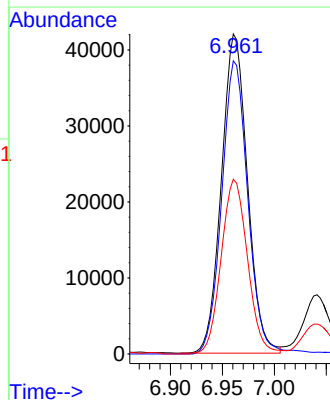
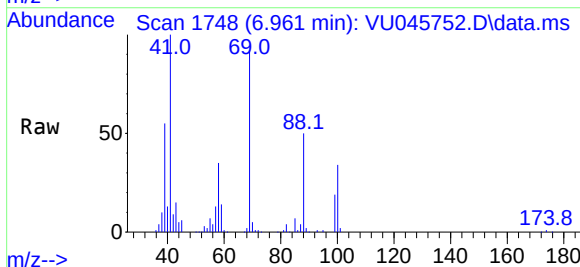
Instrument :  
MSVOA\_U  
ClientSampleId :  
56BR-20211108MS

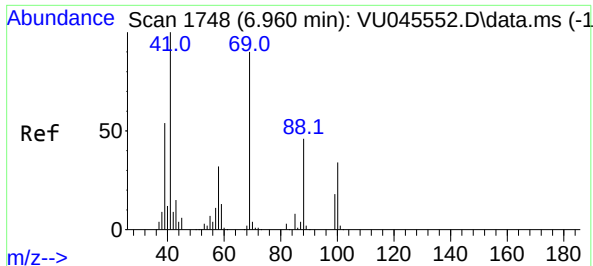
Tgt Ion: 83 Resp: 95289  
Ion Ratio Lower Upper  
83 100  
85 64.2 49.8 74.6  
127 8.4 6.2 9.2



#48  
Methyl methacrylate  
Concen: 54.188 ug/l  
RT: 6.961 min Scan# 1748  
Delta R.T. 0.000 min  
Lab File: VU045752.D  
Acq: 11 Nov 2021 20:28

Tgt Ion: 41 Resp: 73199  
Ion Ratio Lower Upper  
41 100  
69 92.4 70.2 105.2  
39 55.6 43.9 65.9

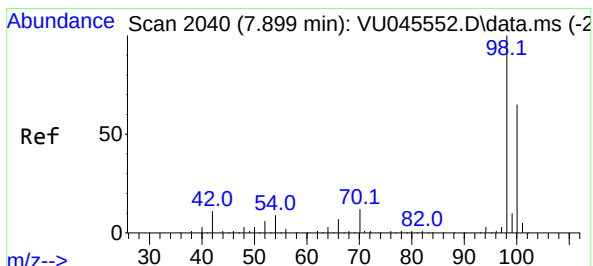
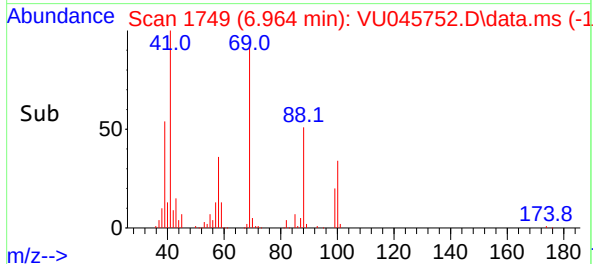
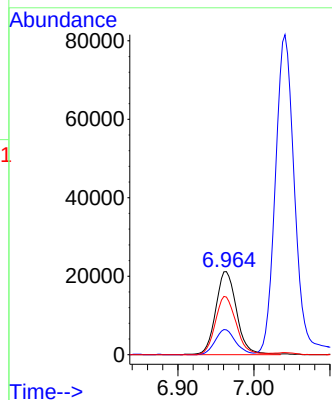
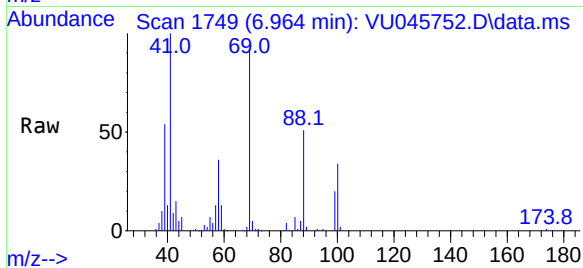




#49  
1,4-Dioxane  
Concen: 1165.234 ug/l  
RT: 6.964 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: VU045752.D  
Acq: 11 Nov 2021 20:28

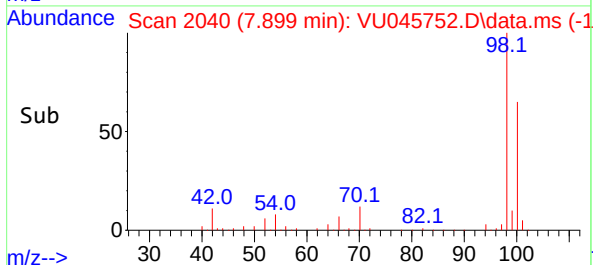
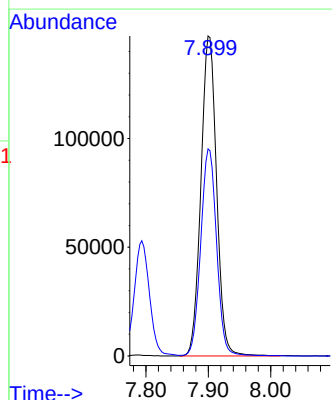
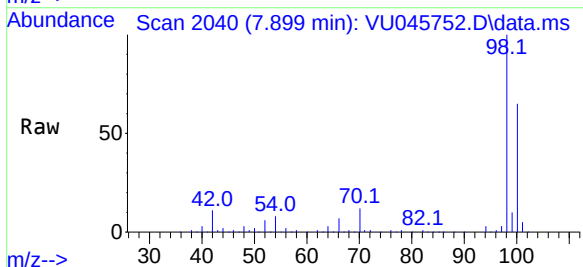
Instrument :  
MSVOA\_U  
ClientSampleId :  
56BR-20211108MS

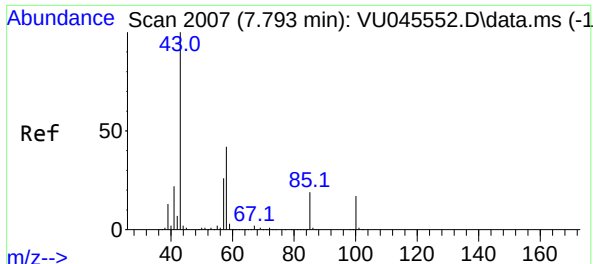
Tgt Ion: 88 Resp: 40479  
Ion Ratio Lower Upper  
88 100  
43 29.7 0.0 0.0#  
58 69.8 58.7 88.1



#50  
Toluene-d8  
Concen: 60.422 ug/l  
RT: 7.899 min Scan# 2040  
Delta R.T. 0.000 min  
Lab File: VU045752.D  
Acq: 11 Nov 2021 20:28

Tgt Ion: 98 Resp: 256975  
Ion Ratio Lower Upper  
98 100  
100 65.6 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 285.743 ug/l

RT: 7.793 min Scan# 2007

Delta R.T. 0.000 min

Lab File: VU045752.D

Acq: 11 Nov 2021 20:28

Instrument :

MSVOA\_U

ClientSampleId :

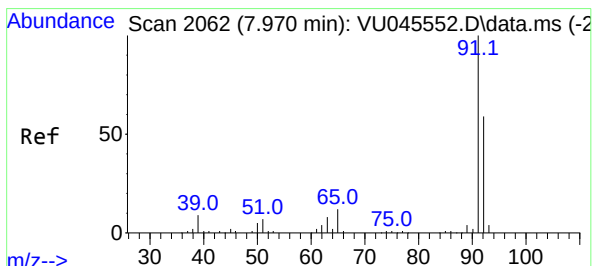
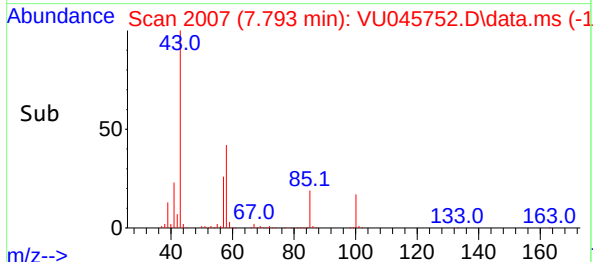
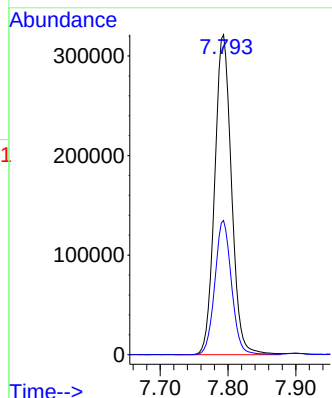
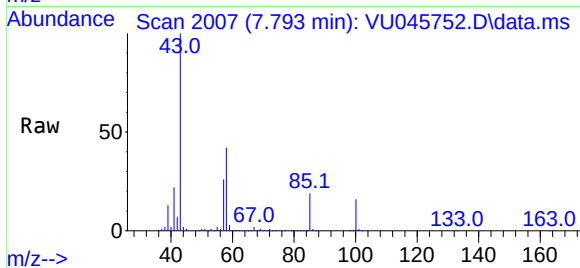
56BR-20211108MS

Tgt Ion: 43 Resp: 553204

Ion Ratio Lower Upper

43 100

58 41.6 33.8 50.8



#52

Toluene

Concen: 52.659 ug/l

RT: 7.970 min Scan# 2062

Delta R.T. 0.000 min

Lab File: VU045752.D

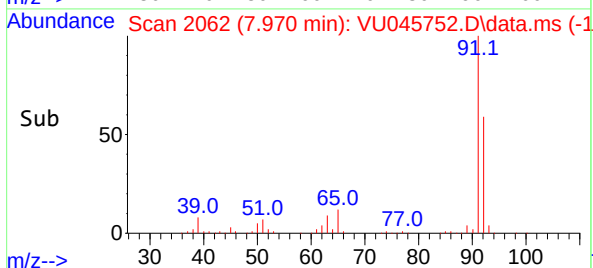
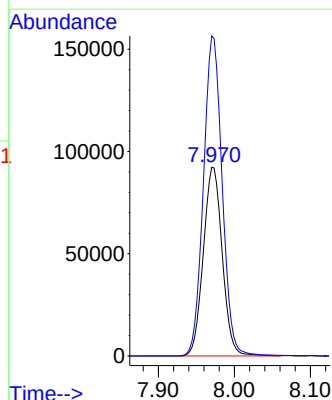
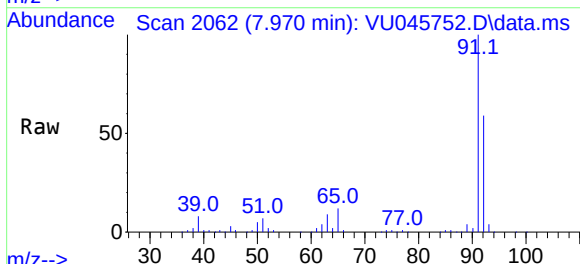
Acq: 11 Nov 2021 20:28

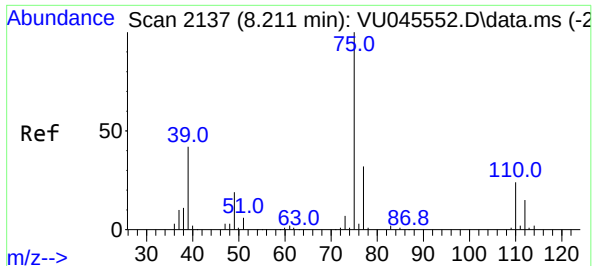
Tgt Ion: 92 Resp: 159435

Ion Ratio Lower Upper

92 100

91 168.2 135.6 203.4





#53

t-1,3-Dichloropropene

Concen: 50.371 ug/l

RT: 8.211 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VU045752.D

Acq: 11 Nov 2021 20:28

Instrument :

MSVOA\_U

ClientSampleId :

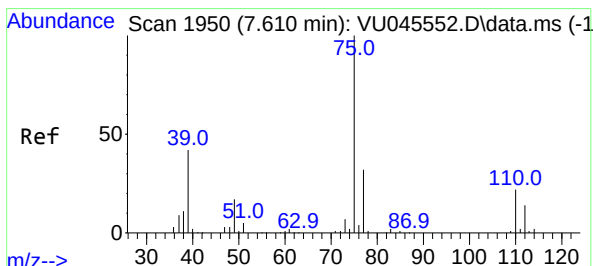
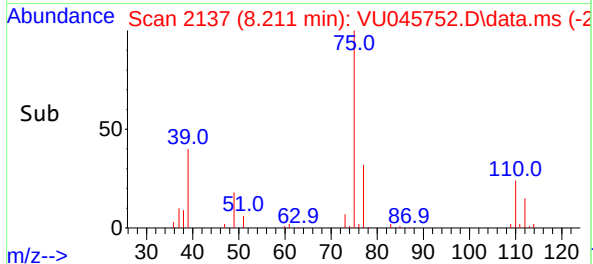
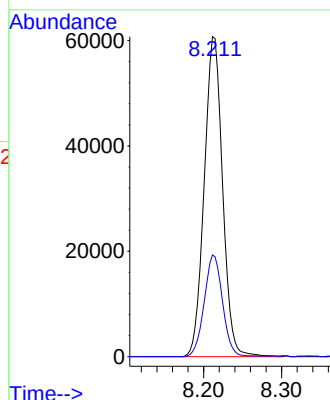
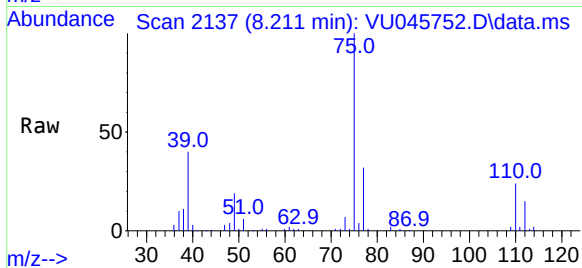
56BR-20211108MS

Tgt Ion: 75 Resp: 99593

Ion Ratio Lower Upper

75 100

77 31.8 25.8 38.8



#54

cis-1,3-Dichloropropene

Concen: 52.289 ug/l

RT: 7.610 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VU045752.D

Acq: 11 Nov 2021 20:28

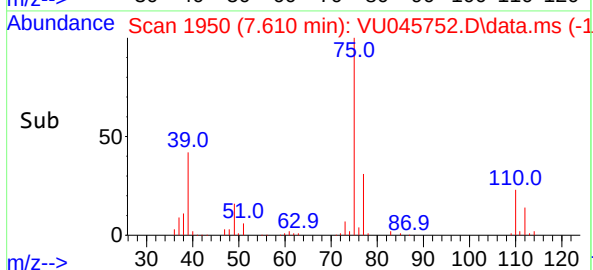
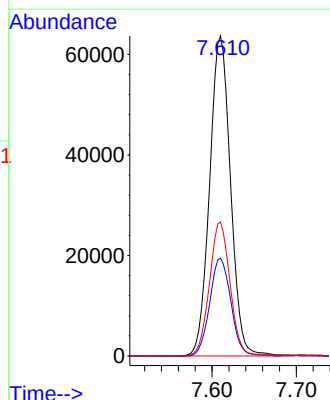
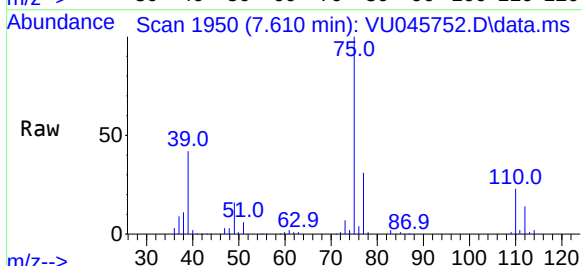
Tgt Ion: 75 Resp: 109811

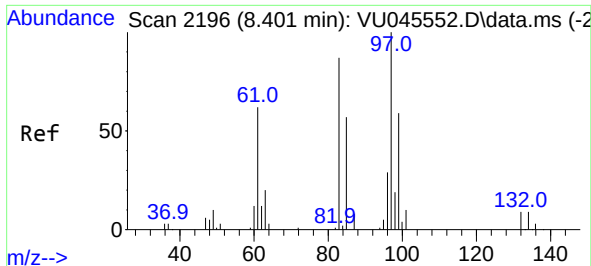
Ion Ratio Lower Upper

75 100

77 30.6 24.6 37.0

39 41.8 37.1 55.7

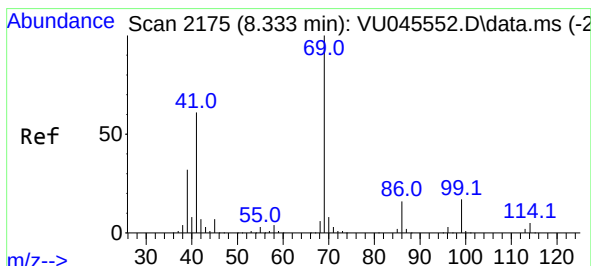
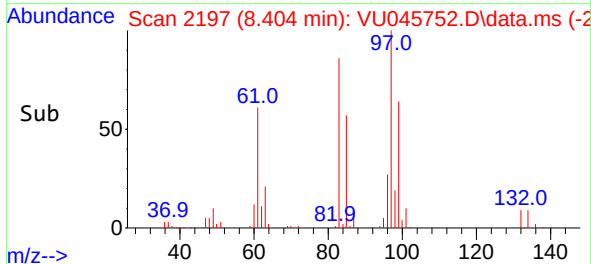
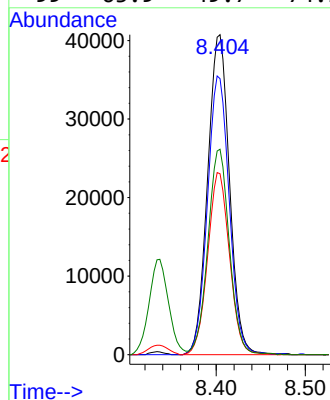
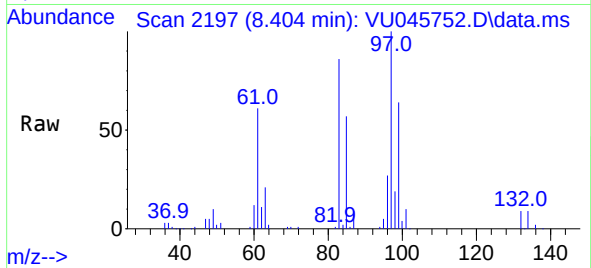




#55  
1,1,2-Trichloroethane  
Concen: 55.298 ug/l  
RT: 8.404 min Scan# 2196  
Delta R.T. 0.003 min  
Lab File: VU045752.D  
Acq: 11 Nov 2021 20:28

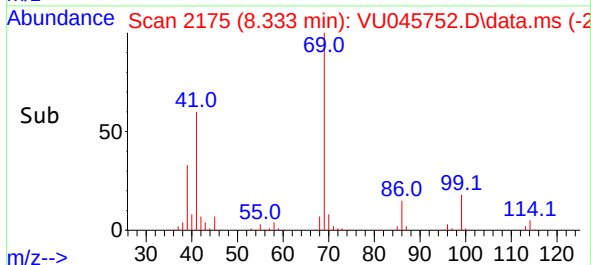
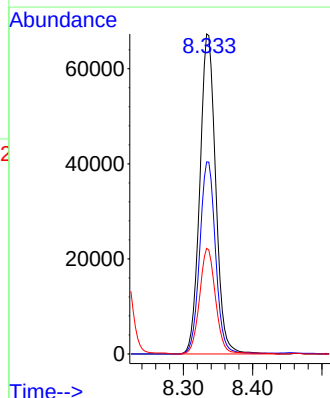
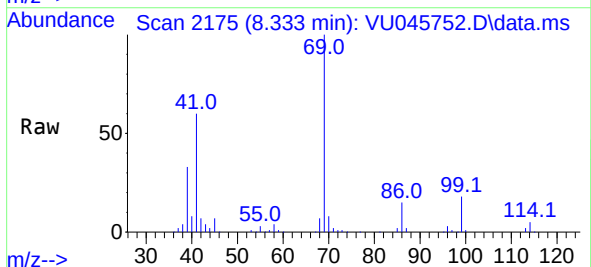
Instrument :  
MSVOA\_U  
ClientSampleId :  
56BR-20211108MS

|             |             |
|-------------|-------------|
| Tgt Ion: 97 | Resp: 69390 |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 83 86.2     | 70.3 105.5  |
| 85 56.5     | 45.5 68.3   |
| 99 63.9     | 49.7 74.5   |

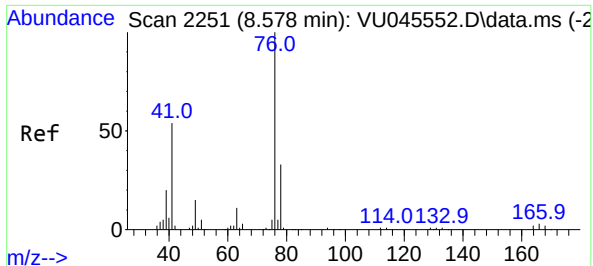


#56  
Ethyl methacrylate  
Concen: 47.666 ug/l  
RT: 8.333 min Scan# 2175  
Delta R.T. 0.000 min  
Lab File: VU045752.D  
Acq: 11 Nov 2021 20:28

|             |              |
|-------------|--------------|
| Tgt Ion: 69 | Resp: 107016 |
| Ion Ratio   | Lower Upper  |
| 69 100      |              |
| 41 60.0     | 51.0 76.4    |
| 39 33.5     | 26.6 39.8    |







#57

1,3-Dichloropropane

Concen: 53.334 ug/l

RT: 8.578 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU045752.D

Acq: 11 Nov 2021 20:28

Instrument :

MSVOA\_U

ClientSampleId :

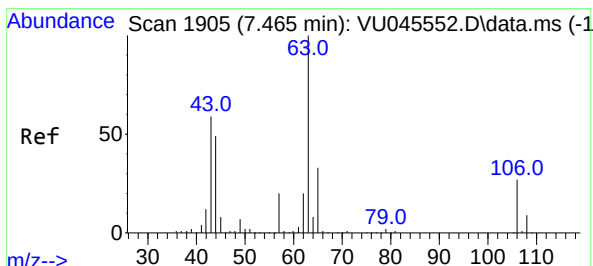
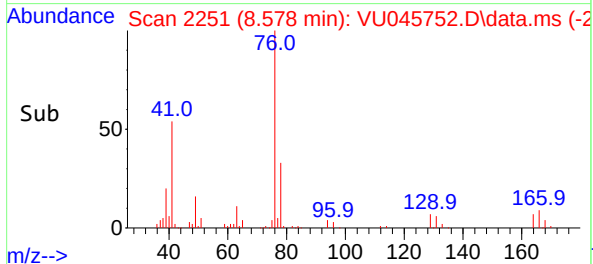
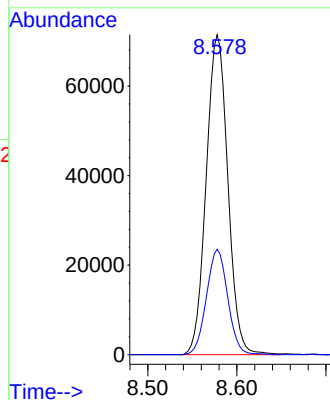
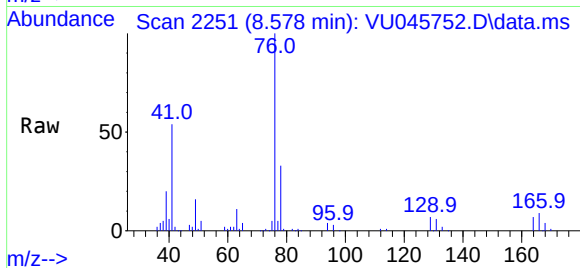
56BR-20211108MS

Tgt Ion: 76 Resp: 120540

Ion Ratio Lower Upper

76 100

78 32.4 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 228.856 ug/l

RT: 7.465 min Scan# 1905

Delta R.T. 0.000 min

Lab File: VU045752.D

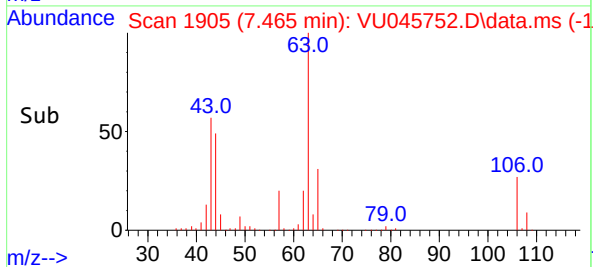
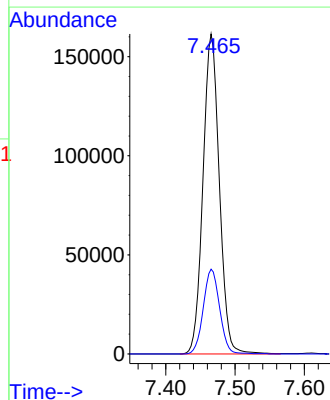
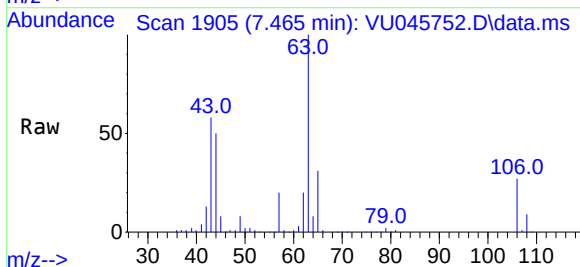
Acq: 11 Nov 2021 20:28

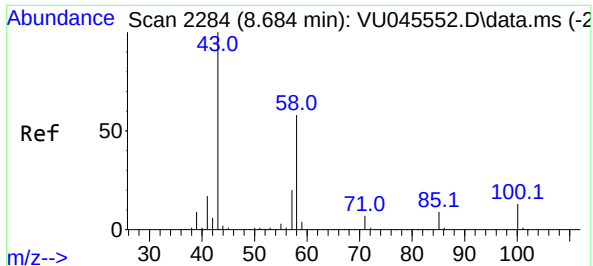
Tgt Ion: 63 Resp: 264384

Ion Ratio Lower Upper

63 100

106 26.5 21.0 31.4





#59

2-Hexanone

Concen: 249.354 ug/l

RT: 8.684 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU045752.D

Acq: 11 Nov 2021 20:28

Instrument :

MSVOA\_U

ClientSampleId :

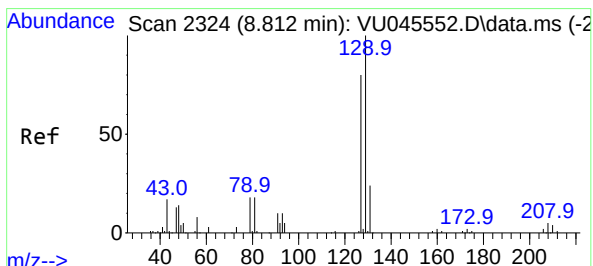
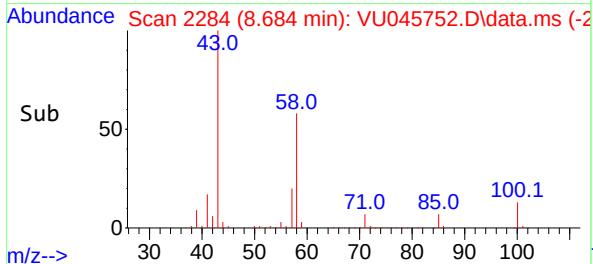
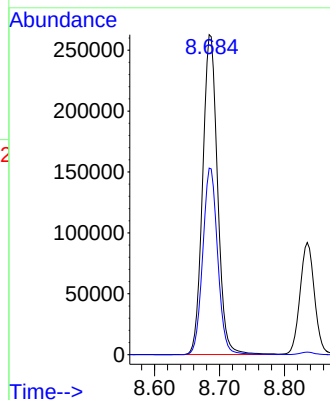
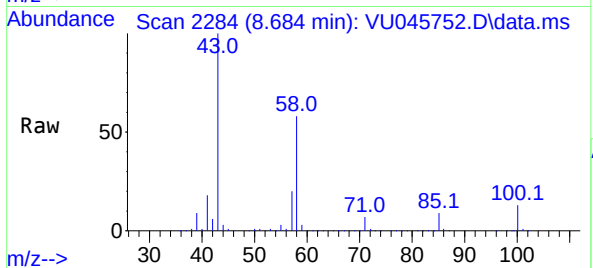
56BR-20211108MS

Tgt Ion: 43 Resp: 420026

Ion Ratio Lower Upper

43 100

58 58.4 29.5 88.6



#60

Dibromochloromethane

Concen: 55.646 ug/l

RT: 8.813 min Scan# 2324

Delta R.T. 0.000 min

Lab File: VU045752.D

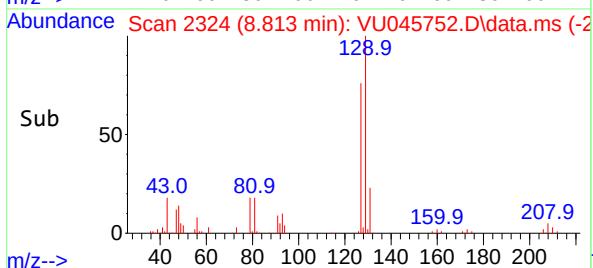
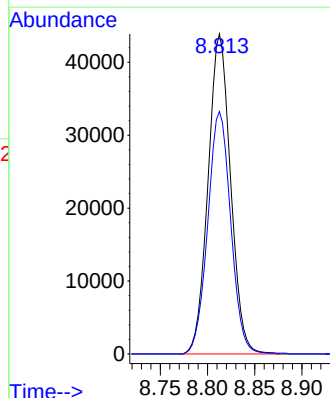
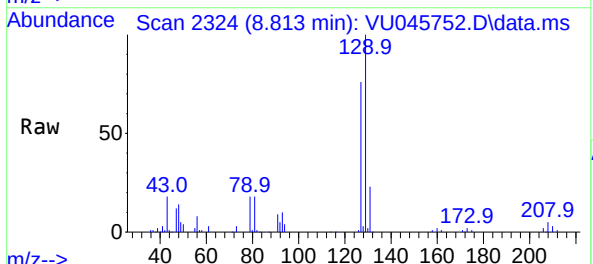
Acq: 11 Nov 2021 20:28

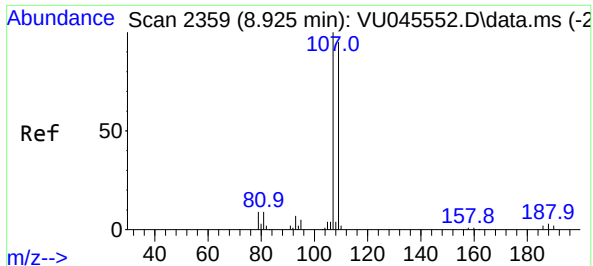
Tgt Ion:129 Resp: 72710

Ion Ratio Lower Upper

129 100

127 77.4 38.5 115.3

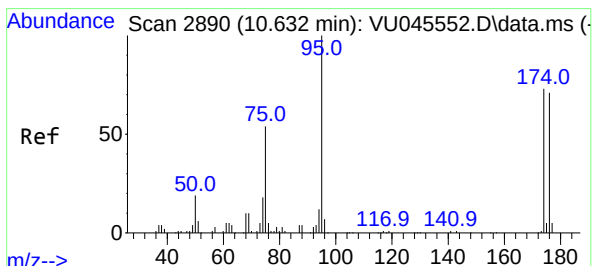
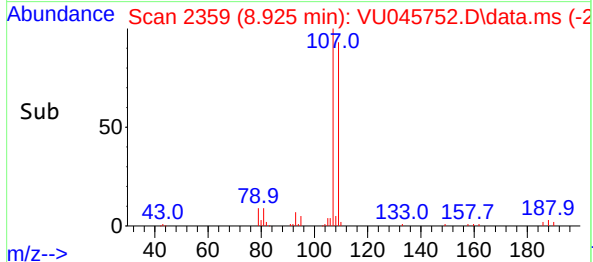
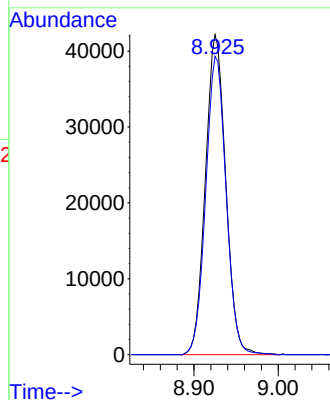
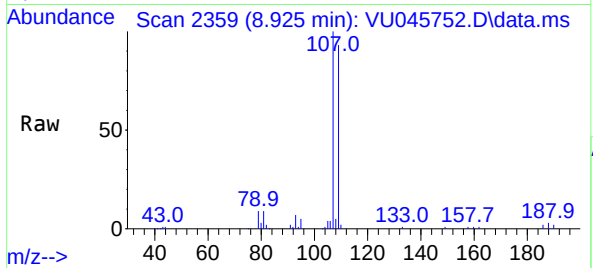




#61  
1,2-Dibromoethane  
Concen: 52.713 ug/l  
RT: 8.925 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VU045752.D  
Acq: 11 Nov 2021 20:28

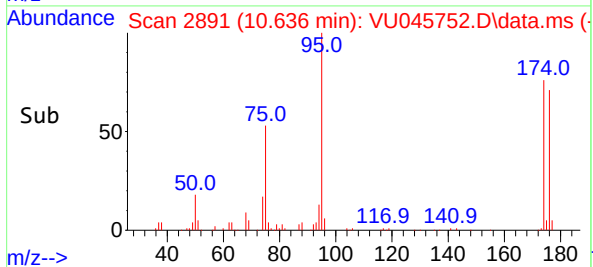
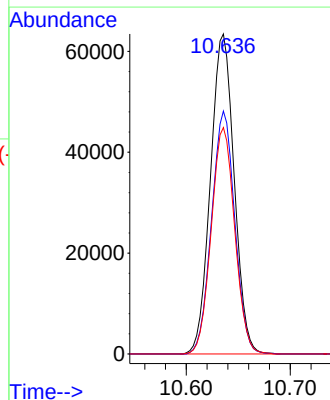
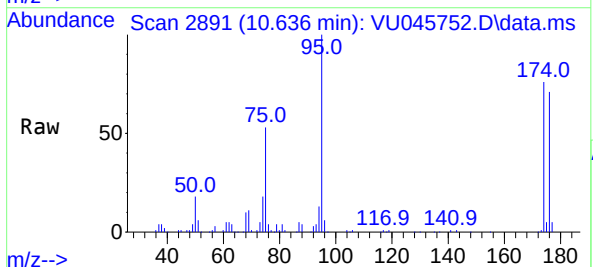
Instrument :  
MSVOA\_U  
ClientSampleId :  
56BR-20211108MS

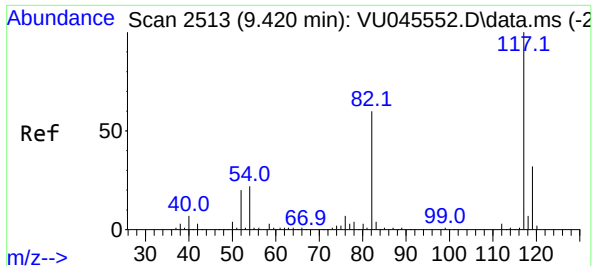
Tgt Ion:107 Resp: 70943  
Ion Ratio Lower Upper  
107 100  
109 93.3 75.8 113.8



#62  
4-Bromofluorobenzene  
Concen: 58.891 ug/l  
RT: 10.636 min Scan# 2891  
Delta R.T. 0.003 min  
Lab File: VU045752.D  
Acq: 11 Nov 2021 20:28

Tgt Ion: 95 Resp: 100434  
Ion Ratio Lower Upper  
95 100  
174 74.5 0.0 141.8  
176 70.2 0.0 138.2

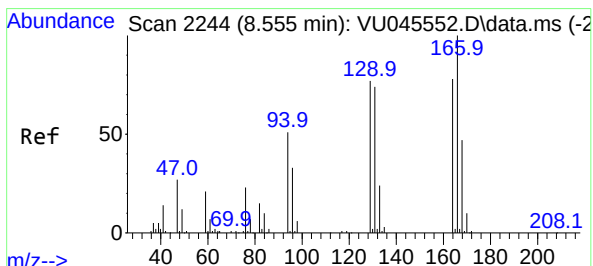
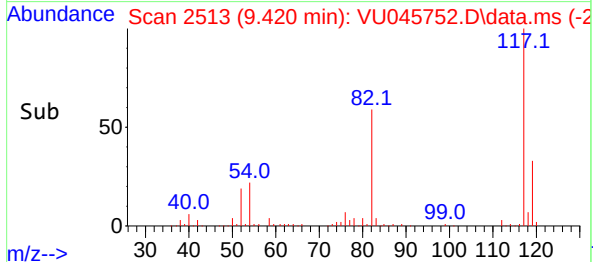
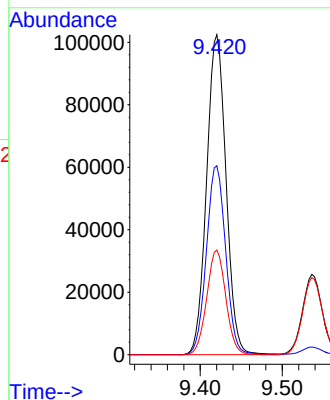
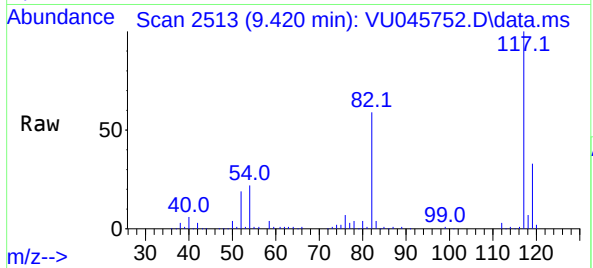




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.420 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VU045752.D  
Acq: 11 Nov 2021 20:28

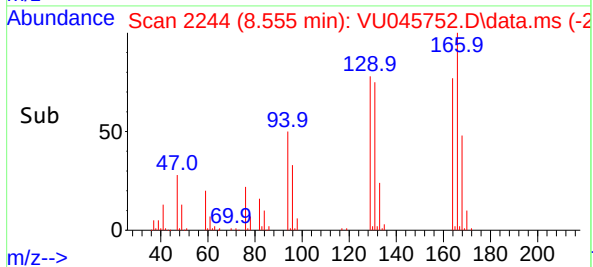
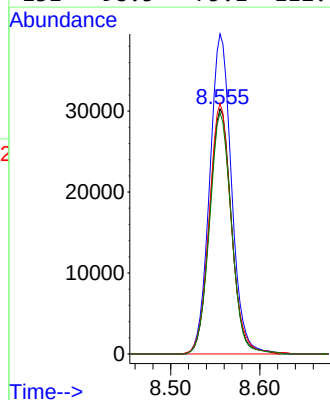
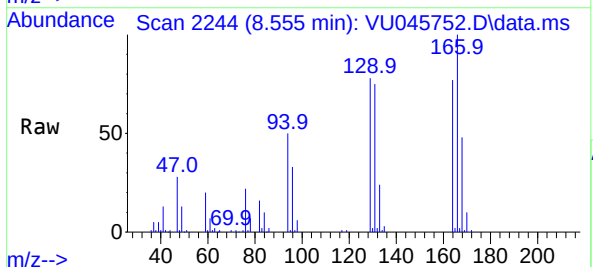
Instrument :  
MSVOA\_U  
ClientSampleId :  
56BR-20211108MS

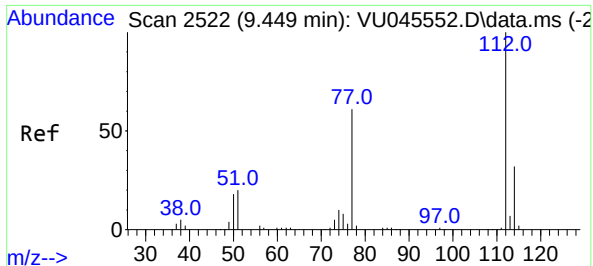
Tgt Ion:117 Resp: 168564  
Ion Ratio Lower Upper  
117 100  
82 59.1 47.8 71.8  
119 32.7 25.8 38.8



#64  
Tetrachloroethene  
Concen: 53.940 ug/l  
RT: 8.555 min Scan# 2244  
Delta R.T. 0.000 min  
Lab File: VU045752.D  
Acq: 11 Nov 2021 20:28

Tgt Ion:164 Resp: 52186  
Ion Ratio Lower Upper  
164 100  
166 130.6 102.2 153.4  
129 102.3 78.2 117.4  
131 98.5 75.1 112.7

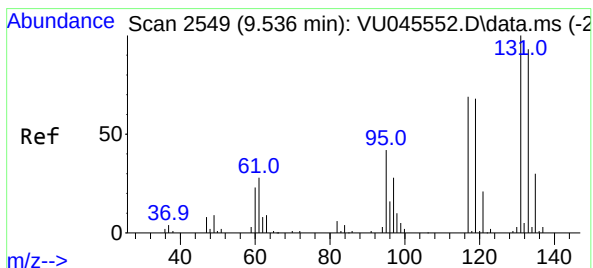
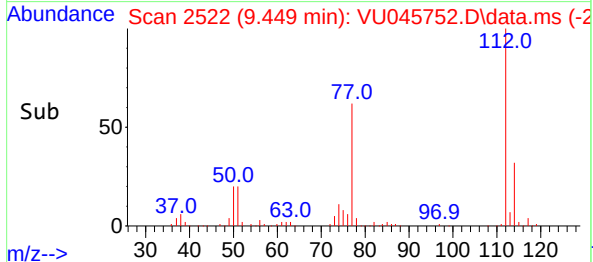
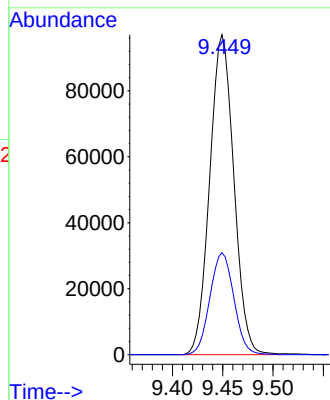
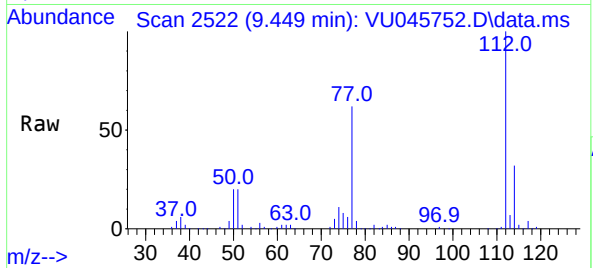




#65  
Chlorobenzene  
Concen: 48.981 ug/l  
RT: 9.449 min Scan# 2522  
Delta R.T. 0.000 min  
Lab File: VU045752.D  
Acq: 11 Nov 2021 20:28

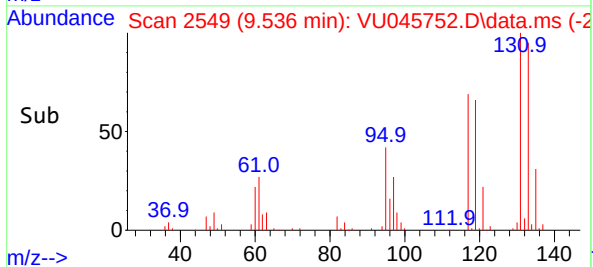
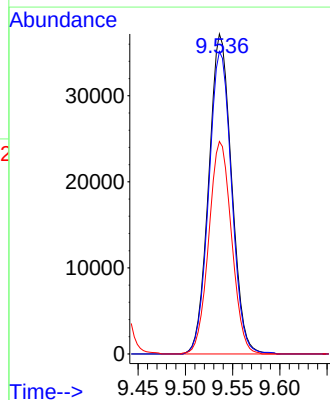
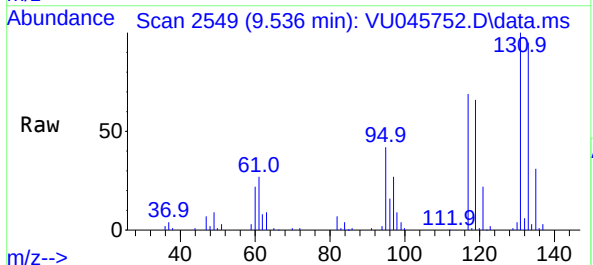
Instrument :  
MSVOA\_U  
ClientSampleId :  
56BR-20211108MS

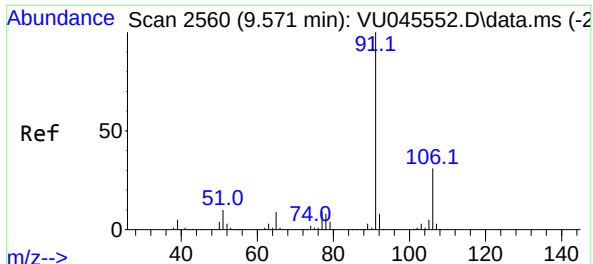
Tgt Ion:112 Resp: 162178  
Ion Ratio Lower Upper  
112 100  
114 31.9 25.7 38.5



#66  
1,1,1,2-Tetrachloroethane  
Concen: 52.863 ug/l  
RT: 9.536 min Scan# 2549  
Delta R.T. 0.000 min  
Lab File: VU045752.D  
Acq: 11 Nov 2021 20:28

Tgt Ion:131 Resp: 62425  
Ion Ratio Lower Upper  
131 100  
133 94.5 47.9 143.6  
119 66.3 34.5 103.6





#67

Ethyl Benzene

Concen: 49.928 ug/l

RT: 9.571 min Scan# 2560

Delta R.T. 0.000 min

Lab File: VU045752.D

Acq: 11 Nov 2021 20:28

Instrument :

MSVOA\_U

ClientSampleId :

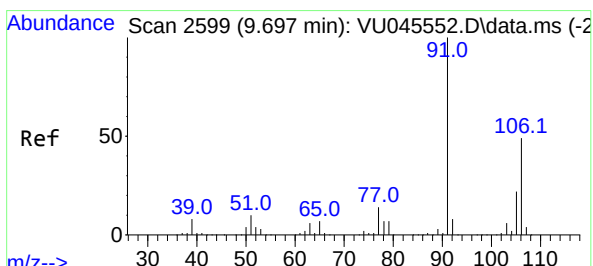
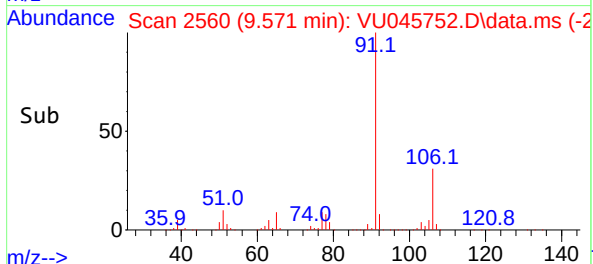
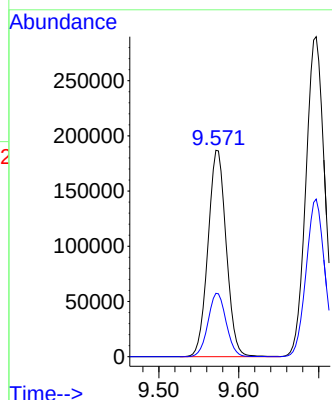
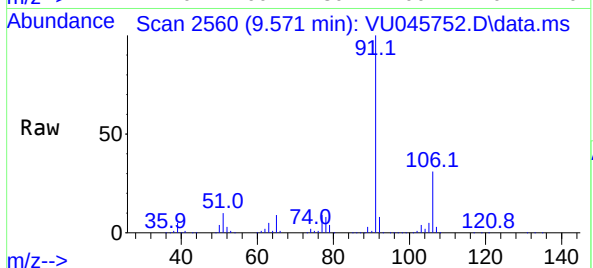
56BR-20211108MS

Tgt Ion: 91 Resp: 296045

Ion Ratio Lower Upper

91 100

106 30.7 24.6 36.8



#68

m/p-Xylenes

Concen: 103.281 ug/l

RT: 9.697 min Scan# 2599

Delta R.T. 0.000 min

Lab File: VU045752.D

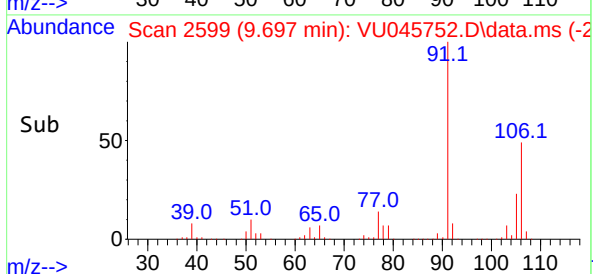
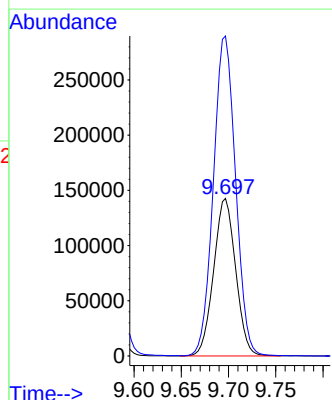
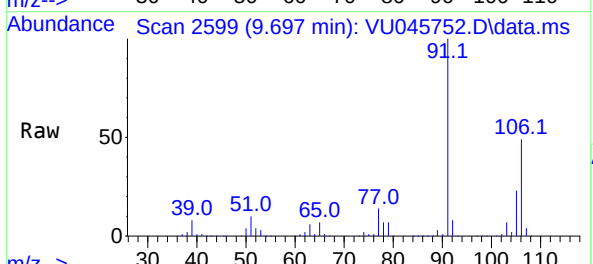
Acq: 11 Nov 2021 20:28

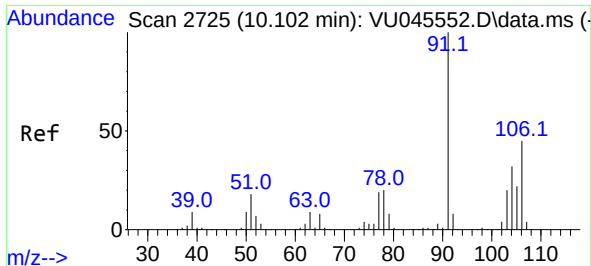
Tgt Ion:106 Resp: 230956

Ion Ratio Lower Upper

106 100

91 205.0 164.7 247.1

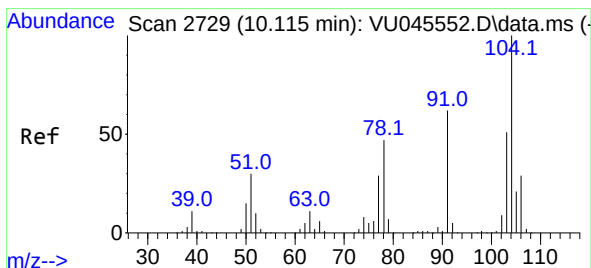
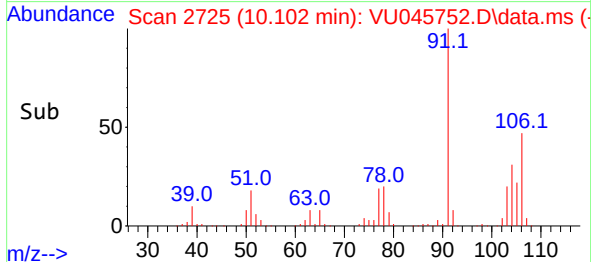
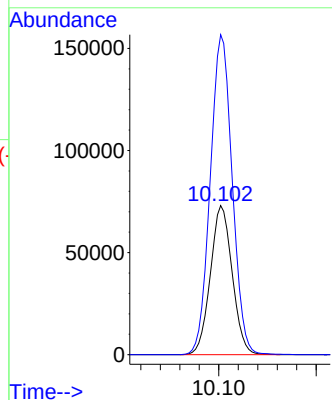
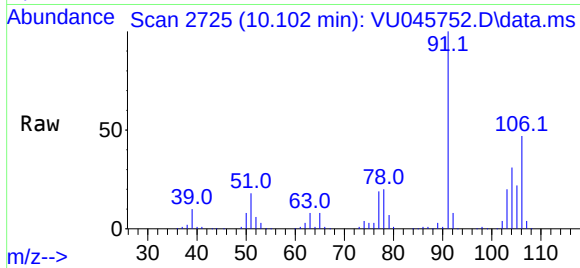




#69  
o-Xylene  
Concen: 52.207 ug/l  
RT: 10.102 min Scan# 2725  
Delta R.T. 0.000 min  
Lab File: VU045752.D  
Acq: 11 Nov 2021 20:28

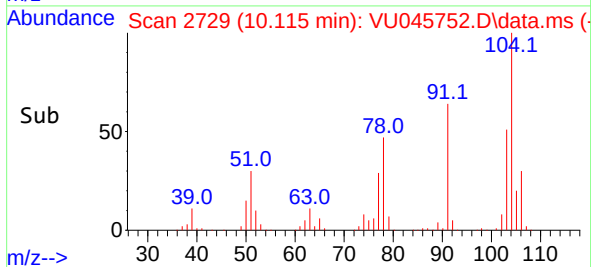
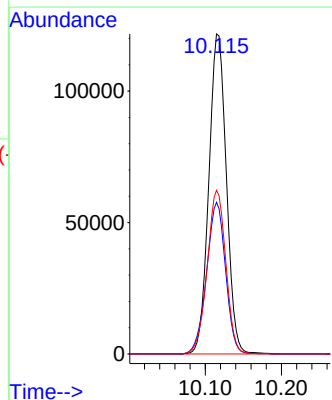
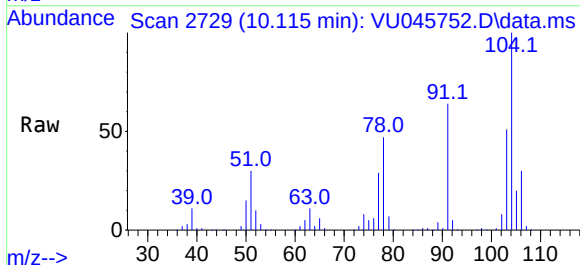
Instrument :  
MSVOA\_U  
ClientSampleId :  
56BR-20211108MS

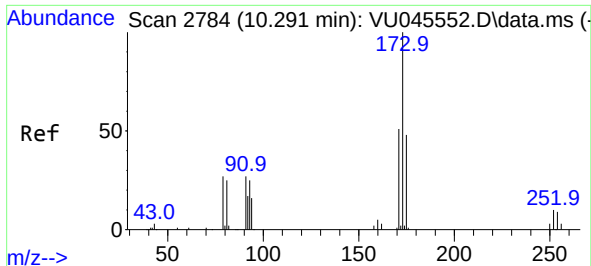
Tgt Ion:106 Resp: 113500  
Ion Ratio Lower Upper  
106 100  
91 216.2 108.7 326.3



#70  
Styrene  
Concen: 53.091 ug/l  
RT: 10.115 min Scan# 2729  
Delta R.T. 0.000 min  
Lab File: VU045752.D  
Acq: 11 Nov 2021 20:28

Tgt Ion:104 Resp: 195265  
Ion Ratio Lower Upper  
104 100  
78 51.2 41.8 62.6  
103 54.3 43.8 65.6

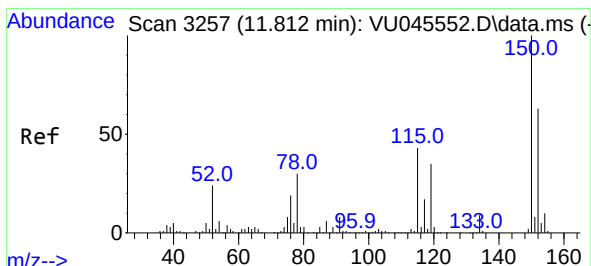
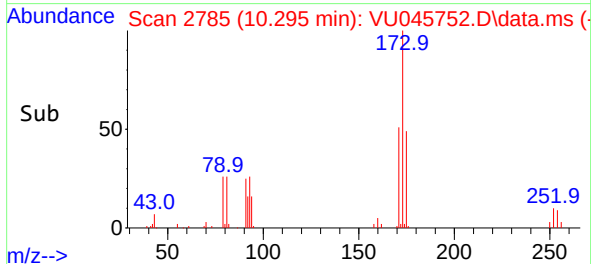
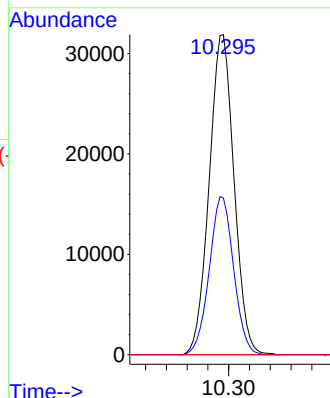
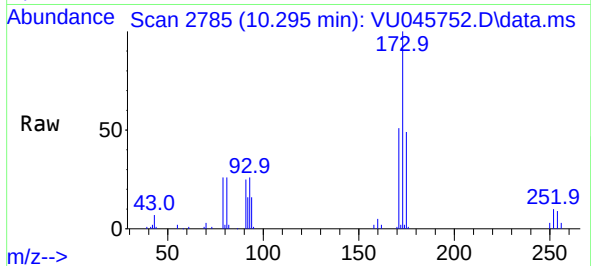




#71  
Bromoform  
Concen: 47.431 ug/l  
RT: 10.295 min Scan# 21  
Delta R.T. 0.004 min  
Lab File: VU045752.D  
Acq: 11 Nov 2021 20:28

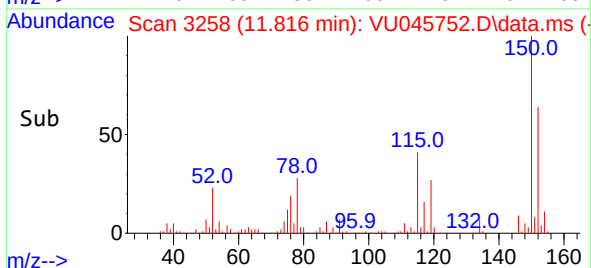
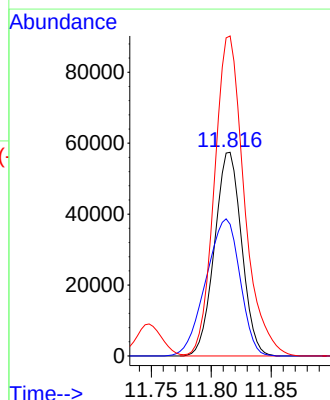
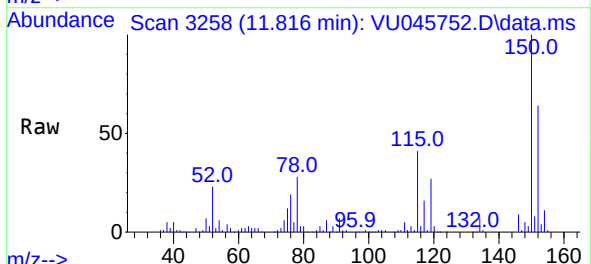
Instrument :  
MSVOA\_U  
ClientSampleId :  
56BR-20211108MS

Tgt Ion:173 Resp: 52824  
Ion Ratio Lower Upper  
173 100  
175 48.4 24.1 72.2  
254 0.0 0.0 0.0

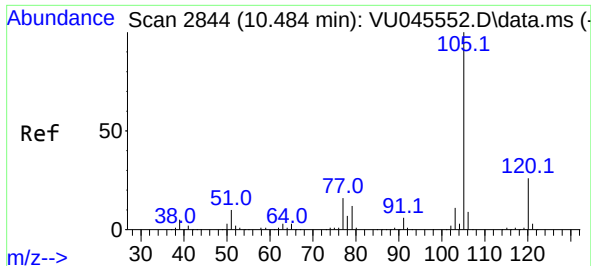


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 11.816 min Scan# 3258  
Delta R.T. 0.003 min  
Lab File: VU045752.D  
Acq: 11 Nov 2021 20:28

Tgt Ion:152 Resp: 90180  
Ion Ratio Lower Upper  
152 100  
115 84.5 42.7 128.1  
150 172.9 0.0 346.8



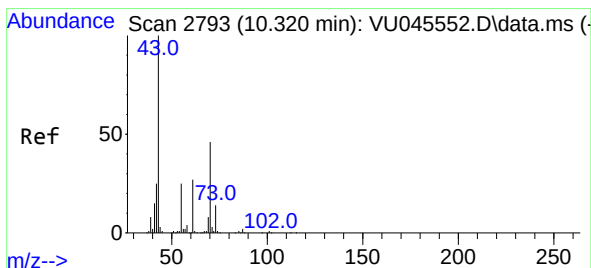
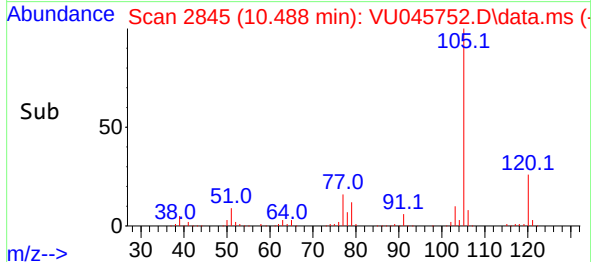
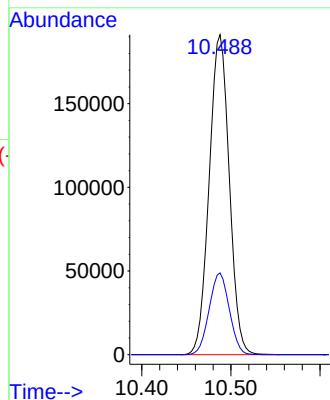
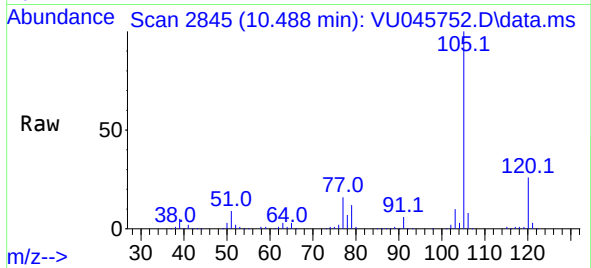




#73  
Isopropylbenzene  
Concen: 50.660 ug/l  
RT: 10.488 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VU045752.D  
Acq: 11 Nov 2021 20:28

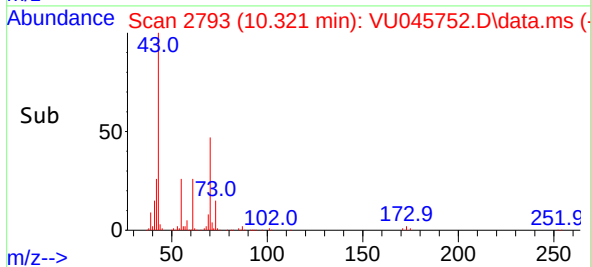
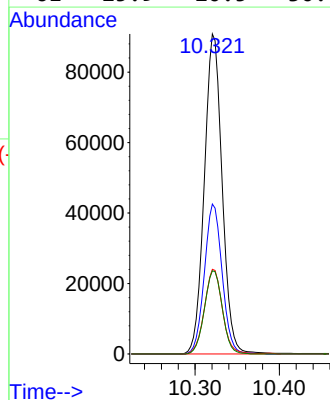
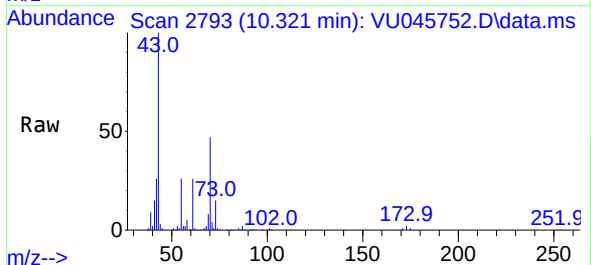
Instrument :  
MSVOA\_U  
ClientSampleId :  
56BR-20211108MS

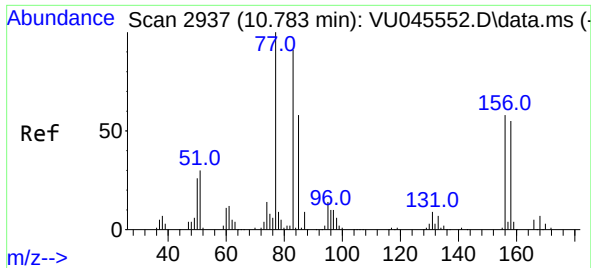
Tgt Ion:105 Resp: 298501  
Ion Ratio Lower Upper  
105 100  
120 25.6 12.9 38.6



#74  
N-amy1 acetate  
Concen: 50.418 ug/l  
RT: 10.321 min Scan# 2793  
Delta R.T. 0.000 min  
Lab File: VU045752.D  
Acq: 11 Nov 2021 20:28

Tgt Ion: 43 Resp: 134019  
Ion Ratio Lower Upper  
43 100  
70 46.7 36.9 55.3  
55 26.7 20.6 31.0  
61 25.9 20.5 30.7

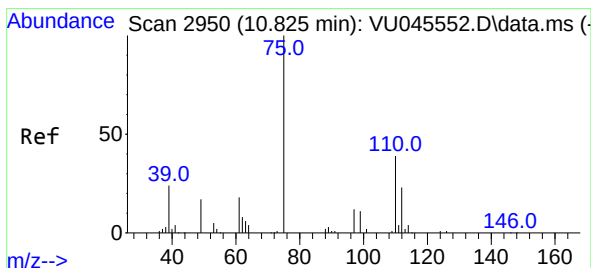
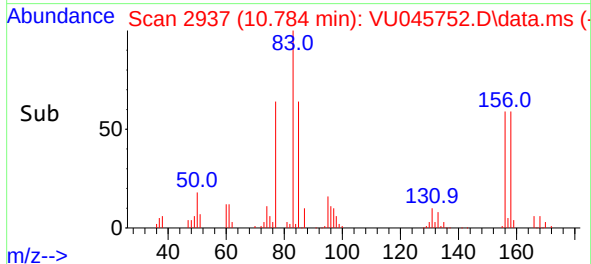
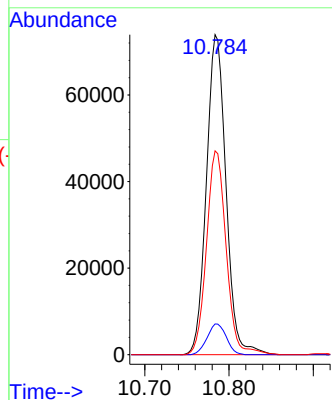
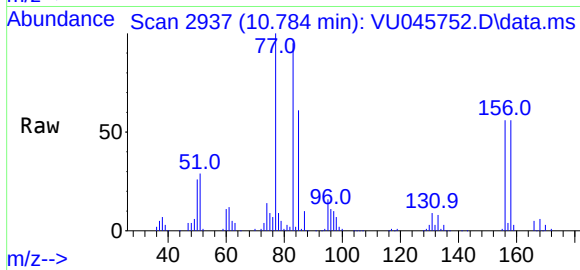




#75  
1,1,2,2-Tetrachloroethane  
Concen: 51.229 ug/l  
RT: 10.784 min Scan# 2937  
Delta R.T. 0.000 min  
Lab File: VU045752.D  
Acq: 11 Nov 2021 20:28

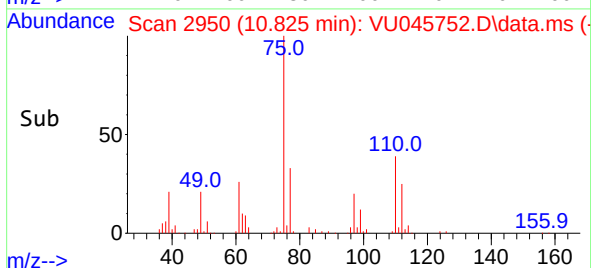
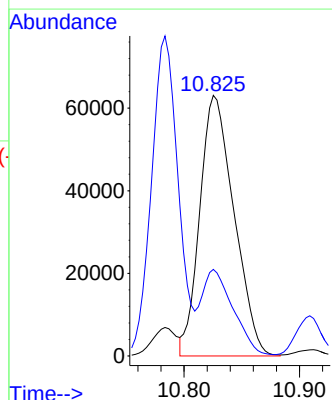
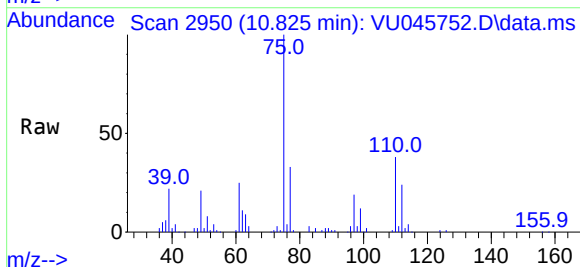
Instrument :  
MSVOA\_U  
ClientSampleId :  
56BR-20211108MS

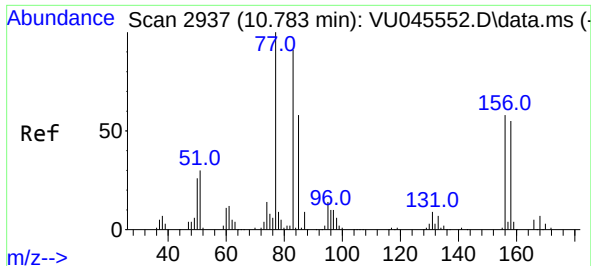
Tgt Ion: 83 Resp: 119595  
Ion Ratio Lower Upper  
83 100  
131 9.4 4.4 13.2  
85 64.0 31.9 95.9



#76  
1,2,3-Trichloropropane  
Concen: 47.519 ug/l  
RT: 10.825 min Scan# 2950  
Delta R.T. 0.000 min  
Lab File: VU045752.D  
Acq: 11 Nov 2021 20:28

Tgt Ion: 75 Resp: 129953  
Ion Ratio Lower Upper  
75 100  
77 30.6 17.1 51.3

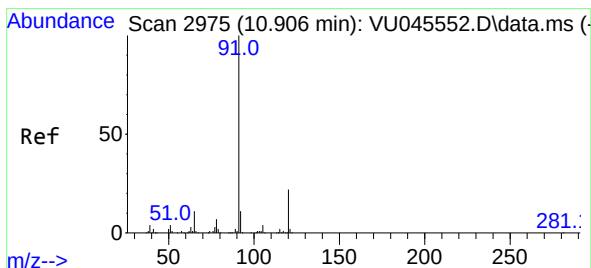
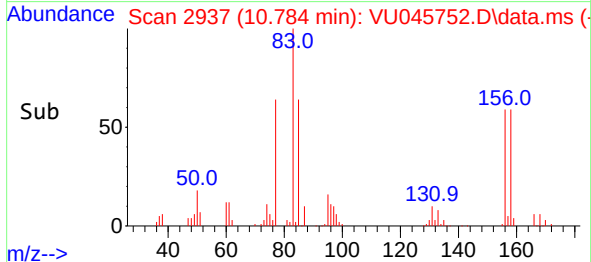
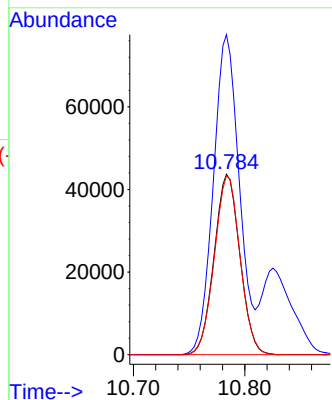
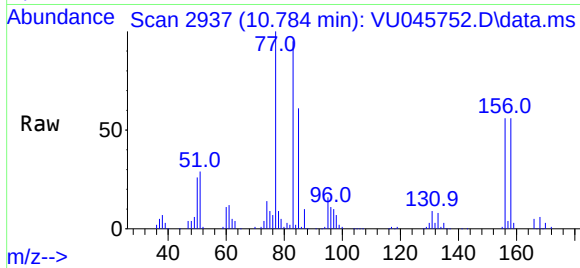




#77  
Bromobenzene  
Concen: 49.111 ug/l  
RT: 10.784 min Scan# 2937  
Delta R.T. 0.000 min  
Lab File: VU045752.D  
Acq: 11 Nov 2021 20:28

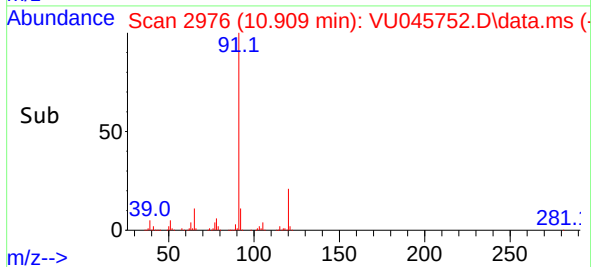
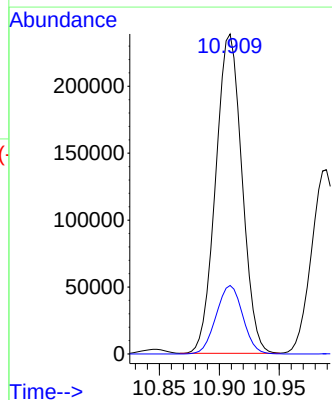
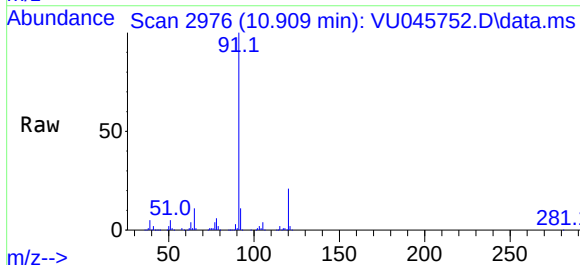
Instrument :  
MSVOA\_U  
ClientSampleId :  
56BR-20211108MS

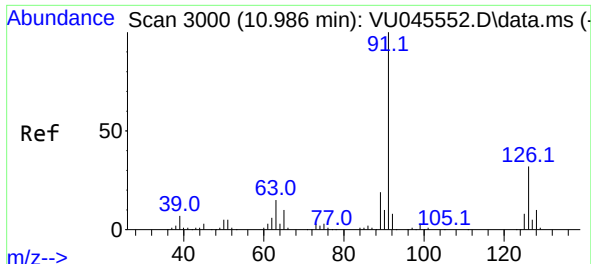
Tgt Ion:156 Resp: 70258  
Ion Ratio Lower Upper  
156 100  
77 178.4 91.1 273.4  
158 98.7 47.9 143.6



#78  
n-propylbenzene  
Concen: 49.543 ug/l  
RT: 10.909 min Scan# 2976  
Delta R.T. 0.003 min  
Lab File: VU045752.D  
Acq: 11 Nov 2021 20:28

Tgt Ion: 91 Resp: 363324  
Ion Ratio Lower Upper  
91 100  
120 21.7 10.9 32.7

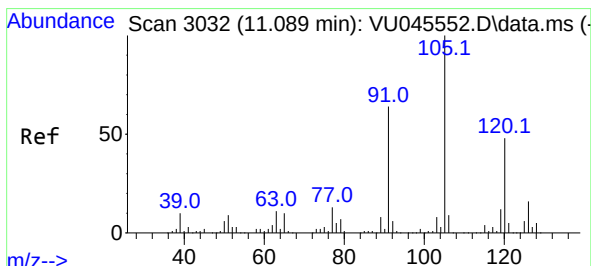
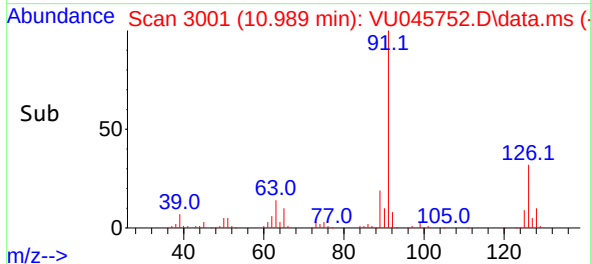
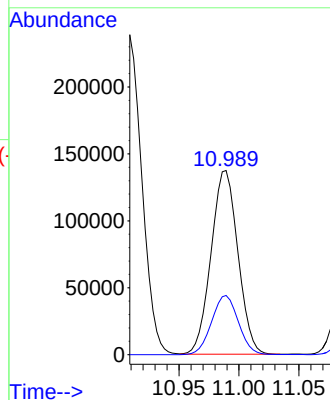
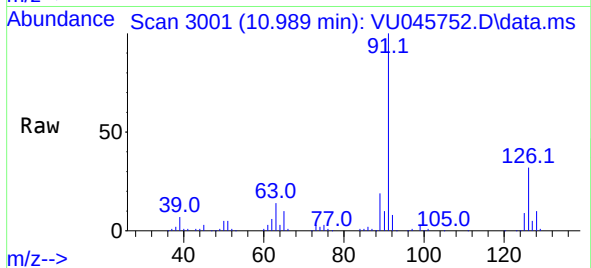




#79  
 2-Chlorotoluene  
 Concen: 49.283 ug/l  
 RT: 10.989 min Scan# 3001  
 Delta R.T. 0.003 min  
 Lab File: VU045752.D  
 Acq: 11 Nov 2021 20:28

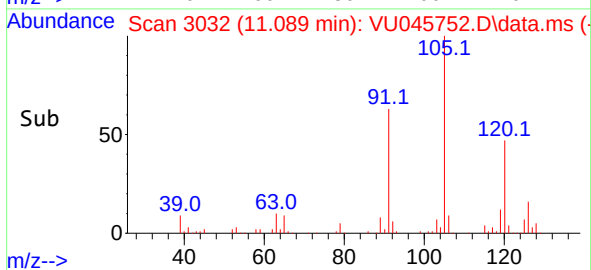
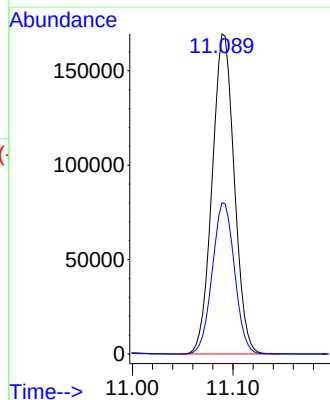
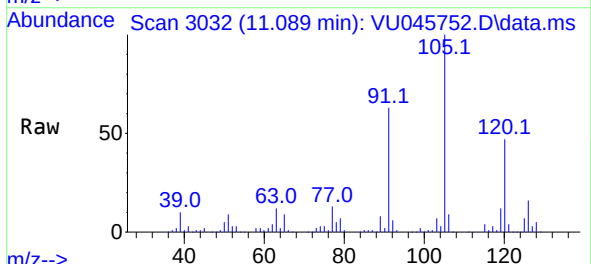
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 56BR-20211108MS

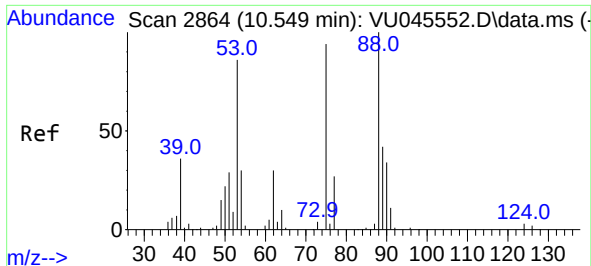
Tgt Ion: 91 Resp: 213529  
 Ion Ratio Lower Upper  
 91 100  
 126 32.2 15.6 46.8



#80  
 1,3,5-Trimethylbenzene  
 Concen: 50.283 ug/l  
 RT: 11.089 min Scan# 3032  
 Delta R.T. 0.000 min  
 Lab File: VU045752.D  
 Acq: 11 Nov 2021 20:28

Tgt Ion: 105 Resp: 258863  
 Ion Ratio Lower Upper  
 105 100  
 120 47.6 23.9 71.8

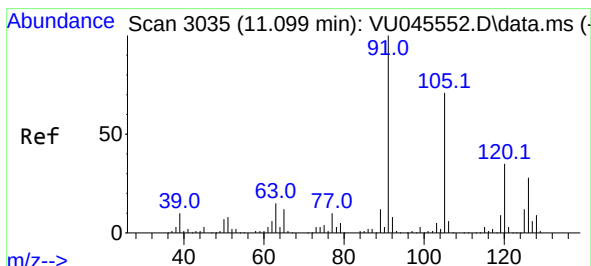
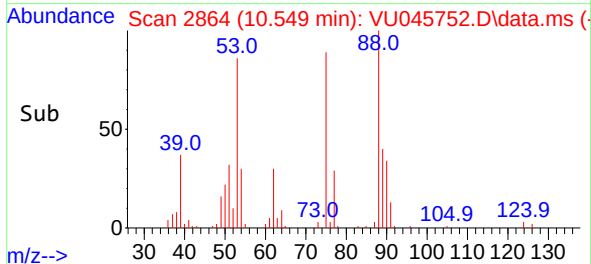
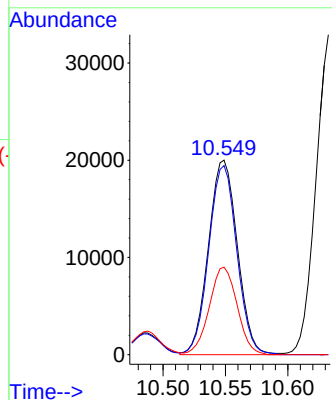
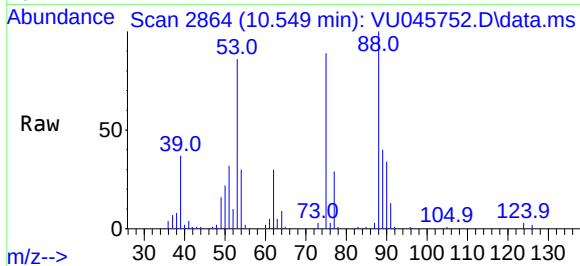




#81  
trans-1,4-Dichloro-2-butene  
Concen: 39.455 ug/l  
RT: 10.549 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VU045752.D  
Acq: 11 Nov 2021 20:28

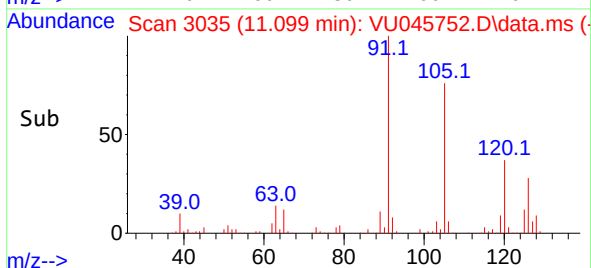
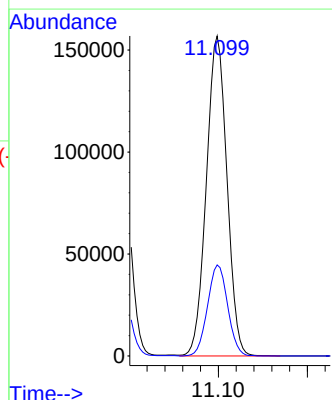
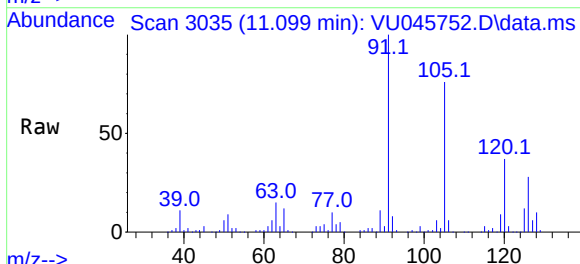
Instrument :  
MSVOA\_U  
ClientSampleId :  
56BR-20211108MS

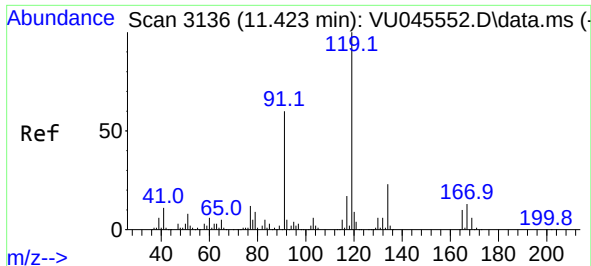
Tgt Ion: 75 Resp: 32377  
Ion Ratio Lower Upper  
75 100  
53 94.5 76.2 114.4  
89 43.3 34.0 51.0



#82  
4-Chlorotoluene  
Concen: 49.514 ug/l  
RT: 11.099 min Scan# 3035  
Delta R.T. 0.000 min  
Lab File: VU045752.D  
Acq: 11 Nov 2021 20:28

Tgt Ion: 91 Resp: 251595  
Ion Ratio Lower Upper  
91 100  
126 27.8 13.8 41.4

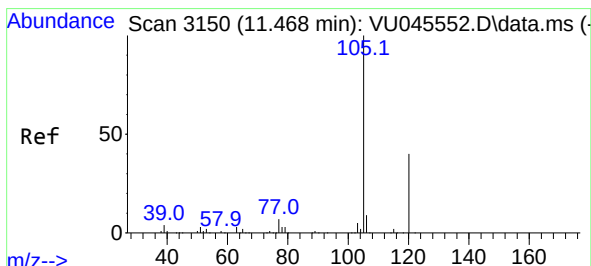
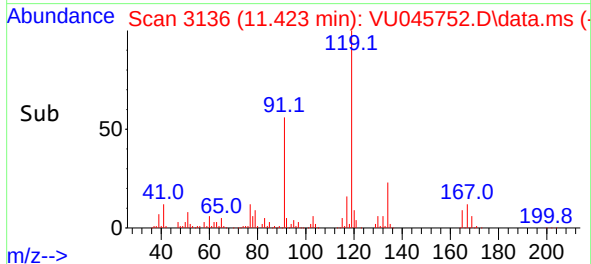
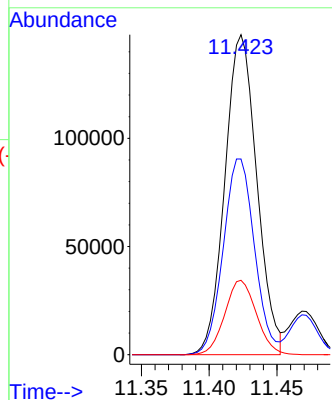
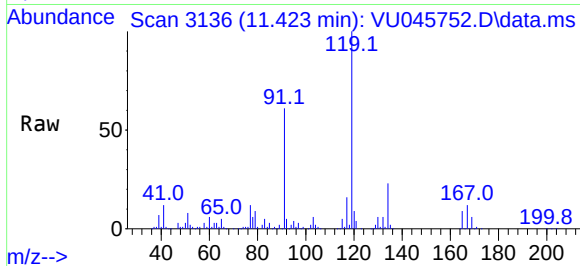




#83  
tert-Butylbenzene  
Concen: 49.484 ug/l  
RT: 11.423 min Scan# 3136  
Delta R.T. 0.000 min  
Lab File: VU045752.D  
Acq: 11 Nov 2021 20:28

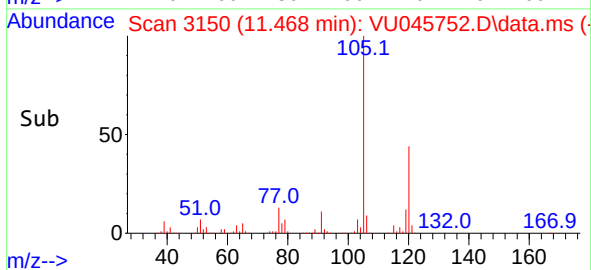
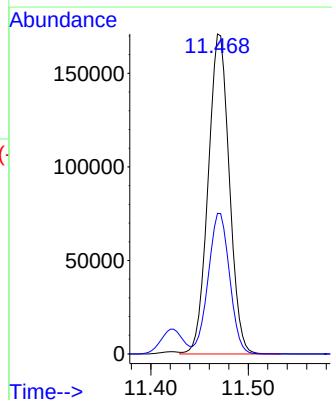
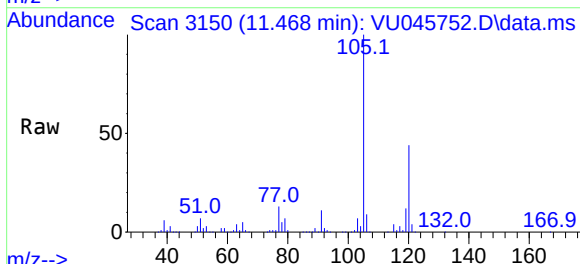
Instrument :  
MSVOA\_U  
ClientSampleId :  
56BR-20211108MS

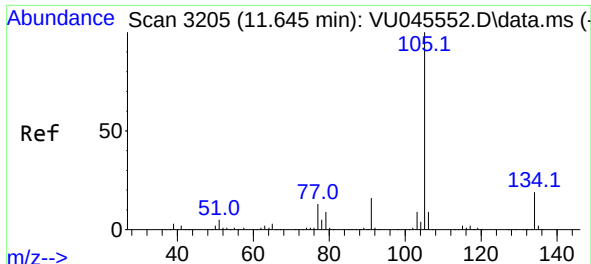
Tgt Ion:119 Resp: 242839  
Ion Ratio Lower Upper  
119 100  
91 60.0 30.5 91.5  
134 23.0 11.5 34.5



#84  
1,2,4-Trimethylbenzene  
Concen: 50.460 ug/l  
RT: 11.468 min Scan# 3150  
Delta R.T. 0.000 min  
Lab File: VU045752.D  
Acq: 11 Nov 2021 20:28

Tgt Ion:105 Resp: 258180  
Ion Ratio Lower Upper  
105 100  
120 44.2 22.2 66.6

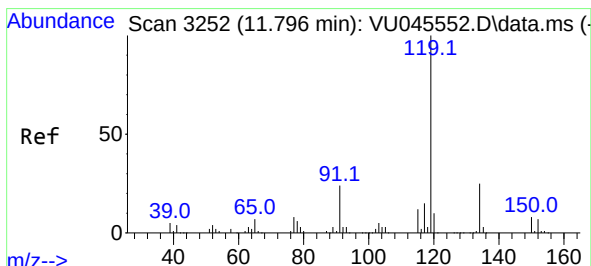
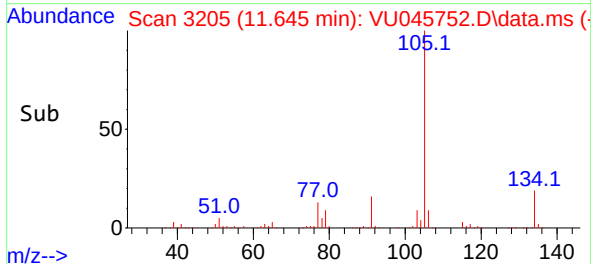
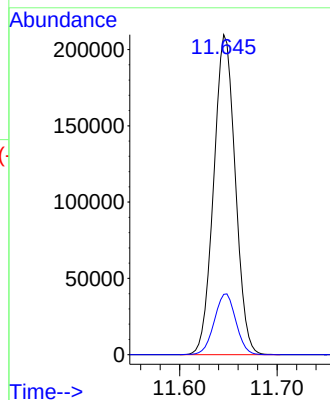
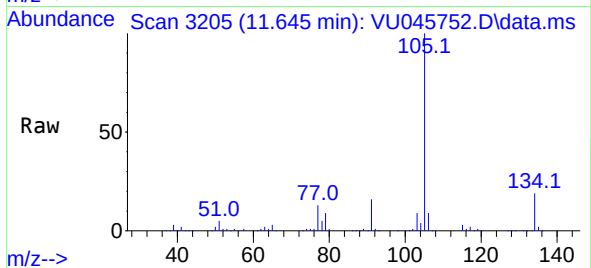




#85  
 sec-Butylbenzene  
 Concen: 49.502 ug/l  
 RT: 11.645 min Scan# 31  
 Delta R.T. 0.000 min  
 Lab File: VU045752.D  
 Acq: 11 Nov 2021 20:28

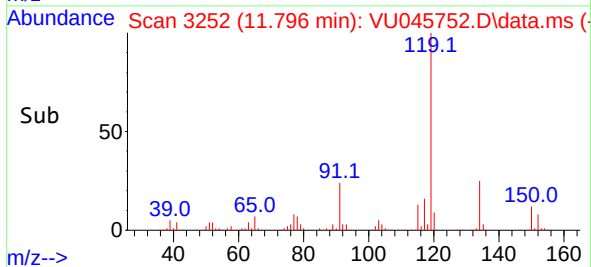
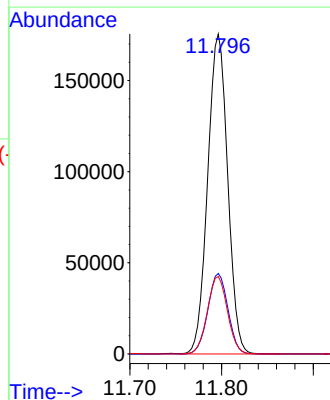
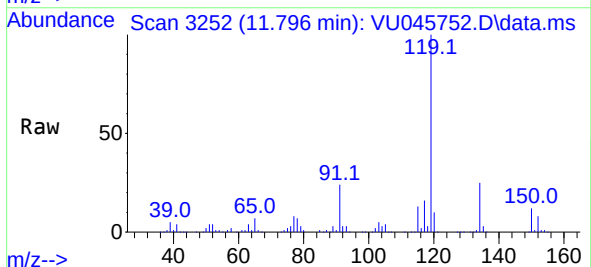
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 56BR-20211108MS

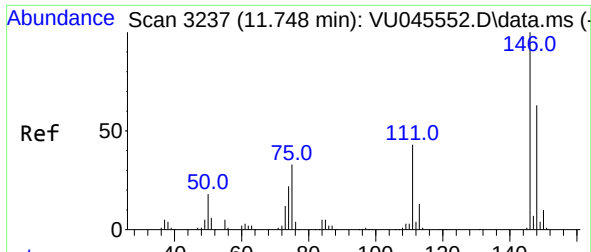
Tgt Ion:105 Resp: 322187  
 Ion Ratio Lower Upper  
 105 100  
 134 19.1 9.4 28.3



#86  
 p-Isopropyltoluene  
 Concen: 48.795 ug/l  
 RT: 11.796 min Scan# 3252  
 Delta R.T. 0.000 min  
 Lab File: VU045752.D  
 Acq: 11 Nov 2021 20:28

Tgt Ion:119 Resp: 265388  
 Ion Ratio Lower Upper  
 119 100  
 134 25.3 12.7 38.1  
 91 24.3 12.2 36.4





#87

1,3-Dichlorobenzene

Concen: 47.273 ug/l

RT: 11.748 min Scan# 3237

Delta R.T. 0.000 min

Lab File: VU045752.D

Acq: 11 Nov 2021 20:28

Instrument :

MSVOA\_U

ClientSampleId :

56BR-20211108MS

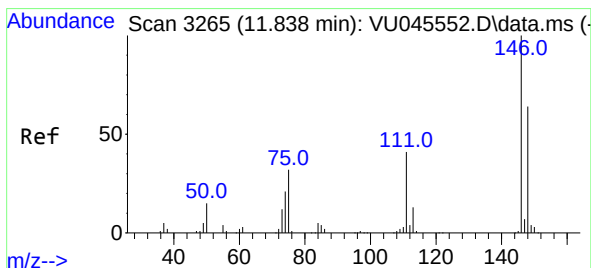
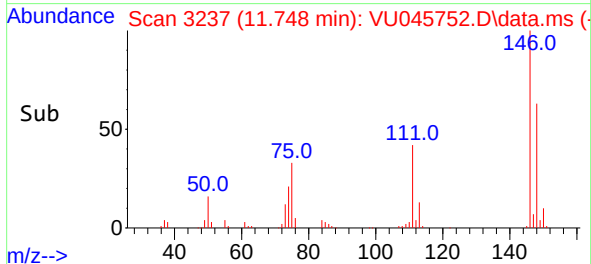
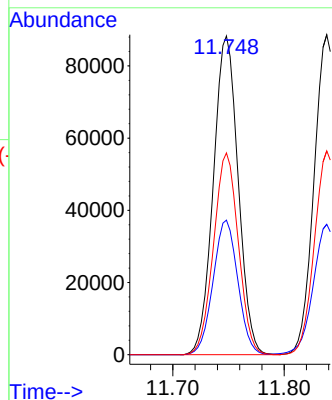
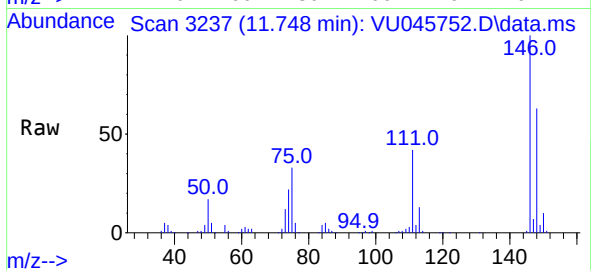
Tgt Ion:146 Resp: 136454

Ion Ratio Lower Upper

146 100

111 42.2 21.3 63.9

148 63.3 31.7 95.1



#88

1,4-Dichlorobenzene

Concen: 47.328 ug/l

RT: 11.838 min Scan# 3265

Delta R.T. 0.000 min

Lab File: VU045752.D

Acq: 11 Nov 2021 20:28

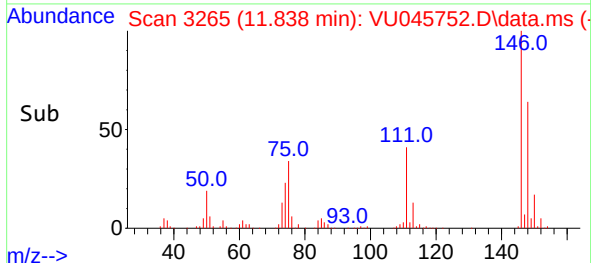
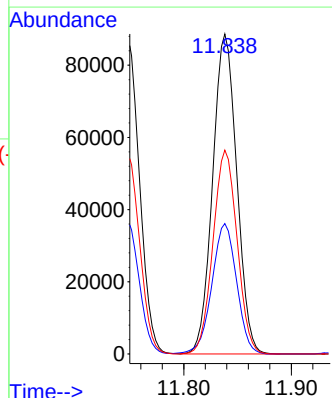
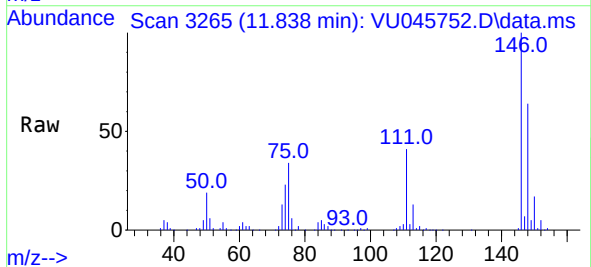
Tgt Ion:146 Resp: 138169

Ion Ratio Lower Upper

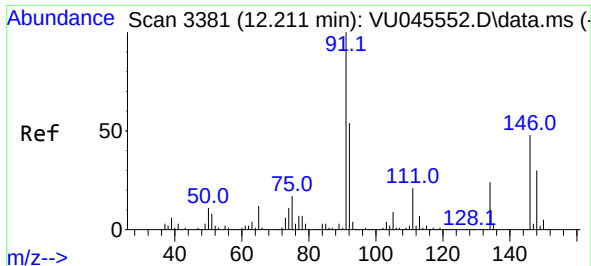
146 100

111 41.8 20.6 61.9

148 63.7 31.9 95.7



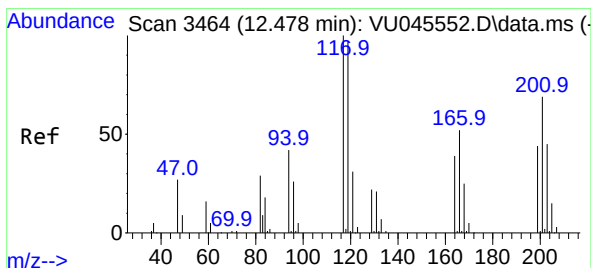
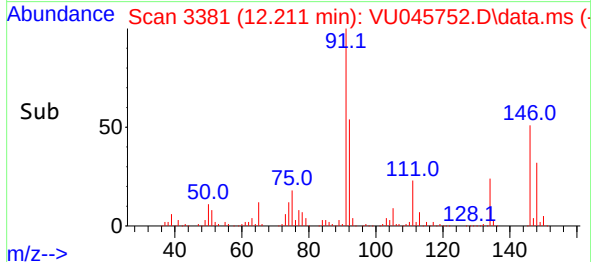
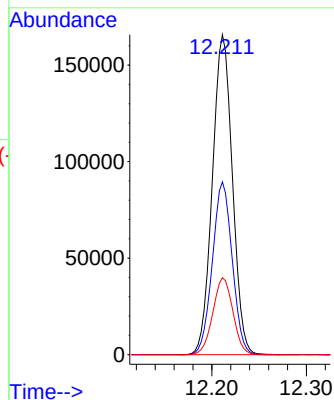
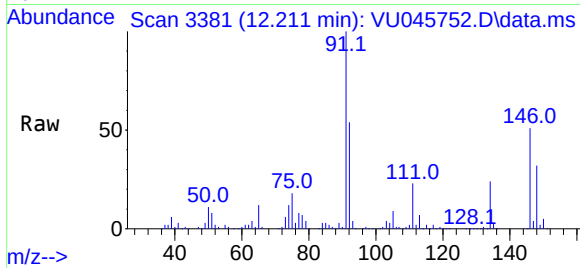




#89  
n-Butylbenzene  
Concen: 46.548 ug/l  
RT: 12.211 min Scan# 3381  
Delta R.T. 0.000 min  
Lab File: VU045752.D  
Acq: 11 Nov 2021 20:28

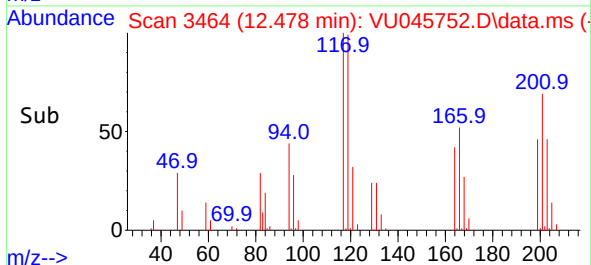
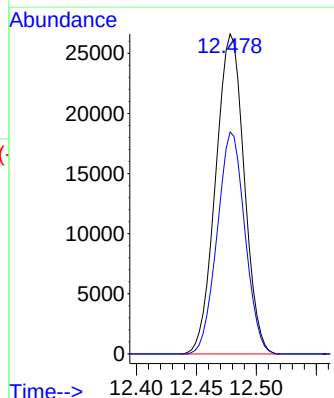
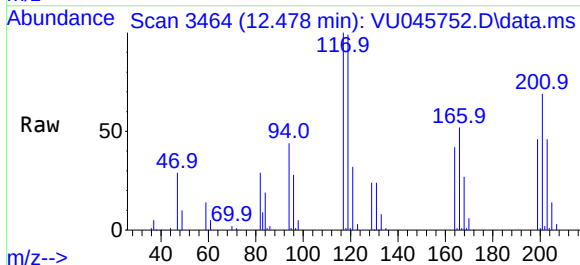
Instrument :  
MSVOA\_U  
ClientSampleId :  
56BR-20211108MS

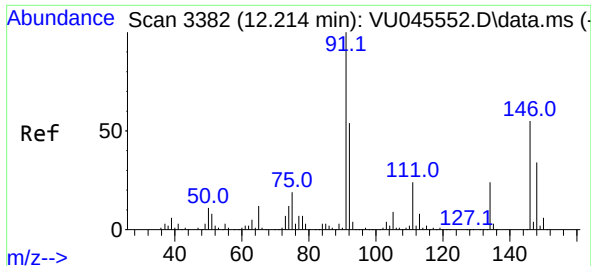
Tgt Ion: 91 Resp: 243872  
Ion Ratio Lower Upper  
91 100  
92 53.5 27.1 81.2  
134 24.1 11.8 35.4



#90  
Hexachloroethane  
Concen: 44.834 ug/l  
RT: 12.478 min Scan# 3464  
Delta R.T. 0.000 min  
Lab File: VU045752.D  
Acq: 11 Nov 2021 20:28

Tgt Ion: 117 Resp: 43989  
Ion Ratio Lower Upper  
117 100  
201 67.5 33.8 101.4

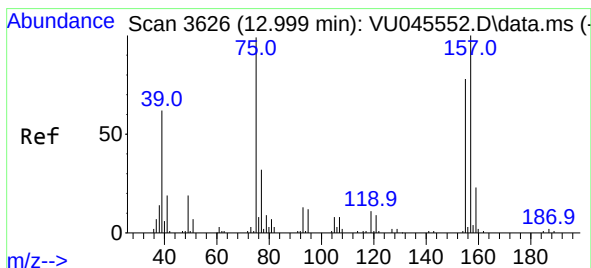
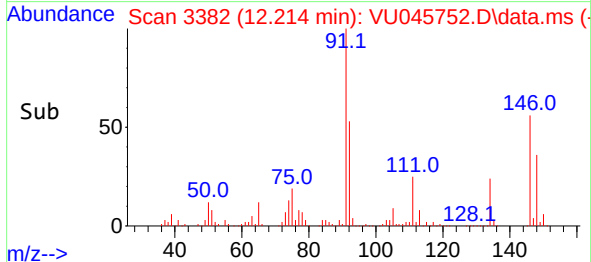
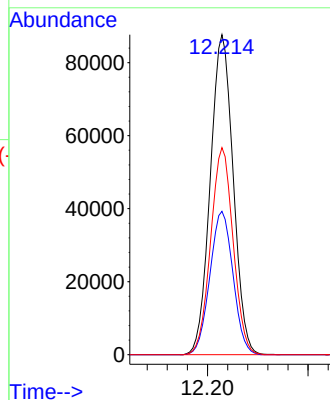
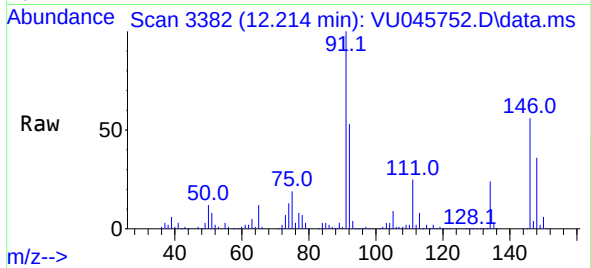




#91  
1,2-Dichlorobenzene  
Concen: 49.300 ug/l  
RT: 12.214 min Scan# 311  
Delta R.T. 0.000 min  
Lab File: VU045752.D  
Acq: 11 Nov 2021 20:28

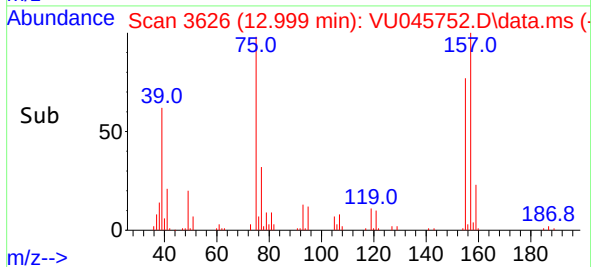
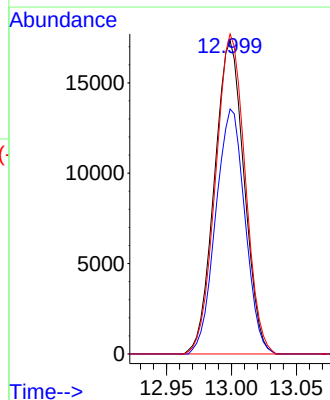
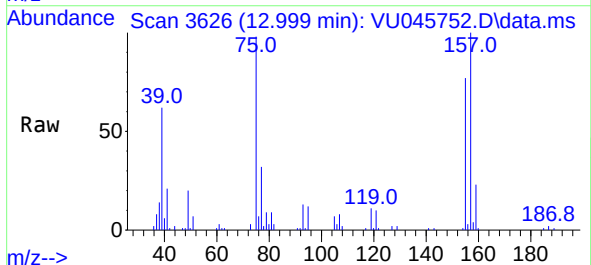
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MSVOA\_U  
ClientSampleId :  
56BR-20211108MS

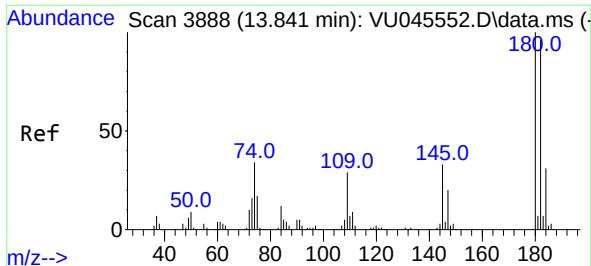
Tgt Ion:146 Resp: 138449  
Ion Ratio Lower Upper  
146 100  
111 45.3 21.9 65.5  
148 63.6 32.1 96.3



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 49.948 ug/l  
RT: 12.999 min Scan# 3626  
Delta R.T. 0.000 min  
Lab File: VU045752.D  
Acq: 11 Nov 2021 20:28

Tgt Ion: 75 Resp: 27514  
Ion Ratio Lower Upper  
75 100  
155 77.2 37.8 113.3  
157 101.6 48.4 145.2





#93

1,2,4-Trichlorobenzene

Concen: 45.287 ug/l

RT: 13.841 min Scan# 3888

Delta R.T. 0.000 min

Lab File: VU045752.D

Acq: 11 Nov 2021 20:28

Instrument :

MSVOA\_U

ClientSampleId :

56BR-20211108MS

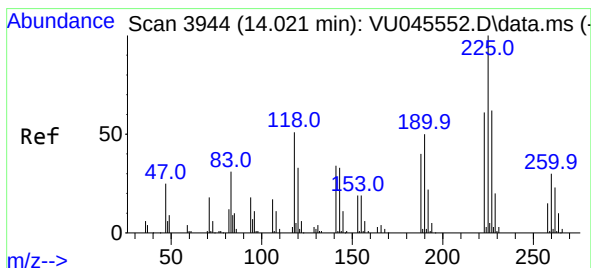
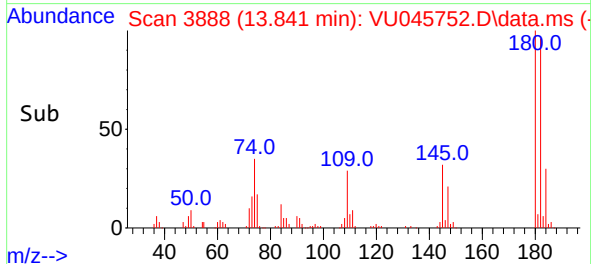
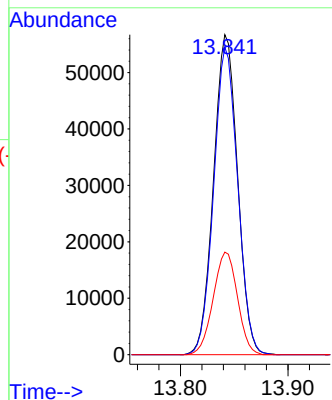
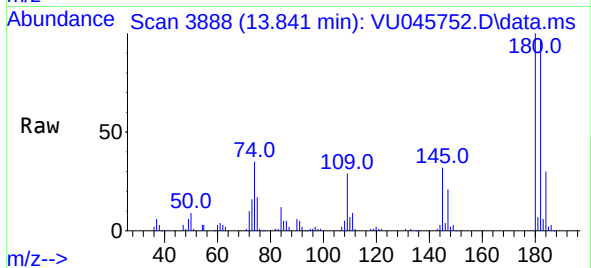
Tgt Ion:180 Resp: 87936

Ion Ratio Lower Upper

180 100

182 95.9 47.0 141.2

145 32.4 15.6 46.7



#94

Hexachlorobutadiene

Concen: 42.662 ug/l

RT: 14.025 min Scan# 3945

Delta R.T. 0.003 min

Lab File: VU045752.D

Acq: 11 Nov 2021 20:28

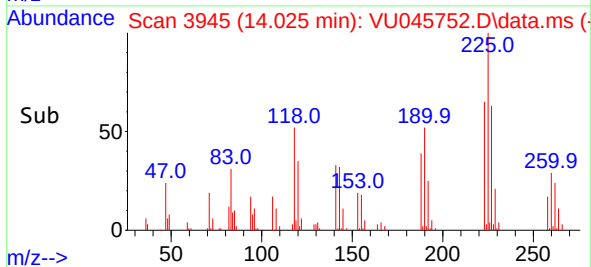
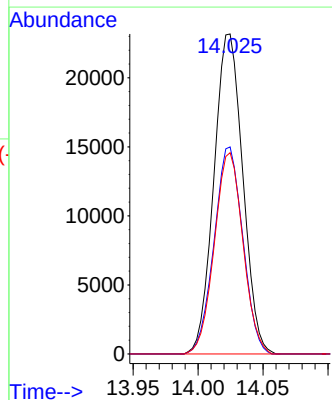
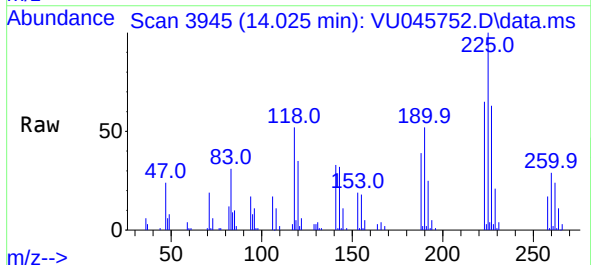
Tgt Ion:225 Resp: 35758

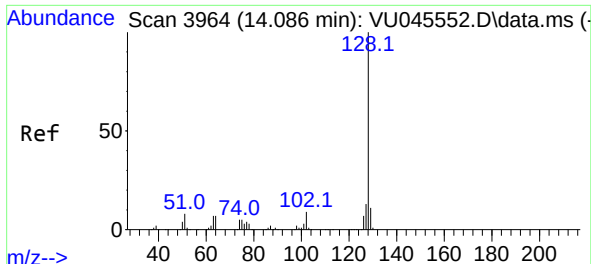
Ion Ratio Lower Upper

225 100

223 64.2 32.0 96.2

227 62.3 31.1 93.5



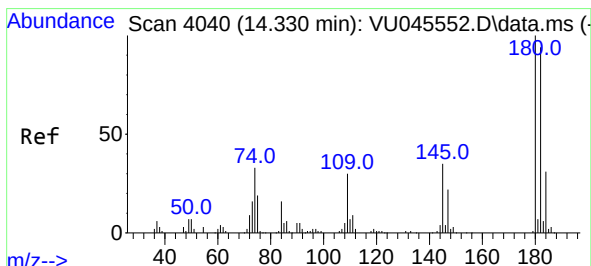
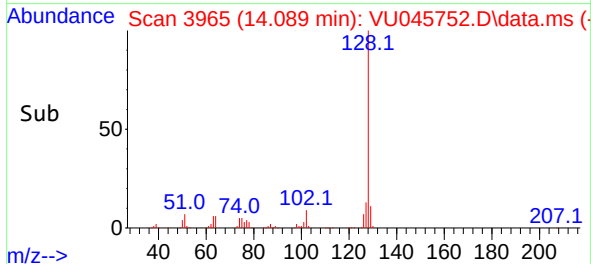
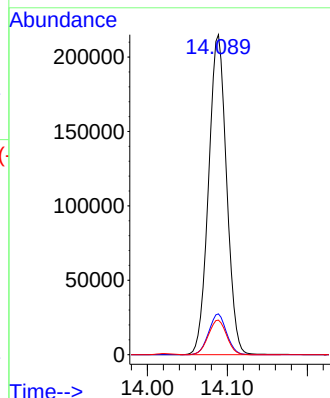
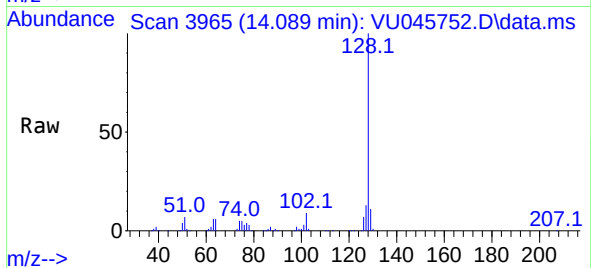


#95  
Naphthalene  
Concen: 46.126 ug/l  
RT: 14.089 min Scan# 3964  
Delta R.T. 0.003 min  
Lab File: VU045752.D  
Acq: 11 Nov 2021 20:28

Instrument :  
MSVOA\_U  
ClientSampleId :  
56BR-20211108MS

Tgt Ion:128 Resp: 336115

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 127 | 12.7  | 10.6  | 15.8  |
| 129 | 11.0  | 8.6   | 13.0  |



#96  
1,2,3-Trichlorobenzene  
Concen: 48.523 ug/l  
RT: 14.330 min Scan# 4040  
Delta R.T. 0.000 min  
Lab File: VU045752.D  
Acq: 11 Nov 2021 20:28

Tgt Ion:180 Resp: 93585

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 95.6  | 47.7  | 143.1 |
| 145 | 34.0  | 16.7  | 50.0  |

