

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU110821\  
 Data File : VU045601.D  
 Acq On : 08 Nov 2021 09:28  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Nov 08 14:55:58 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        | 5.379  | 168   | 134727   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.253  | 114   | 231137   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 9.420  | 117   | 226319   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 11.816 | 152   | 116729   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.703  | 65    | 100397   | 49.758   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 78 - 117 | Recovery | =      | 99.520%  |
| 35) Dibromofluoromethane     | 5.292  | 113   | 76635    | 49.660   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | =      | 99.320%  |
| 50) Toluene-d8               | 7.903  | 98    | 293122   | 51.082   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 92 - 112 | Recovery | =      | 102.160% |
| 62) 4-Bromofluorobenzene     | 10.636 | 95    | 116107   | 50.459   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 83 - 123 | Recovery | =      | 100.920% |
| Target Compounds             |        |       |          |          |        |          |
|                              |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.385  | 85    | 92352    | 52.869   | ug/l   | 99       |
| 3) Chloromethane             | 1.523  | 50    | 99586    | 49.826   | ug/l   | 100      |
| 4) Vinyl Chloride            | 1.607  | 62    | 100896   | 51.823   | ug/l   | 100      |
| 5) Bromomethane              | 1.851  | 94    | 63023    | 58.036   | ug/l   | 100      |
| 6) Chloroethane              | 1.932  | 64    | 61149    | 48.126   | ug/l   | 97       |
| 7) Trichlorofluoromethane    | 2.141  | 101   | 129746   | 50.396   | ug/l   | 99       |
| 8) Diethyl Ether             | 2.379  | 74    | 51055    | 50.097   | ug/l   | 100      |
| 9) 1,1,2-Trichlorotrifluo... | 2.584  | 101   | 76908    | 51.158   | ug/l   | 98       |
| 10) Methyl Iodide            | 2.726  | 142   | 84401    | 42.902   | ug/l   | 91       |
| 11) Tert butyl alcohol       | 3.173  | 59    | 90573    | 226.792  | ug/l   | 100      |
| 12) 1,1-Dichloroethene       | 2.584  | 96    | 73641    | 49.683   | ug/l   | 99       |
| 13) Acrolein                 | 2.485  | 56    | 14713    | 254.228  | ug/l   | 100      |
| 14) Allyl chloride           | 2.925  | 41    | 134610   | 50.861   | ug/l   | 98       |
| 15) Acrylonitrile            | 3.311  | 53    | 272414   | 255.484  | ug/l   | 99       |
| 16) Acetone                  | 2.623  | 43    | 308214   | 300.081  | ug/l   | 98       |
| 17) Carbon Disulfide         | 2.797  | 76    | 203721   | 49.069   | ug/l   | 100      |
| 18) Methyl Acetate           | 2.948  | 43    | 174642   | 49.922   | ug/l   | 100      |
| 19) Methyl tert-butyl Ether  | 3.366  | 73    | 272702   | 51.111   | ug/l   | 100      |
| 20) Methylene Chloride       | 3.047  | 84    | 87823    | 49.209   | ug/l   | 98       |
| 21) trans-1,2-Dichloroethene | 3.356  | 96    | 79760    | 51.724   | ug/l   | 98       |
| 22) Diisopropyl ether        | 3.996  | 45    | 272624   | 52.461   | ug/l   | 94       |
| 23) Vinyl Acetate            | 3.957  | 43    | 1067953  | 267.198  | ug/l   | 100      |
| 24) 1,1-Dichloroethane       | 3.874  | 63    | 158148   | 51.069   | ug/l   | 99       |
| 25) 2-Butanone               | 4.700  | 43    | 399240   | 280.256  | ug/l   | 100      |
| 26) 2,2-Dichloropropane      | 4.671  | 77    | 135727   | 52.892   | ug/l   | 98       |
| 27) cis-1,2-Dichloroethene   | 4.671  | 96    | 93220    | 51.470   | ug/l   | 99       |
| 28) Bromochloromethane       | 4.977  | 49    | 77293    | 52.354   | ug/l   | 99       |
| 29) Tetrahydrofuran          | 5.047  | 42    | 217551   | 249.664  | ug/l   | 100      |
| 30) Chloroform               | 5.092  | 83    | 155726   | 50.846   | ug/l   | 100      |
| 31) Cyclohexane              | 5.391  | 56    | 145667   | 49.479   | ug/l   | 98       |
| 32) 1,1,1-Trichloroethane    | 5.321  | 97    | 134945   | 51.668   | ug/l   | 97       |
| 36) 1,1-Dichloropropene      | 5.530  | 75    | 118068   | 52.387   | ug/l   | 99       |
| 37) Ethyl Acetate            | 4.803  | 43    | 132949   | 51.353   | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 5.530  | 117   | 115664   | 50.905   | ug/l   | 97       |
| 39) Methylcyclohexane        | 6.768  | 83    | 146672   | 53.048   | ug/l   | 97       |
| 40) Benzene                  | 5.777  | 78    | 337228   | 50.539   | ug/l   | 99       |

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 Sample : VSTDCCC050  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Nov 08 14:55:58 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   | 73578    | 53.779  | ug/l   | 98       |
| 42) 1,2-Dichloroethane        | 5.797  | 62   | 125389   | 52.025  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 5.912  | 43   | 206560   | 52.163  | ug/l   | 100      |
| 44) Trichloroethene           | 6.546  | 130  | 81098    | 50.775  | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 6.793  | 63   | 91821    | 52.007  | ug/l   | 96       |
| 46) Dibromomethane            | 6.922  | 93   | 62551    | 51.131  | ug/l   | 99       |
| 47) Bromodichloromethane      | 7.108  | 83   | 123621   | 53.257  | ug/l   | 98       |
| 48) Methyl methacrylate       | 6.960  | 41   | 96007    | 52.676  | ug/l   | 99       |
| 49) 1,4-Dioxane               | 6.964  | 88   | 42237    | 901.129 | ug/l # | 95       |
| 51) 4-Methyl-2-Pentanone      | 7.793  | 43   | 678938   | 259.915 | ug/l   | 99       |
| 52) Toluene                   | 7.973  | 92   | 216671   | 53.039  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.214  | 75   | 144877   | 54.308  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 7.610  | 75   | 151938   | 53.622  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 8.404  | 97   | 87413    | 51.630  | ug/l   | 99       |
| 56) Ethyl methacrylate        | 8.337  | 69   | 142491   | 47.071  | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 8.578  | 76   | 157323   | 51.591  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 7.465  | 63   | 377087   | 241.925 | ug/l   | 100      |
| 59) 2-Hexanone                | 8.687  | 43   | 561529   | 247.141 | ug/l   | 98       |
| 60) Dibromochloromethane      | 8.813  | 129  | 92788    | 52.631  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 8.928  | 107  | 93316    | 51.390  | ug/l   | 98       |
| 64) Tetrachloroethene         | 8.555  | 164  | 66513    | 51.204  | ug/l   | 98       |
| 65) Chlorobenzene             | 9.449  | 112  | 223615   | 50.302  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 9.539  | 131  | 81331    | 51.297  | ug/l   | 99       |
| 67) Ethyl Benzene             | 9.575  | 91   | 418482   | 52.566  | ug/l   | 100      |
| 68) m/p-Xylenes               | 9.697  | 106  | 321176   | 106.974 | ug/l   | 99       |
| 69) o-Xylene                  | 10.105 | 106  | 153254   | 52.503  | ug/l   | 96       |
| 70) Styrene                   | 10.118 | 104  | 266228   | 53.913  | ug/l   | 99       |
| 71) Bromoform                 | 10.295 | 173  | 68912    | 46.173  | ug/l # | 100      |
| 73) Isopropylbenzene          | 10.488 | 105  | 415184   | 54.436  | ug/l   | 100      |
| 74) N-amyl acetate            | 10.320 | 43   | 186163   | 54.106  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 10.787 | 83   | 152680   | 50.526  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 10.829 | 75   | 181645   | 51.314  | ug/l   | 92       |
| 77) Bromobenzene              | 10.783 | 156  | 95749    | 51.707  | ug/l   | 97       |
| 78) n-propylbenzene           | 10.909 | 91   | 515858   | 54.343  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 10.989 | 91   | 297000   | 52.958  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 11.092 | 105  | 363902   | 54.609  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 10.549 | 75   | 52488    | 48.659  | ug/l   | 96       |
| 82) 4-Chlorotoluene           | 11.099 | 91   | 352540   | 53.601  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 11.423 | 119  | 342729   | 53.954  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.472 | 105  | 364688   | 55.065  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.645 | 105  | 456590   | 54.197  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 11.796 | 119  | 383973   | 54.542  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.748 | 146  | 188461   | 50.441  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 11.838 | 146  | 191695   | 50.729  | ug/l   | 99       |
| 89) n-Butylbenzene            | 12.211 | 91   | 375788   | 55.413  | ug/l   | 99       |
| 90) Hexachloroethane          | 12.481 | 117  | 68929    | 54.275  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 12.214 | 146  | 185940   | 51.152  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.999 | 75   | 37316    | 52.335  | ug/l   | 97       |
| 93) 1,2,4-Trichlorobenzene    | 13.841 | 180  | 131557   | 52.342  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 14.025 | 225  | 53747    | 49.540  | ug/l   | 98       |
| 95) Naphthalene               | 14.089 | 128  | 466676   | 49.402  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 14.333 | 180  | 130580   | 52.306  | ug/l   | 99       |

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Sample : VSTDCCC050  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :

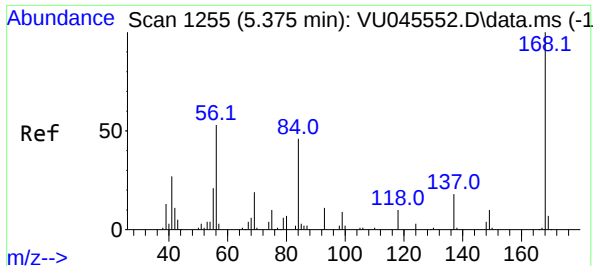
Quant Time: Nov 08 14:55:58 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U110521W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 05 13:35:16 2021  
Response via : Initial Calibration

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

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

Quant Time: Nov 08 14:55:58 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





Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.379 min Scan# 11

Delta R.T. 0.004 min

Lab File: VU045601.D

Acq: 08 Nov 2021 09:28

Instrument :

MSVOA\_U

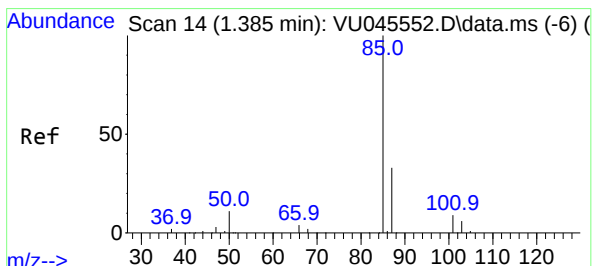
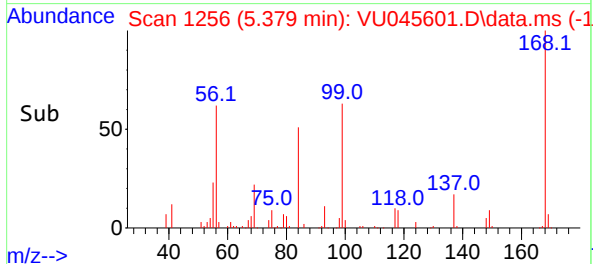
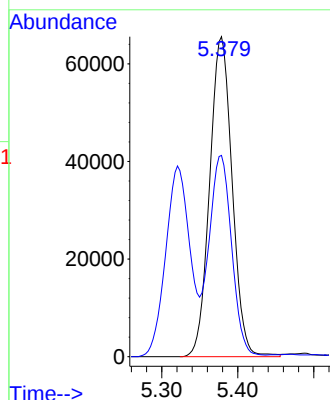
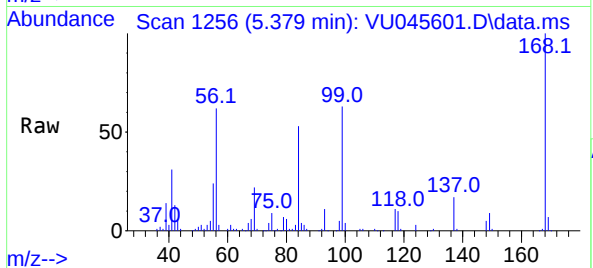
ClientSampleId :

Tgt Ion:168 Resp: 134727

Ion Ratio Lower Upper

168 100

99 62.3 51.0 76.6



Dichlorodifluoromethane

Concen: 52.869 ug/l

RT: 1.385 min Scan# 14

Delta R.T. 0.000 min

Lab File: VU045601.D

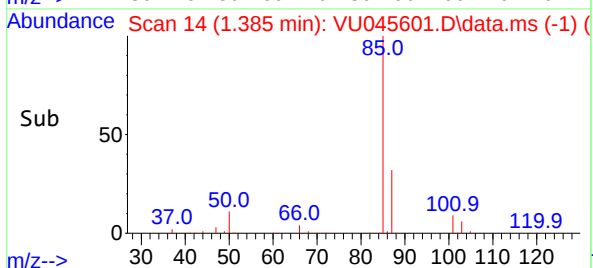
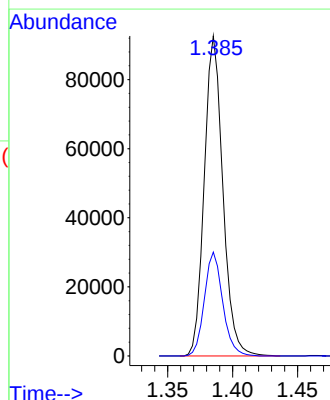
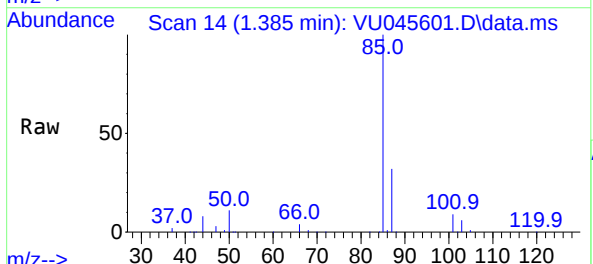
Acq: 08 Nov 2021 09:28

Tgt Ion: 85 Resp: 92352

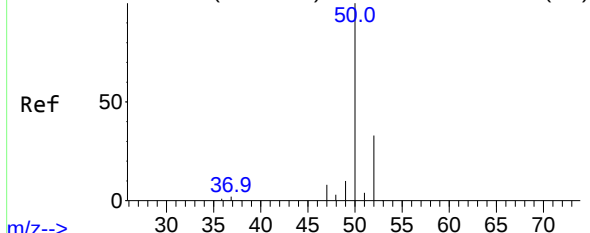
Ion Ratio Lower Upper

85 100

87 32.5 15.9 47.7



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



#3

Chloromethane

Concen: 49.826 ug/l

RT: 1.523 min Scan# 51

Delta R.T. 0.000 min

Lab File: VU045601.D

Acq: 08 Nov 2021 09:28

Instrument :

MSVOA\_U

ClientSampleId :

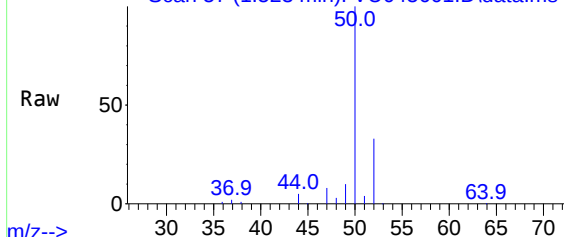
Tgt Ion: 50 Resp: 99586

Ion Ratio Lower Upper

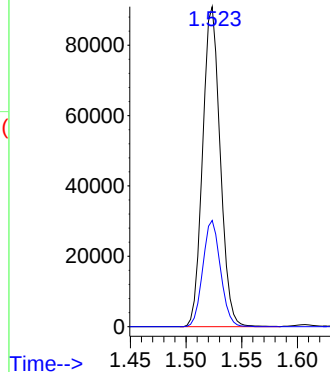
50 100

52 33.2 26.6 40.0

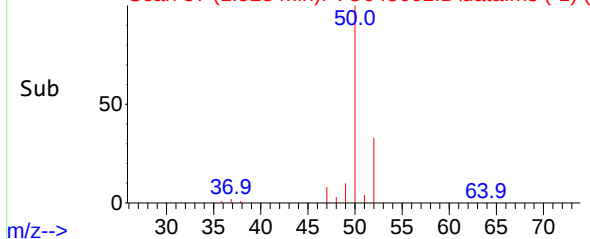
Abundance Scan 57 (1.523 min): VU045601.D\data.ms



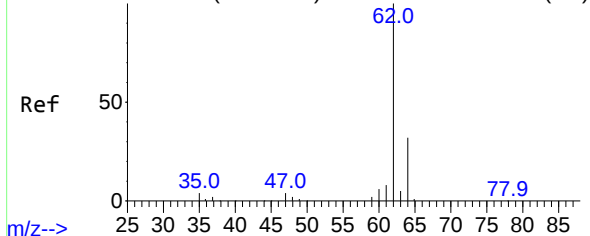
Abundance



Abundance Scan 57 (1.523 min): VU045601.D\data.ms (-1)



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



#4

Vinyl Chloride

Concen: 51.823 ug/l

RT: 1.607 min Scan# 83

Delta R.T. 0.000 min

Lab File: VU045601.D

Acq: 08 Nov 2021 09:28

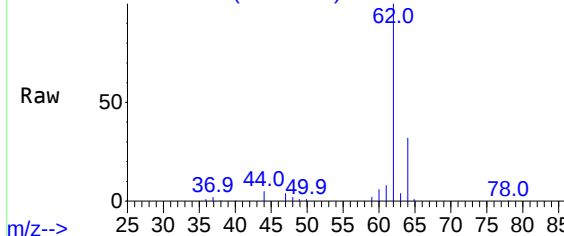
Tgt Ion: 62 Resp: 100896

Ion Ratio Lower Upper

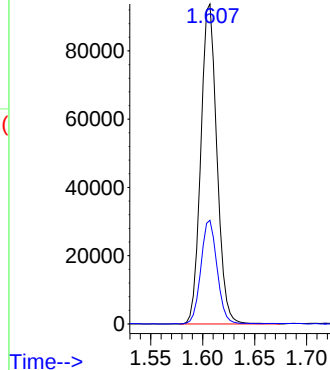
62 100

64 32.4 25.8 38.6

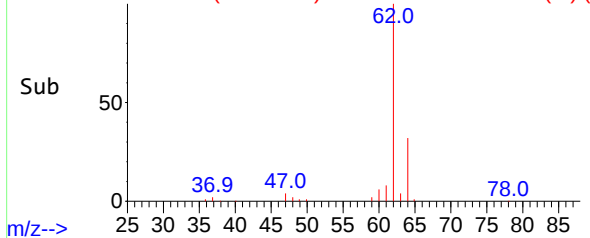
Abundance Scan 83 (1.607 min): VU045601.D\data.ms

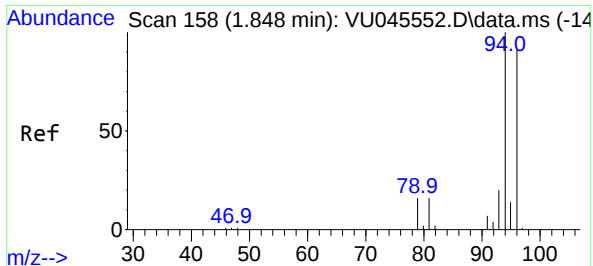


Abundance



Abundance Scan 83 (1.607 min): VU045601.D\data.ms (-1)

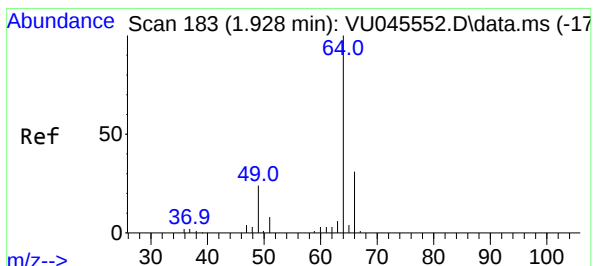
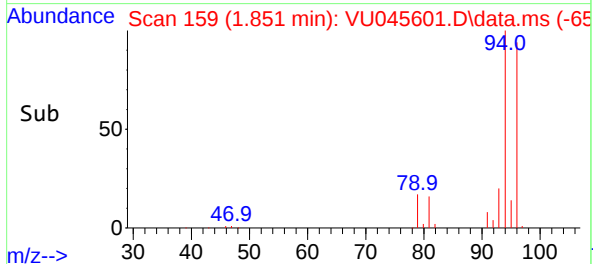
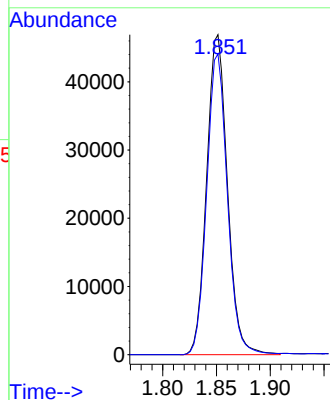
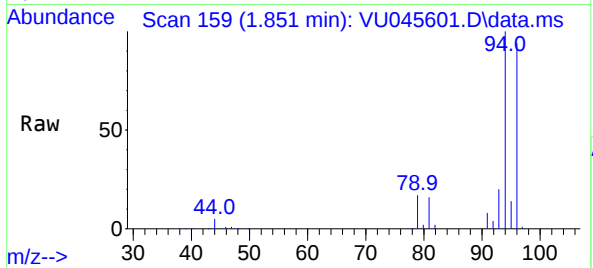




#5  
Bromomethane  
Concen: 58.036 ug/l  
RT: 1.851 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: VU045601.D  
Acq: 08 Nov 2021 09:28

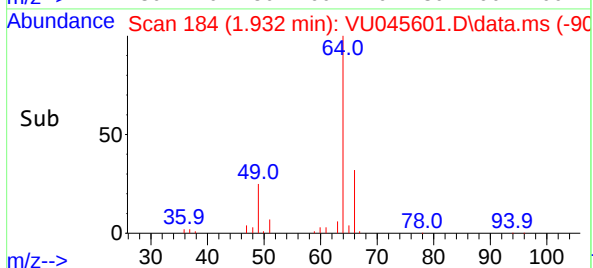
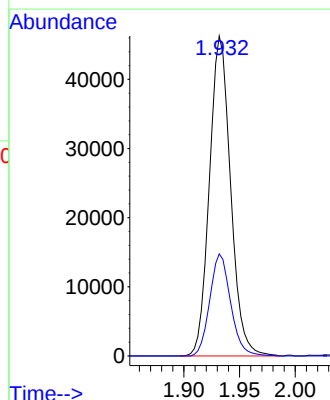
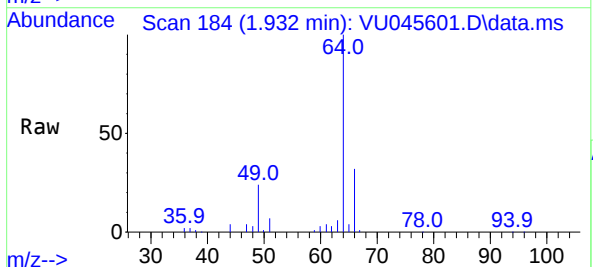
Instrument :  
MSVOA\_U  
ClientSampleId :

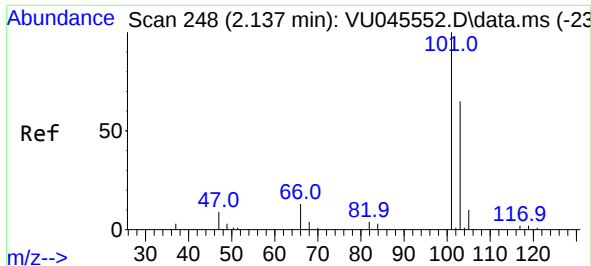
Tgt Ion: 94 Resp: 63023  
Ion Ratio Lower Upper  
94 100  
96 94.0 75.4 113.2



#6  
Chloroethane  
Concen: 48.126 ug/l  
RT: 1.932 min Scan# 184  
Delta R.T. 0.003 min  
Lab File: VU045601.D  
Acq: 08 Nov 2021 09:28

Tgt Ion: 64 Resp: 61149  
Ion Ratio Lower Upper  
64 100  
66 31.9 26.7 40.1

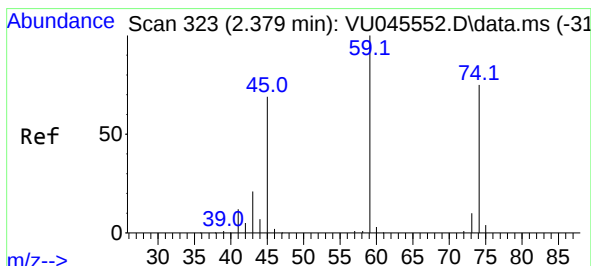
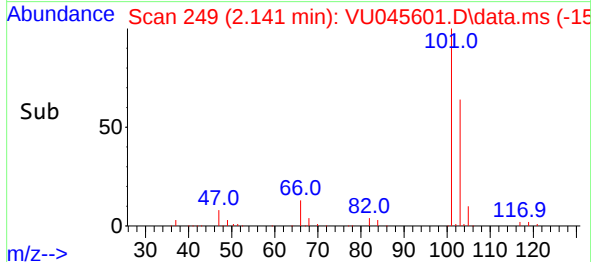
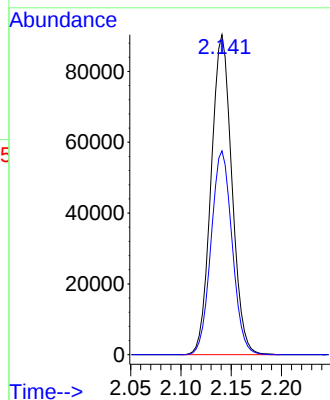
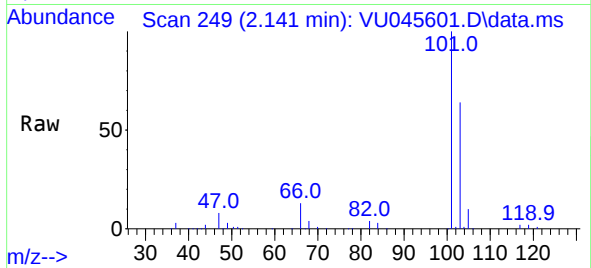




#7  
 Trichlorofluoromethane  
 Concen: 50.396 ug/l  
 RT: 2.141 min Scan# 248  
 Delta R.T. 0.003 min  
 Lab File: VU045601.D  
 Acq: 08 Nov 2021 09:28

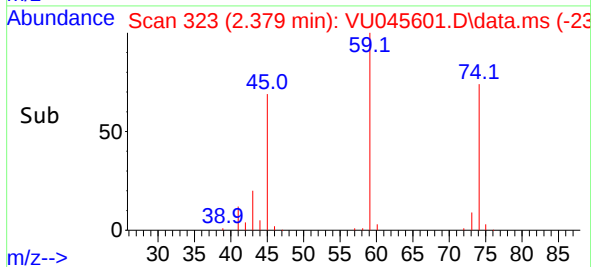
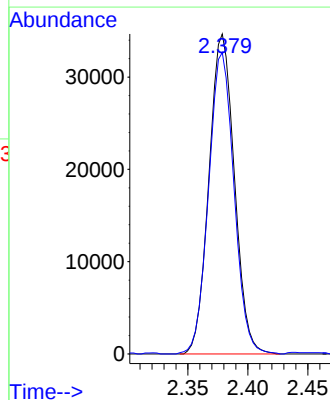
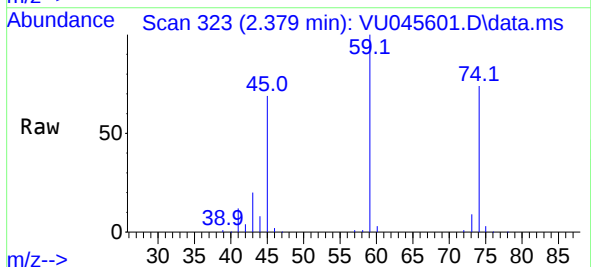
Instrument :  
 MSVOA\_U  
 ClientSampleId :

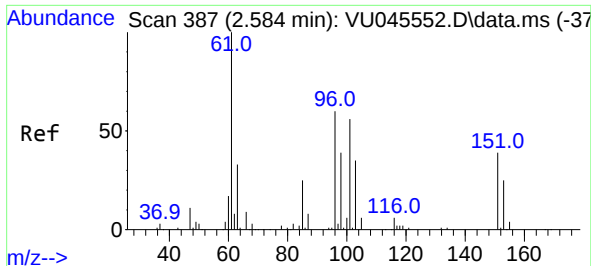
Tgt Ion:101 Resp: 129746  
 Ion Ratio Lower Upper  
 101 100  
 103 63.7 51.4 77.0



#8  
 Diethyl Ether  
 Concen: 50.097 ug/l  
 RT: 2.379 min Scan# 323  
 Delta R.T. 0.000 min  
 Lab File: VU045601.D  
 Acq: 08 Nov 2021 09:28

Tgt Ion: 74 Resp: 51055  
 Ion Ratio Lower Upper  
 74 100  
 45 94.2 47.3 141.8

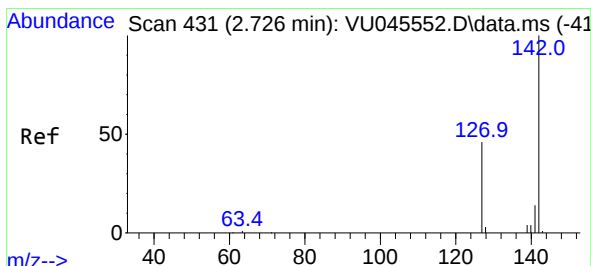
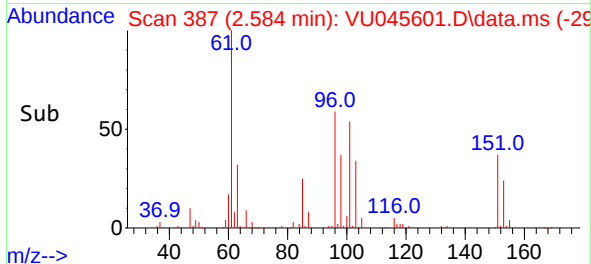
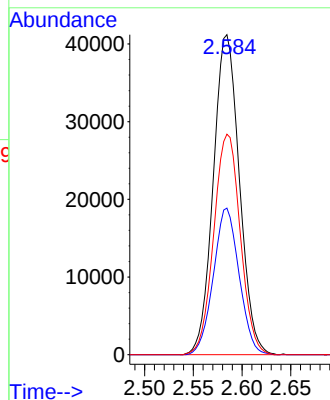
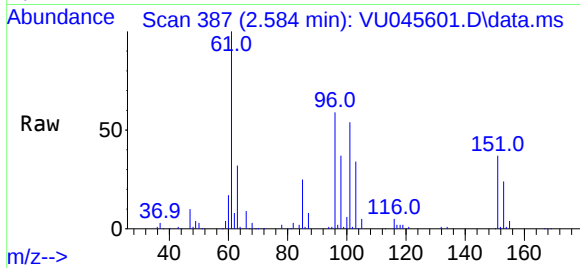




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 51.158 ug/l  
RT: 2.584 min Scan# 387  
Delta R.T. 0.000 min  
Lab File: VU045601.D  
Acq: 08 Nov 2021 09:28

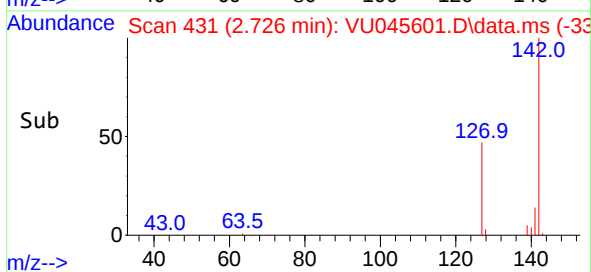
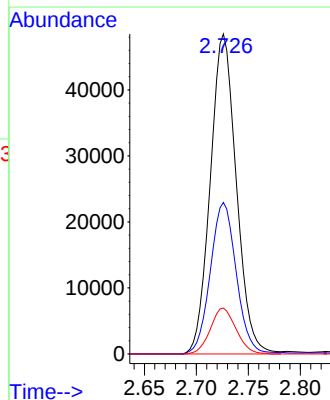
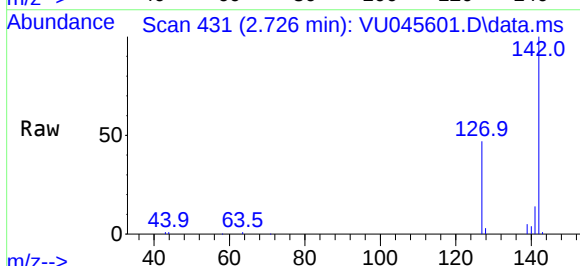
Instrument :  
MSVOA\_U  
ClientSampleId :

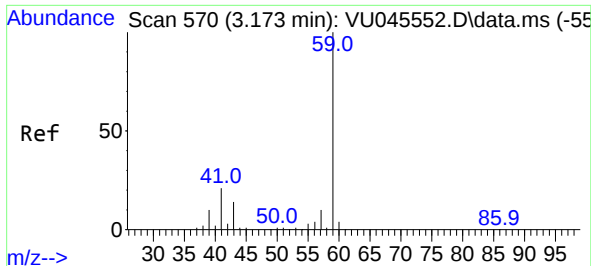
Tgt Ion:101 Resp: 76908  
Ion Ratio Lower Upper  
101 100  
85 45.1 35.0 52.4  
151 69.9 54.6 82.0



#10  
Methyl Iodide  
Concen: 42.902 ug/l  
RT: 2.726 min Scan# 431  
Delta R.T. 0.000 min  
Lab File: VU045601.D  
Acq: 08 Nov 2021 09:28

Tgt Ion:142 Resp: 84401  
Ion Ratio Lower Upper  
142 100  
127 47.4 32.2 48.2  
141 14.2 11.3 16.9

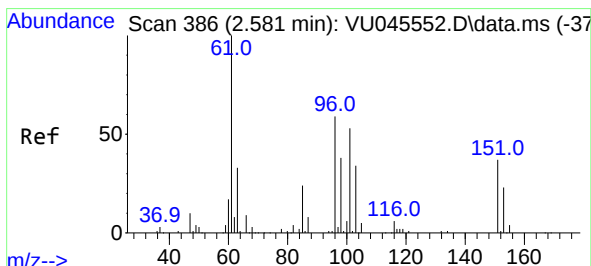
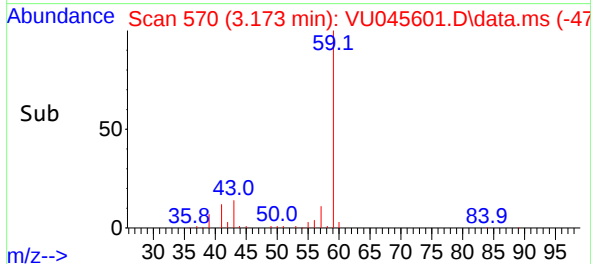
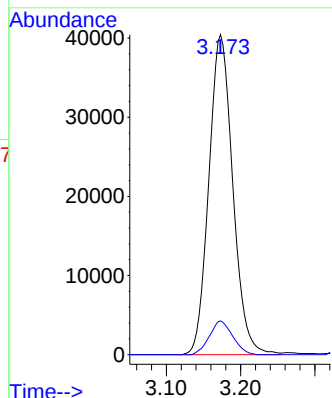
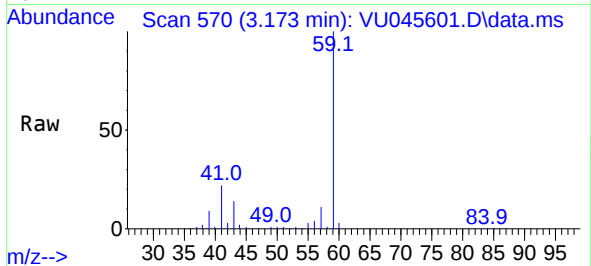




#11  
Tert butyl alcohol  
Concen: 226.792 ug/l  
RT: 3.173 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: VU045601.D  
Acq: 08 Nov 2021 09:28

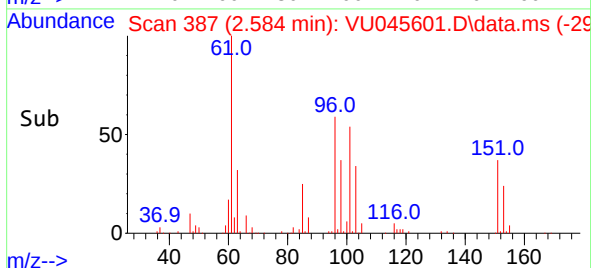
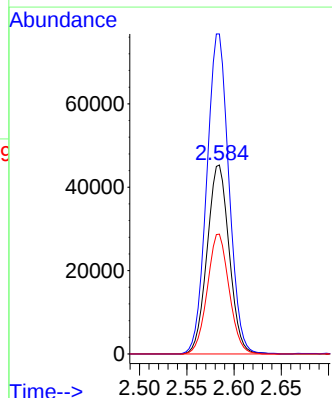
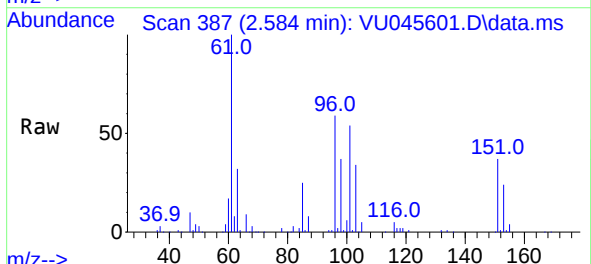
Instrument :  
MSVOA\_U  
ClientSampleId :

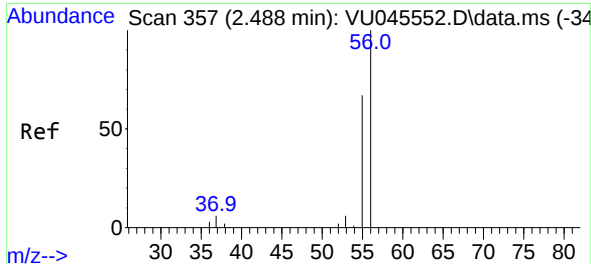
Tgt Ion: 59 Resp: 90573  
Ion Ratio Lower Upper  
59 100  
57 10.3 8.3 12.5



#12  
1,1-Dichloroethene  
Concen: 49.683 ug/l  
RT: 2.584 min Scan# 387  
Delta R.T. 0.003 min  
Lab File: VU045601.D  
Acq: 08 Nov 2021 09:28

Tgt Ion: 96 Resp: 73641  
Ion Ratio Lower Upper  
96 100  
61 169.3 137.1 205.7  
98 63.4 51.5 77.3





#13

Acrolein

Concen: 254.228 ug/l

RT: 2.485 min Scan# 357

Delta R.T. -0.003 min

Lab File: VU045601.D

Acq: 08 Nov 2021 09:28

Instrument :

MSVOA\_U

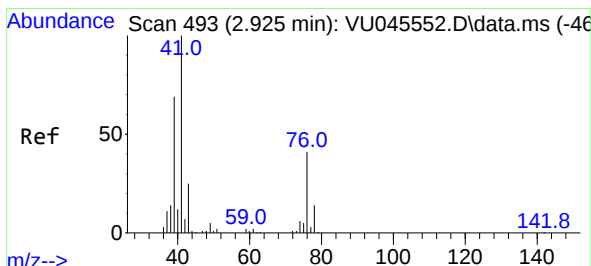
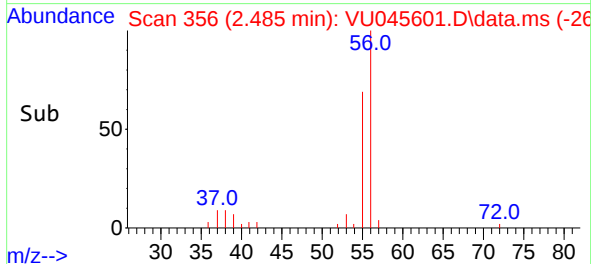
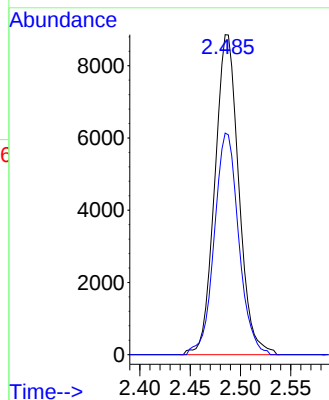
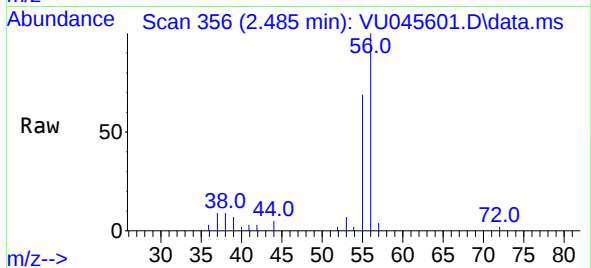
ClientSampleId :

Tgt Ion: 56 Resp: 14713

Ion Ratio Lower Upper

56 100

55 70.4 56.3 84.5



#14

Allyl chloride

Concen: 50.861 ug/l

RT: 2.925 min Scan# 493

Delta R.T. 0.000 min

Lab File: VU045601.D

Acq: 08 Nov 2021 09:28

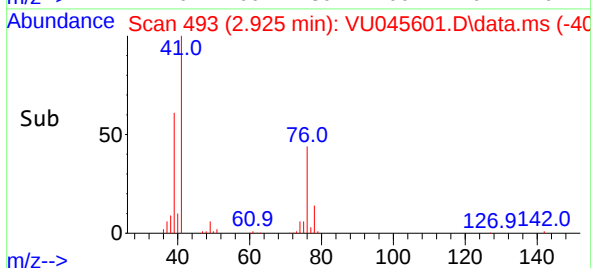
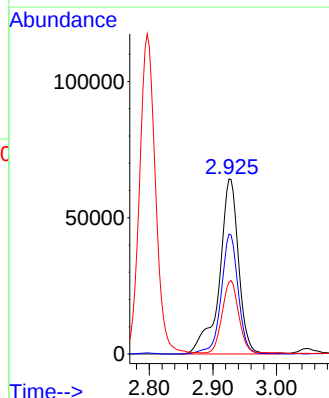
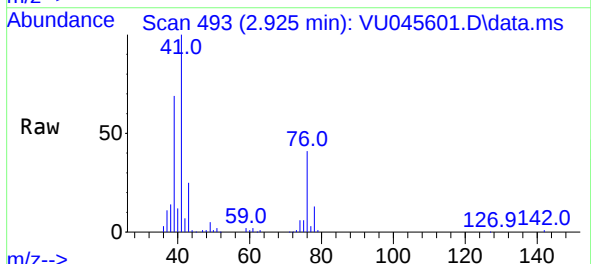
Tgt Ion: 41 Resp: 134610

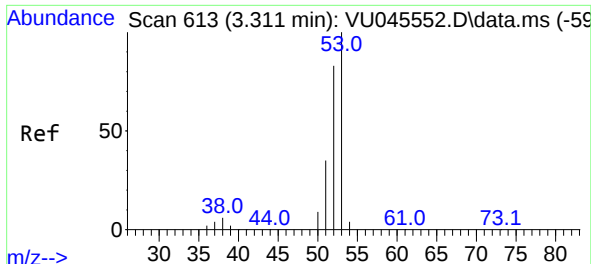
Ion Ratio Lower Upper

41 100

39 60.5 49.7 74.5

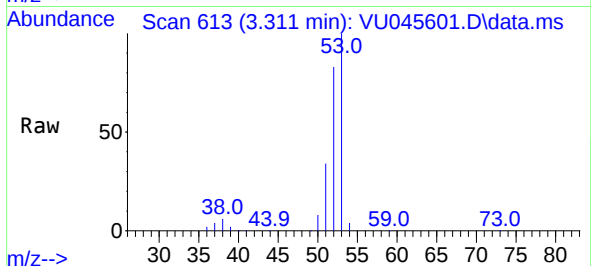
76 35.5 27.7 41.5





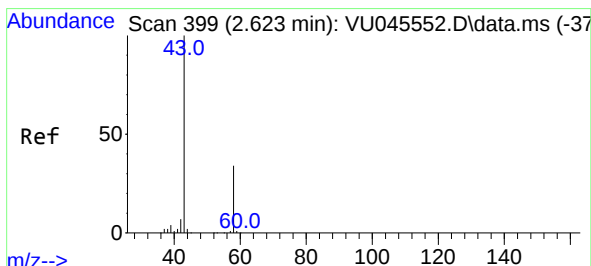
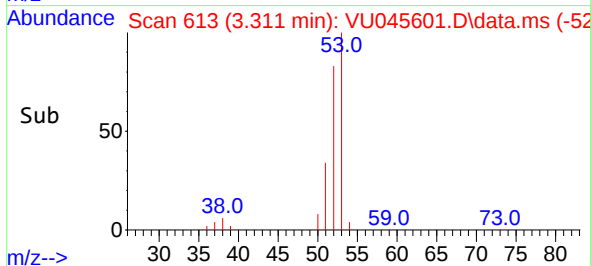
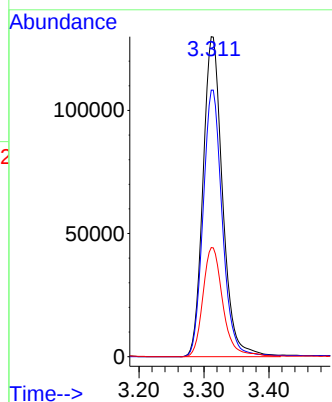
#15  
Acrylonitrile  
Concen: 255.484 ug/l  
RT: 3.311 min Scan# 613  
Delta R.T. 0.000 min  
Lab File: VU045601.D  
Acq: 08 Nov 2021 09:28

Instrument :  
MSVOA\_U  
ClientSampleId :



Tgt Ion: 53 Resp: 272414

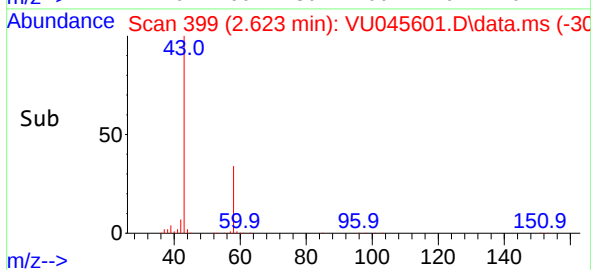
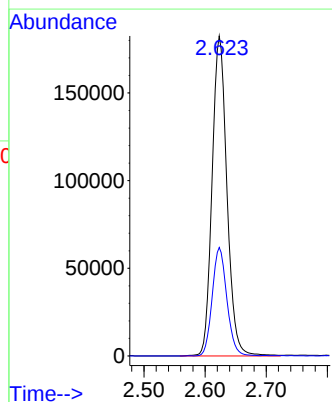
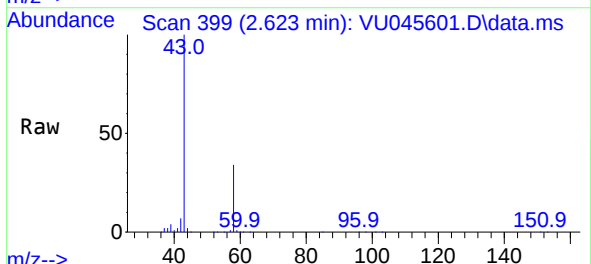
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 53  | 100   |       |       |
| 52  | 82.0  | 66.6  | 100.0 |
| 51  | 34.9  | 28.4  | 42.6  |

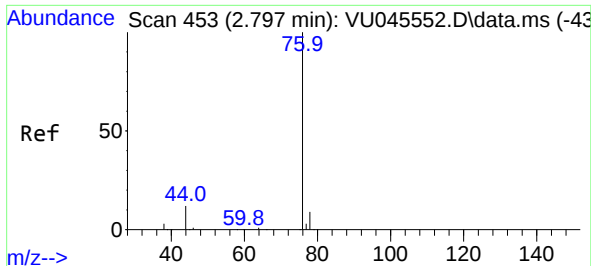


#16  
Acetone  
Concen: 300.081 ug/l  
RT: 2.623 min Scan# 399  
Delta R.T. 0.000 min  
Lab File: VU045601.D  
Acq: 08 Nov 2021 09:28

Tgt Ion: 43 Resp: 308214

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 33.9  | 26.2  | 39.2  |

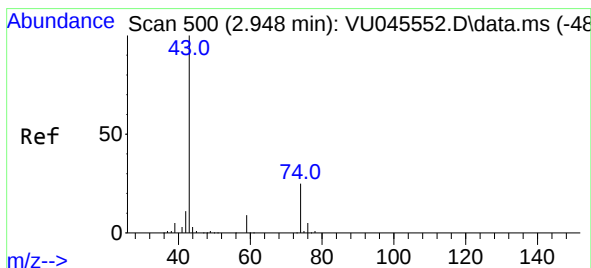
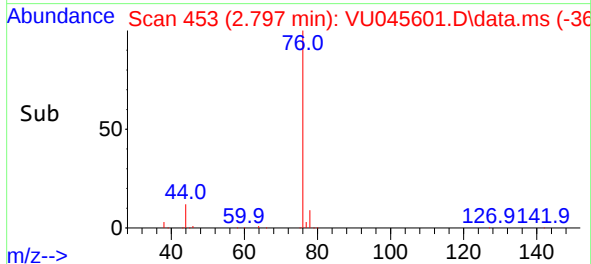
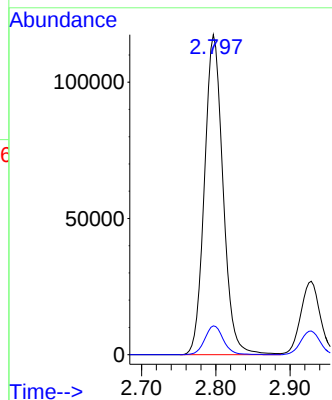
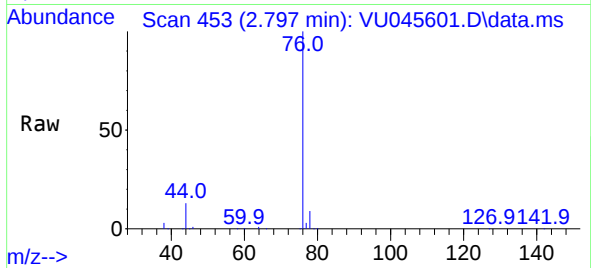




#17  
Carbon Disulfide  
Concen: 49.069 ug/l  
RT: 2.797 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VU045601.D  
Acq: 08 Nov 2021 09:28

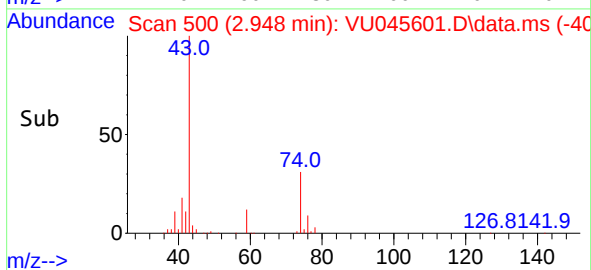
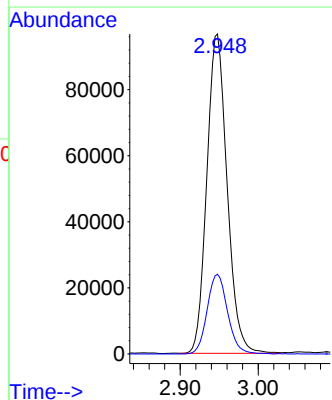
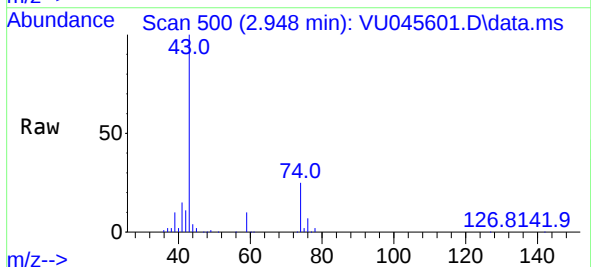
Instrument :  
MSVOA\_U  
ClientSampleId :

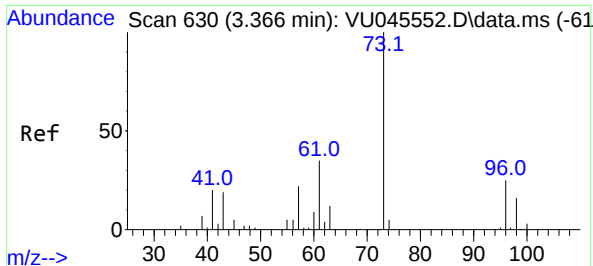
Tgt Ion: 76 Resp: 203721  
Ion Ratio Lower Upper  
76 100  
78 9.0 7.3 10.9



#18  
Methyl Acetate  
Concen: 49.922 ug/l  
RT: 2.948 min Scan# 500  
Delta R.T. 0.000 min  
Lab File: VU045601.D  
Acq: 08 Nov 2021 09:28

Tgt Ion: 43 Resp: 174642  
Ion Ratio Lower Upper  
43 100  
74 25.2 20.2 30.2

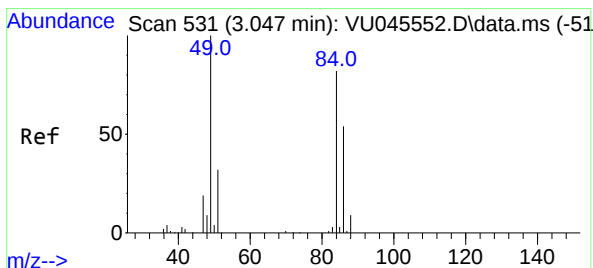
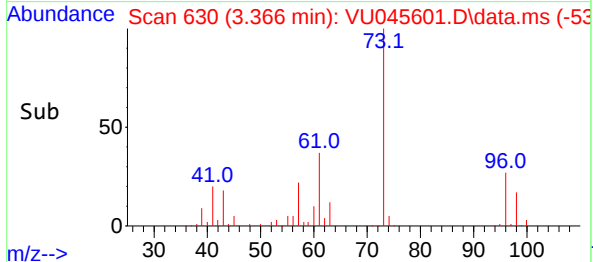
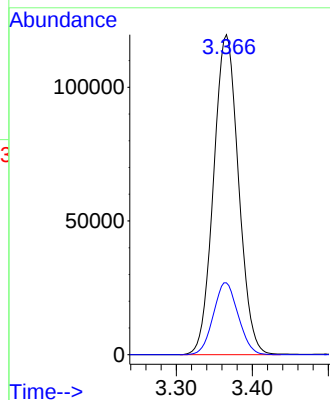
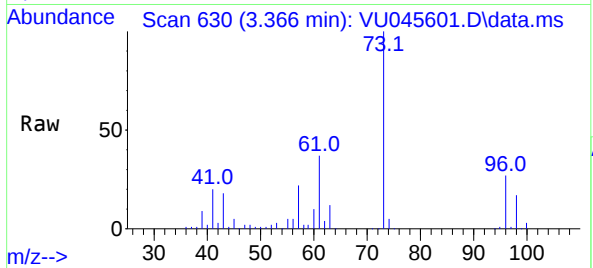




#19  
Methyl tert-butyl Ether  
Concen: 51.111 ug/l  
RT: 3.366 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VU045601.D  
Acq: 08 Nov 2021 09:28

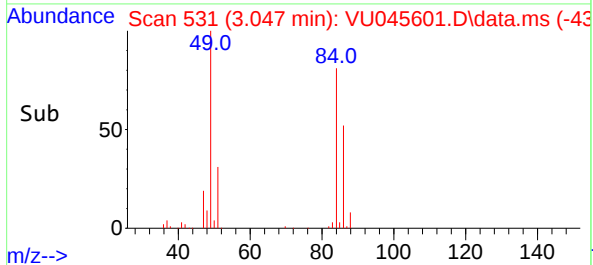
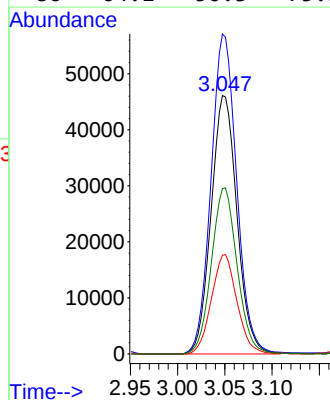
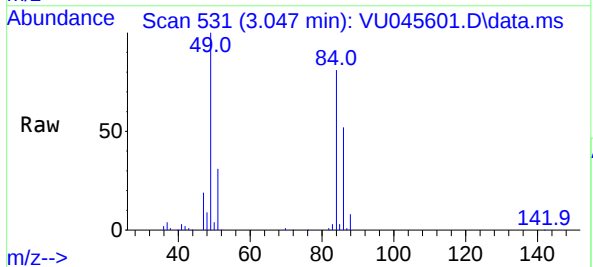
Instrument :  
MSVOA\_U  
ClientSampleId :

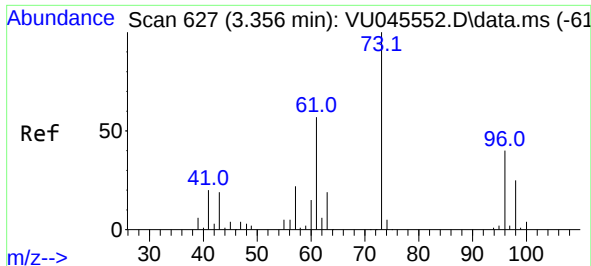
Tgt Ion: 73 Resp: 272702  
Ion Ratio Lower Upper  
73 100  
57 22.5 18.1 27.1



#20  
Methylene Chloride  
Concen: 49.209 ug/l  
RT: 3.047 min Scan# 531  
Delta R.T. 0.000 min  
Lab File: VU045601.D  
Acq: 08 Nov 2021 09:28

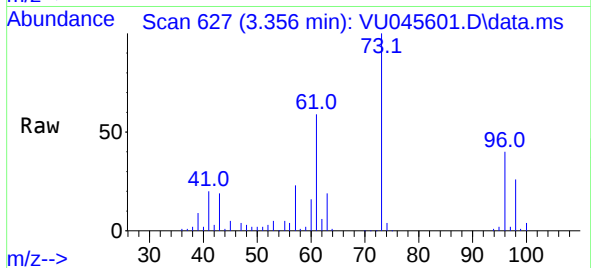
Tgt Ion: 84 Resp: 87823  
Ion Ratio Lower Upper  
84 100  
49 123.9 96.4 144.6  
51 38.2 30.5 45.7  
86 64.1 50.3 75.5



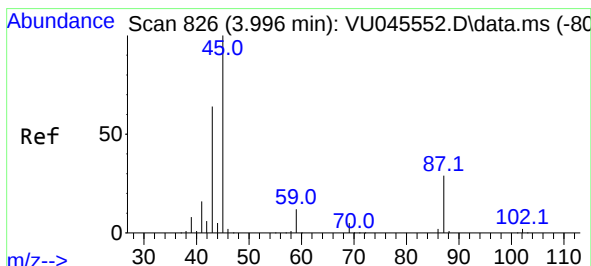
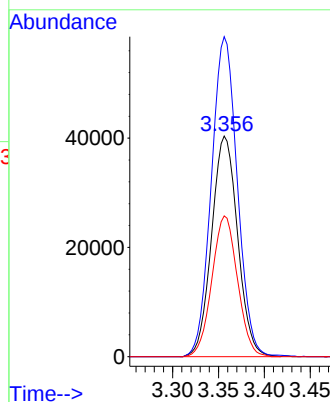
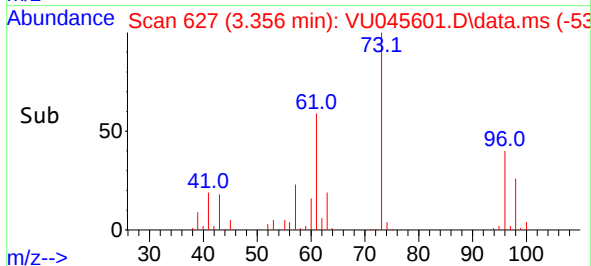


#21  
trans-1,2-Dichloroethene  
Concen: 51.724 ug/l  
RT: 3.356 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VU045601.D  
Acq: 08 Nov 2021 09:28

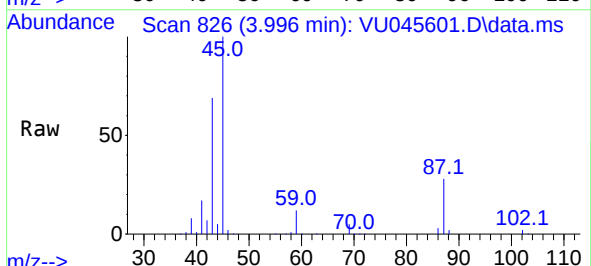
Instrument :  
MSVOA\_U  
ClientSampleId :



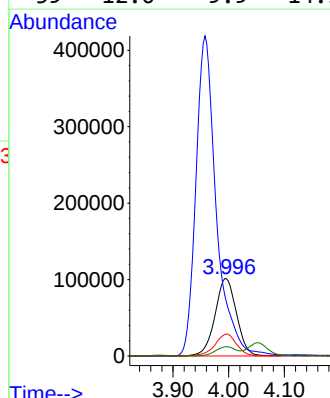
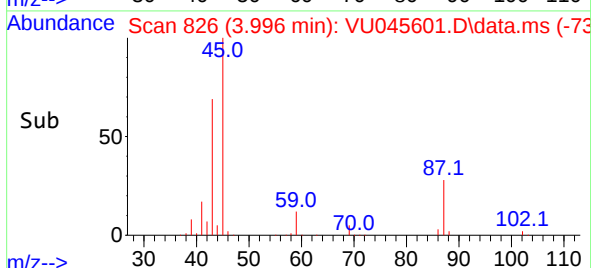
Tgt Ion: 96 Resp: 79760  
Ion Ratio Lower Upper  
96 100  
61 145.0 118.2 177.4  
98 63.8 52.1 78.1

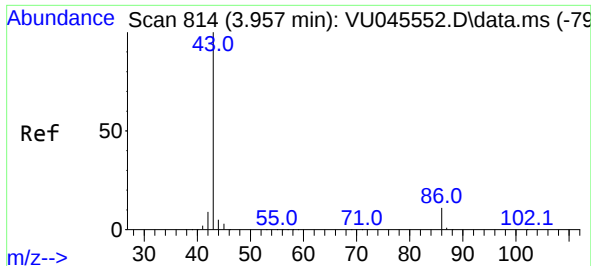


#22  
Diisopropyl ether  
Concen: 52.461 ug/l  
RT: 3.996 min Scan# 826  
Delta R.T. 0.000 min  
Lab File: VU045601.D  
Acq: 08 Nov 2021 09:28



Tgt Ion: 45 Resp: 272624  
Ion Ratio Lower Upper  
45 100  
43 67.8 60.0 90.0  
87 28.4 22.3 33.5  
59 12.0 9.9 14.9

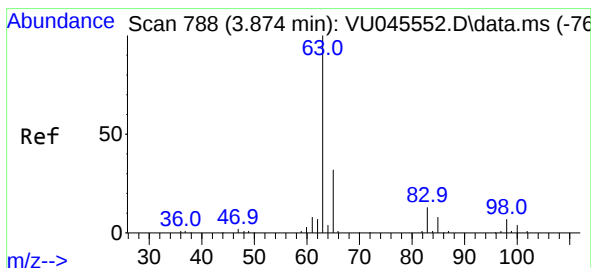
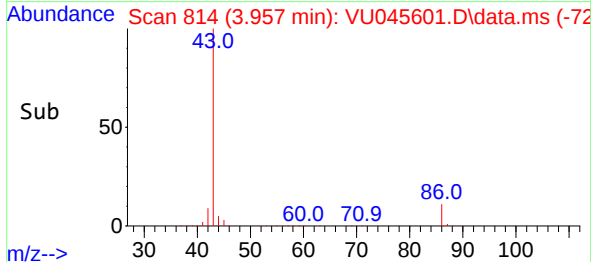
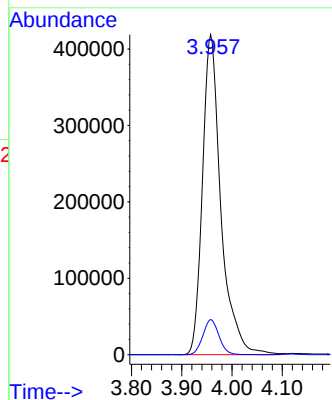
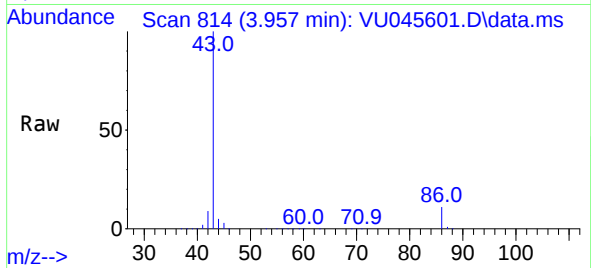




#23  
 Vinyl Acetate  
 Concen: 267.198 ug/l  
 RT: 3.957 min Scan# 814  
 Delta R.T. 0.000 min  
 Lab File: VU045601.D  
 Acq: 08 Nov 2021 09:28

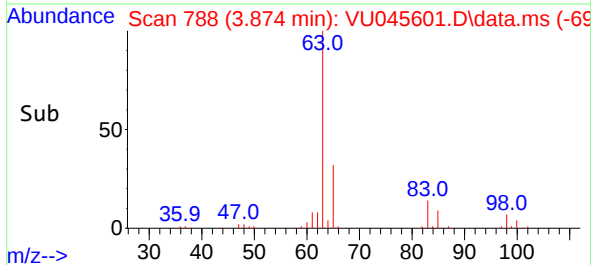
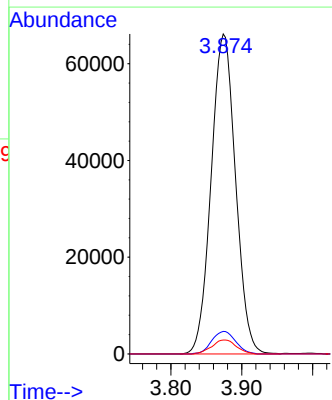
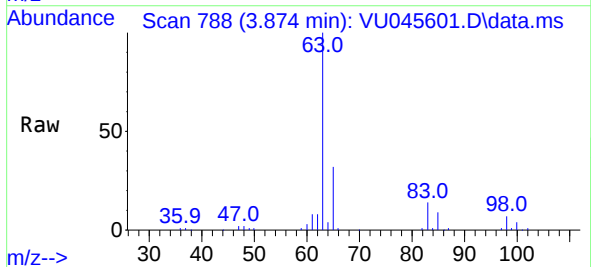
Instrument :  
 MSVOA\_U  
 ClientSampleId :

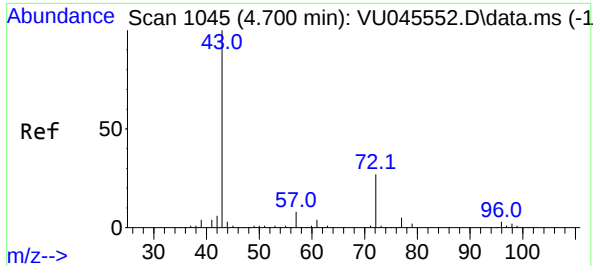
Tgt Ion: 43 Resp: 1067953  
 Ion Ratio Lower Upper  
 43 100  
 86 11.0 8.9 13.3



#24  
 1,1-Dichloroethane  
 Concen: 51.069 ug/l  
 RT: 3.874 min Scan# 788  
 Delta R.T. 0.000 min  
 Lab File: VU045601.D  
 Acq: 08 Nov 2021 09:28

Tgt Ion: 63 Resp: 158148  
 Ion Ratio Lower Upper  
 63 100  
 98 7.1 3.5 10.6  
 100 4.3 2.4 7.2

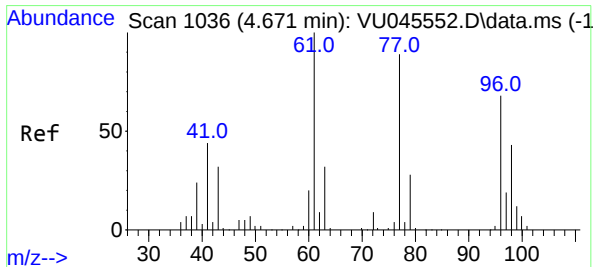
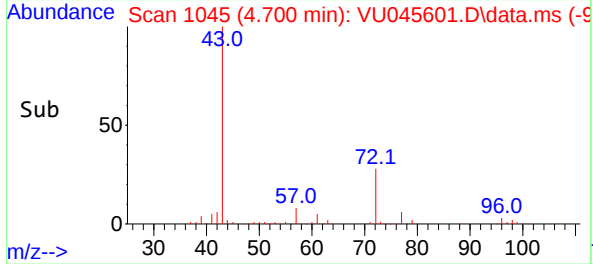
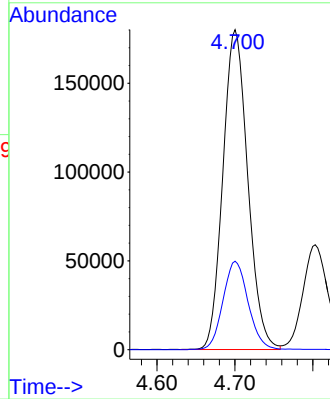
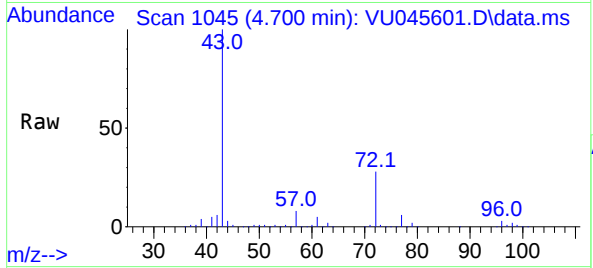




#25  
2-Butanone  
Concen: 280.256 ug/l  
RT: 4.700 min Scan# 1045  
Delta R.T. 0.000 min  
Lab File: VU045601.D  
Acq: 08 Nov 2021 09:28

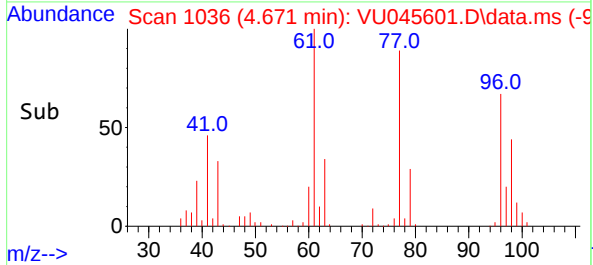
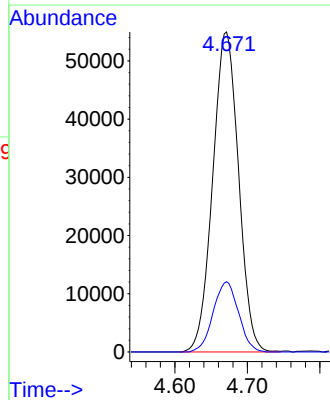
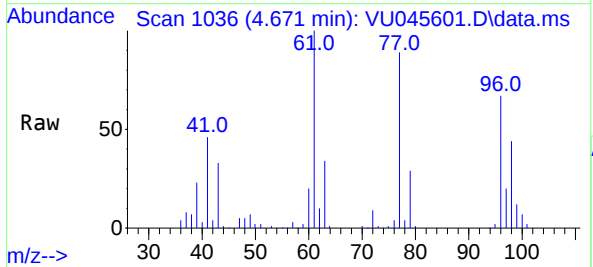
Instrument :  
MSVOA\_U  
ClientSampleId :

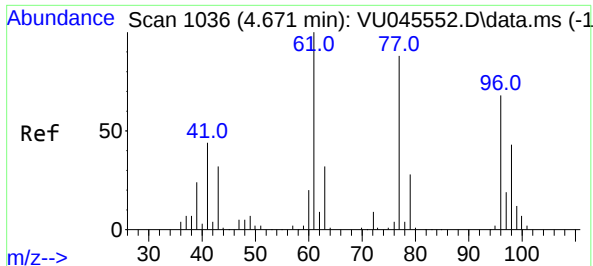
Tgt Ion: 43 Resp: 399240  
Ion Ratio Lower Upper  
43 100  
72 27.7 22.0 33.0



#26  
2,2-Dichloropropane  
Concen: 52.892 ug/l  
RT: 4.671 min Scan# 1036  
Delta R.T. 0.000 min  
Lab File: VU045601.D  
Acq: 08 Nov 2021 09:28

Tgt Ion: 77 Resp: 135727  
Ion Ratio Lower Upper  
77 100  
97 21.5 11.4 34.1

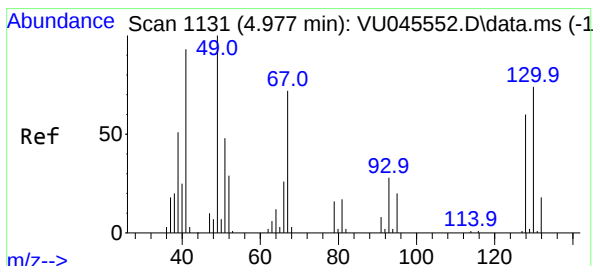
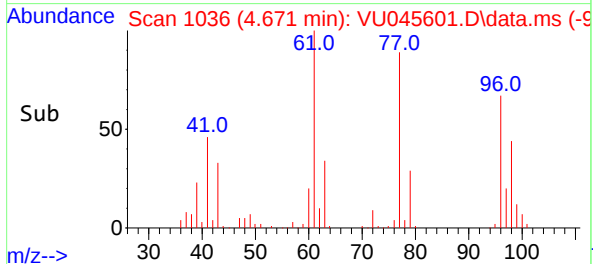
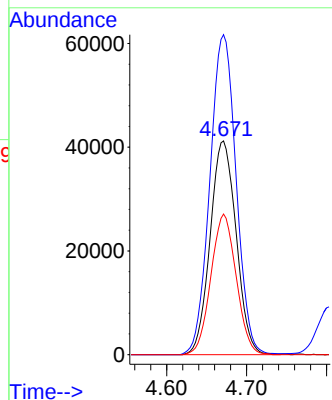
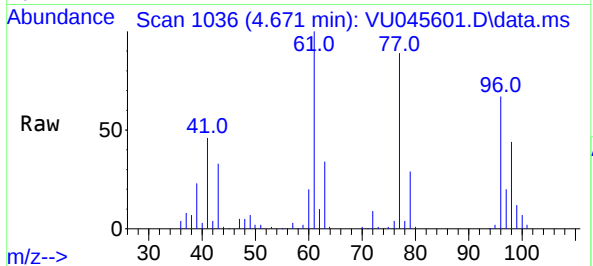




#27  
 cis-1,2-Dichloroethene  
 Concen: 51.470 ug/l  
 RT: 4.671 min Scan# 1036  
 Delta R.T. 0.000 min  
 Lab File: VU045601.D  
 Acq: 08 Nov 2021 09:28

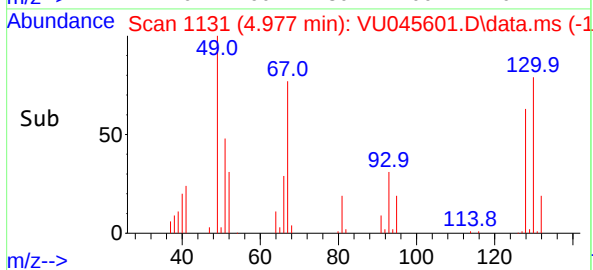
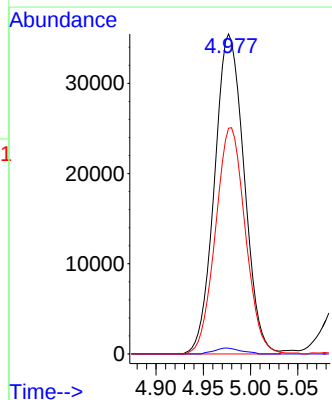
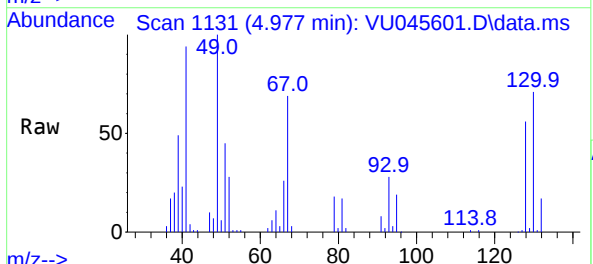
Instrument :  
 MSVOA\_U  
 ClientSampleId :

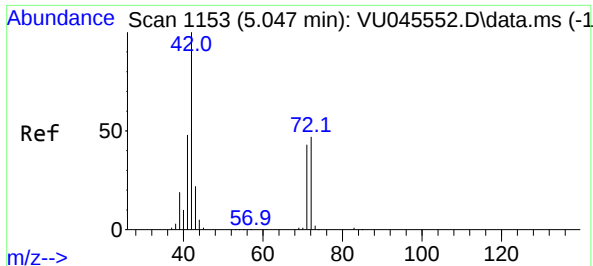
Tgt Ion: 96 Resp: 93220  
 Ion Ratio Lower Upper  
 96 100  
 61 150.9 0.0 299.2  
 98 63.9 0.0 127.6



#28  
 Bromochloromethane  
 Concen: 52.354 ug/l  
 RT: 4.977 min Scan# 1131  
 Delta R.T. 0.000 min  
 Lab File: VU045601.D  
 Acq: 08 Nov 2021 09:28

Tgt Ion: 49 Resp: 77293  
 Ion Ratio Lower Upper  
 49 100  
 129 1.7 0.0 3.4  
 130 71.2 57.5 86.3

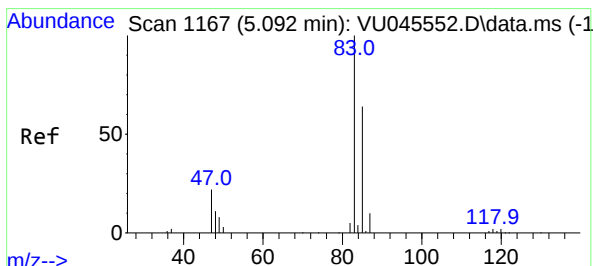
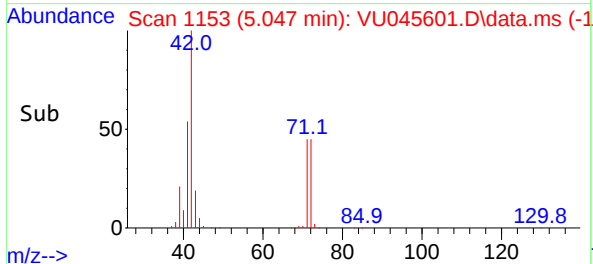
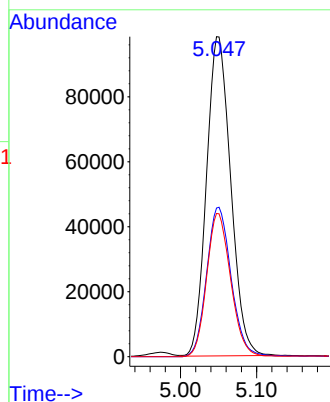
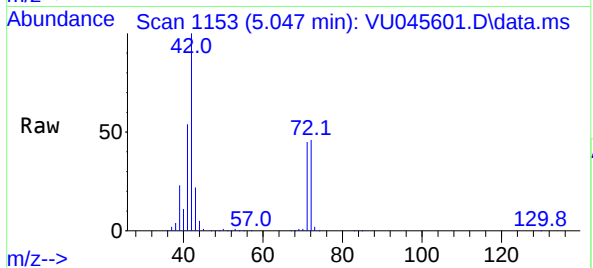




#29  
Tetrahydrofuran  
Concen: 249.664 ug/l  
RT: 5.047 min Scan# 1153  
Delta R.T. 0.000 min  
Lab File: VU045601.D  
Acq: 08 Nov 2021 09:28

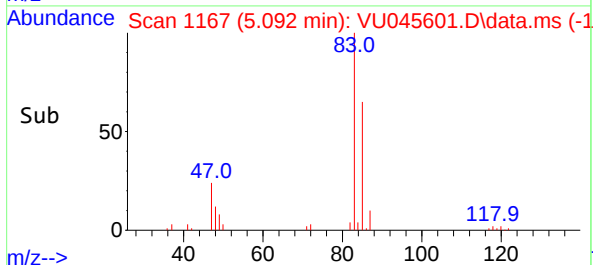
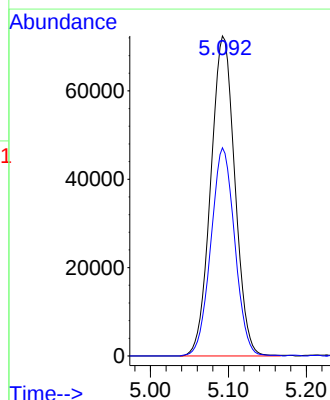
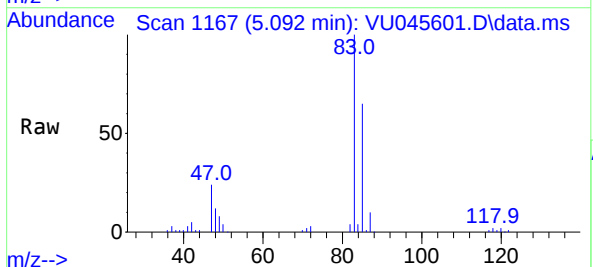
Instrument :  
MSVOA\_U  
ClientSampleId :

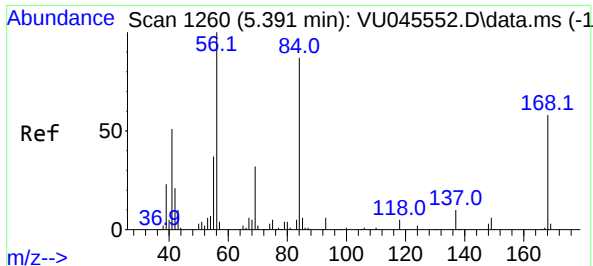
Tgt Ion: 42 Resp: 217551  
Ion Ratio Lower Upper  
42 100  
72 47.4 38.2 57.4  
71 44.4 35.4 53.2



#30  
Chloroform  
Concen: 50.846 ug/l  
RT: 5.092 min Scan# 1167  
Delta R.T. 0.000 min  
Lab File: VU045601.D  
Acq: 08 Nov 2021 09:28

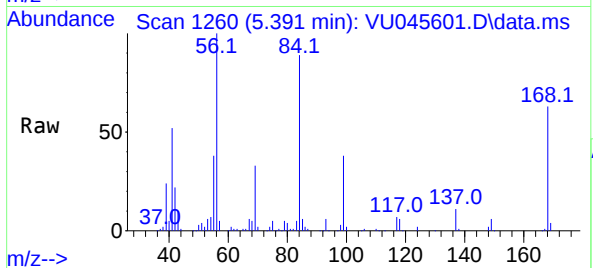
Tgt Ion: 83 Resp: 155726  
Ion Ratio Lower Upper  
83 100  
85 65.0 52.0 78.0



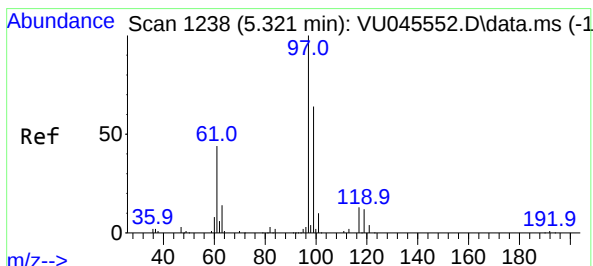
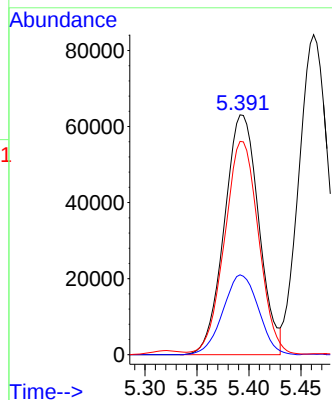
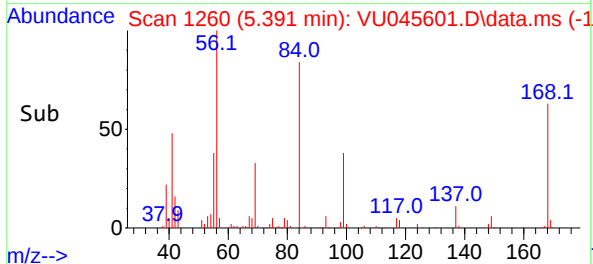


#31  
Cyclohexane  
Concen: 49.479 ug/l  
RT: 5.391 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VU045601.D  
Acq: 08 Nov 2021 09:28

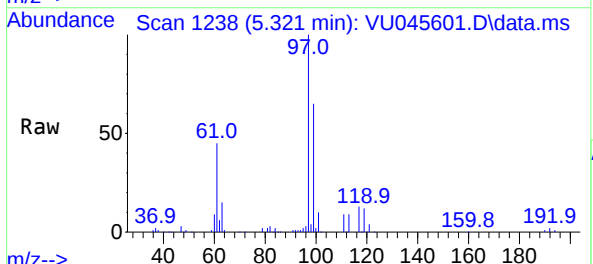
Instrument :  
MSVOA\_U  
ClientSampleId :



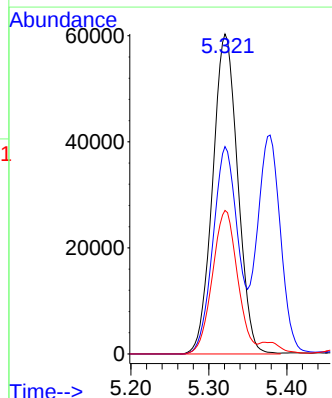
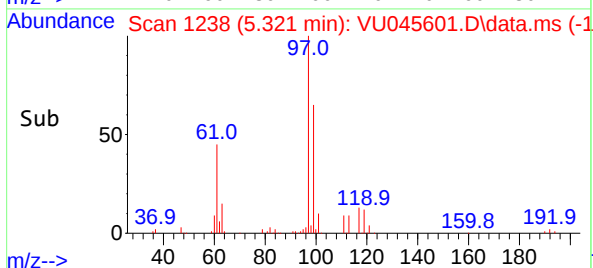
Tgt Ion: 56 Resp: 145667  
Ion Ratio Lower Upper  
56 100  
69 33.3 26.4 39.6  
84 87.7 68.4 102.6

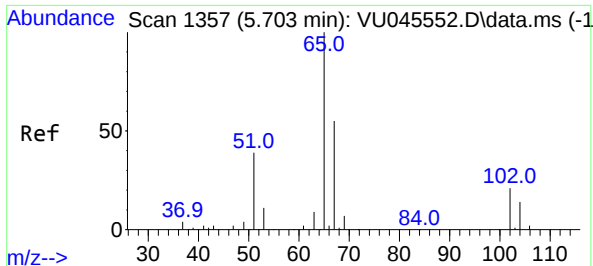


#32  
1,1,1-Trichloroethane  
Concen: 51.668 ug/l  
RT: 5.321 min Scan# 1238  
Delta R.T. 0.000 min  
Lab File: VU045601.D  
Acq: 08 Nov 2021 09:28



Tgt Ion: 97 Resp: 134945  
Ion Ratio Lower Upper  
97 100  
99 64.5 50.8 76.2  
61 45.1 38.3 57.5





#33

1,2-Dichloroethane-d4

Concen: 49.758 ug/l

RT: 5.703 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU045601.D

Acq: 08 Nov 2021 09:28

Instrument :

MSVOA\_U

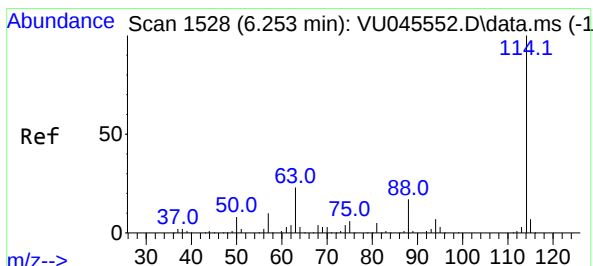
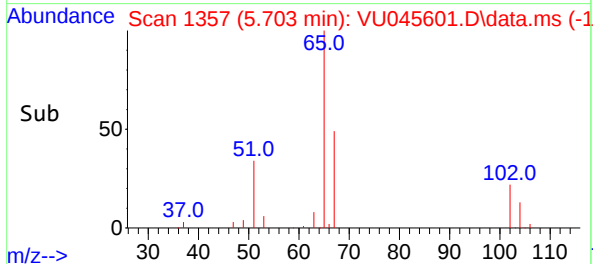
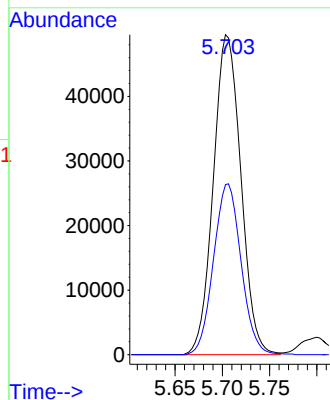
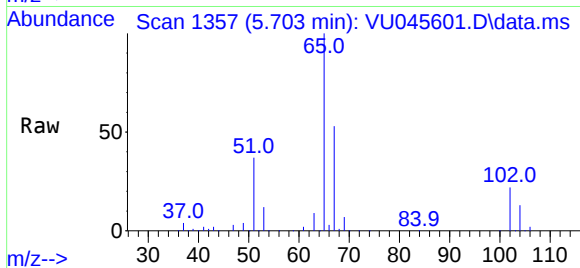
ClientSampleId :

Tgt Ion: 65 Resp: 100397

Ion Ratio Lower Upper

65 100

67 53.5 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.253 min Scan# 1528

Delta R.T. 0.000 min

Lab File: VU045601.D

Acq: 08 Nov 2021 09:28

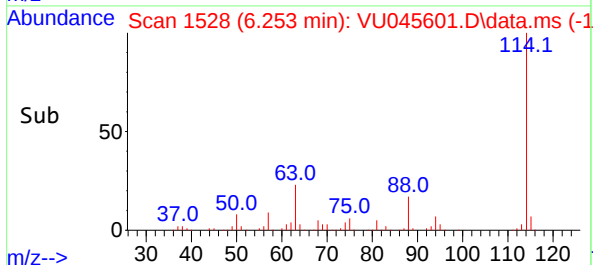
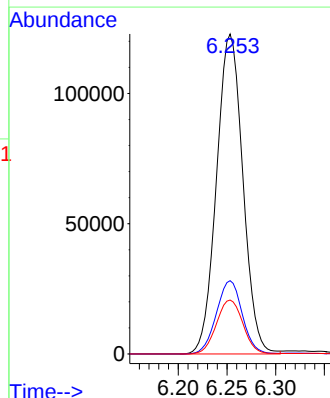
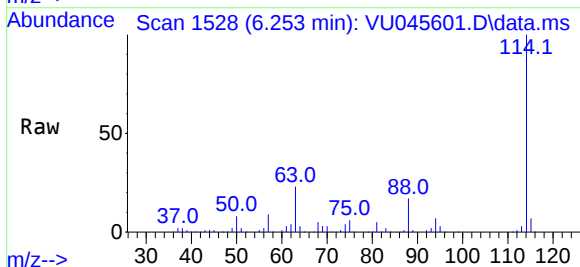
Tgt Ion: 114 Resp: 231137

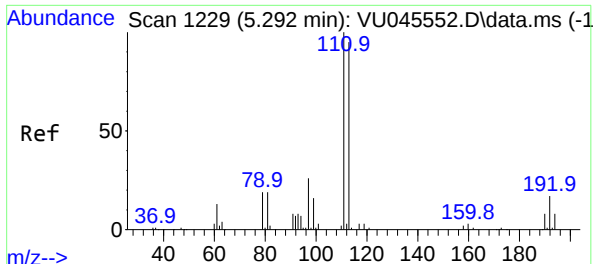
Ion Ratio Lower Upper

114 100

63 22.9 0.0 45.6

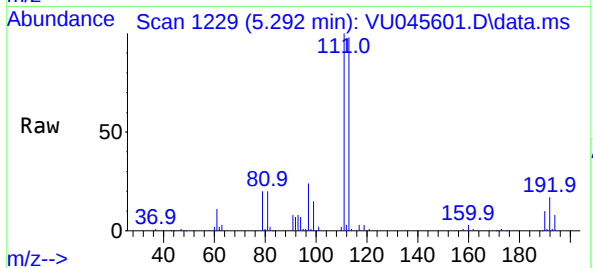
88 16.8 0.0 33.8



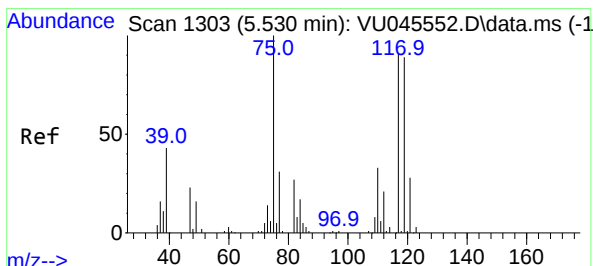
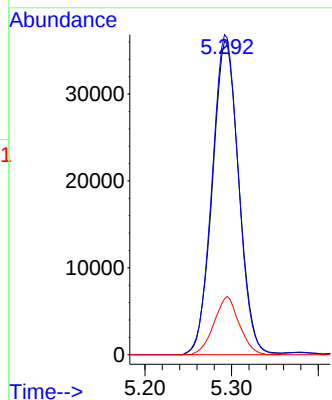
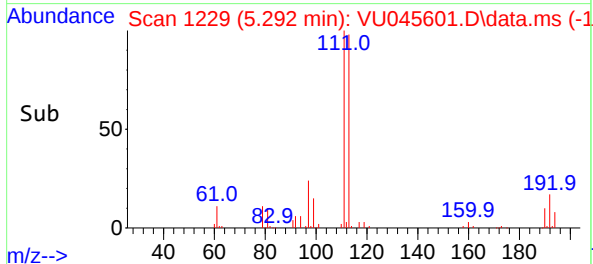


#35  
Dibromofluoromethane  
Concen: 49.660 ug/l  
RT: 5.292 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VU045601.D  
Acq: 08 Nov 2021 09:28

Instrument :  
MSVOA\_U  
ClientSampleId :

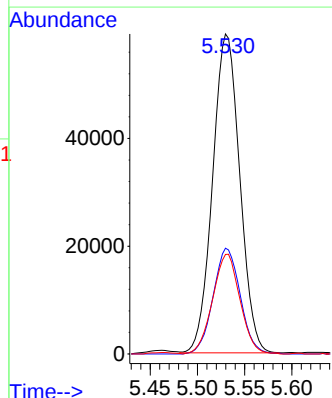
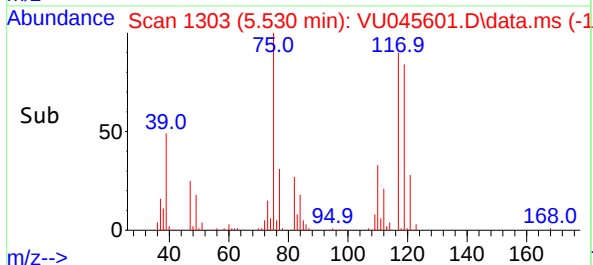
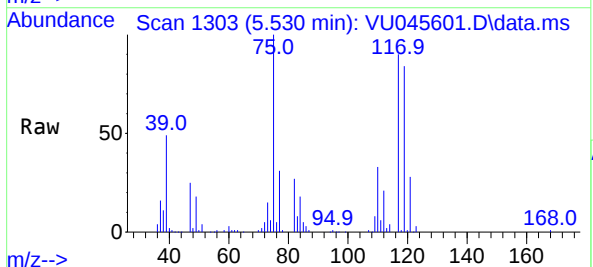


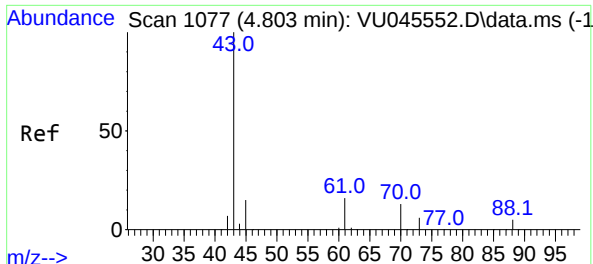
Tgt Ion:113 Resp: 76635  
Ion Ratio Lower Upper  
113 100  
111 101.8 82.8 124.2  
192 17.6 14.8 22.2



#36  
1,1-Dichloropropene  
Concen: 52.387 ug/l  
RT: 5.530 min Scan# 1303  
Delta R.T. 0.000 min  
Lab File: VU045601.D  
Acq: 08 Nov 2021 09:28

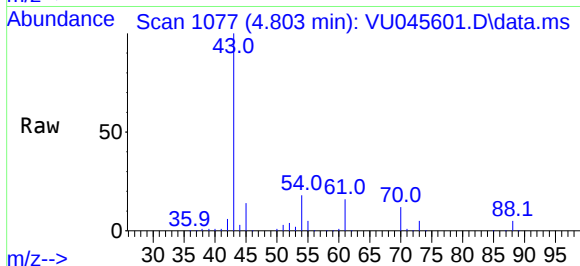
Tgt Ion: 75 Resp: 118068  
Ion Ratio Lower Upper  
75 100  
110 33.2 16.7 50.0  
77 31.6 25.0 37.4



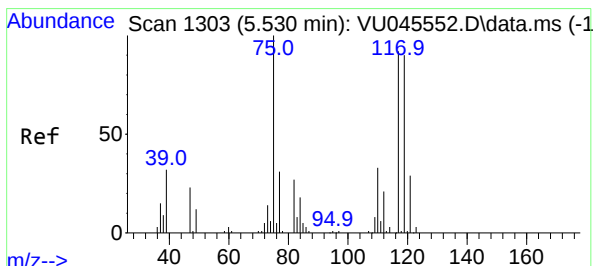
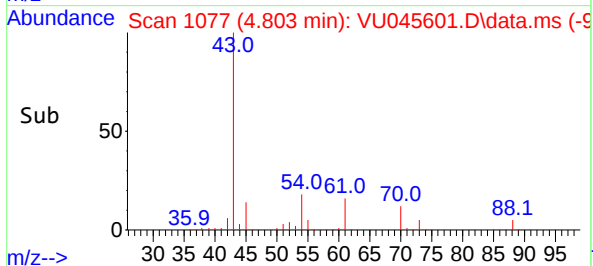
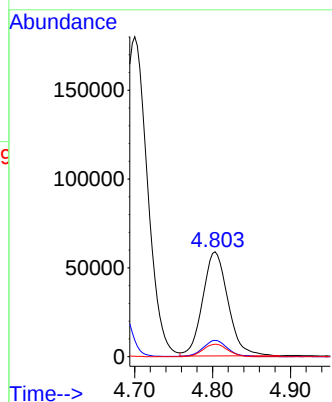


#37  
Ethyl Acetate  
Concen: 51.353 ug/l  
RT: 4.803 min Scan# 1077  
Delta R.T. 0.000 min  
Lab File: VU045601.D  
Acq: 08 Nov 2021 09:28

Instrument :  
MSVOA\_U  
ClientSampleId :

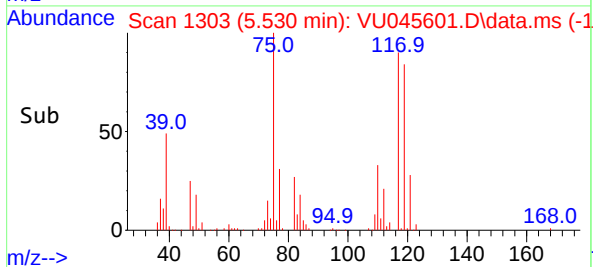
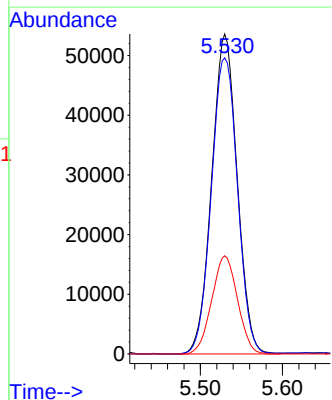
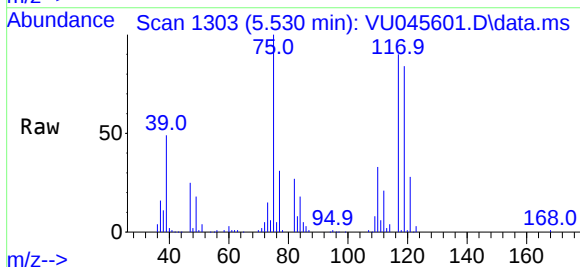


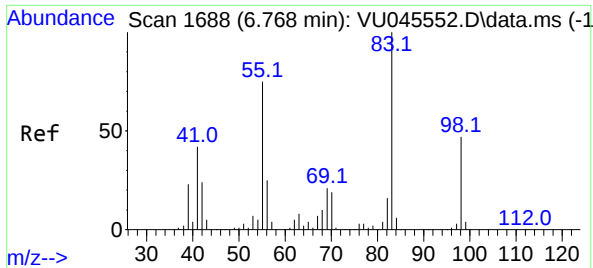
Tgt Ion: 43 Resp: 132949  
Ion Ratio Lower Upper  
43 100  
61 14.7 11.6 17.4  
70 11.7 9.1 13.7



#38  
Carbon Tetrachloride  
Concen: 50.905 ug/l  
RT: 5.530 min Scan# 1303  
Delta R.T. 0.000 min  
Lab File: VU045601.D  
Acq: 08 Nov 2021 09:28

Tgt Ion: 117 Resp: 115664  
Ion Ratio Lower Upper  
117 100  
119 92.6 77.4 116.0  
121 30.7 24.8 37.2

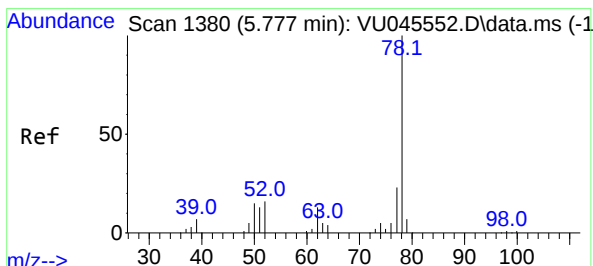
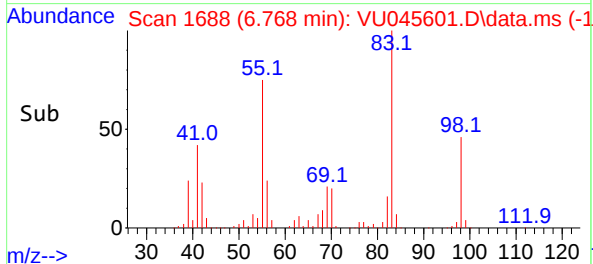
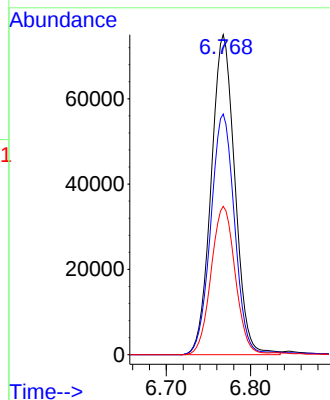
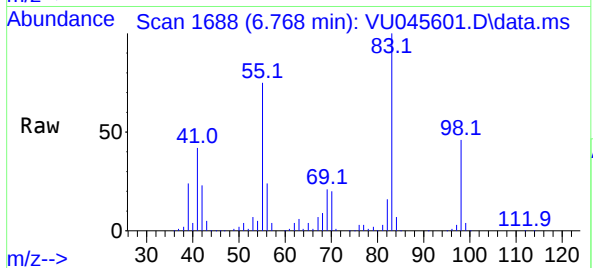




#39  
Methylcyclohexane  
Concen: 53.048 ug/l  
RT: 6.768 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VU045601.D  
Acq: 08 Nov 2021 09:28

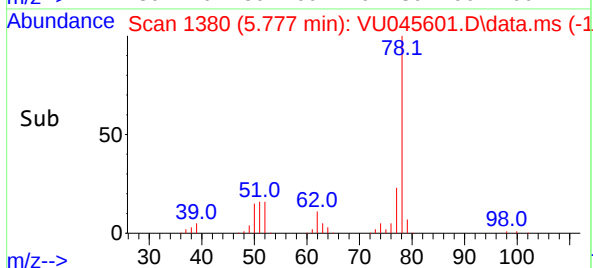
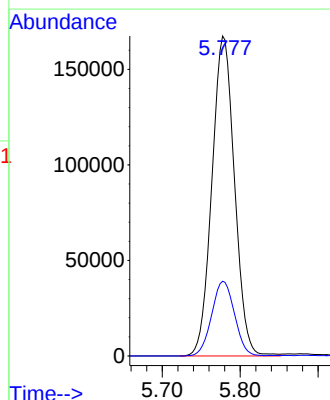
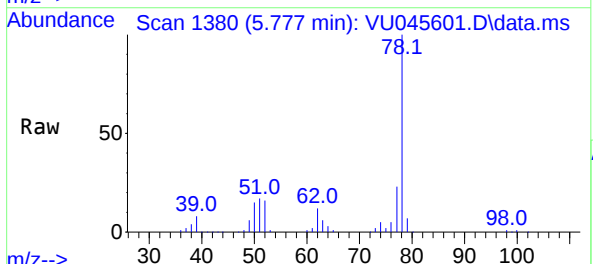
Instrument :  
MSVOA\_U  
ClientSampleId :

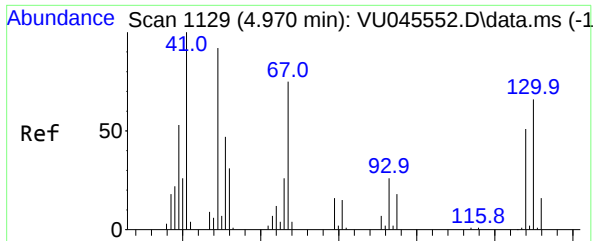
Tgt Ion: 83 Resp: 146672  
Ion Ratio Lower Upper  
83 100  
55 75.2 63.6 95.4  
98 46.3 37.1 55.7



#40  
Benzene  
Concen: 50.539 ug/l  
RT: 5.777 min Scan# 1380  
Delta R.T. 0.000 min  
Lab File: VU045601.D  
Acq: 08 Nov 2021 09:28

Tgt Ion: 78 Resp: 337228  
Ion Ratio Lower Upper  
78 100  
77 23.3 19.0 28.4



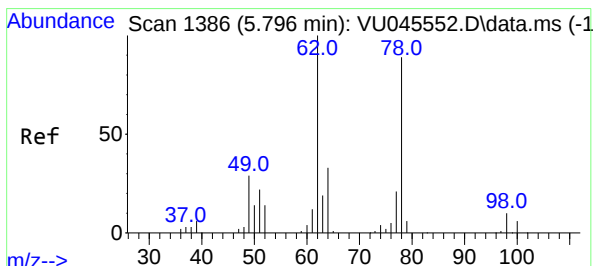
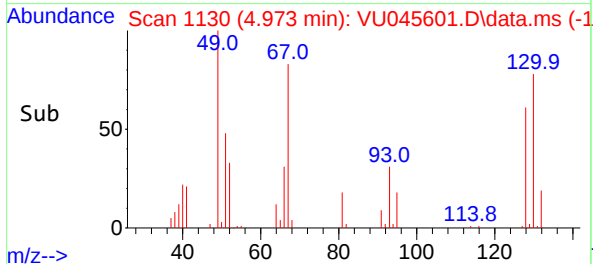
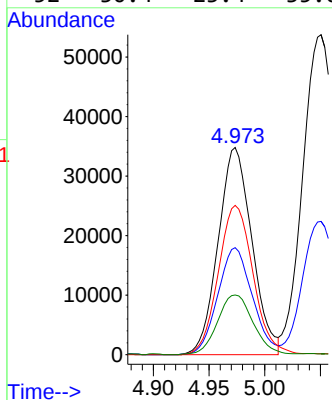
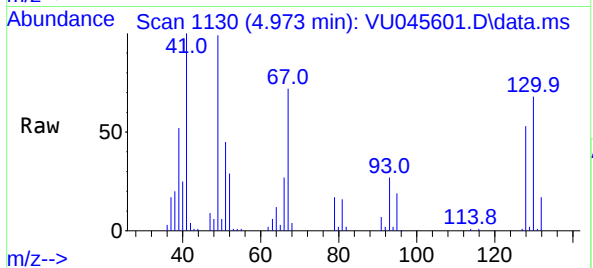


#41  
Methacrylonitrile  
Concen: 53.779 ug/l  
RT: 4.973 min Scan# 1129  
Delta R.T. 0.003 min  
Lab File: VU045601.D  
Acq: 08 Nov 2021 09:28

Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion: 41 Resp: 73578

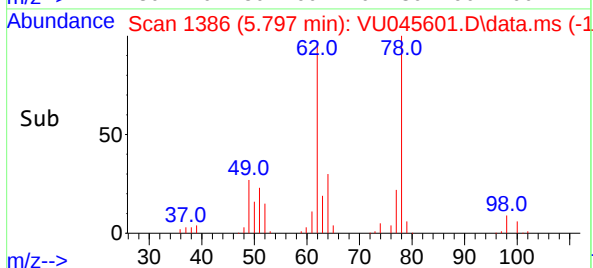
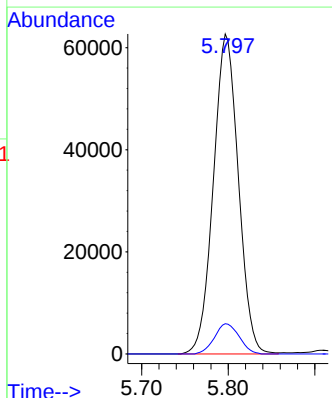
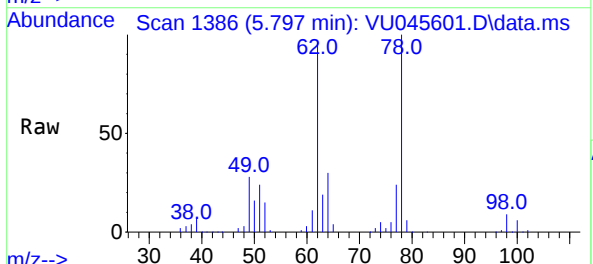
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 39  | 53.0  | 43.4  | 65.0  |
| 67  | 74.6  | 61.0  | 91.4  |
| 52  | 30.4  | 23.4  | 35.0  |

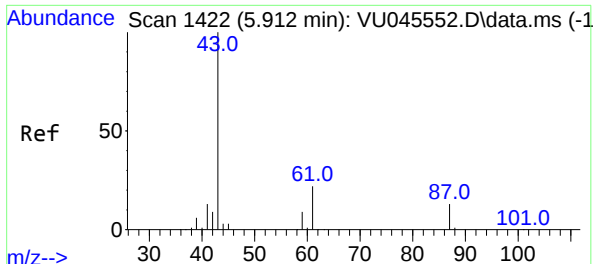


#42  
1,2-Dichloroethane  
Concen: 52.025 ug/l  
RT: 5.797 min Scan# 1386  
Delta R.T. 0.000 min  
Lab File: VU045601.D  
Acq: 08 Nov 2021 09:28

Tgt Ion: 62 Resp: 125389

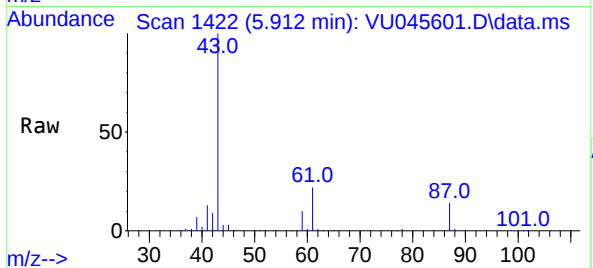
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 62  | 100   |       |       |
| 98  | 9.4   | 0.0   | 18.4  |



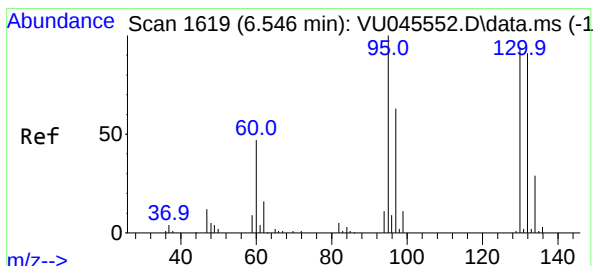
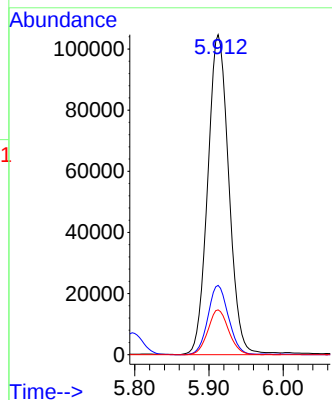
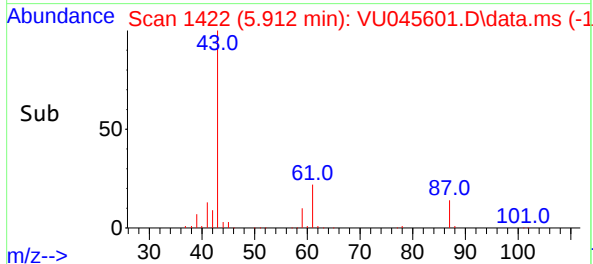


#43  
Isopropyl Acetate  
Concen: 52.163 ug/l  
RT: 5.912 min Scan# 1422  
Delta R.T. 0.000 min  
Lab File: VU045601.D  
Acq: 08 Nov 2021 09:28

Instrument :  
MSVOA\_U  
ClientSampleId :

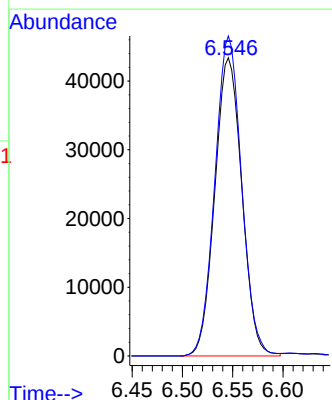
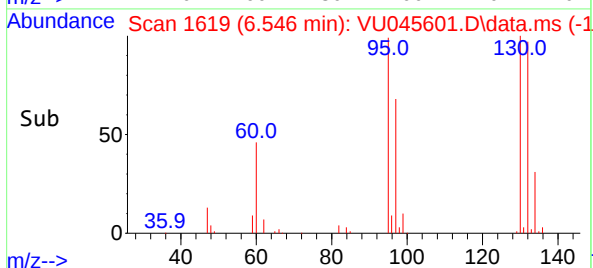
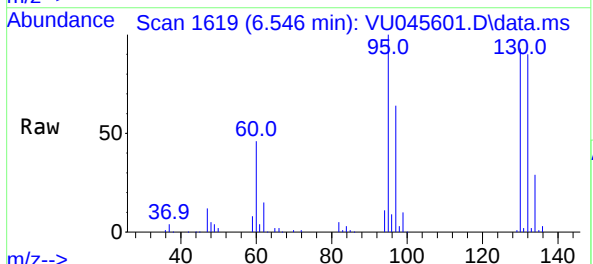


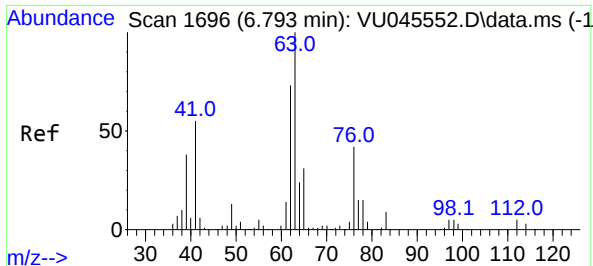
Tgt Ion: 43 Resp: 206560  
Ion Ratio Lower Upper  
43 100  
61 21.1 16.9 25.3  
87 13.8 11.0 16.4



#44  
Trichloroethene  
Concen: 50.775 ug/l  
RT: 6.546 min Scan# 1619  
Delta R.T. 0.000 min  
Lab File: VU045601.D  
Acq: 08 Nov 2021 09:28

Tgt Ion:130 Resp: 81098  
Ion Ratio Lower Upper  
130 100  
95 107.3 0.0 211.4





#45

1,2-Dichloropropane

Concen: 52.007 ug/l

RT: 6.793 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU045601.D

Acq: 08 Nov 2021 09:28

Instrument :

MSVOA\_U

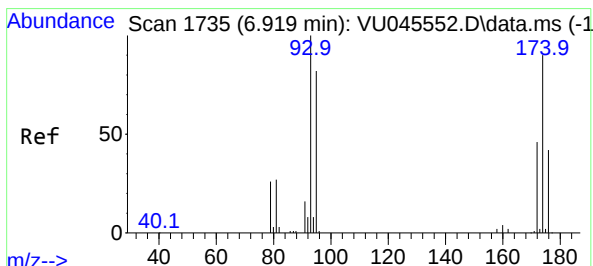
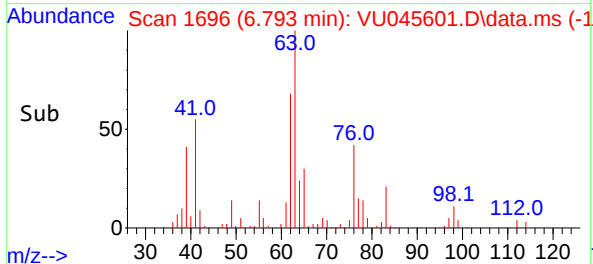
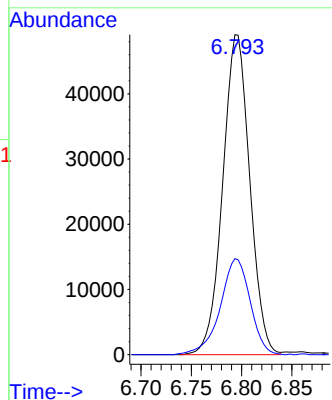
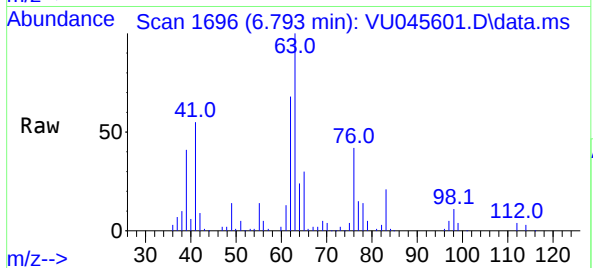
ClientSampleId :

Tgt Ion: 63 Resp: 91821

Ion Ratio Lower Upper

63 100

65 29.8 25.7 38.5



#46

Dibromomethane

Concen: 51.131 ug/l

RT: 6.922 min Scan# 1736

Delta R.T. 0.003 min

Lab File: VU045601.D

Acq: 08 Nov 2021 09:28

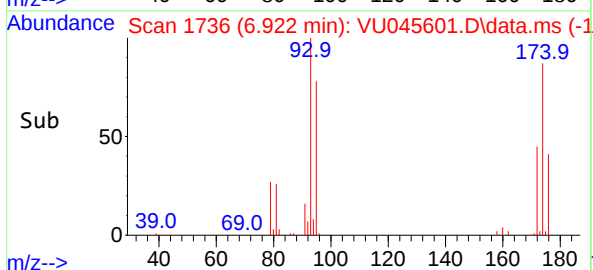
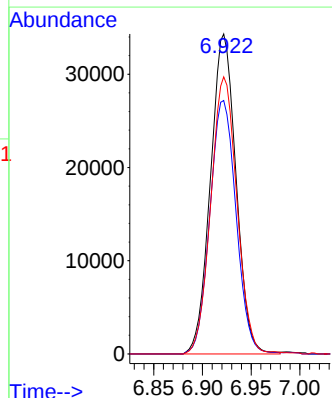
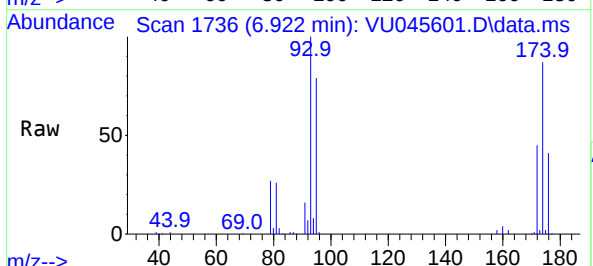
Tgt Ion: 93 Resp: 62551

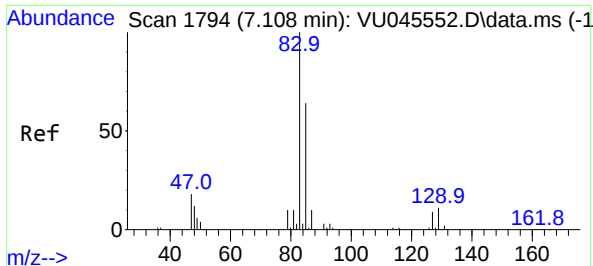
Ion Ratio Lower Upper

93 100

95 81.3 66.2 99.2

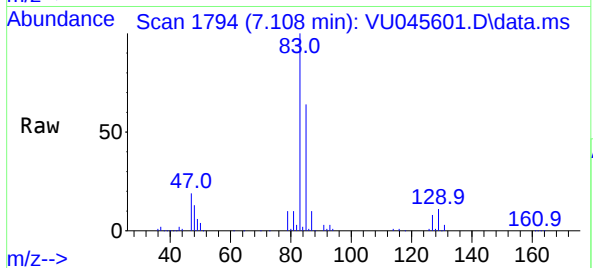
174 88.6 71.0 106.6



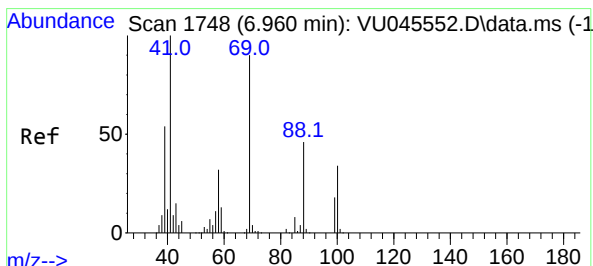
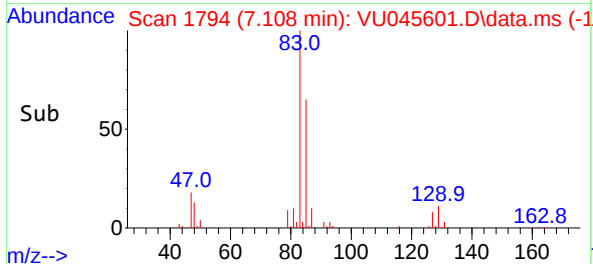
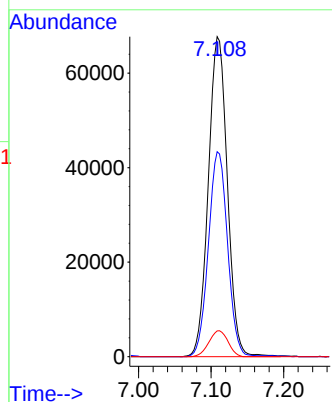


#47  
Bromodichloromethane  
Concen: 53.257 ug/l  
RT: 7.108 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VU045601.D  
Acq: 08 Nov 2021 09:28

Instrument :  
MSVOA\_U  
ClientSampleId :

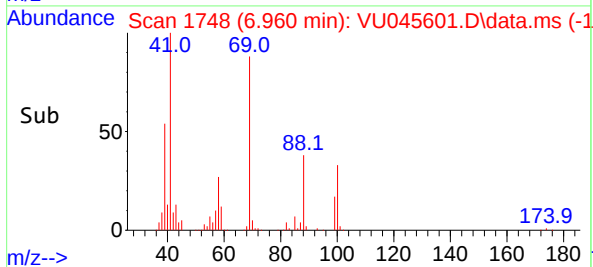
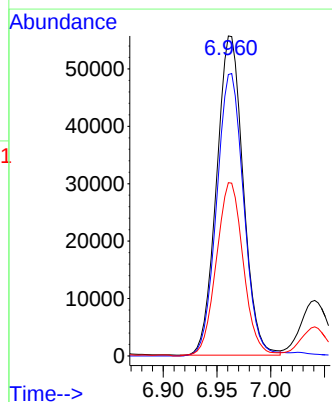
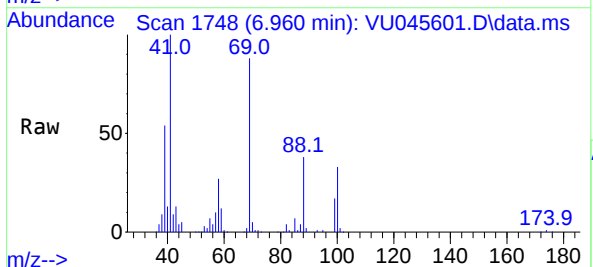


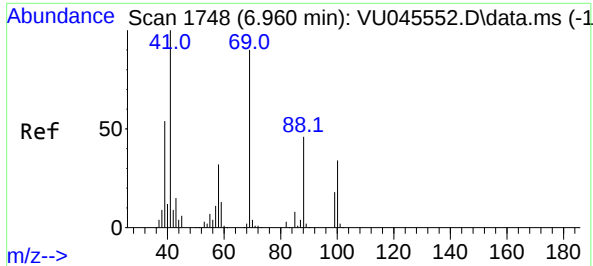
Tgt Ion: 83 Resp: 123621  
Ion Ratio Lower Upper  
83 100  
85 64.0 49.8 74.6  
127 8.0 6.2 9.2



#48  
Methyl methacrylate  
Concen: 52.676 ug/l  
RT: 6.960 min Scan# 1748  
Delta R.T. 0.000 min  
Lab File: VU045601.D  
Acq: 08 Nov 2021 09:28

Tgt Ion: 41 Resp: 96007  
Ion Ratio Lower Upper  
41 100  
69 89.8 70.2 105.2  
39 55.0 43.9 65.9

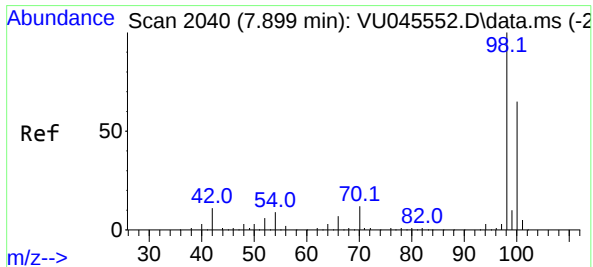
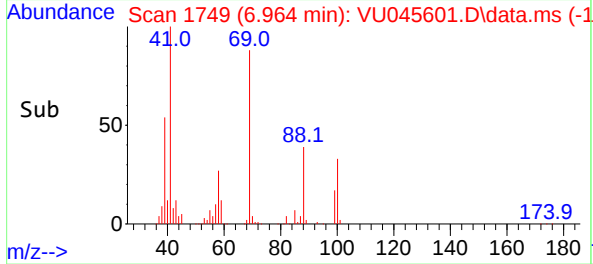
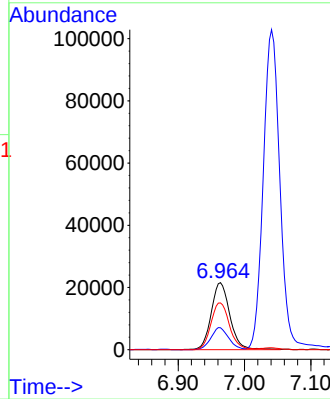
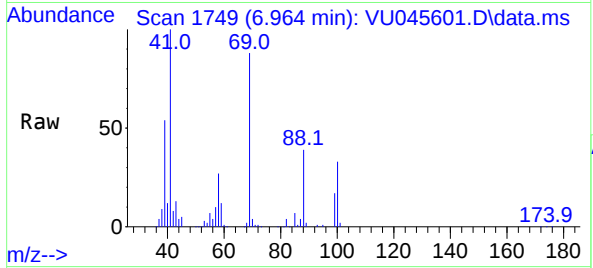




#49  
1,4-Dioxane  
Concen: 901.129 ug/l  
RT: 6.964 min Scan# 1  
Delta R.T. 0.003 min  
Lab File: VU045601.D  
Acq: 08 Nov 2021 09:28

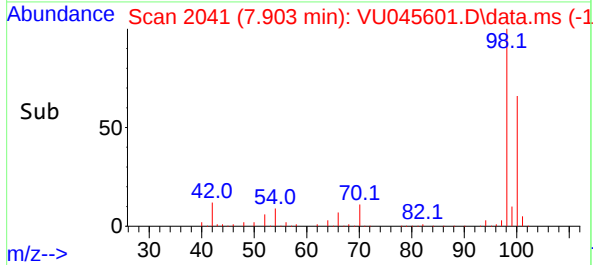
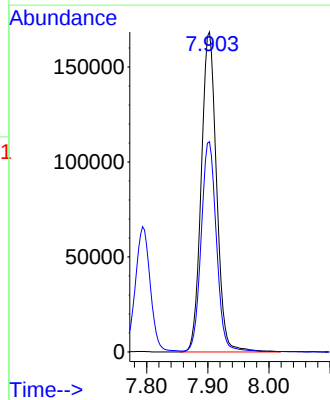
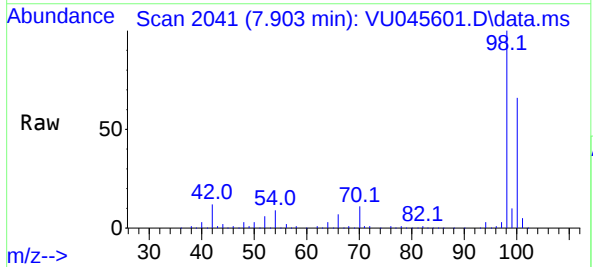
Instrument :  
MSVOA\_U  
ClientSampleId :

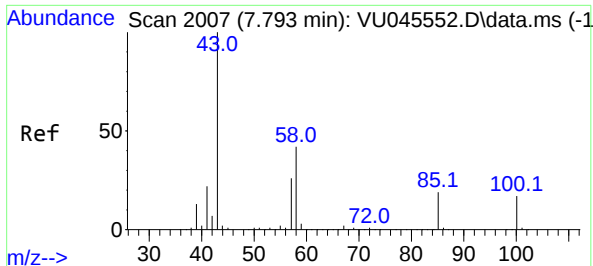
Tgt Ion: 88 Resp: 42237  
Ion Ratio Lower Upper  
88 100  
43 31.1 0.0 0.0#  
58 69.2 58.7 88.1



#50  
Toluene-d8  
Concen: 51.082 ug/l  
RT: 7.903 min Scan# 2041  
Delta R.T. 0.003 min  
Lab File: VU045601.D  
Acq: 08 Nov 2021 09:28

Tgt Ion: 98 Resp: 293122  
Ion Ratio Lower Upper  
98 100  
100 65.1 52.5 78.7

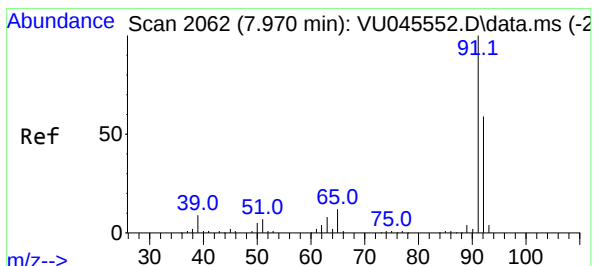
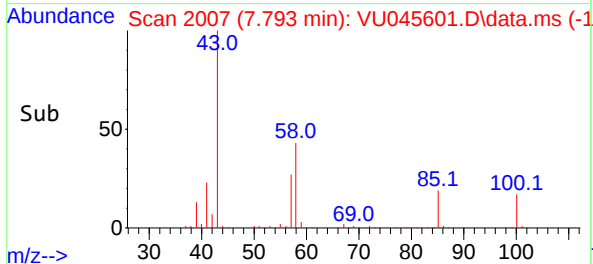
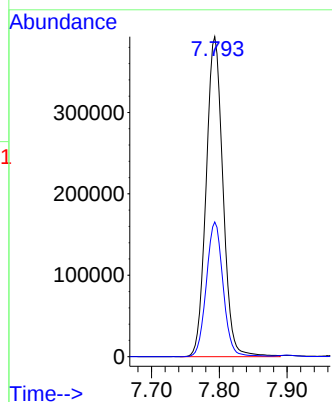
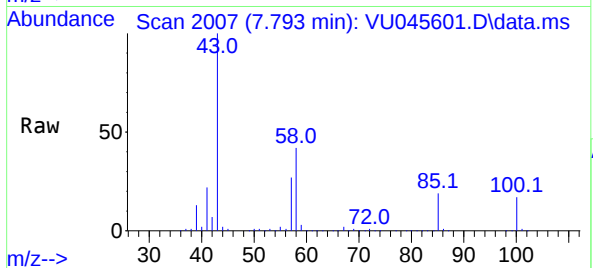




#51  
4-Methyl-2-Pentanone  
Concen: 259.915 ug/l  
RT: 7.793 min Scan# 2007  
Delta R.T. 0.000 min  
Lab File: VU045601.D  
Acq: 08 Nov 2021 09:28

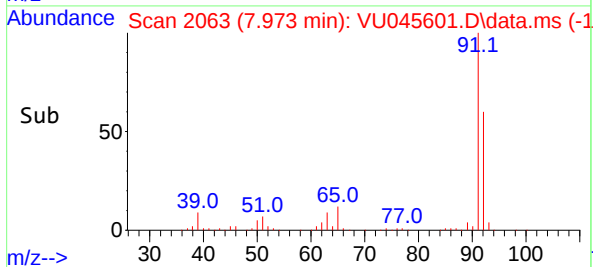
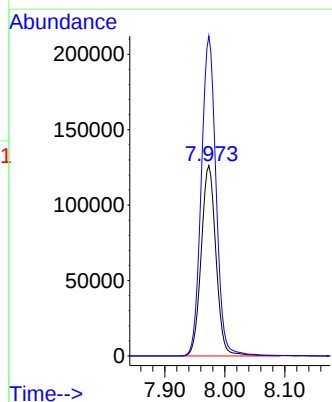
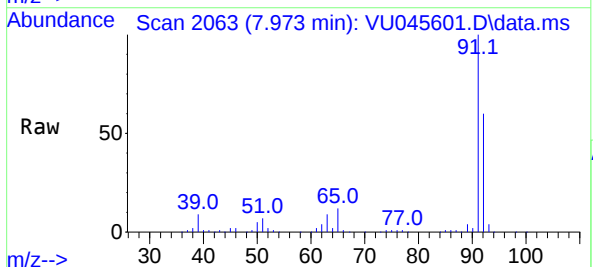
Instrument :  
MSVOA\_U  
ClientSampleId :

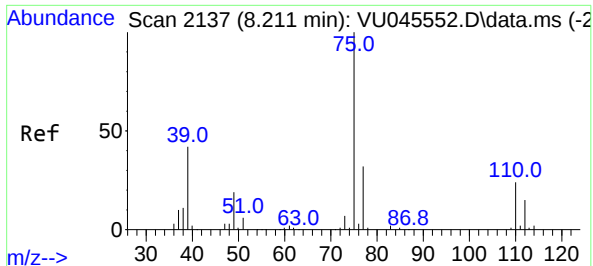
Tgt Ion: 43 Resp: 678938  
Ion Ratio Lower Upper  
43 100  
58 42.0 33.8 50.8



#52  
Toluene  
Concen: 53.039 ug/l  
RT: 7.973 min Scan# 2063  
Delta R.T. 0.003 min  
Lab File: VU045601.D  
Acq: 08 Nov 2021 09:28

Tgt Ion: 92 Resp: 216671  
Ion Ratio Lower Upper  
92 100  
91 168.5 135.6 203.4





#53

t-1,3-Dichloropropene

Concen: 54.308 ug/l

RT: 8.214 min Scan# 2138

Delta R.T. 0.003 min

Lab File: VU045601.D

Acq: 08 Nov 2021 09:28

Instrument :

MSVOA\_U

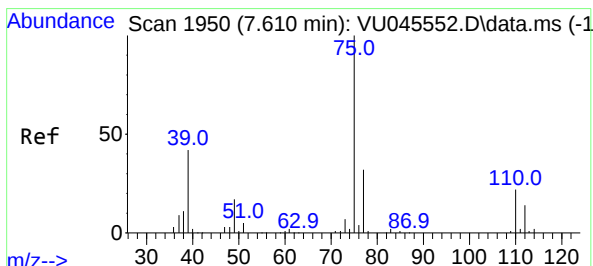
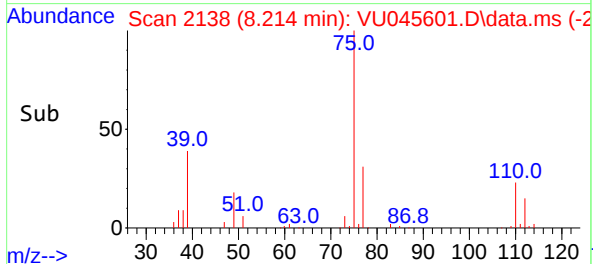
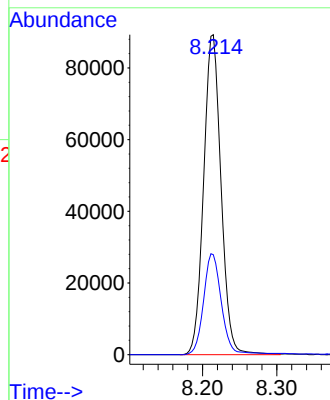
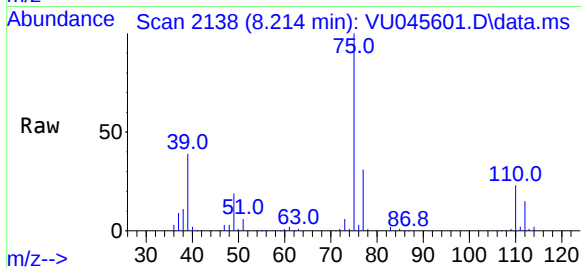
ClientSampleId :

Tgt Ion: 75 Resp: 144877

Ion Ratio Lower Upper

75 100

77 31.3 25.8 38.8



#54

cis-1,3-Dichloropropene

Concen: 53.622 ug/l

RT: 7.610 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VU045601.D

Acq: 08 Nov 2021 09:28

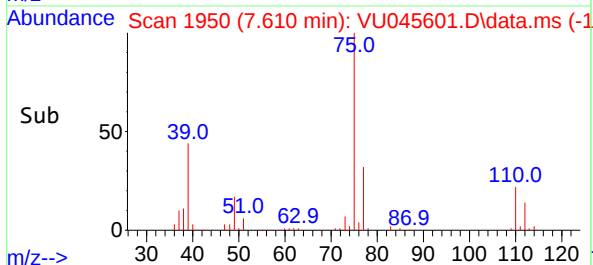
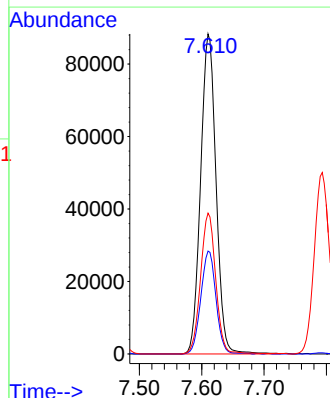
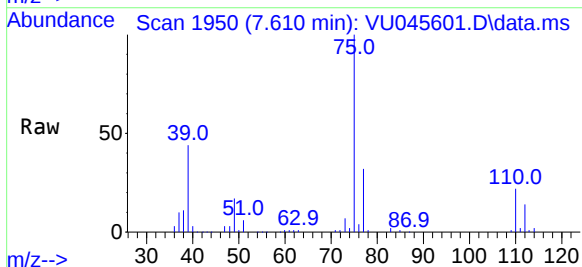
Tgt Ion: 75 Resp: 151938

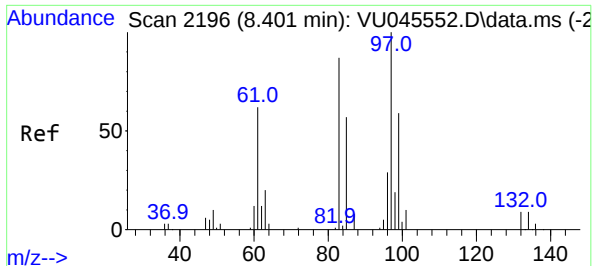
Ion Ratio Lower Upper

75 100

77 32.1 24.6 37.0

39 44.0 37.1 55.7



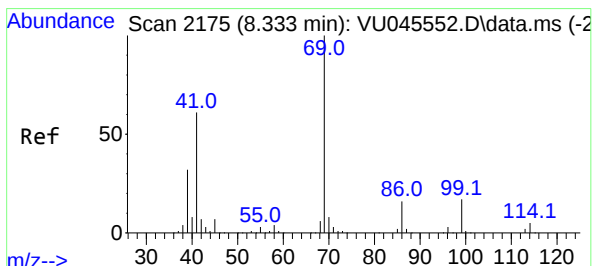
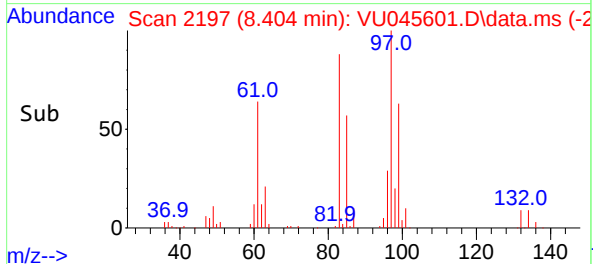
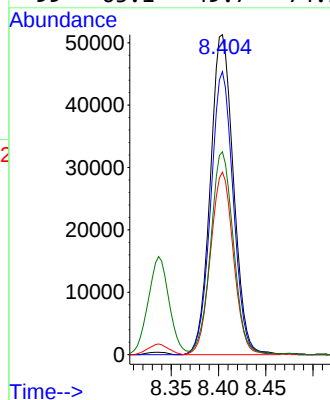
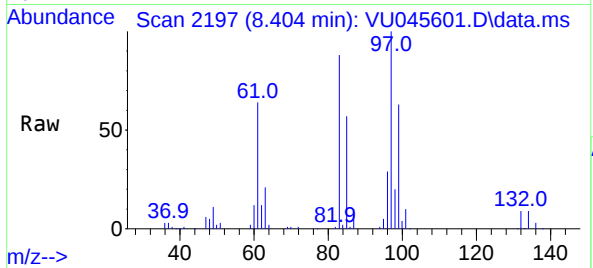


#55  
1,1,2-Trichloroethane  
Concen: 51.630 ug/l  
RT: 8.404 min Scan# 2196  
Delta R.T. 0.003 min  
Lab File: VU045601.D  
Acq: 08 Nov 2021 09:28

Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion: 97 Resp: 87413

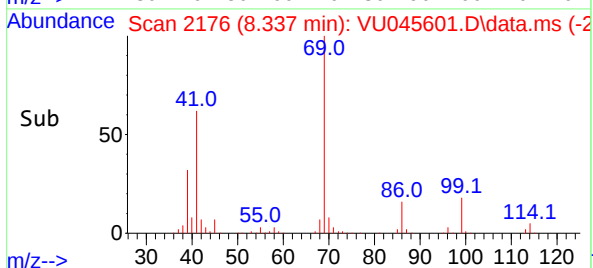
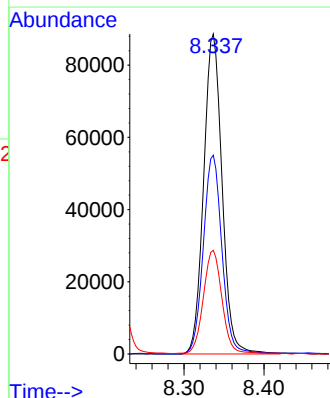
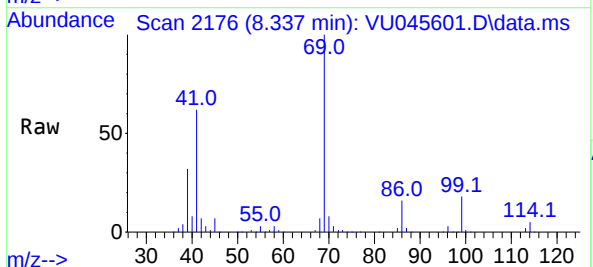
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 88.4  | 70.3  | 105.5 |
| 85  | 56.8  | 45.5  | 68.3  |
| 99  | 63.1  | 49.7  | 74.5  |

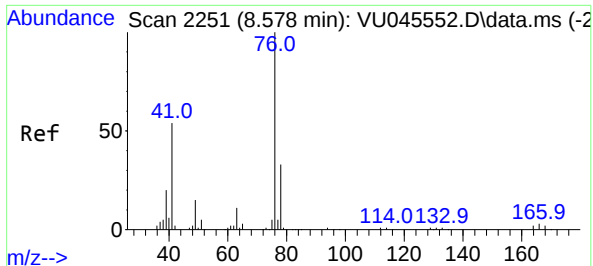


#56  
Ethyl methacrylate  
Concen: 47.071 ug/l  
RT: 8.337 min Scan# 2176  
Delta R.T. 0.004 min  
Lab File: VU045601.D  
Acq: 08 Nov 2021 09:28

Tgt Ion: 69 Resp: 142491

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 62.7  | 51.0  | 76.4  |
| 39  | 32.4  | 26.6  | 39.8  |

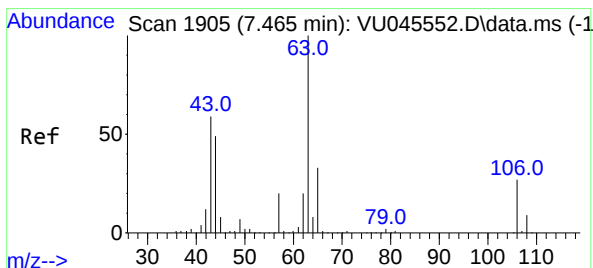
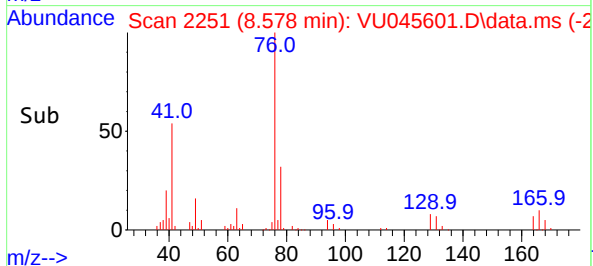
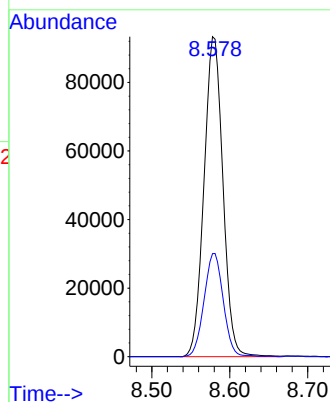
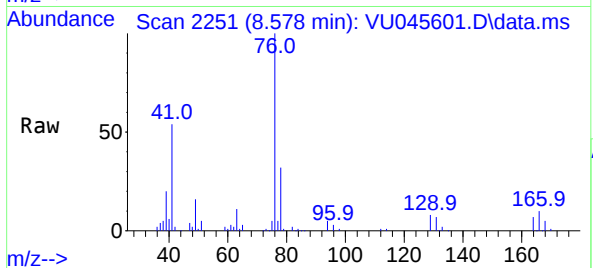




#57  
1,3-Dichloropropane  
Concen: 51.591 ug/l  
RT: 8.578 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VU045601.D  
Acq: 08 Nov 2021 09:28

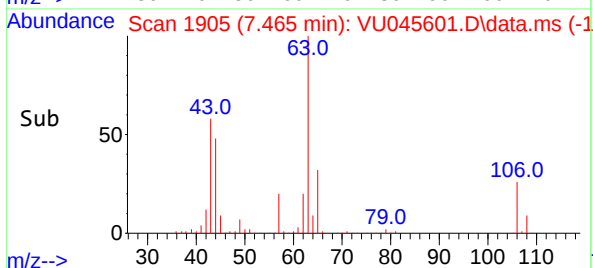
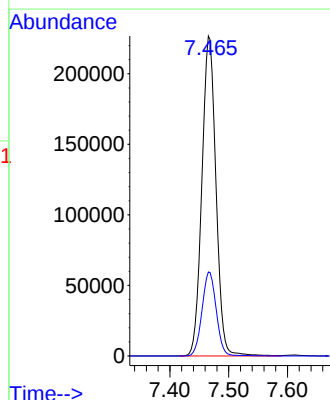
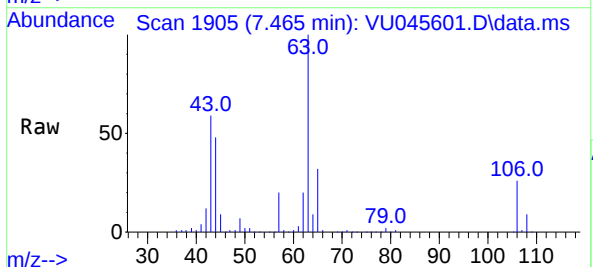
Instrument :  
MSVOA\_U  
ClientSampleId :

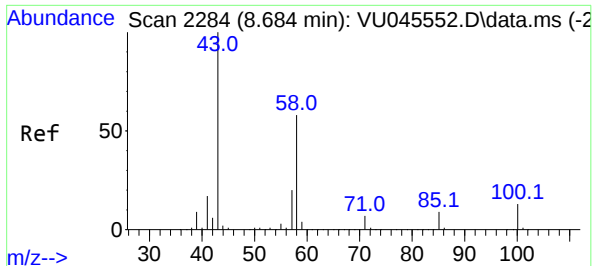
Tgt Ion: 76 Resp: 157323  
Ion Ratio Lower Upper  
76 100  
78 32.7 25.8 38.8



#58  
2-Chloroethyl Vinyl ether  
Concen: 241.925 ug/l  
RT: 7.465 min Scan# 1905  
Delta R.T. 0.000 min  
Lab File: VU045601.D  
Acq: 08 Nov 2021 09:28

Tgt Ion: 63 Resp: 377087  
Ion Ratio Lower Upper  
63 100  
106 26.3 21.0 31.4

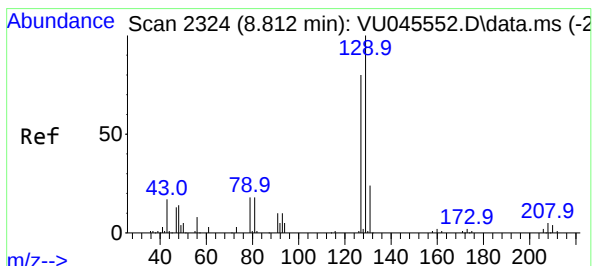
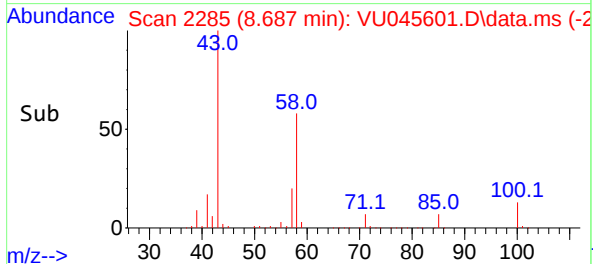
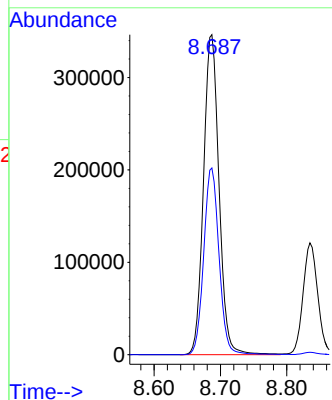
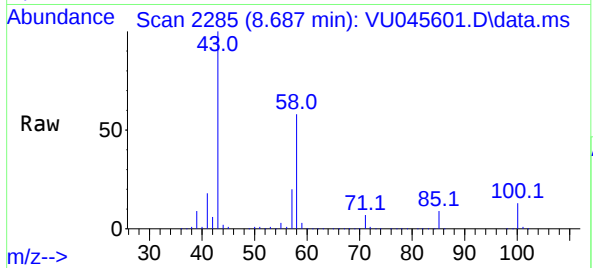




#59  
2-Hexanone  
Concen: 247.141 ug/l  
RT: 8.687 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VU045601.D  
Acq: 08 Nov 2021 09:28

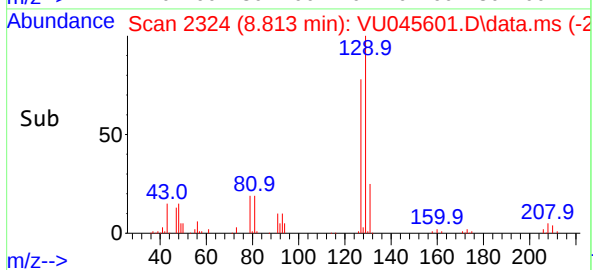
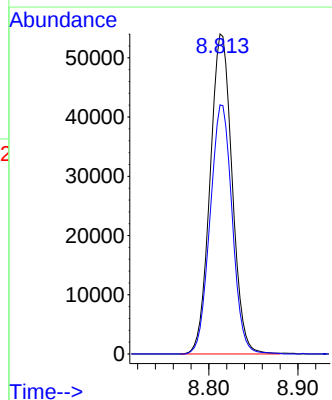
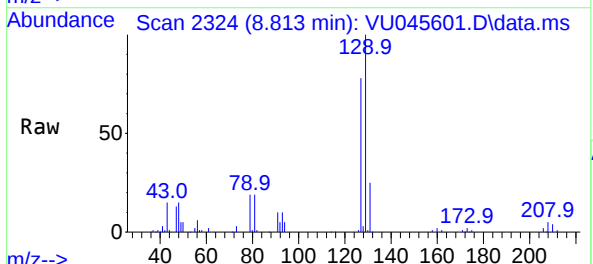
Instrument :  
MSVOA\_U  
ClientSampleId :

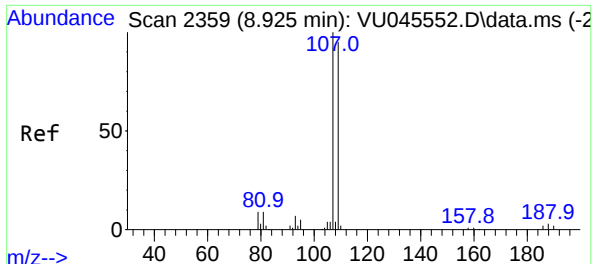
Tgt Ion: 43 Resp: 561529  
Ion Ratio Lower Upper  
43 100  
58 57.7 29.5 88.6



#60  
Dibromochloromethane  
Concen: 52.631 ug/l  
RT: 8.813 min Scan# 2324  
Delta R.T. 0.000 min  
Lab File: VU045601.D  
Acq: 08 Nov 2021 09:28

Tgt Ion:129 Resp: 92788  
Ion Ratio Lower Upper  
129 100  
127 78.0 38.5 115.3





#61

1,2-Dibromoethane

Concen: 51.390 ug/l

RT: 8.928 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU045601.D

Acq: 08 Nov 2021 09:28

Instrument :

MSVOA\_U

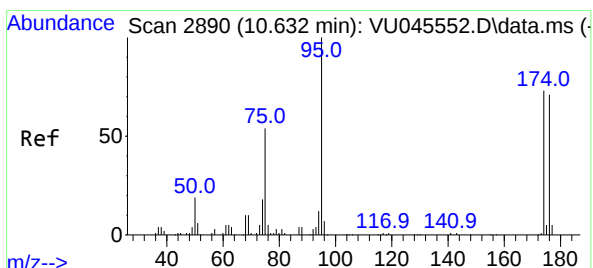
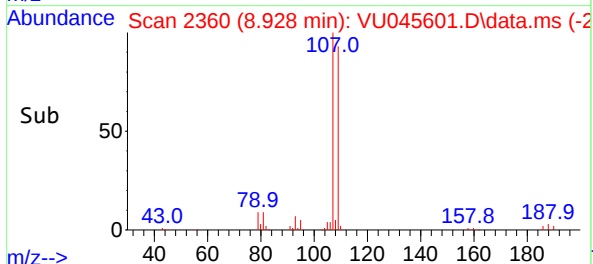
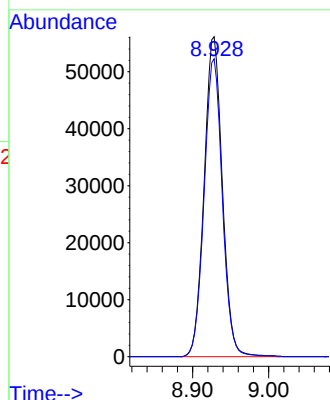
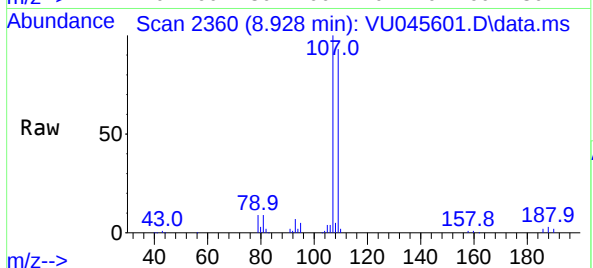
ClientSampleId :

Tgt Ion:107 Resp: 93316

Ion Ratio Lower Upper

107 100

109 93.0 75.8 113.8



#62

4-Bromofluorobenzene

Concen: 50.459 ug/l

RT: 10.636 min Scan# 2891

Delta R.T. 0.003 min

Lab File: VU045601.D

Acq: 08 Nov 2021 09:28

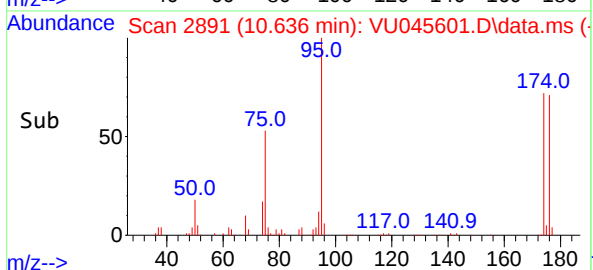
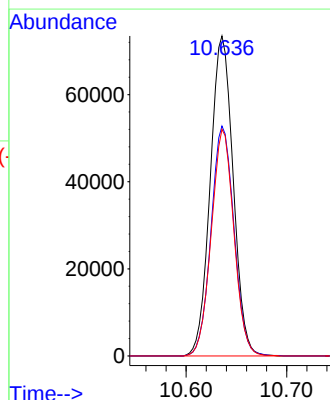
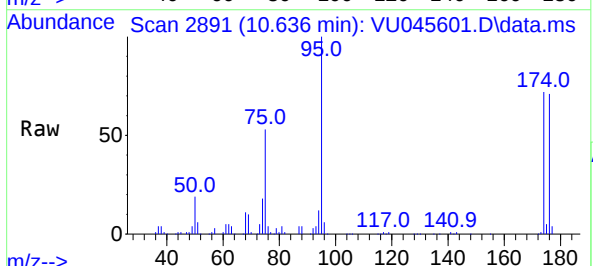
Tgt Ion: 95 Resp: 116107

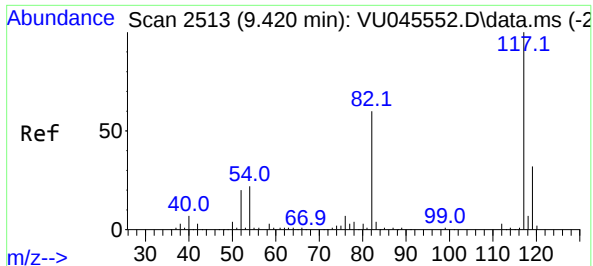
Ion Ratio Lower Upper

95 100

174 72.2 0.0 141.8

176 69.9 0.0 138.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.420 min Scan# 2

Delta R.T. 0.000 min

Lab File: VU045601.D

Acq: 08 Nov 2021 09:28

Instrument :

MSVOA\_U

ClientSampleId :

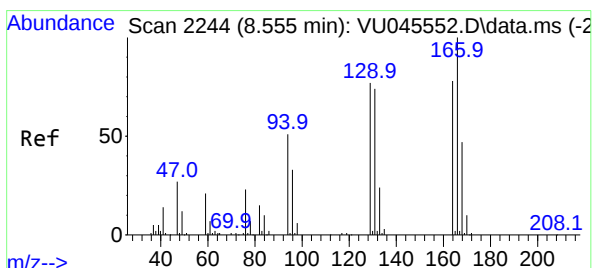
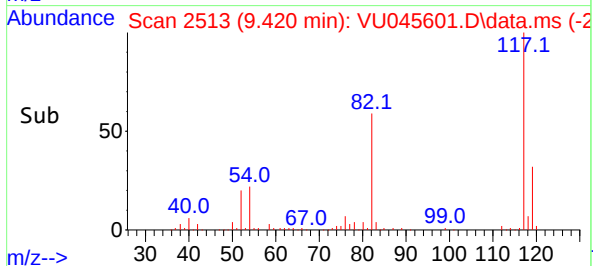
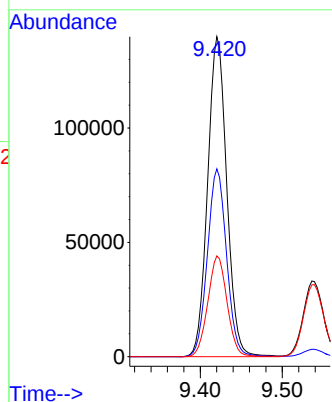
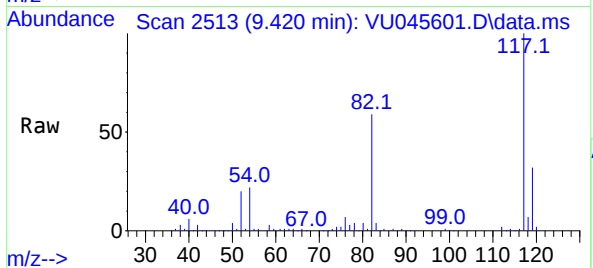
Tgt Ion:117 Resp: 226319

Ion Ratio Lower Upper

117 100

82 58.7 47.8 71.8

119 31.5 25.8 38.8



#64

Tetrachloroethene

Concen: 51.204 ug/l

RT: 8.555 min Scan# 2244

Delta R.T. 0.000 min

Lab File: VU045601.D

Acq: 08 Nov 2021 09:28

Tgt Ion:164 Resp: 66513

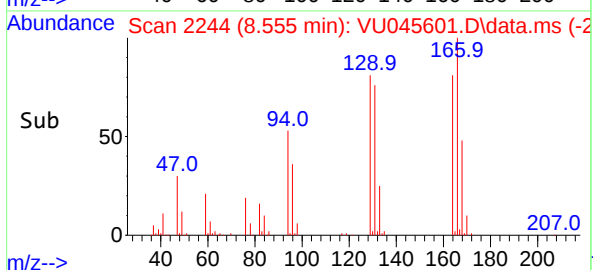
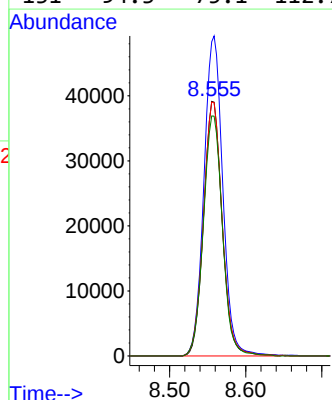
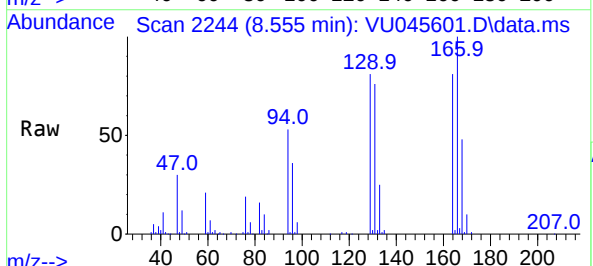
Ion Ratio Lower Upper

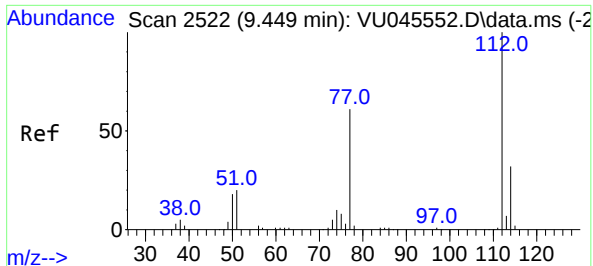
164 100

166 123.4 102.2 153.4

129 99.7 78.2 117.4

131 94.3 75.1 112.7





#65

Chlorobenzene

Concen: 50.302 ug/l

RT: 9.449 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU045601.D

Acq: 08 Nov 2021 09:28

Instrument :

MSVOA\_U

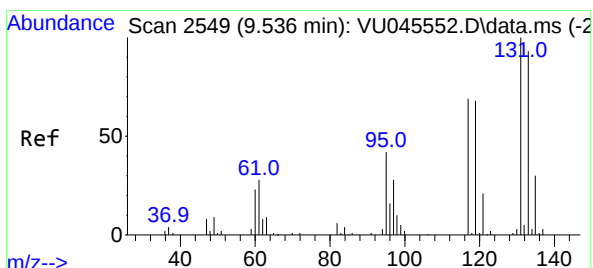
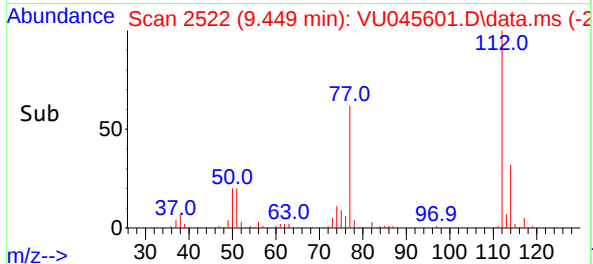
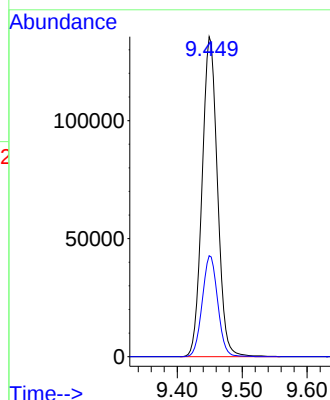
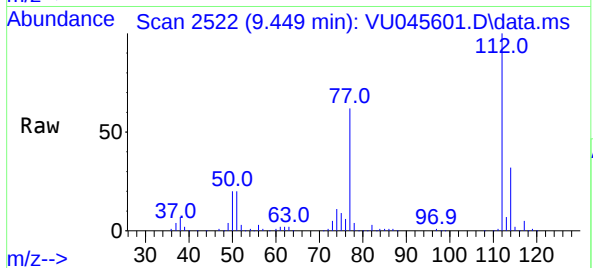
ClientSampleId :

Tgt Ion:112 Resp: 223615

Ion Ratio Lower Upper

112 100

114 31.5 25.7 38.5



#66

1,1,1,2-Tetrachloroethane

Concen: 51.297 ug/l

RT: 9.539 min Scan# 2550

Delta R.T. 0.003 min

Lab File: VU045601.D

Acq: 08 Nov 2021 09:28

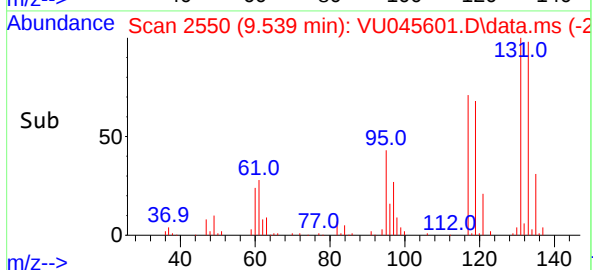
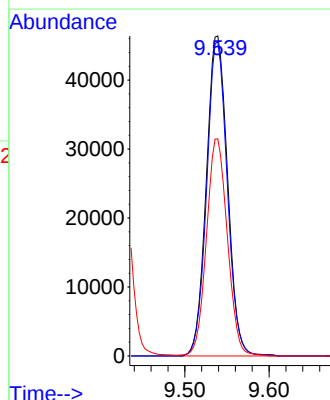
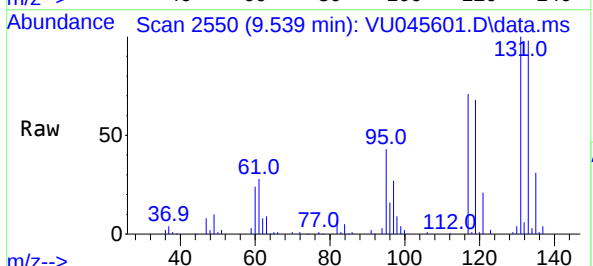
Tgt Ion:131 Resp: 81331

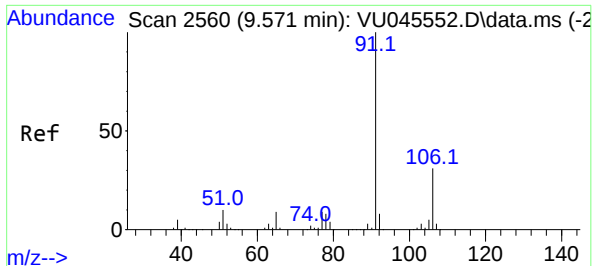
Ion Ratio Lower Upper

131 100

133 95.3 47.9 143.6

119 66.9 34.5 103.6





#67

Ethyl Benzene

Concen: 52.566 ug/l

RT: 9.575 min Scan# 2560

Delta R.T. 0.003 min

Lab File: VU045601.D

Acq: 08 Nov 2021 09:28

Instrument :

MSVOA\_U

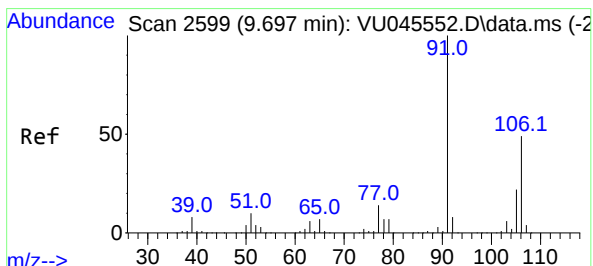
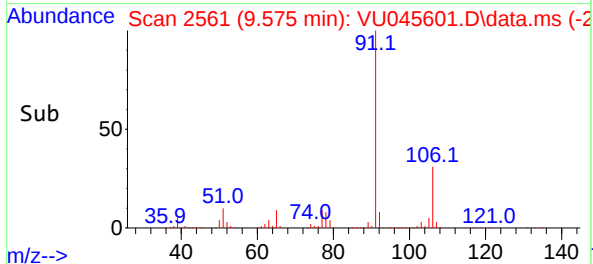
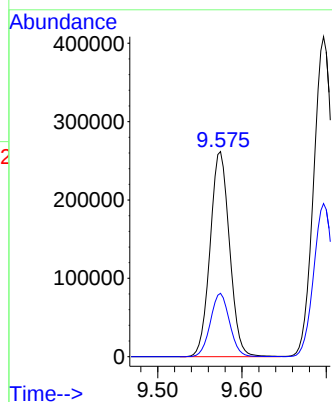
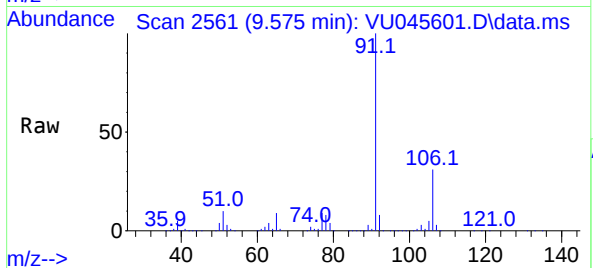
ClientSampleId :

Tgt Ion: 91 Resp: 418482

Ion Ratio Lower Upper

91 100

106 30.8 24.6 36.8



#68

m/p-Xylenes

Concen: 106.974 ug/l

RT: 9.697 min Scan# 2599

Delta R.T. 0.000 min

Lab File: VU045601.D

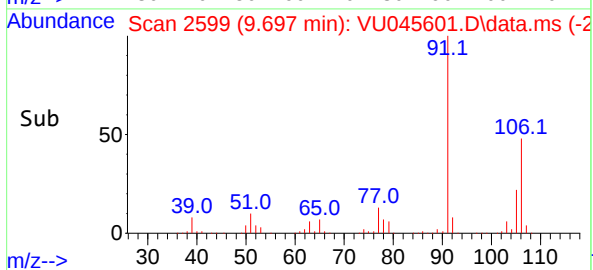
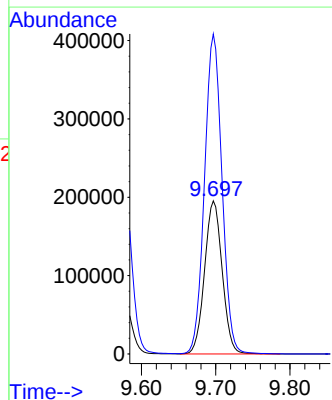
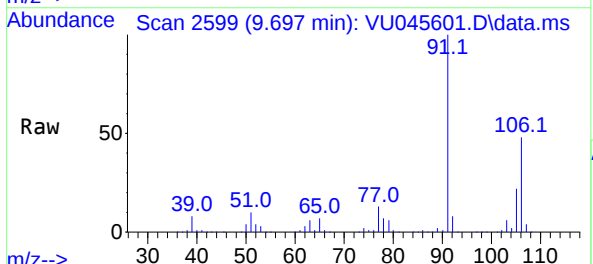
Acq: 08 Nov 2021 09:28

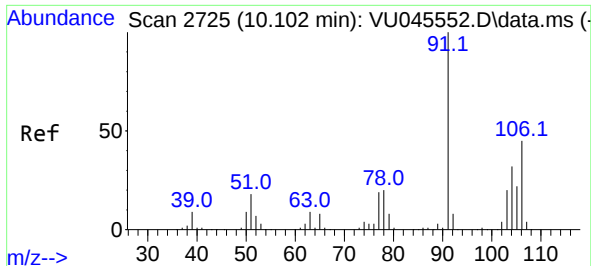
Tgt Ion:106 Resp: 321176

Ion Ratio Lower Upper

106 100

91 207.7 164.7 247.1

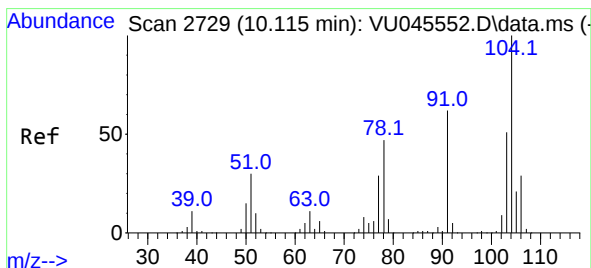
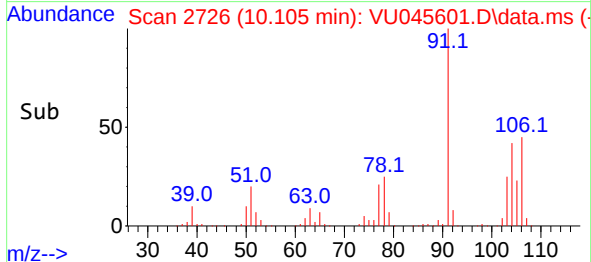
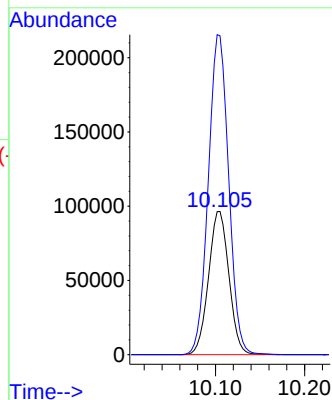
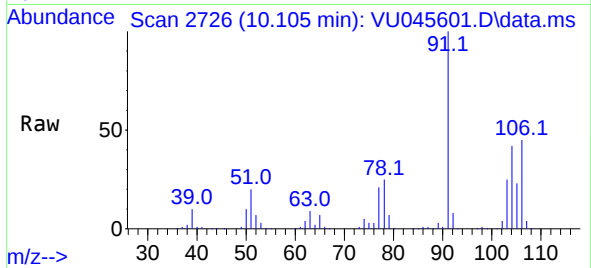




#69  
o-Xylene  
Concen: 52.503 ug/l  
RT: 10.105 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VU045601.D  
Acq: 08 Nov 2021 09:28

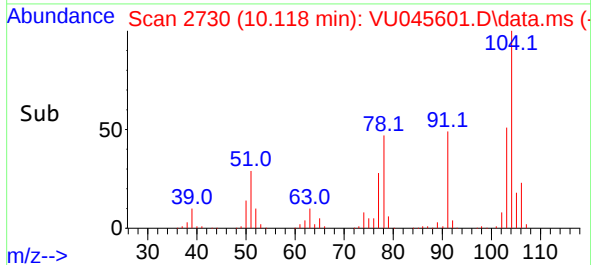
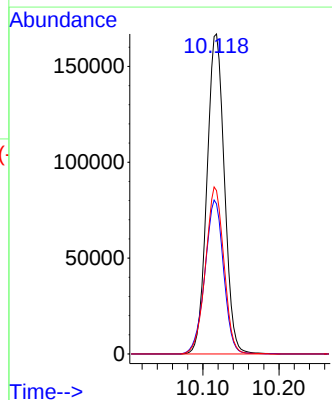
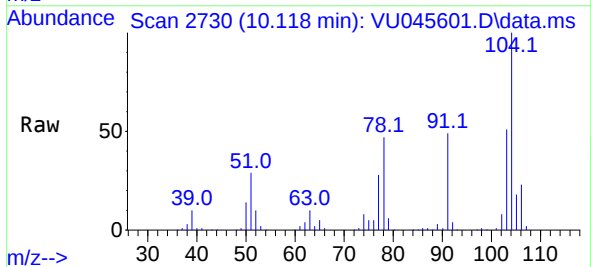
Instrument :  
MSVOA\_U  
ClientSampleId :

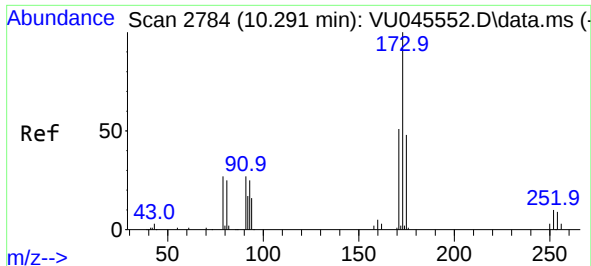
Tgt Ion:106 Resp: 153254  
Ion Ratio Lower Upper  
106 100  
91 223.1 108.7 326.3



#70  
Styrene  
Concen: 53.913 ug/l  
RT: 10.118 min Scan# 2730  
Delta R.T. 0.003 min  
Lab File: VU045601.D  
Acq: 08 Nov 2021 09:28

Tgt Ion:104 Resp: 266228  
Ion Ratio Lower Upper  
104 100  
78 51.5 41.8 62.6  
103 54.9 43.8 65.6

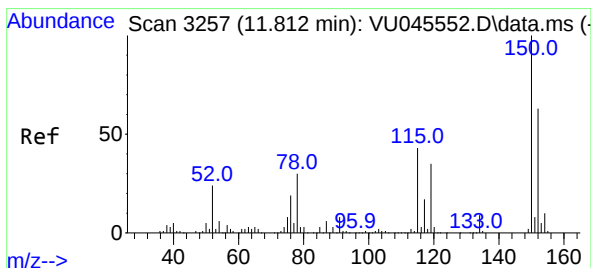
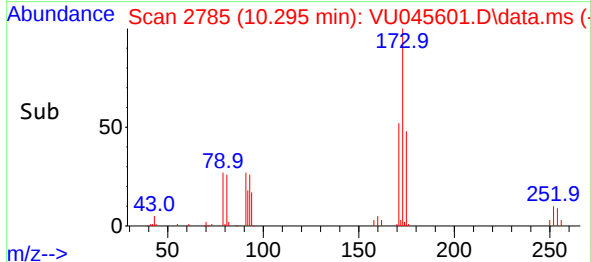
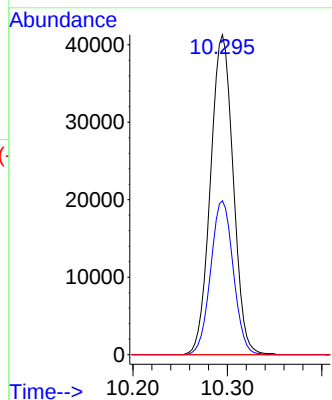
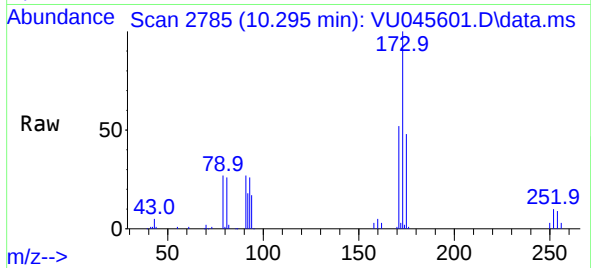




#71  
Bromoform  
Concen: 46.173 ug/l  
RT: 10.295 min Scan# 21  
Delta R.T. 0.004 min  
Lab File: VU045601.D  
Acq: 08 Nov 2021 09:28

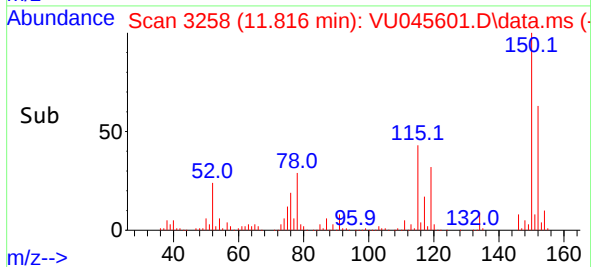
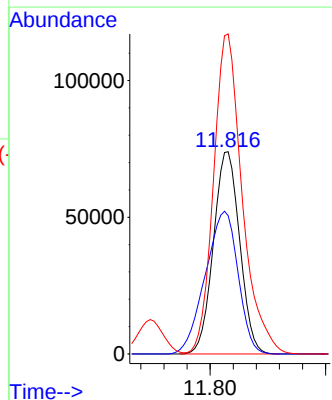
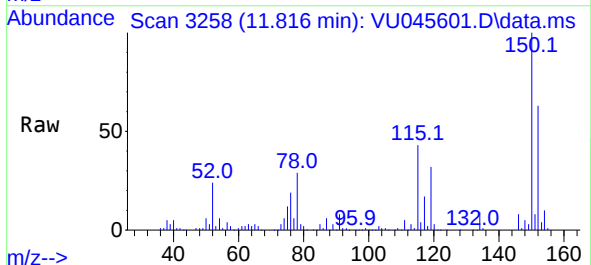
Instrument :  
MSVOA\_U  
ClientSampleId :

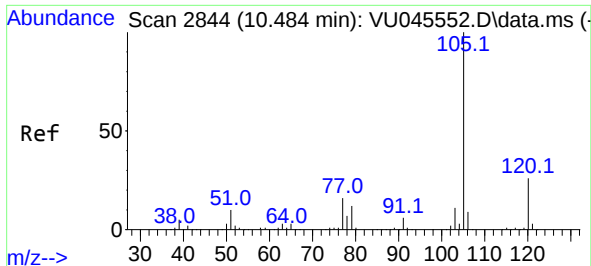
Tgt Ion:173 Resp: 68912  
Ion Ratio Lower Upper  
173 100  
175 47.9 24.1 72.2  
254 0.0 0.0 0.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 11.816 min Scan# 3258  
Delta R.T. 0.003 min  
Lab File: VU045601.D  
Acq: 08 Nov 2021 09:28

Tgt Ion:152 Resp: 116729  
Ion Ratio Lower Upper  
152 100  
115 88.0 42.7 128.1  
150 173.1 0.0 346.8

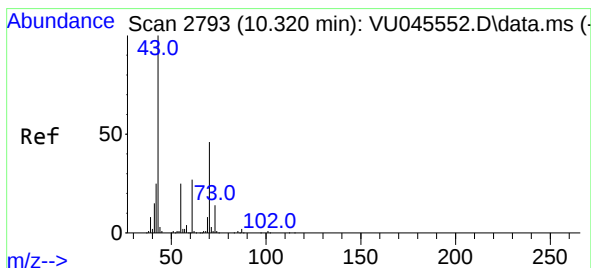
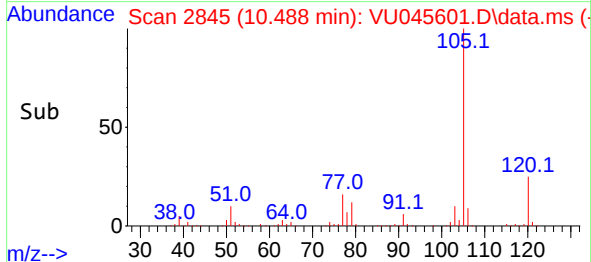
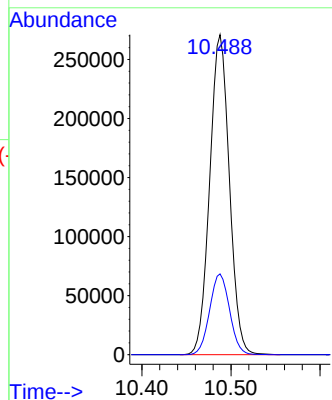
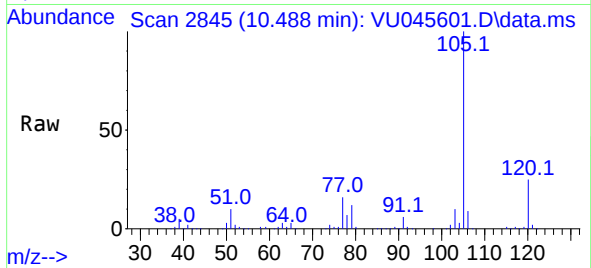




#73  
Isopropylbenzene  
Concen: 54.436 ug/l  
RT: 10.488 min Scan# 2845  
Delta R.T. 0.003 min  
Lab File: VU045601.D  
Acq: 08 Nov 2021 09:28

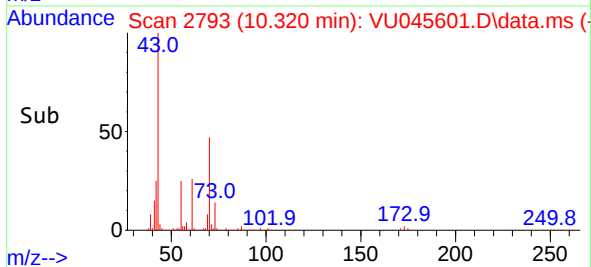
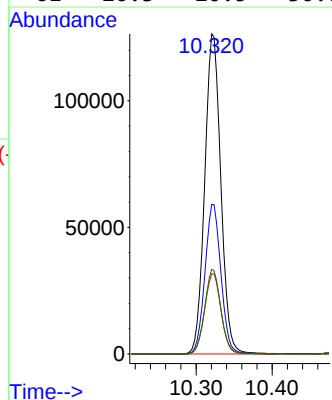
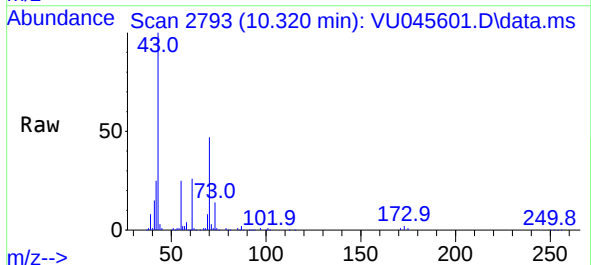
Instrument :  
MSVOA\_U  
ClientSampleId :

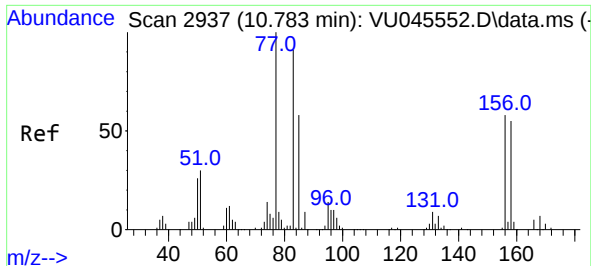
Tgt Ion:105 Resp: 415184  
Ion Ratio Lower Upper  
105 100  
120 25.5 12.9 38.6



#74  
N-ethyl acetate  
Concen: 54.106 ug/l  
RT: 10.320 min Scan# 2793  
Delta R.T. 0.000 min  
Lab File: VU045601.D  
Acq: 08 Nov 2021 09:28

Tgt Ion: 43 Resp: 186163  
Ion Ratio Lower Upper  
43 100  
70 46.4 36.9 55.3  
55 25.6 20.6 31.0  
61 26.3 20.5 30.7

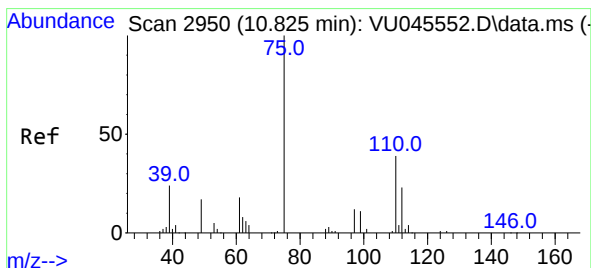
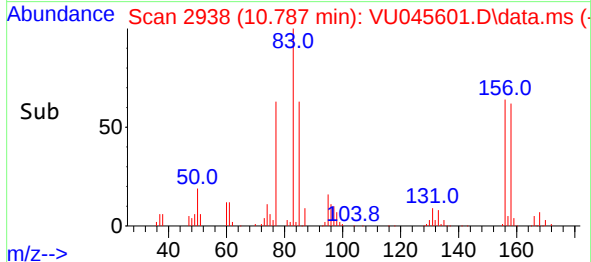
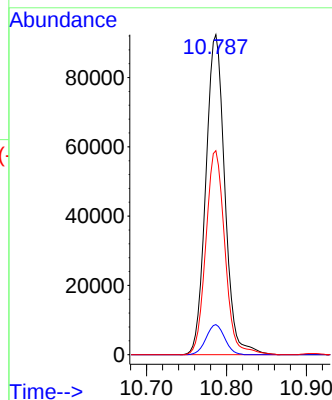
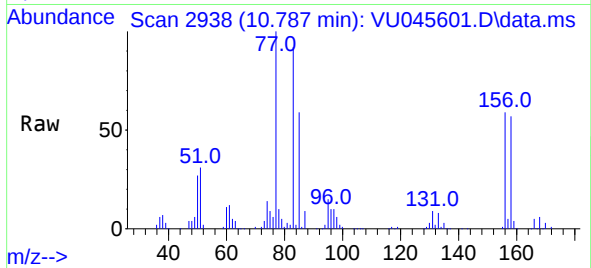




#75  
1,1,2,2-Tetrachloroethane  
Concen: 50.526 ug/l  
RT: 10.787 min Scan# 2937  
Delta R.T. 0.003 min  
Lab File: VU045601.D  
Acq: 08 Nov 2021 09:28

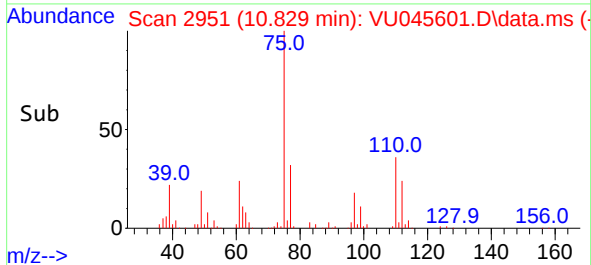
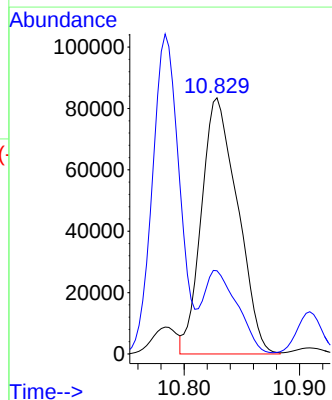
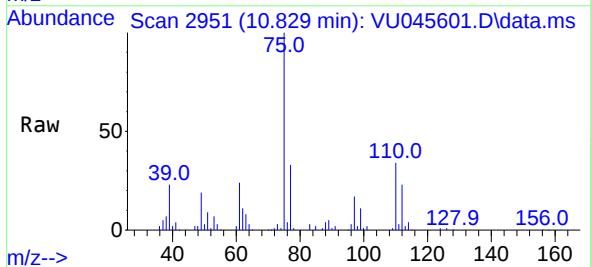
Instrument :  
MSVOA\_U  
ClientSampleId :

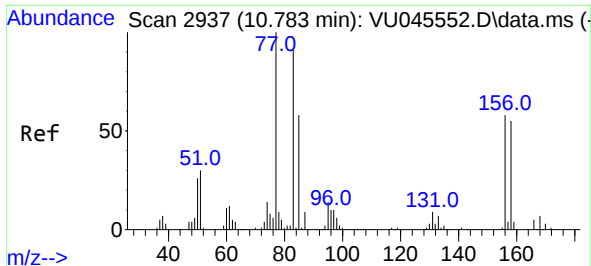
Tgt Ion: 83 Resp: 152680  
Ion Ratio Lower Upper  
83 100  
131 9.2 4.4 13.2  
85 64.1 31.9 95.9



#76  
1,2,3-Trichloropropane  
Concen: 51.314 ug/l  
RT: 10.829 min Scan# 2951  
Delta R.T. 0.003 min  
Lab File: VU045601.D  
Acq: 08 Nov 2021 09:28

Tgt Ion: 75 Resp: 181645  
Ion Ratio Lower Upper  
75 100  
77 29.7 17.1 51.3

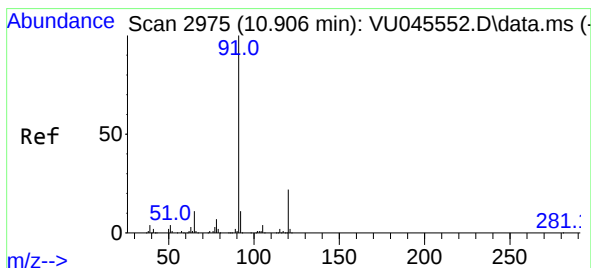
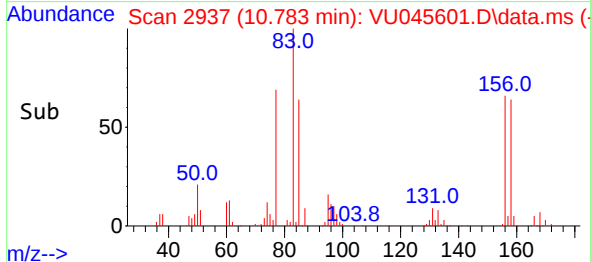
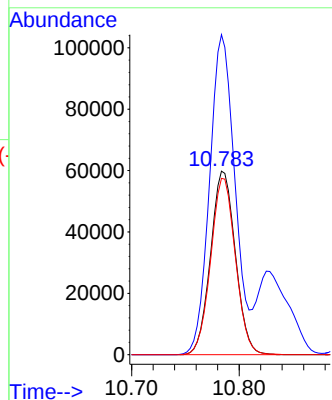
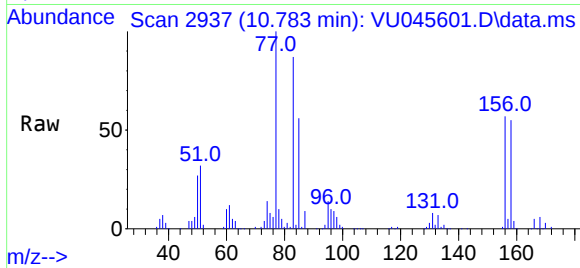




#77  
Bromobenzene  
Concen: 51.707 ug/l  
RT: 10.783 min Scan# 2937  
Delta R.T. 0.000 min  
Lab File: VU045601.D  
Acq: 08 Nov 2021 09:28

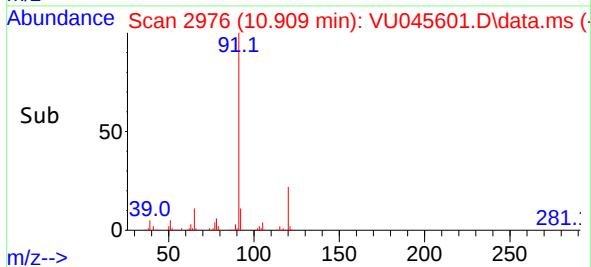
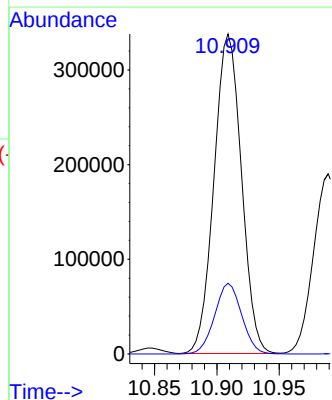
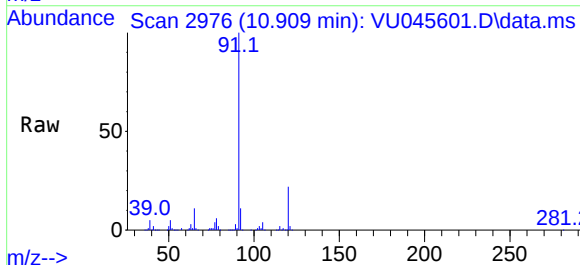
Instrument :  
MSVOA\_U  
ClientSampleId :

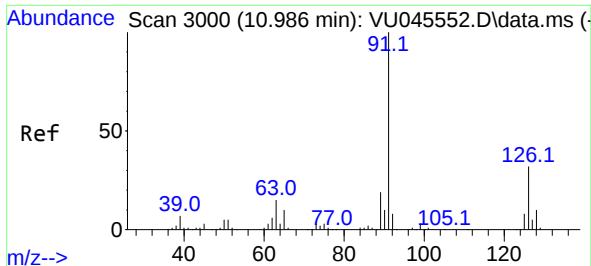
Tgt Ion:156 Resp: 95749  
Ion Ratio Lower Upper  
156 100  
77 176.5 91.1 273.4  
158 95.9 47.9 143.6



#78  
n-propylbenzene  
Concen: 54.343 ug/l  
RT: 10.909 min Scan# 2976  
Delta R.T. 0.003 min  
Lab File: VU045601.D  
Acq: 08 Nov 2021 09:28

Tgt Ion: 91 Resp: 515858  
Ion Ratio Lower Upper  
91 100  
120 21.8 10.9 32.7

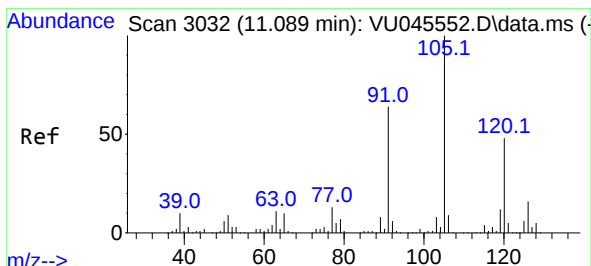
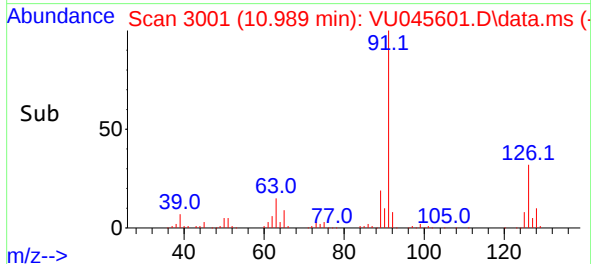
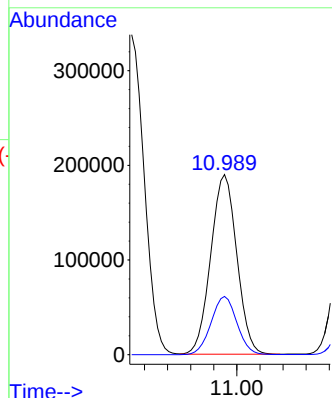
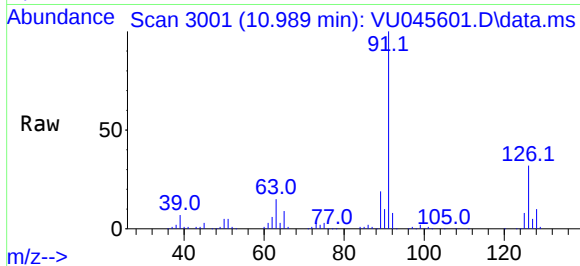




#79  
2-Chlorotoluene  
Concen: 52.958 ug/l  
RT: 10.989 min Scan# 3000  
Delta R.T. 0.003 min  
Lab File: VU045601.D  
Acq: 08 Nov 2021 09:28

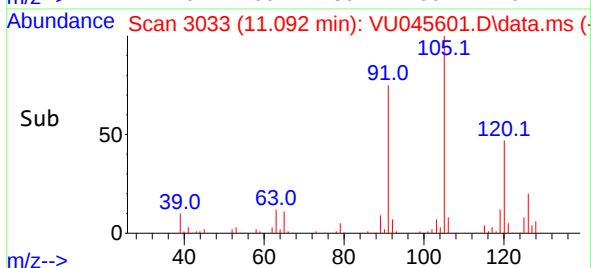
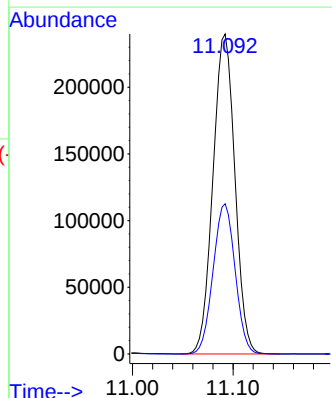
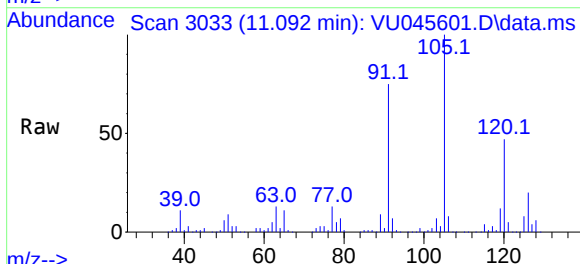
Instrument :  
MSVOA\_U  
ClientSampleId :

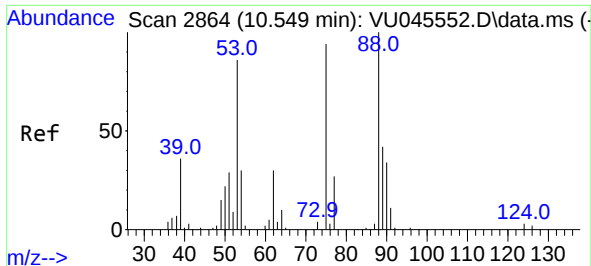
Tgt Ion: 91 Resp: 297000  
Ion Ratio Lower Upper  
91 100  
126 32.1 15.6 46.8



#80  
1,3,5-Trimethylbenzene  
Concen: 54.609 ug/l  
RT: 11.092 min Scan# 3033  
Delta R.T. 0.003 min  
Lab File: VU045601.D  
Acq: 08 Nov 2021 09:28

Tgt Ion: 105 Resp: 363902  
Ion Ratio Lower Upper  
105 100  
120 47.1 23.9 71.8

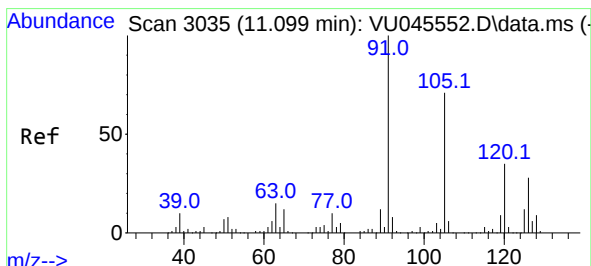
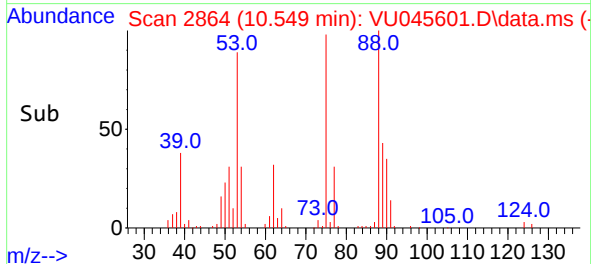
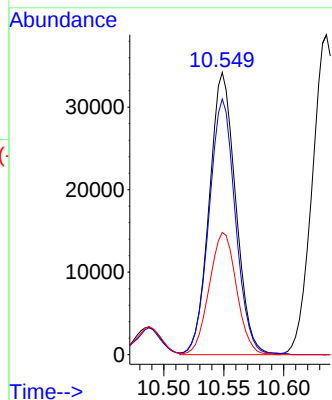
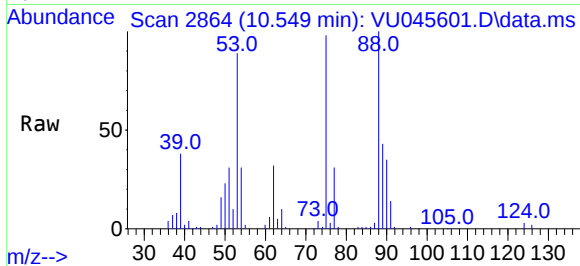




#81  
trans-1,4-Dichloro-2-butene  
Concen: 48.659 ug/l  
RT: 10.549 min Scan# 2864  
Delta R.T. -0.000 min  
Lab File: VU045601.D  
Acq: 08 Nov 2021 09:28

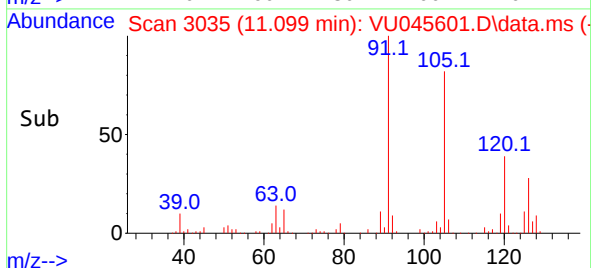
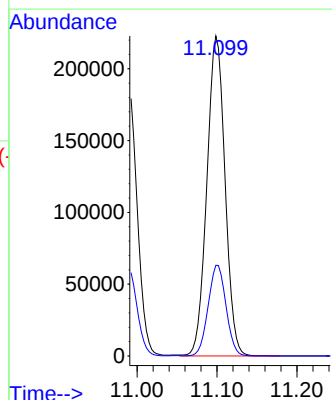
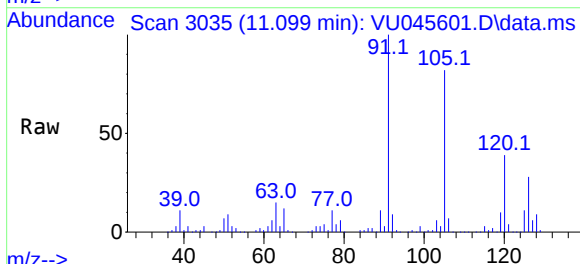
Instrument :  
MSVOA\_U  
ClientSampleId :

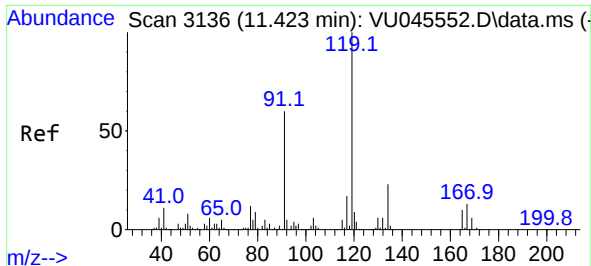
Tgt Ion: 75 Resp: 52488  
Ion Ratio Lower Upper  
75 100  
53 90.5 76.2 114.4  
89 44.7 34.0 51.0



#82  
4-Chlorotoluene  
Concen: 53.601 ug/l  
RT: 11.099 min Scan# 3035  
Delta R.T. 0.000 min  
Lab File: VU045601.D  
Acq: 08 Nov 2021 09:28

Tgt Ion: 91 Resp: 352540  
Ion Ratio Lower Upper  
91 100  
126 27.8 13.8 41.4

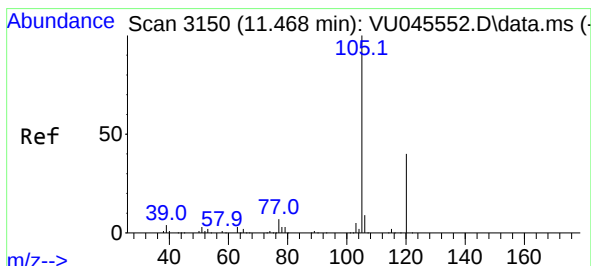
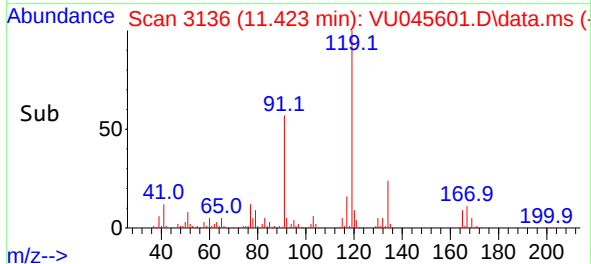
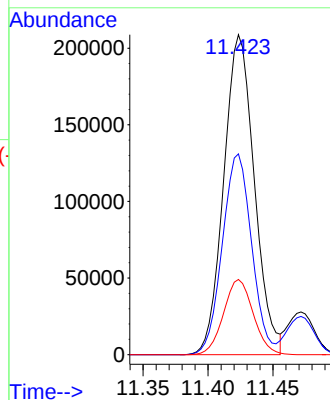
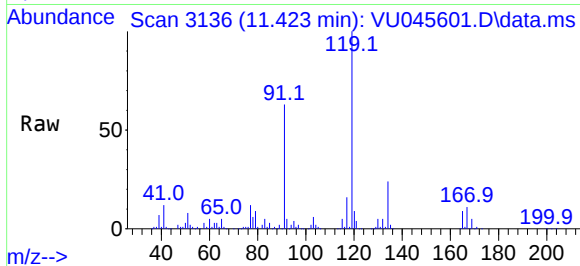




#83  
tert-Butylbenzene  
Concen: 53.954 ug/l  
RT: 11.423 min Scan# 3136  
Delta R.T. 0.000 min  
Lab File: VU045601.D  
Acq: 08 Nov 2021 09:28

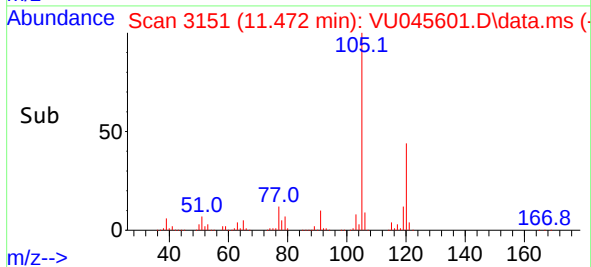
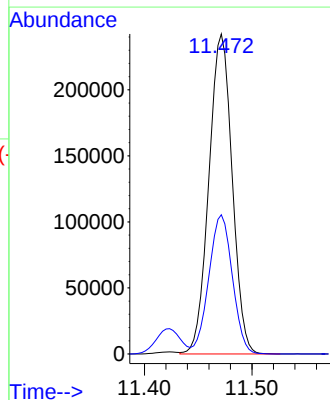
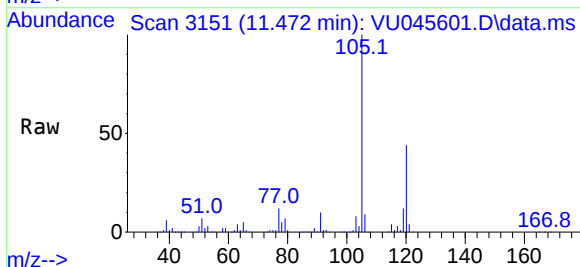
Instrument :  
MSVOA\_U  
ClientSampleId :

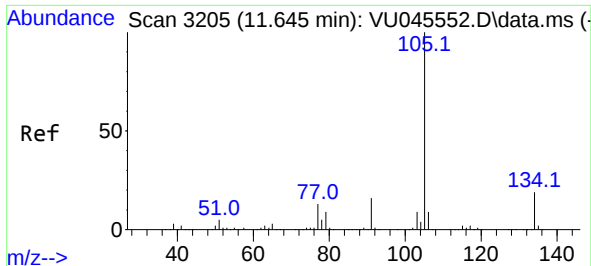
Tgt Ion:119 Resp: 342729  
Ion Ratio Lower Upper  
119 100  
91 60.1 30.5 91.5  
134 22.8 11.5 34.5



#84  
1,2,4-Trimethylbenzene  
Concen: 55.065 ug/l  
RT: 11.472 min Scan# 3151  
Delta R.T. 0.003 min  
Lab File: VU045601.D  
Acq: 08 Nov 2021 09:28

Tgt Ion:105 Resp: 364688  
Ion Ratio Lower Upper  
105 100  
120 44.0 22.2 66.6

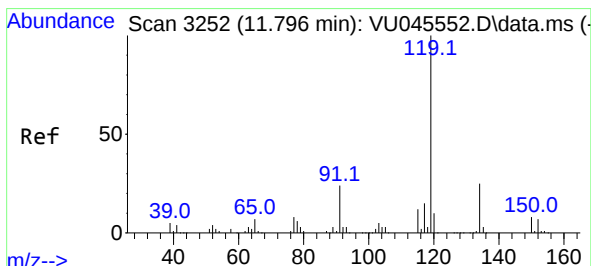
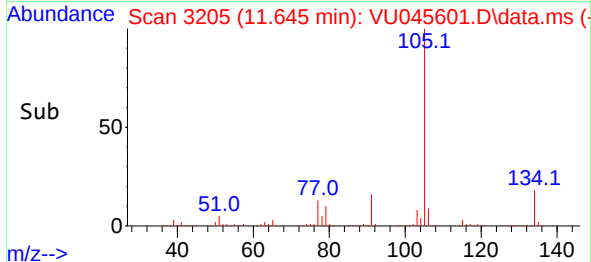
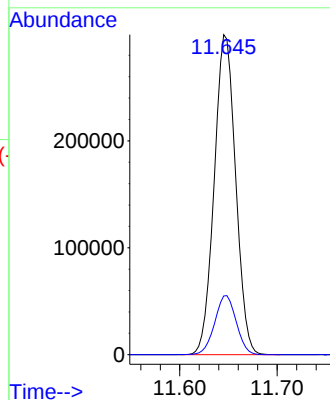
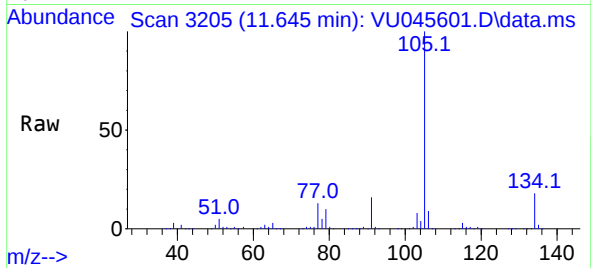




#85  
 sec-Butylbenzene  
 Concen: 54.197 ug/l  
 RT: 11.645 min Scan# 31  
 Delta R.T. 0.000 min  
 Lab File: VU045601.D  
 Acq: 08 Nov 2021 09:28

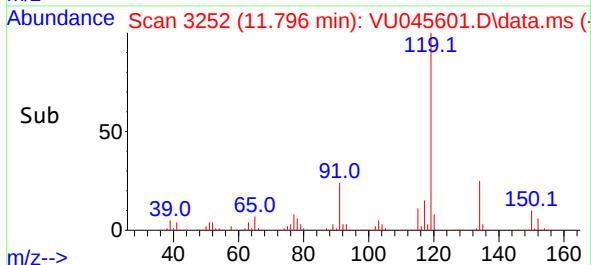
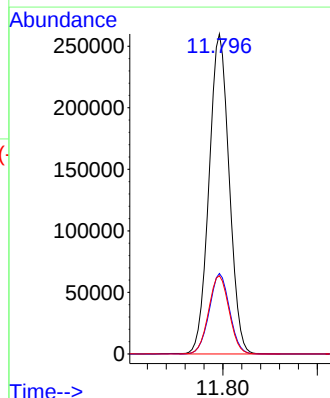
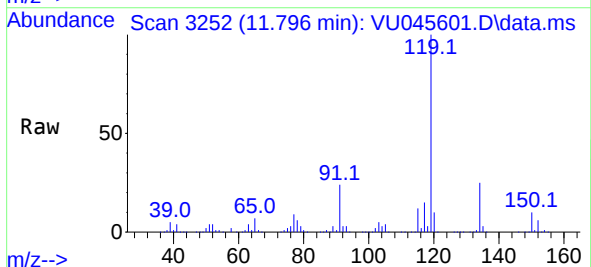
Instrument :  
 MSVOA\_U  
 ClientSampleId :

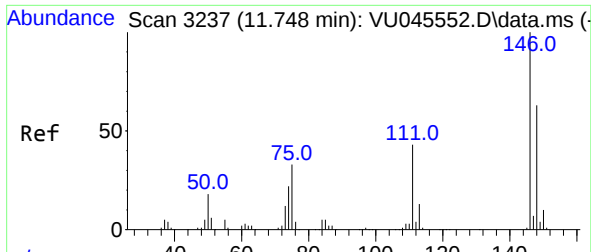
Tgt Ion:105 Resp: 456590  
 Ion Ratio Lower Upper  
 105 100  
 134 18.6 9.4 28.3



#86  
 p-Isopropyltoluene  
 Concen: 54.542 ug/l  
 RT: 11.796 min Scan# 3252  
 Delta R.T. 0.000 min  
 Lab File: VU045601.D  
 Acq: 08 Nov 2021 09:28

Tgt Ion:119 Resp: 383973  
 Ion Ratio Lower Upper  
 119 100  
 134 25.3 12.7 38.1  
 91 24.9 12.2 36.4

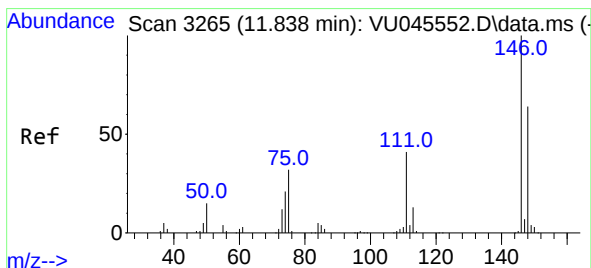
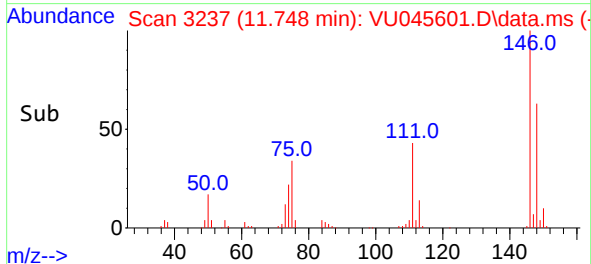
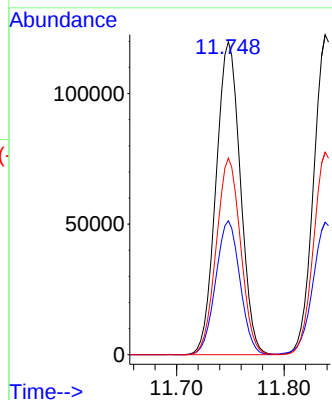
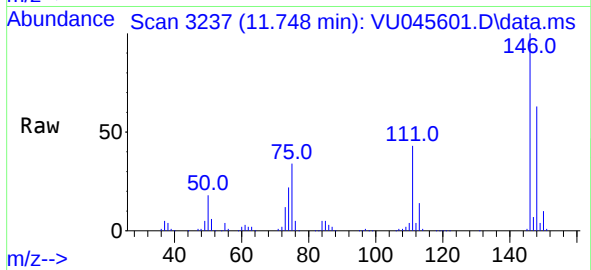




#87  
1,3-Dichlorobenzene  
Concen: 50.441 ug/l  
RT: 11.748 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VU045601.D  
Acq: 08 Nov 2021 09:28

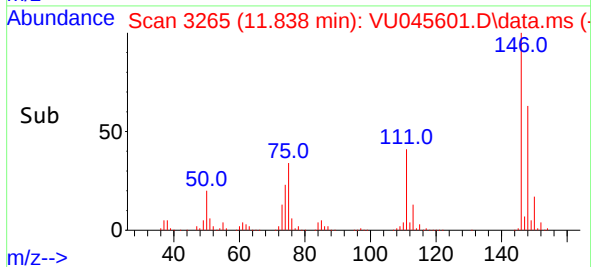
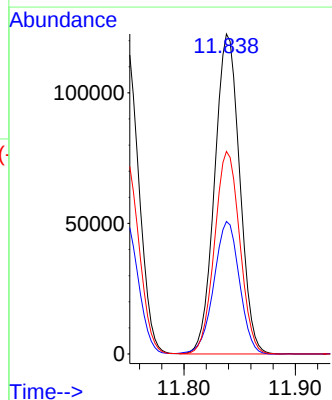
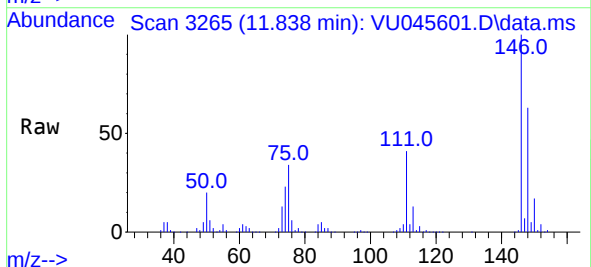
Instrument :  
MSVOA\_U  
ClientSampleId :

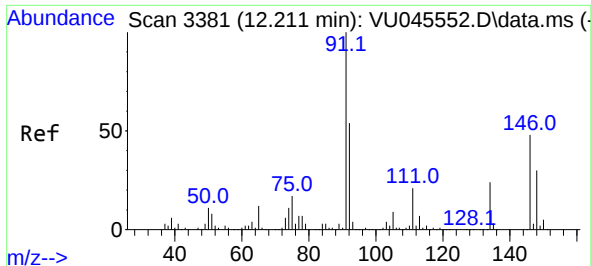
Tgt Ion:146 Resp: 188461  
Ion Ratio Lower Upper  
146 100  
111 42.8 21.3 63.9  
148 62.9 31.7 95.1



#88  
1,4-Dichlorobenzene  
Concen: 50.729 ug/l  
RT: 11.838 min Scan# 3265  
Delta R.T. 0.000 min  
Lab File: VU045601.D  
Acq: 08 Nov 2021 09:28

Tgt Ion:146 Resp: 191695  
Ion Ratio Lower Upper  
146 100  
111 42.3 20.6 61.9  
148 63.9 31.9 95.7





#89

n-Butylbenzene

Concen: 55.413 ug/l

RT: 12.211 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU045601.D

Acq: 08 Nov 2021 09:28

Instrument :

MSVOA\_U

ClientSampleId :

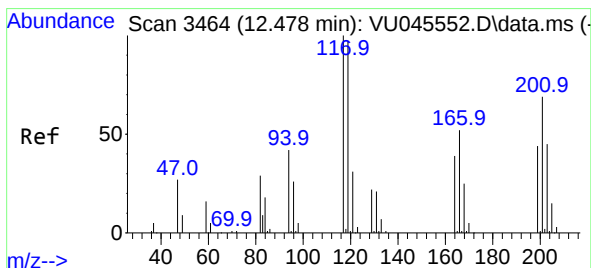
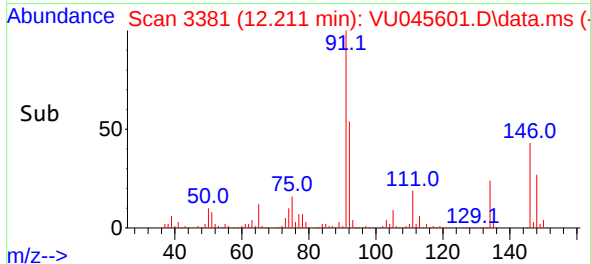
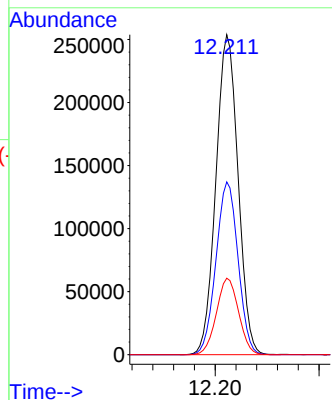
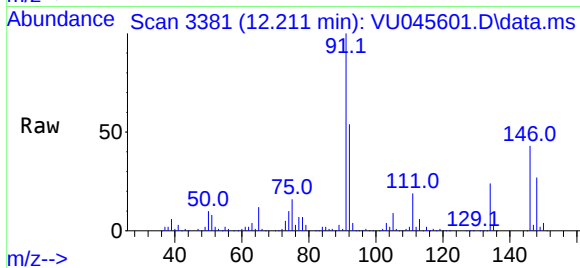
Tgt Ion: 91 Resp: 375788

Ion Ratio Lower Upper

91 100

92 53.7 27.1 81.2

134 23.9 11.8 35.4



#90

Hexachloroethane

Concen: 54.275 ug/l

RT: 12.481 min Scan# 3465

Delta R.T. 0.003 min

Lab File: VU045601.D

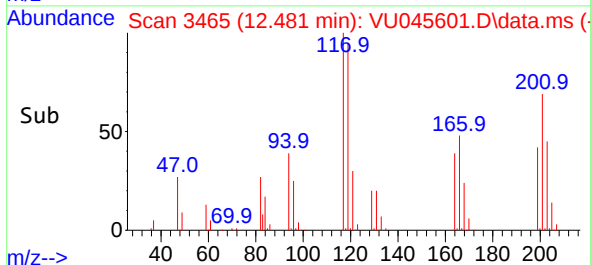
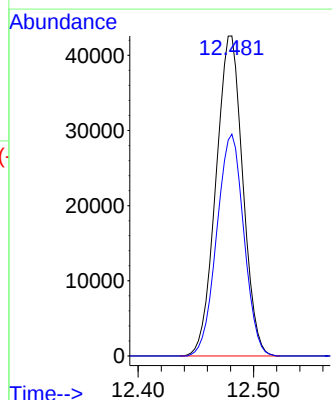
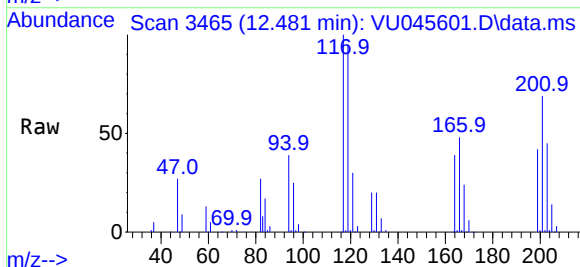
Acq: 08 Nov 2021 09:28

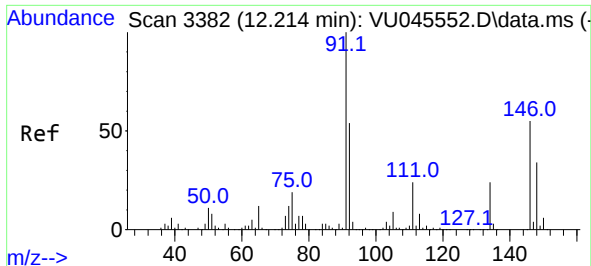
Tgt Ion: 117 Resp: 68929

Ion Ratio Lower Upper

117 100

201 69.9 33.8 101.4





#91

1,2-Dichlorobenzene

Concen: 51.152 ug/l

RT: 12.214 min Scan# 3382

Delta R.T. 0.000 min

Lab File: VU045601.D

Acq: 08 Nov 2021 09:28

Instrument :

MSVOA\_U

ClientSampleId :

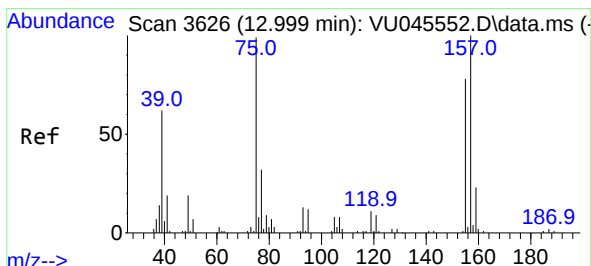
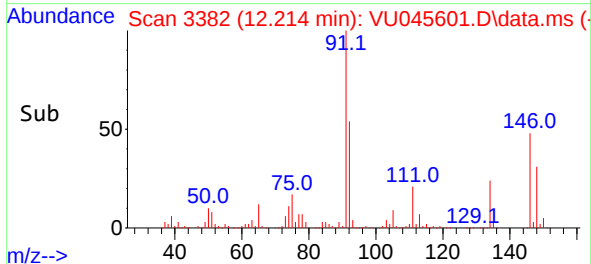
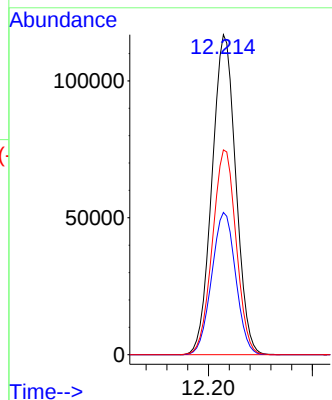
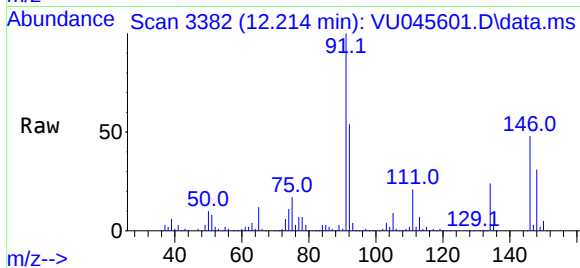
Tgt Ion:146 Resp: 185940

Ion Ratio Lower Upper

146 100

111 44.8 21.9 65.5

148 63.9 32.1 96.3



#92

1,2-Dibromo-3-Chloropropane

Concen: 52.335 ug/l

RT: 12.999 min Scan# 3626

Delta R.T. 0.000 min

Lab File: VU045601.D

Acq: 08 Nov 2021 09:28

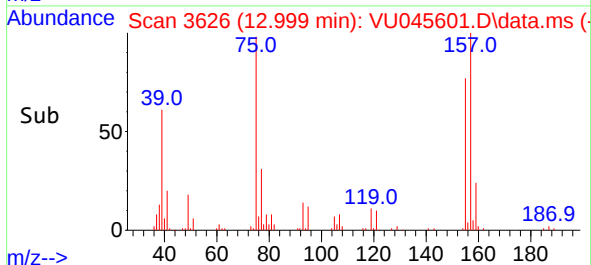
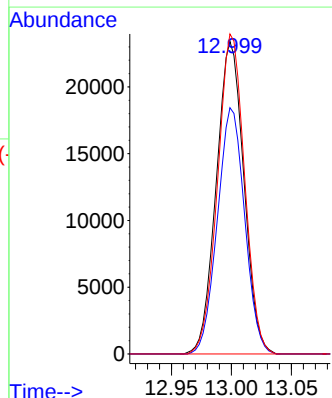
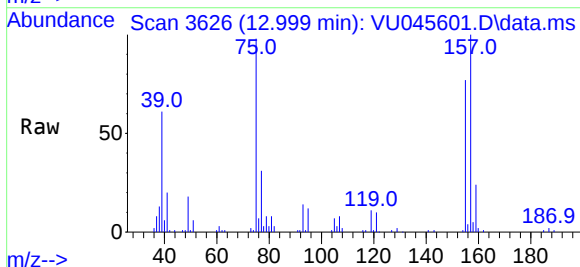
Tgt Ion: 75 Resp: 37316

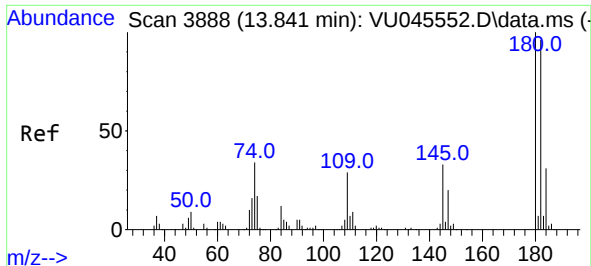
Ion Ratio Lower Upper

75 100

155 78.0 37.8 113.3

157 100.1 48.4 145.2





#93

1,2,4-Trichlorobenzene

Concen: 52.342 ug/l

RT: 13.841 min Scan# 3888

Delta R.T. 0.000 min

Lab File: VU045601.D

Acq: 08 Nov 2021 09:28

Instrument :

MSVOA\_U

ClientSampleId :

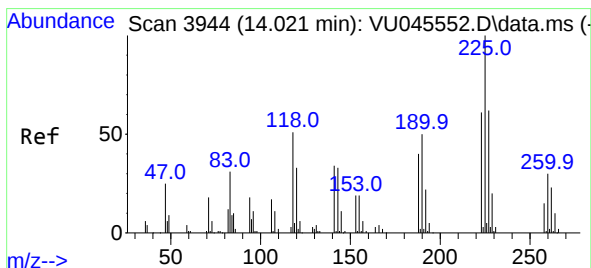
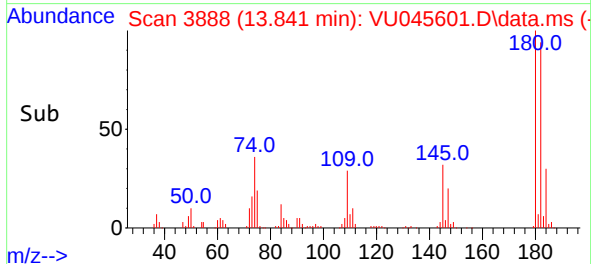
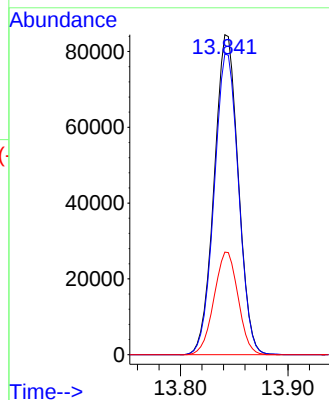
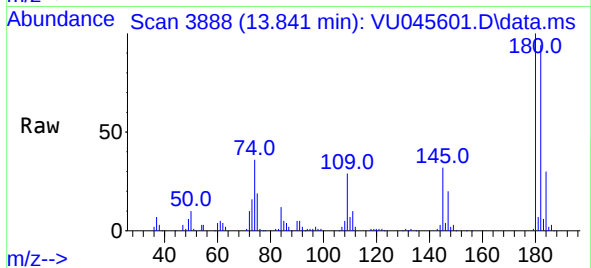
Tgt Ion:180 Resp: 131557

Ion Ratio Lower Upper

180 100

182 94.9 47.0 141.2

145 32.0 15.6 46.7



#94

Hexachlorobutadiene

Concen: 49.540 ug/l

RT: 14.025 min Scan# 3945

Delta R.T. 0.003 min

Lab File: VU045601.D

Acq: 08 Nov 2021 09:28

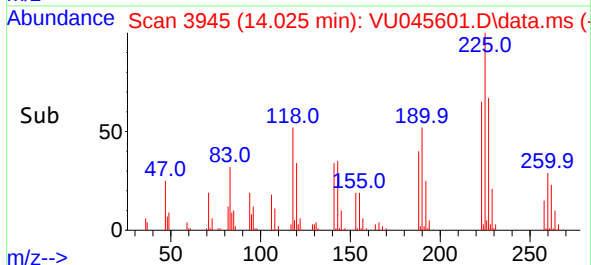
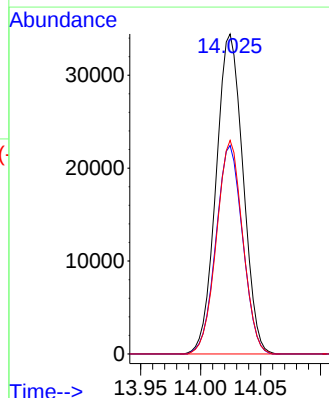
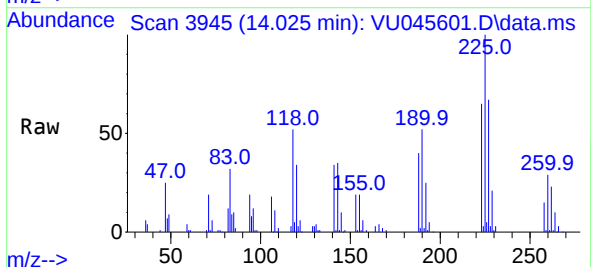
Tgt Ion:225 Resp: 53747

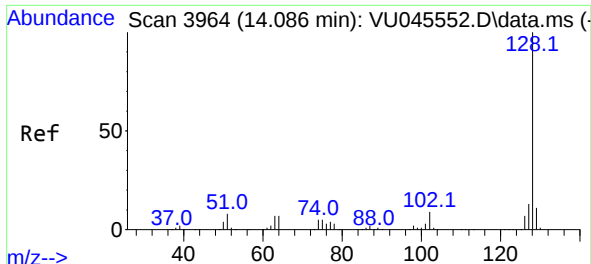
Ion Ratio Lower Upper

225 100

223 64.5 32.0 96.2

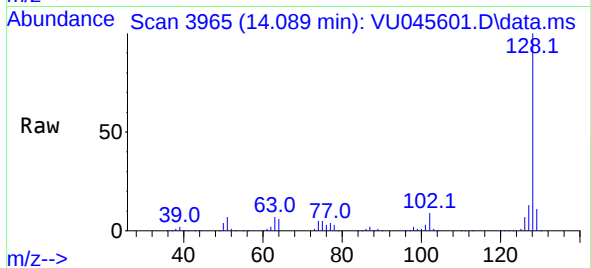
227 64.8 31.1 93.5



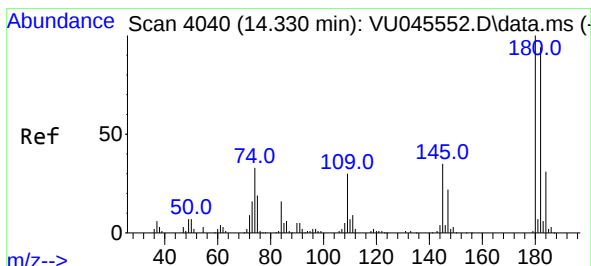
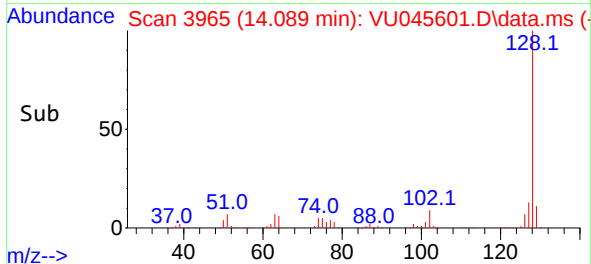
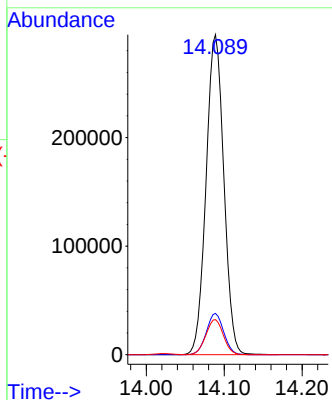


#95  
Naphthalene  
Concen: 49.402 ug/l  
RT: 14.089 min Scan# 3964  
Delta R.T. 0.003 min  
Lab File: VU045601.D  
Acq: 08 Nov 2021 09:28

Instrument :  
MSVOA\_U  
ClientSampleId :



Tgt Ion:128 Resp: 466676  
Ion Ratio Lower Upper  
128 100  
127 12.6 10.6 15.8  
129 10.9 8.6 13.0



#96  
1,2,3-Trichlorobenzene  
Concen: 52.306 ug/l  
RT: 14.333 min Scan# 4041  
Delta R.T. 0.003 min  
Lab File: VU045601.D  
Acq: 08 Nov 2021 09:28

Tgt Ion:180 Resp: 130580  
Ion Ratio Lower Upper  
180 100  
182 94.7 47.7 143.1  
145 34.4 16.7 50.0

