

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU102921\  
 Data File : VU045457.D  
 Acq On : 29 Oct 2021 12:27  
 Operator : SY/MD  
 Sample : VU1029WBS01  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Oct 30 04:03:45 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U102821W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Oct 29 11:09:42 2021  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.379  | 168  | 198775   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.253  | 114  | 373309   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.420  | 117  | 348848   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 11.816 | 152  | 169130   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 5.706  | 65    | 168237   | 51.987   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | = 103.980% |      |
| 35) Dibromofluoromethane    | 5.295  | 113   | 120994   | 50.973   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 101.940% |      |
| 50) Toluene-d8              | 7.899  | 98    | 480941   | 51.669   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | = 103.340% |      |
| 62) 4-Bromofluorobenzene    | 10.636 | 95    | 181726   | 51.235   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | = 102.460% |      |

|                              |       |     |        |         |        |     |
|------------------------------|-------|-----|--------|---------|--------|-----|
| Target Compounds             |       |     |        |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.385 | 85  | 58950  | 20.469  | ug/l   | 98  |
| 3) Chloromethane             | 1.520 | 50  | 80089  | 20.248  | ug/l   | 99  |
| 4) Vinyl Chloride            | 1.607 | 62  | 70698  | 21.531  | ug/l   | 99  |
| 5) Bromomethane              | 1.861 | 94  | 44742  | 22.446  | ug/l   | 99  |
| 6) Chloroethane              | 1.935 | 64  | 43339  | 21.907  | ug/l   | 98  |
| 7) Trichlorofluoromethane    | 2.141 | 101 | 78770  | 21.426  | ug/l   | 97  |
| 8) Diethyl Ether             | 2.379 | 74  | 36430  | 21.373  | ug/l   | 99  |
| 9) 1,1,2-Trichlorotrifluo... | 2.584 | 101 | 48165  | 21.807  | ug/l   | 99  |
| 10) Methyl Iodide            | 2.726 | 142 | 34894  | 22.664  | ug/l   | 100 |
| 11) Tert butyl alcohol       | 3.221 | 59  | 77775  | 111.342 | ug/l   | 99  |
| 12) 1,1-Dichloroethene       | 2.584 | 96  | 47977  | 21.126  | ug/l   | 99  |
| 13) Acrolein                 | 2.494 | 56  | 14330  | 91.659  | ug/l   | 98  |
| 14) Allyl chloride           | 2.928 | 41  | 89838  | 21.544  | ug/l   | 99  |
| 15) Acrylonitrile            | 3.321 | 53  | 182543 | 107.786 | ug/l   | 100 |
| 16) Acetone                  | 2.642 | 43  | 186749 | 127.114 | ug/l   | 99  |
| 17) Carbon Disulfide         | 2.800 | 76  | 139839 | 21.159  | ug/l   | 99  |
| 18) Methyl Acetate           | 2.954 | 43  | 117437 | 21.466  | ug/l   | 98  |
| 19) Methyl tert-butyl Ether  | 3.366 | 73  | 178084 | 21.313  | ug/l   | 99  |
| 20) Methylene Chloride       | 3.051 | 84  | 59508  | 20.327  | ug/l   | 98  |
| 21) trans-1,2-Dichloroethene | 3.359 | 96  | 52038  | 21.264  | ug/l   | 97  |
| 22) Diisopropyl ether        | 3.996 | 45  | 177621 | 21.782  | ug/l   | 97  |
| 23) Vinyl Acetate            | 3.961 | 43  | 690741 | 109.200 | ug/l   | 100 |
| 24) 1,1-Dichloroethane       | 3.874 | 63  | 103355 | 21.629  | ug/l   | 99  |
| 25) 2-Butanone               | 4.710 | 43  | 259657 | 117.075 | ug/l   | 100 |
| 26) 2,2-Dichloropropane      | 4.671 | 77  | 83679  | 22.604  | ug/l   | 99  |
| 27) cis-1,2-Dichloroethene   | 4.671 | 96  | 60697  | 21.554  | ug/l   | 97  |
| 28) Bromochloromethane       | 4.980 | 49  | 50339  | 21.357  | ug/l   | 99  |
| 29) Tetrahydrofuran          | 5.057 | 42  | 156373 | 108.719 | ug/l   | 99  |
| 30) Chloroform               | 5.092 | 83  | 99143  | 21.398  | ug/l   | 99  |
| 31) Cyclohexane              | 5.391 | 56  | 101161 | 20.996  | ug/l   | 99  |
| 32) 1,1,1-Trichloroethane    | 5.321 | 97  | 82300  | 21.643  | ug/l   | 99  |
| 36) 1,1-Dichloropropene      | 5.530 | 75  | 76014  | 21.391  | ug/l   | 99  |
| 37) Ethyl Acetate            | 4.806 | 43  | 89329  | 20.756  | ug/l   | 99  |
| 38) Carbon Tetrachloride     | 5.530 | 117 | 65059  | 20.992  | ug/l   | 98  |
| 39) Methylcyclohexane        | 6.768 | 83  | 93881  | 21.245  | ug/l   | 98  |
| 40) Benzene                  | 5.777 | 78  | 227835 | 21.299  | ug/l   | 99  |

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 Sample : VU1029WBS01  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Oct 30 04:03:45 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U102821W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Oct 29 11:09:42 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.977  | 41   | 49269    | 21.632  | ug/l   | 98       |
| 42) 1,2-Dichloroethane        | 5.797  | 62   | 82619    | 21.029  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 5.912  | 43   | 138011   | 21.279  | ug/l   | 99       |
| 44) Trichloroethene           | 6.546  | 130  | 52257    | 21.077  | ug/l   | 97       |
| 45) 1,2-Dichloropropane       | 6.793  | 63   | 59863    | 21.264  | ug/l   | 99       |
| 46) Dibromomethane            | 6.922  | 93   | 39189    | 21.379  | ug/l   | 99       |
| 47) Bromodichloromethane      | 7.108  | 83   | 76595    | 21.232  | ug/l   | 97       |
| 48) Methyl methacrylate       | 6.964  | 41   | 64092    | 20.849  | ug/l   | 99       |
| 49) 1,4-Dioxane               | 7.015  | 88   | 32325    | 413.745 | ug/l # | 100      |
| 51) 4-Methyl-2-Pentanone      | 7.793  | 43   | 447689   | 106.796 | ug/l   | 99       |
| 52) Toluene                   | 7.973  | 92   | 139316   | 21.425  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 8.214  | 75   | 86235    | 20.973  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 7.610  | 75   | 94665    | 21.498  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 8.404  | 97   | 55700    | 20.970  | ug/l   | 100      |
| 56) Ethyl methacrylate        | 8.337  | 69   | 90726    | 19.695  | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 8.578  | 76   | 99865    | 21.181  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 7.465  | 63   | 243212   | 99.896  | ug/l   | 99       |
| 59) 2-Hexanone                | 8.687  | 43   | 355901   | 109.578 | ug/l   | 99       |
| 60) Dibromochloromethane      | 8.812  | 129  | 52706    | 20.676  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 8.925  | 107  | 58182    | 20.913  | ug/l   | 99       |
| 64) Tetrachloroethene         | 8.555  | 164  | 41871    | 20.998  | ug/l   | 98       |
| 65) Chlorobenzene             | 9.449  | 112  | 138912   | 21.002  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 9.539  | 131  | 47135    | 21.122  | ug/l   | 99       |
| 67) Ethyl Benzene             | 9.571  | 91   | 258036   | 21.297  | ug/l   | 99       |
| 68) m/p-Xylenes               | 9.697  | 106  | 197259   | 43.131  | ug/l   | 99       |
| 69) o-Xylene                  | 10.102 | 106  | 95982    | 21.523  | ug/l   | 99       |
| 70) Styrene                   | 10.118 | 104  | 159991   | 20.000  | ug/l   | 99       |
| 71) Bromoform                 | 10.295 | 173  | 37087    | 19.630  | ug/l # | 98       |
| 73) Isopropylbenzene          | 10.488 | 105  | 249123   | 21.845  | ug/l   | 100      |
| 74) N-amyl acetate            | 10.320 | 43   | 111397   | 19.552  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 10.787 | 83   | 96911    | 21.411  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 10.828 | 75   | 111619   | 24.770  | ug/l   | 92       |
| 77) Bromobenzene              | 10.783 | 156  | 57354    | 21.554  | ug/l   | 98       |
| 78) n-propylbenzene           | 10.909 | 91   | 306655   | 22.179  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 10.989 | 91   | 181908   | 21.858  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.089 | 105  | 213432   | 22.241  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 10.549 | 75   | 29973    | 20.295  | ug/l   | 97       |
| 82) 4-Chlorotoluene           | 11.099 | 91   | 210850   | 22.280  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 11.423 | 119  | 202832   | 21.897  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.472 | 105  | 212231   | 22.073  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.645 | 105  | 267102   | 21.974  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 11.796 | 119  | 219813   | 20.524  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 11.748 | 146  | 110902   | 21.114  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 11.838 | 146  | 112187   | 20.887  | ug/l   | 100      |
| 89) n-Butylbenzene            | 12.211 | 91   | 209983   | 20.487  | ug/l   | 100      |
| 90) Hexachloroethane          | 12.478 | 117  | 36893    | 21.264  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 12.214 | 146  | 109967   | 20.932  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.999 | 75   | 23428    | 21.550  | ug/l   | 94       |
| 93) 1,2,4-Trichlorobenzene    | 13.841 | 180  | 73781    | 20.972  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 14.024 | 225  | 28876    | 22.543  | ug/l   | 96       |
| 95) Naphthalene               | 14.089 | 128  | 278312   | 20.070  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 14.333 | 180  | 76203    | 21.489  | ug/l   | 99       |

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U102821W.M  
Quant Title : SW846 8260  
QLast Update : Fri Oct 29 11:09:42 2021  
Response via : Initial Calibration

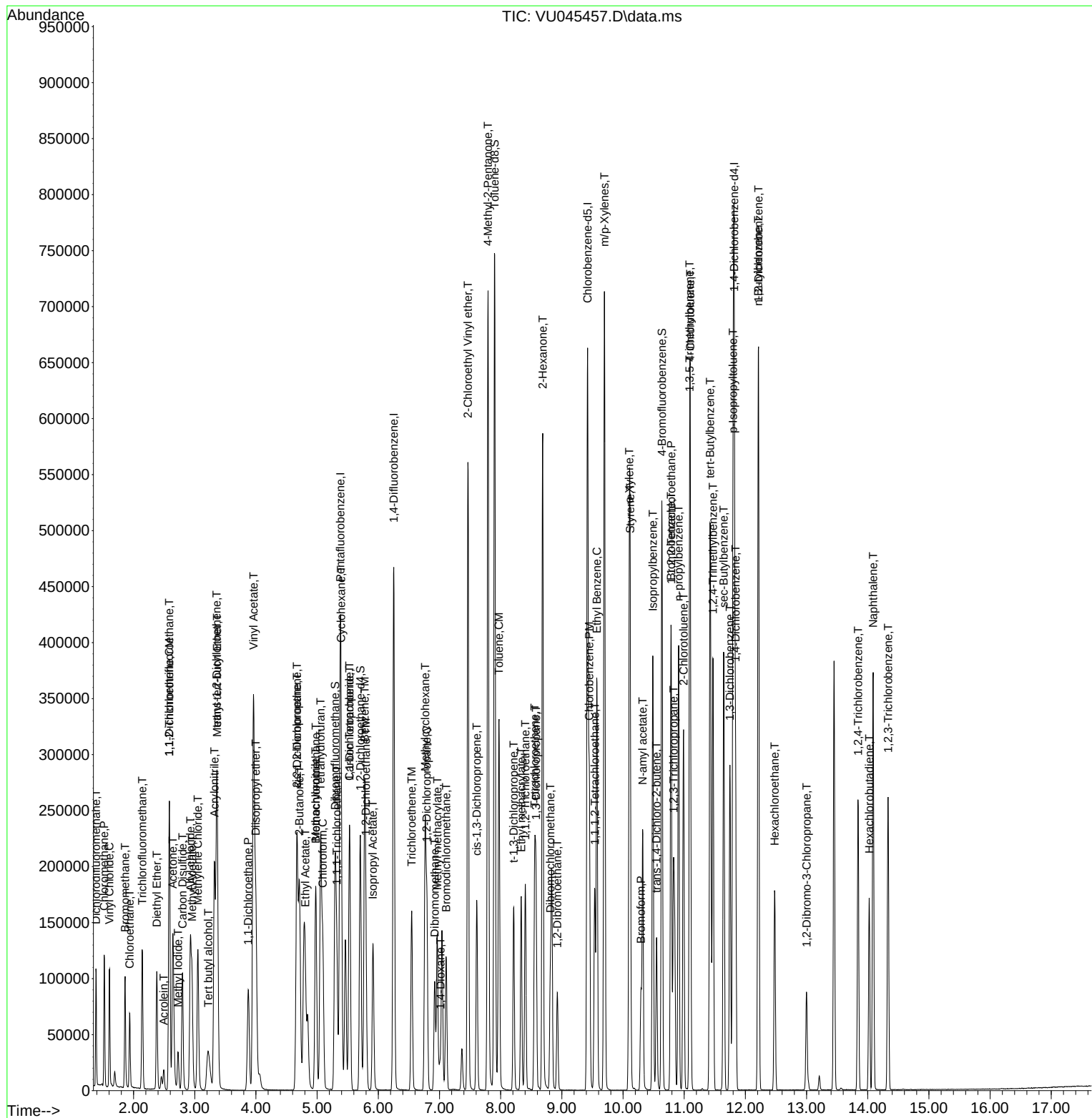
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

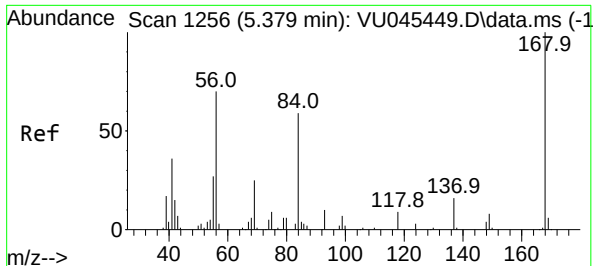
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 QLast Update : Fri Oct 29 11:09:42 2021  
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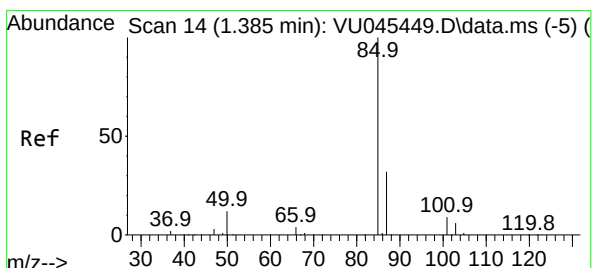
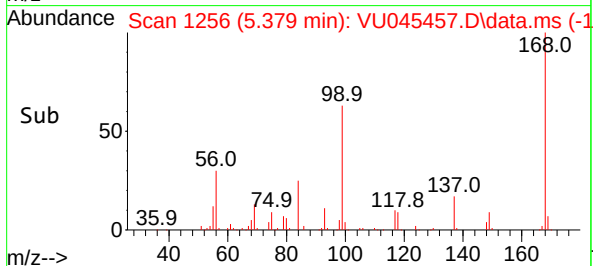
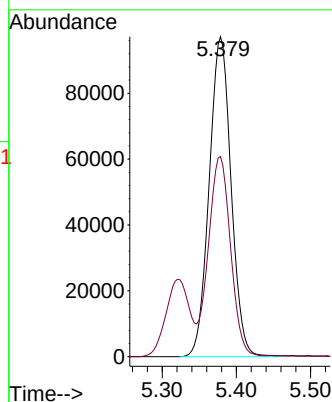
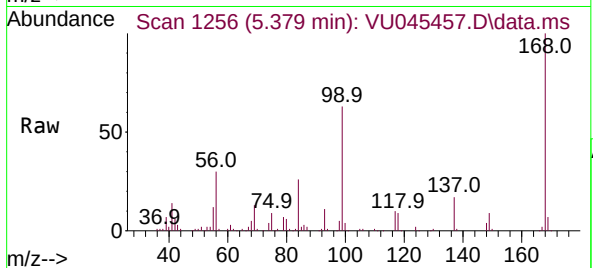




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.379 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VU045457.D  
Acq: 29 Oct 2021 12:27

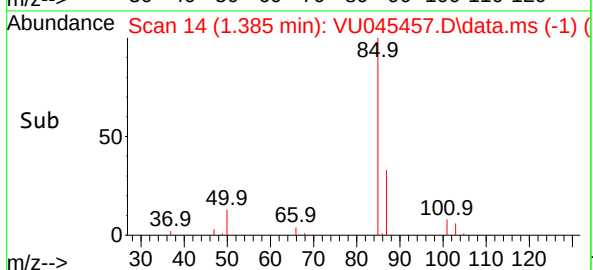
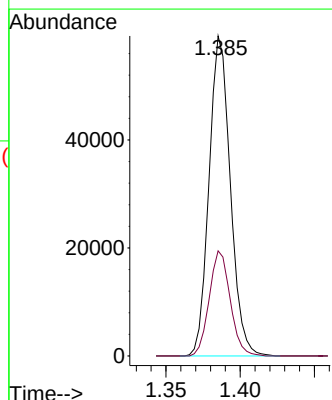
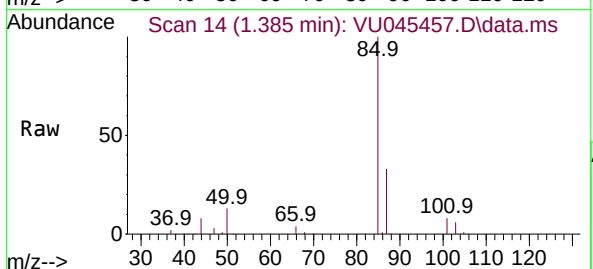
Instrument :  
MSVOA\_U  
ClientSampleId :

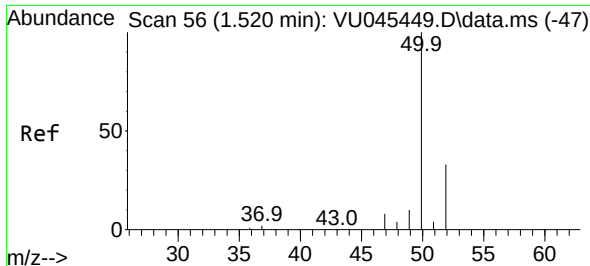
Tgt Ion:168 Resp: 198775  
Ion Ratio Lower Upper  
168 100  
99 62.3 51.0 76.6



#2  
Dichlorodifluoromethane  
Concen: 20.469 ug/l  
RT: 1.385 min Scan# 14  
Delta R.T. 0.000 min  
Lab File: VU045457.D  
Acq: 29 Oct 2021 12:27

Tgt Ion: 85 Resp: 58950  
Ion Ratio Lower Upper  
85 100  
87 32.8 15.9 47.7

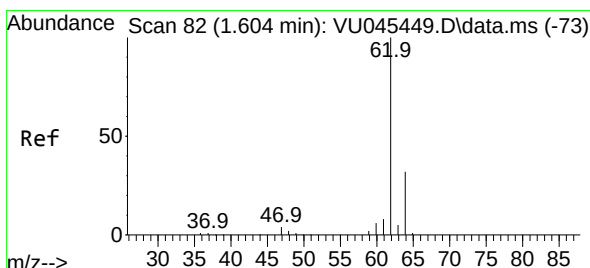
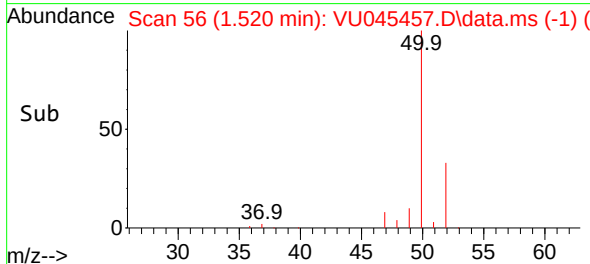
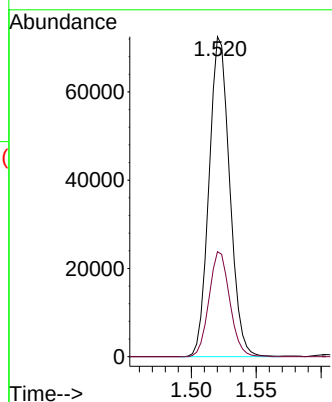
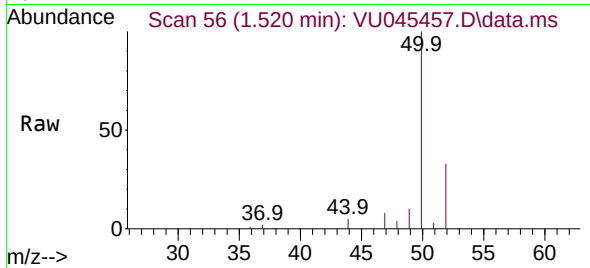




#3  
Chloromethane  
Concen: 20.248 ug/l  
RT: 1.520 min Scan# 50  
Delta R.T. 0.000 min  
Lab File: VU045457.D  
Acq: 29 Oct 2021 12:27

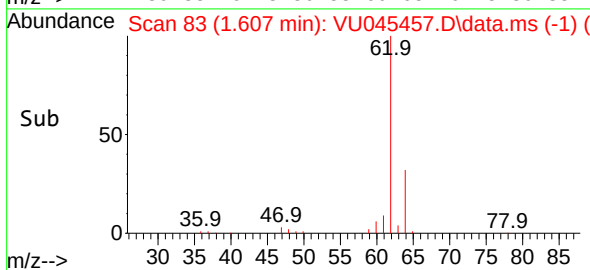
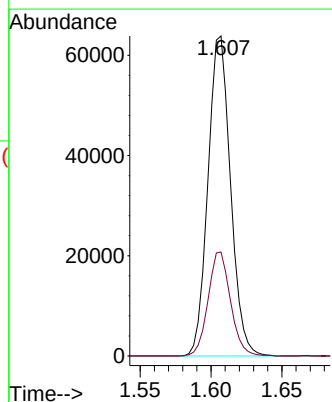
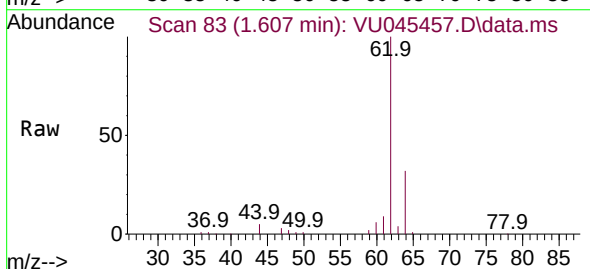
Instrument :  
MSVOA\_U  
ClientSampleId :

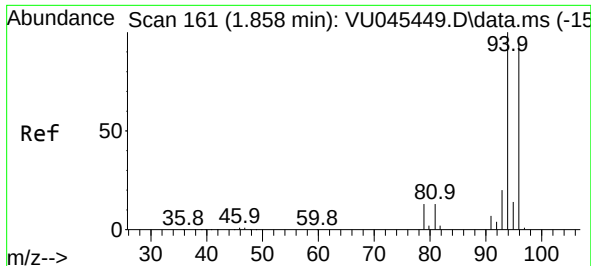
Tgt Ion: 50 Resp: 80089  
Ion Ratio Lower Upper  
50 100  
52 32.8 26.6 40.0



#4  
Vinyl Chloride  
Concen: 21.531 ug/l  
RT: 1.607 min Scan# 83  
Delta R.T. 0.003 min  
Lab File: VU045457.D  
Acq: 29 Oct 2021 12:27

Tgt Ion: 62 Resp: 70698  
Ion Ratio Lower Upper  
62 100  
64 32.5 25.8 38.6

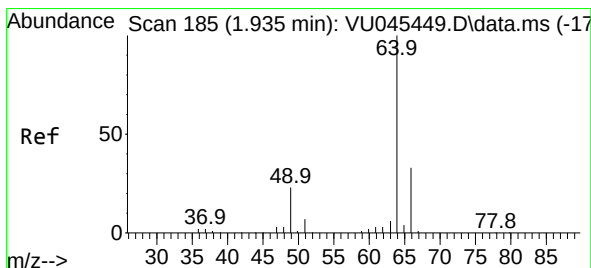
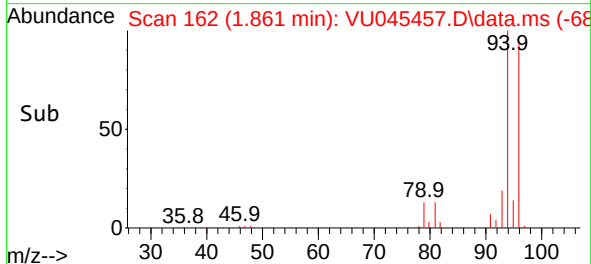
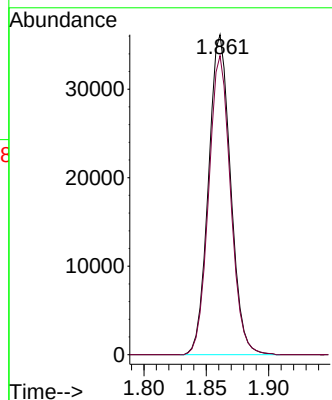
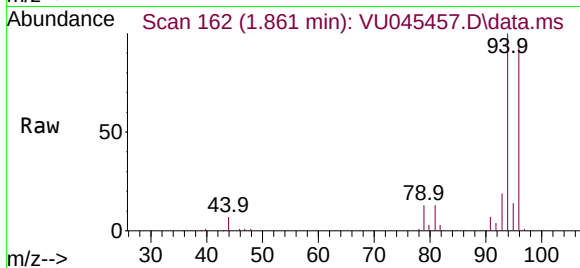




#5  
Bromomethane  
Concen: 22.446 ug/l  
RT: 1.861 min Scan# 1  
Delta R.T. 0.003 min  
Lab File: VU045457.D  
Acq: 29 Oct 2021 12:27

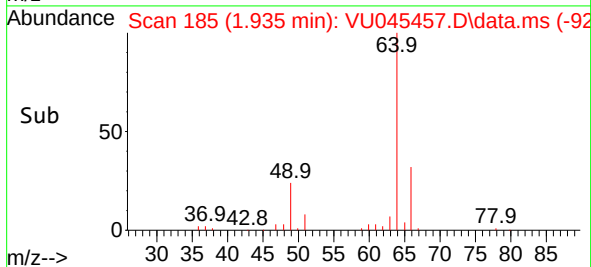
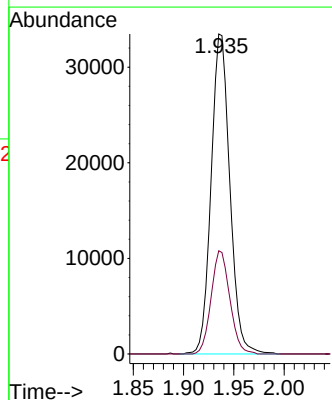
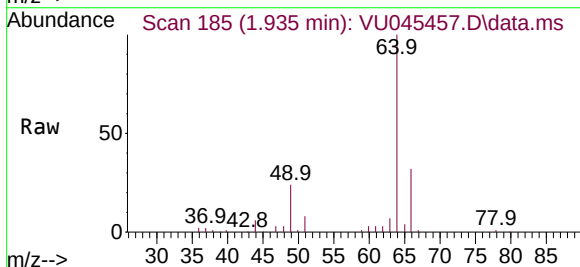
Instrument :  
MSVOA\_U  
ClientSampleId :

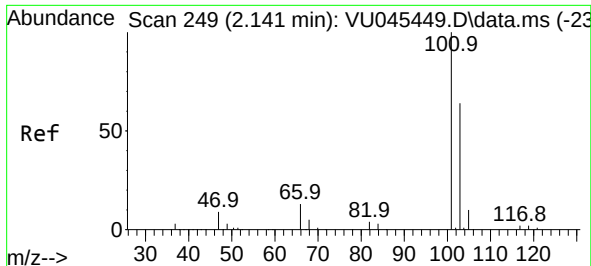
Tgt Ion: 94 Resp: 44742  
Ion Ratio Lower Upper  
94 100  
96 93.5 75.4 113.2



#6  
Chloroethane  
Concen: 21.907 ug/l  
RT: 1.935 min Scan# 185  
Delta R.T. -0.000 min  
Lab File: VU045457.D  
Acq: 29 Oct 2021 12:27

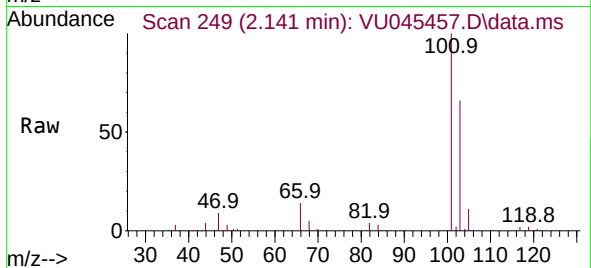
Tgt Ion: 64 Resp: 43339  
Ion Ratio Lower Upper  
64 100  
66 32.3 26.7 40.1



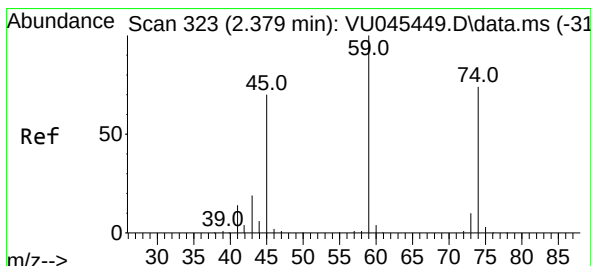
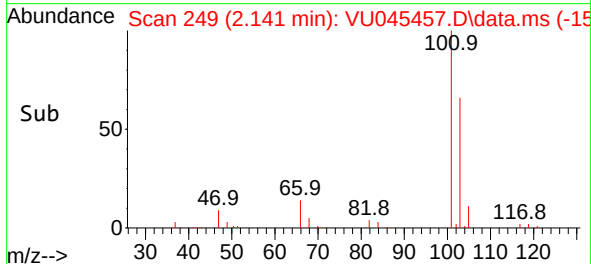
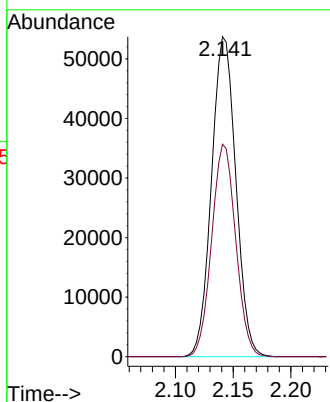


#7  
 Trichlorofluoromethane  
 Concen: 21.426 ug/l  
 RT: 2.141 min Scan# 249  
 Delta R.T. 0.000 min  
 Lab File: VU045457.D  
 Acq: 29 Oct 2021 12:27

Instrument :  
 MSVOA\_U  
 ClientSampleId :

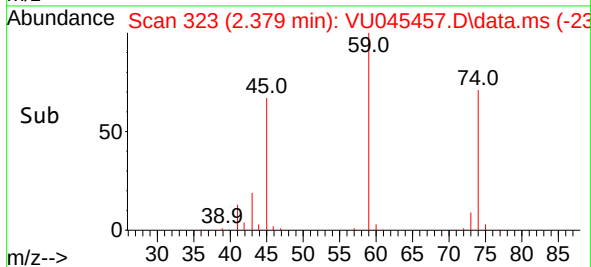
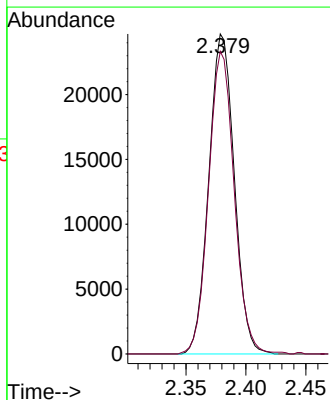
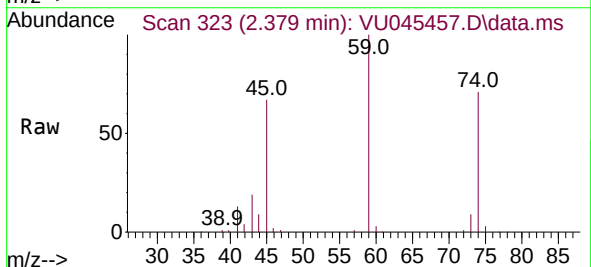


Tgt Ion:101 Resp: 78770  
 Ion Ratio Lower Upper  
 101 100  
 103 66.4 51.4 77.0

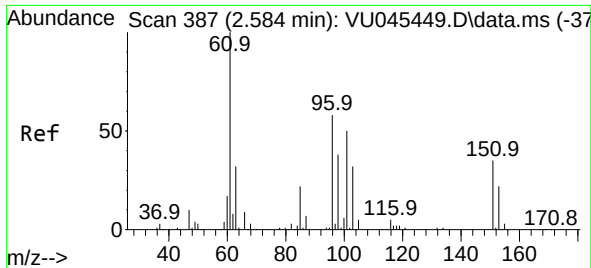


#8  
 Diethyl Ether  
 Concen: 21.373 ug/l  
 RT: 2.379 min Scan# 323  
 Delta R.T. 0.000 min  
 Lab File: VU045457.D  
 Acq: 29 Oct 2021 12:27

Tgt Ion: 74 Resp: 36430  
 Ion Ratio Lower Upper  
 74 100  
 45 95.2 47.3 141.8



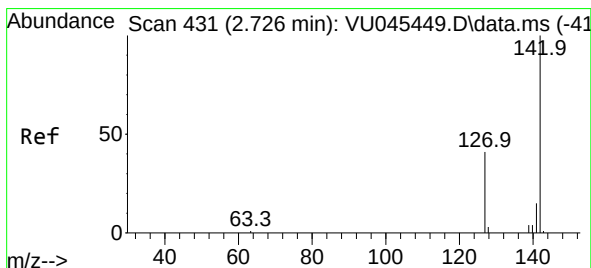
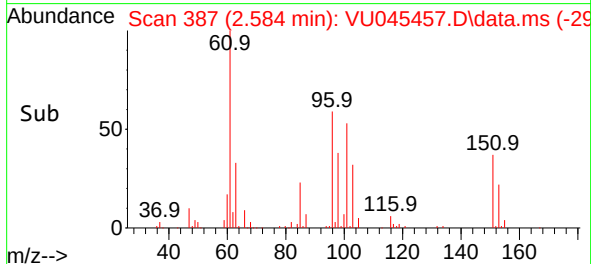
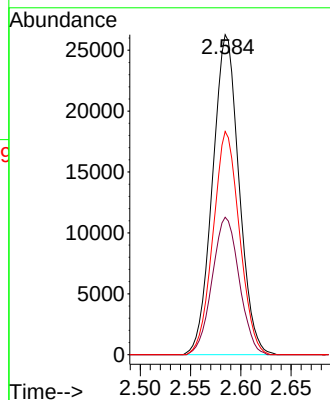
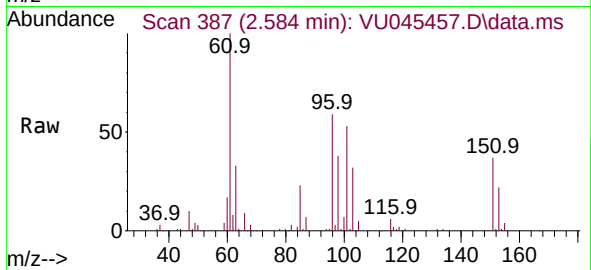




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 21.807 ug/l  
RT: 2.584 min Scan# 387  
Delta R.T. 0.000 min  
Lab File: VU045457.D  
Acq: 29 Oct 2021 12:27

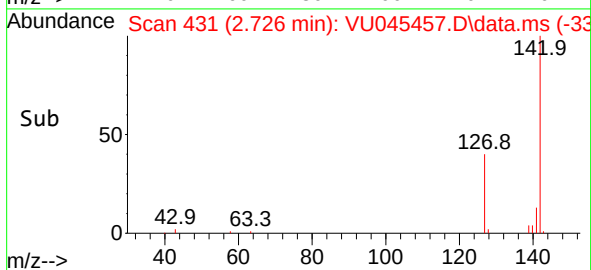
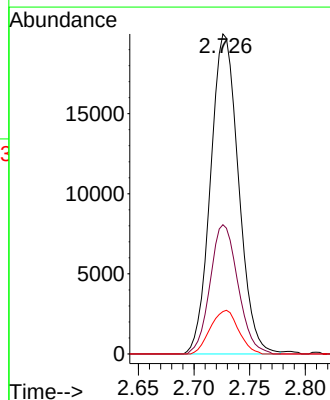
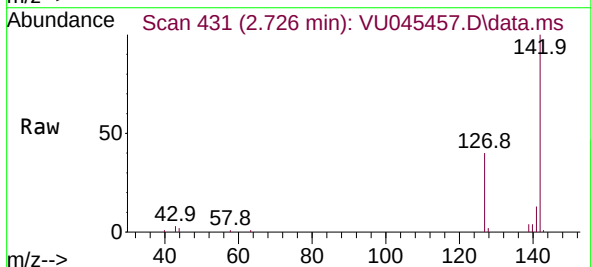
Instrument :  
MSVOA\_U  
ClientSampleId :

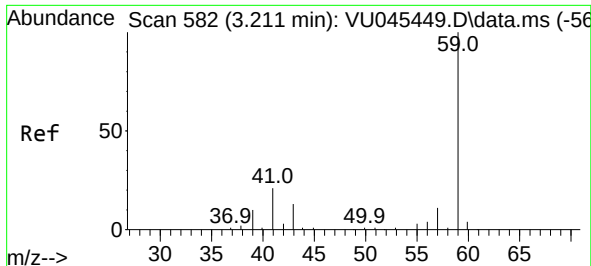
Tgt Ion:101 Resp: 48165  
Ion Ratio Lower Upper  
101 100  
85 43.7 35.0 52.4  
151 69.4 54.6 82.0



#10  
Methyl Iodide  
Concen: 22.664 ug/l  
RT: 2.726 min Scan# 431  
Delta R.T. -0.000 min  
Lab File: VU045457.D  
Acq: 29 Oct 2021 12:27

Tgt Ion:142 Resp: 34894  
Ion Ratio Lower Upper  
142 100  
127 40.2 32.2 48.2  
141 13.7 11.3 16.9

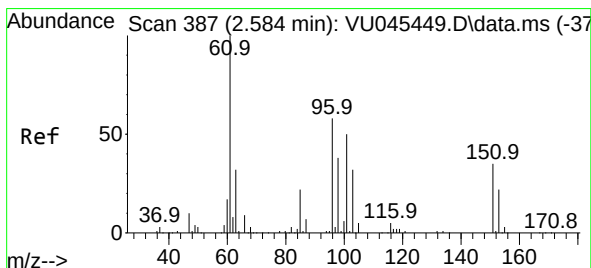
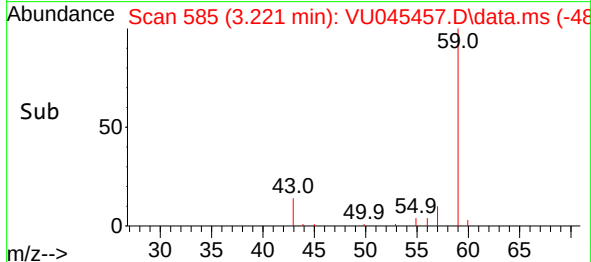
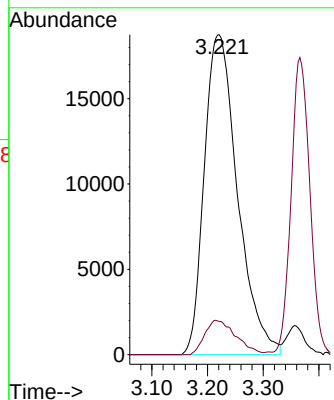
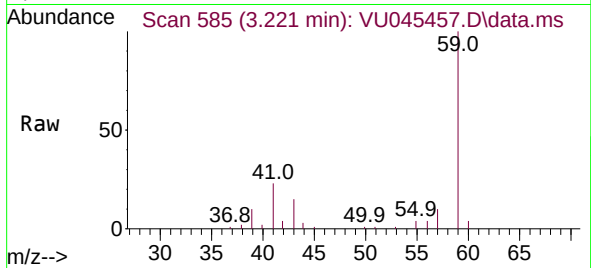




#11  
Tert butyl alcohol  
Concen: 111.342 ug/l  
RT: 3.221 min Scan# 582  
Delta R.T. 0.010 min  
Lab File: VU045457.D  
Acq: 29 Oct 2021 12:27

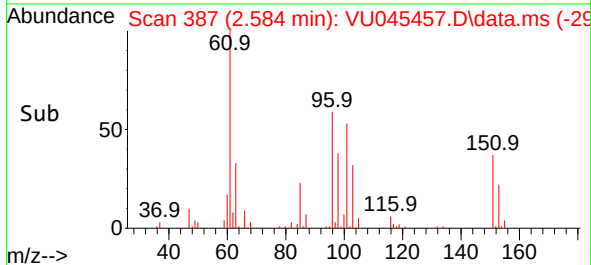
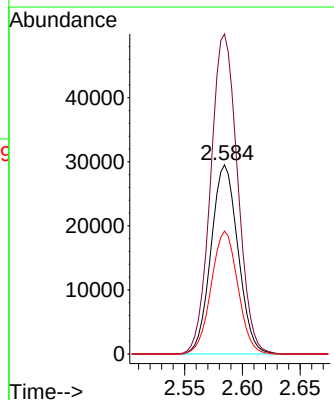
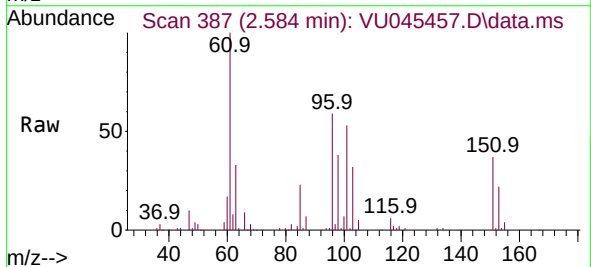
Instrument :  
MSVOA\_U  
ClientSampleId :

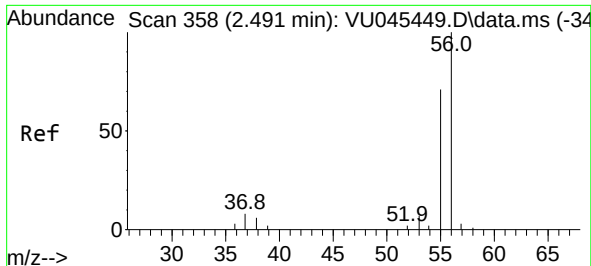
Tgt Ion: 59 Resp: 77775  
Ion Ratio Lower Upper  
59 100  
57 10.1 8.3 12.5



#12  
1,1-Dichloroethene  
Concen: 21.126 ug/l  
RT: 2.584 min Scan# 387  
Delta R.T. 0.000 min  
Lab File: VU045457.D  
Acq: 29 Oct 2021 12:27

Tgt Ion: 96 Resp: 47977  
Ion Ratio Lower Upper  
96 100  
61 169.2 137.1 205.7  
98 64.9 51.5 77.3

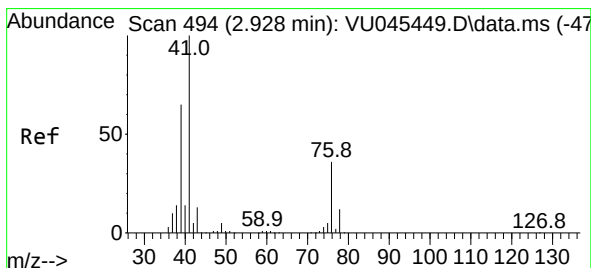
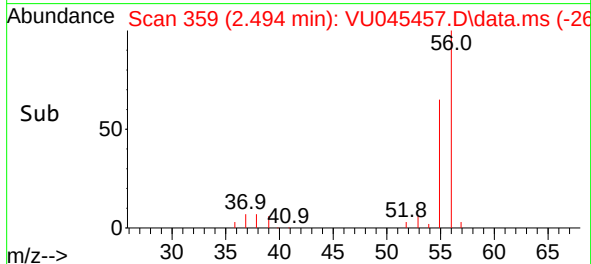
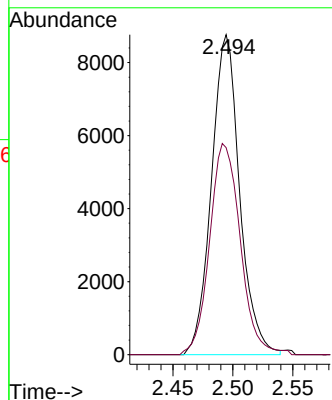
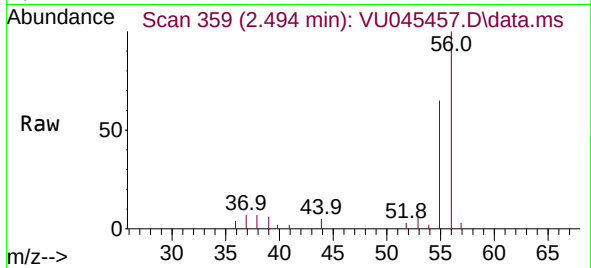




#13  
Acrolein  
Concen: 91.659 ug/l  
RT: 2.494 min Scan# 358  
Delta R.T. 0.003 min  
Lab File: VU045457.D  
Acq: 29 Oct 2021 12:27

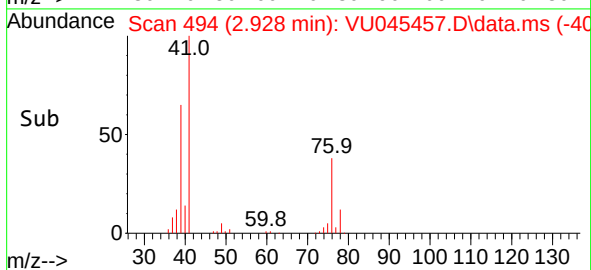
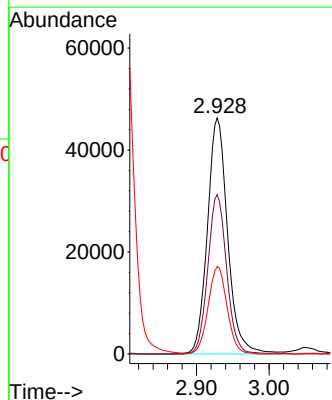
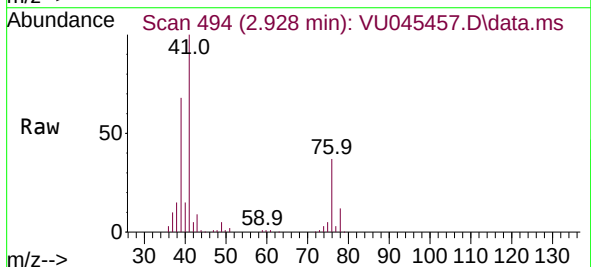
Instrument :  
MSVOA\_U  
ClientSampleId :

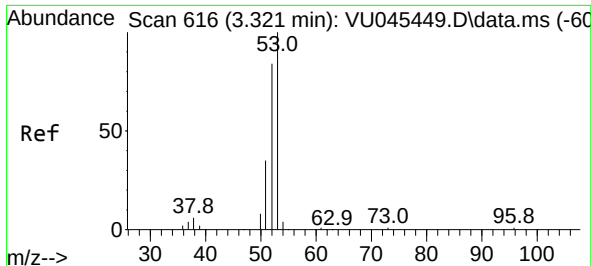
Tgt Ion: 56 Resp: 14330  
Ion Ratio Lower Upper  
56 100  
55 71.8 56.3 84.5



#14  
Allyl chloride  
Concen: 21.544 ug/l  
RT: 2.928 min Scan# 494  
Delta R.T. 0.000 min  
Lab File: VU045457.D  
Acq: 29 Oct 2021 12:27

Tgt Ion: 41 Resp: 89838  
Ion Ratio Lower Upper  
41 100  
39 62.7 49.7 74.5  
76 34.6 27.7 41.5

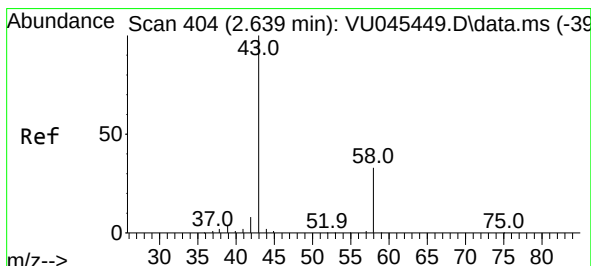
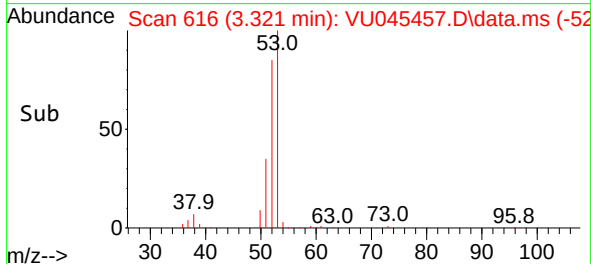
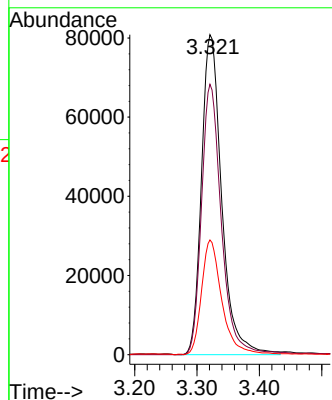
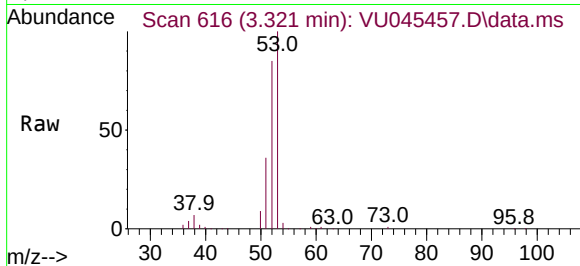




#15  
Acrylonitrile  
Concen: 107.786 ug/l  
RT: 3.321 min Scan# 616  
Delta R.T. 0.000 min  
Lab File: VU045457.D  
Acq: 29 Oct 2021 12:27

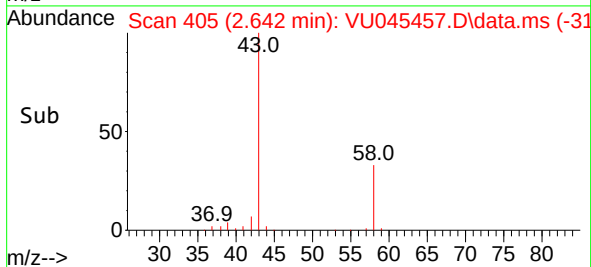
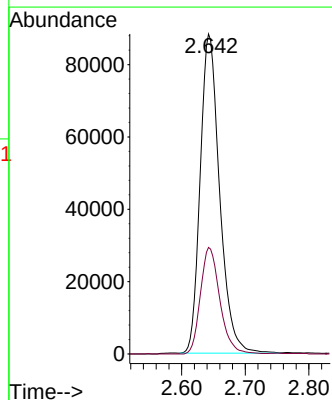
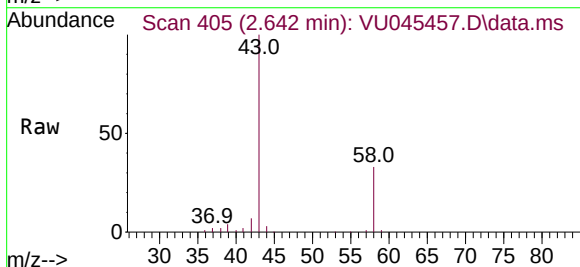
Instrument :  
MSVOA\_U  
ClientSampleId :

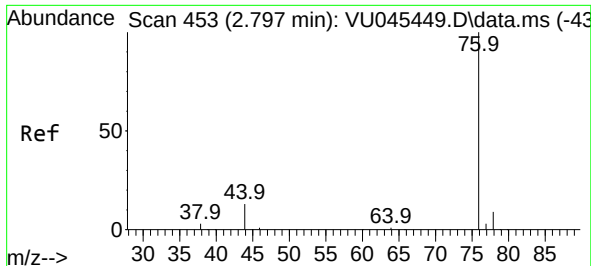
Tgt Ion: 53 Resp: 182543  
Ion Ratio Lower Upper  
53 100  
52 83.3 66.6 100.0  
51 36.2 28.4 42.6



#16  
Acetone  
Concen: 127.114 ug/l  
RT: 2.642 min Scan# 405  
Delta R.T. 0.003 min  
Lab File: VU045457.D  
Acq: 29 Oct 2021 12:27

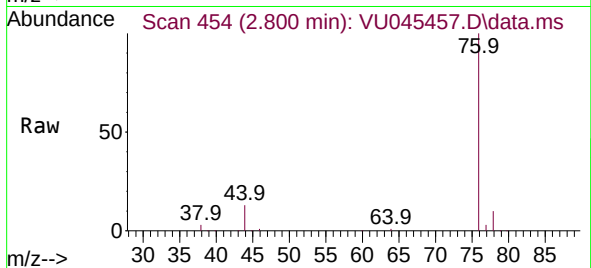
Tgt Ion: 43 Resp: 186749  
Ion Ratio Lower Upper  
43 100  
58 33.4 26.2 39.2



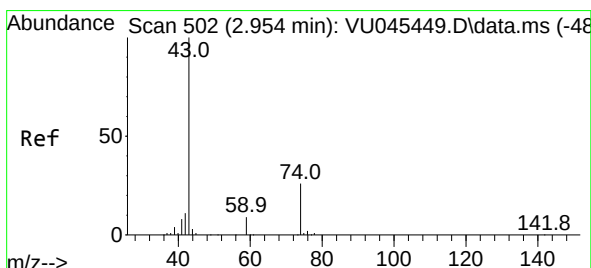
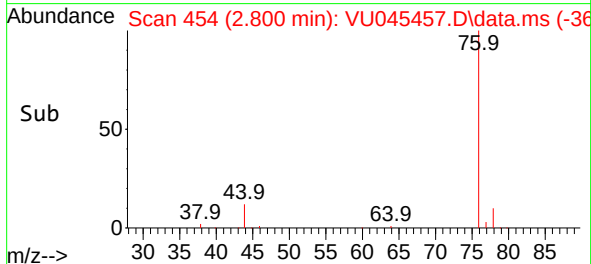
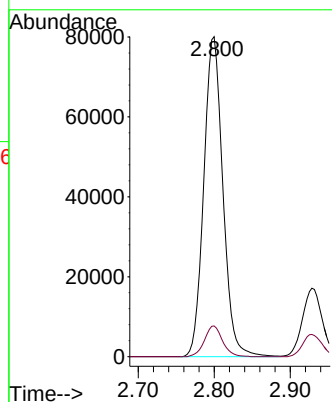


#17  
Carbon Disulfide  
Concen: 21.159 ug/l  
RT: 2.800 min Scan# 41  
Delta R.T. 0.003 min  
Lab File: VU045457.D  
Acq: 29 Oct 2021 12:27

Instrument :  
MSVOA\_U  
ClientSampleId :

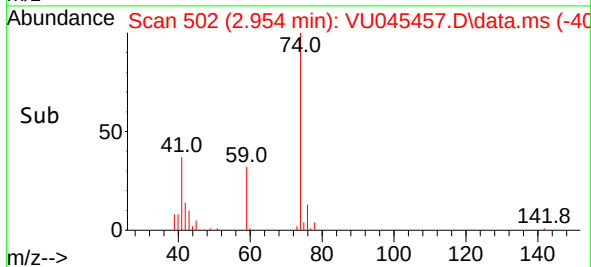
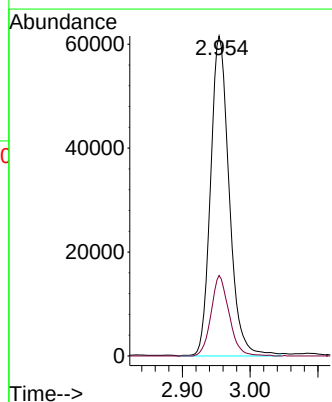
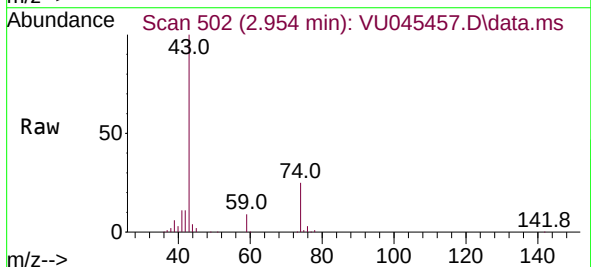


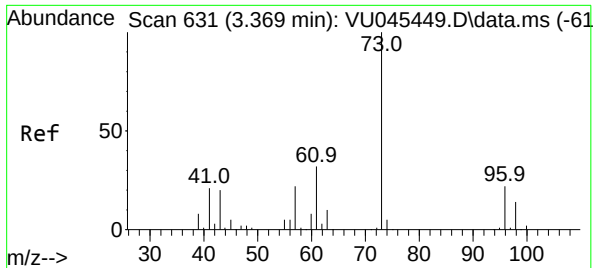
Tgt Ion: 76 Resp: 139839  
Ion Ratio Lower Upper  
76 100  
78 9.6 7.3 10.9



#18  
Methyl Acetate  
Concen: 21.466 ug/l  
RT: 2.954 min Scan# 502  
Delta R.T. 0.000 min  
Lab File: VU045457.D  
Acq: 29 Oct 2021 12:27

Tgt Ion: 43 Resp: 117437  
Ion Ratio Lower Upper  
43 100  
74 24.3 20.2 30.2

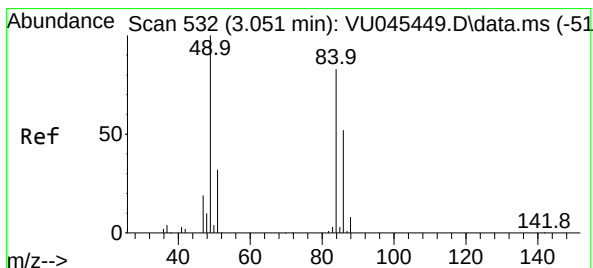
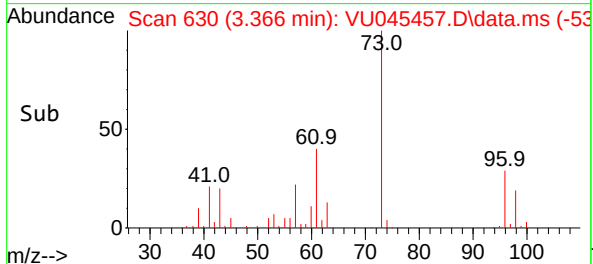
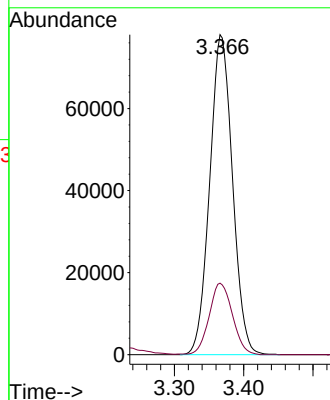
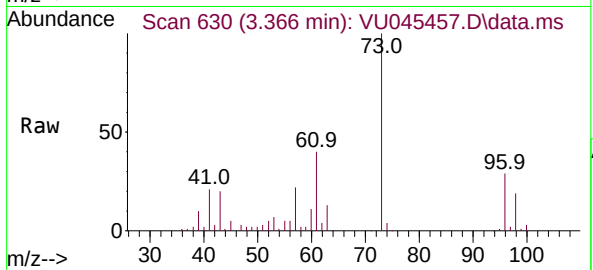




#19  
Methyl tert-butyl Ether  
Concen: 21.313 ug/l  
RT: 3.366 min Scan# 61  
Delta R.T. -0.003 min  
Lab File: VU045457.D  
Acq: 29 Oct 2021 12:27

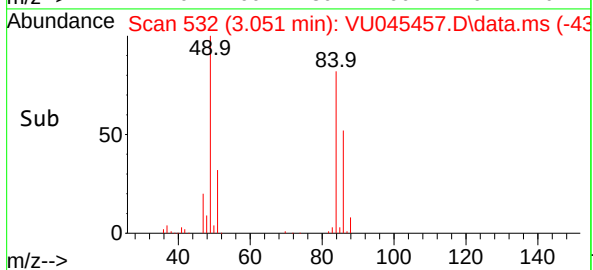
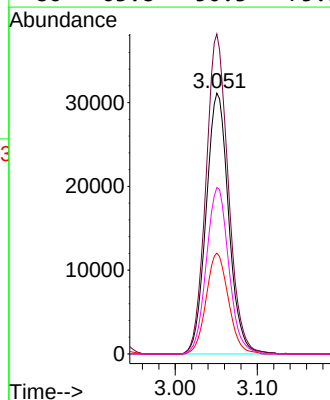
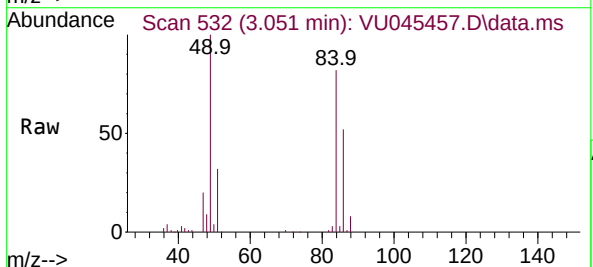
Instrument :  
MSVOA\_U  
ClientSampleId :

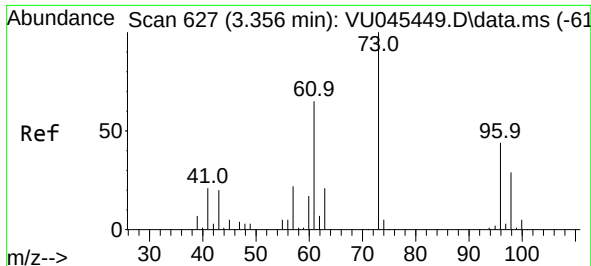
Tgt Ion: 73 Resp: 178084  
Ion Ratio Lower Upper  
73 100  
57 22.3 18.1 27.1



#20  
Methylene Chloride  
Concen: 20.327 ug/l  
RT: 3.051 min Scan# 532  
Delta R.T. 0.000 min  
Lab File: VU045457.D  
Acq: 29 Oct 2021 12:27

Tgt Ion: 84 Resp: 59508  
Ion Ratio Lower Upper  
84 100  
49 122.7 96.4 144.6  
51 38.6 30.5 45.7  
86 63.8 50.3 75.5

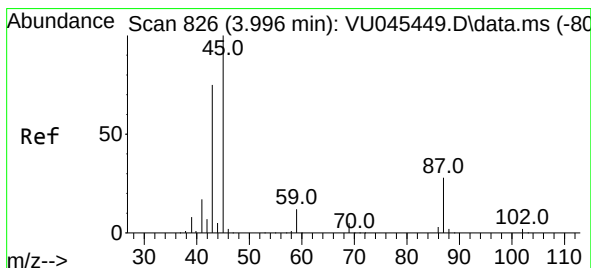
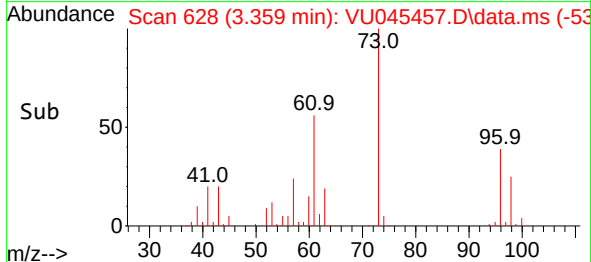
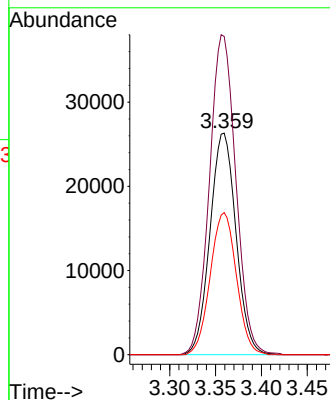
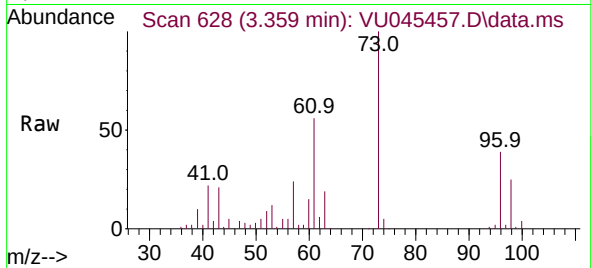




#21  
trans-1,2-Dichloroethene  
Concen: 21.264 ug/l  
RT: 3.359 min Scan# 61  
Delta R.T. 0.003 min  
Lab File: VU045457.D  
Acq: 29 Oct 2021 12:27

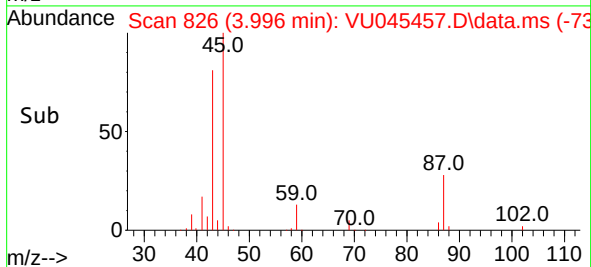
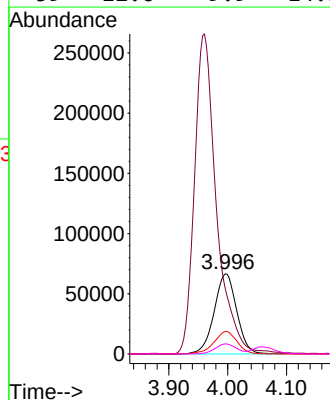
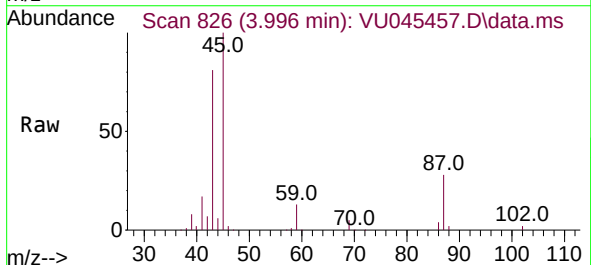
Instrument :  
MSVOA\_U  
ClientSampleId :

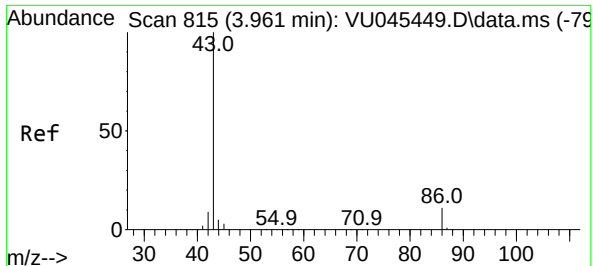
Tgt Ion: 96 Resp: 52038  
Ion Ratio Lower Upper  
96 100  
61 143.6 118.2 177.4  
98 64.1 52.1 78.1



#22  
Diisopropyl ether  
Concen: 21.782 ug/l  
RT: 3.996 min Scan# 826  
Delta R.T. 0.000 min  
Lab File: VU045457.D  
Acq: 29 Oct 2021 12:27

Tgt Ion: 45 Resp: 177621  
Ion Ratio Lower Upper  
45 100  
43 79.1 60.0 90.0  
87 28.1 22.3 33.5  
59 12.6 9.9 14.9

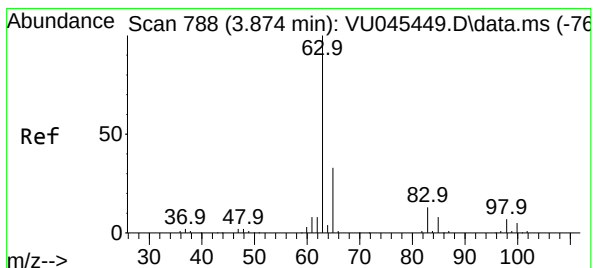
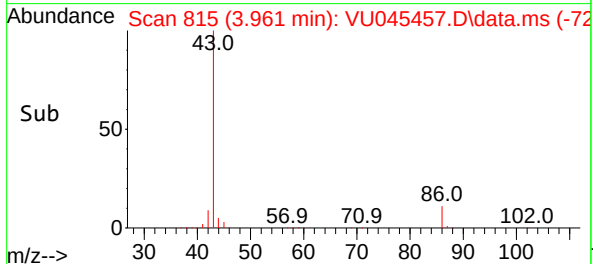
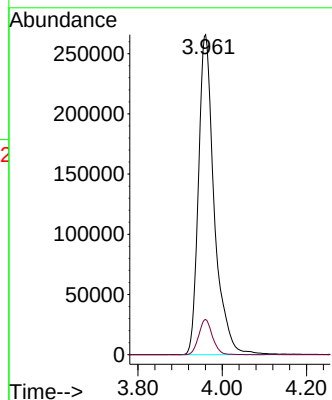
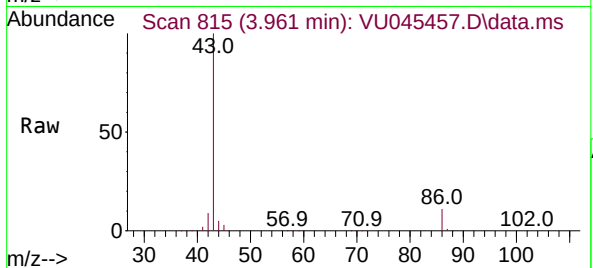




#23  
 Vinyl Acetate  
 Concen: 109.200 ug/l  
 RT: 3.961 min Scan# 815  
 Delta R.T. 0.000 min  
 Lab File: VU045457.D  
 Acq: 29 Oct 2021 12:27

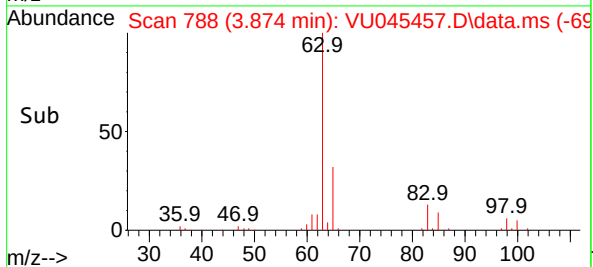
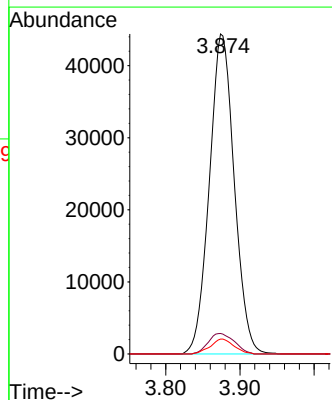
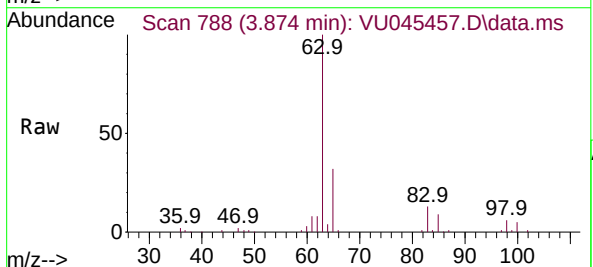
Instrument :  
 MSVOA\_U  
 ClientSampleId :

Tgt Ion: 43 Resp: 690741  
 Ion Ratio Lower Upper  
 43 100  
 86 11.0 8.9 13.3

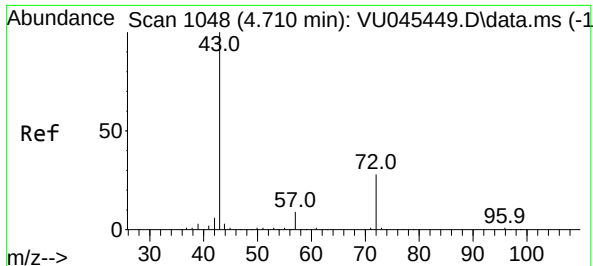


#24  
 1,1-Dichloroethane  
 Concen: 21.629 ug/l  
 RT: 3.874 min Scan# 788  
 Delta R.T. 0.000 min  
 Lab File: VU045457.D  
 Acq: 29 Oct 2021 12:27

Tgt Ion: 63 Resp: 103355  
 Ion Ratio Lower Upper  
 63 100  
 98 6.4 3.5 10.6  
 100 4.7 2.4 7.2







#25

2-Butanone

Concen: 117.075 ug/l

RT: 4.710 min Scan# 1048

Delta R.T. 0.000 min

Lab File: VU045457.D

Acq: 29 Oct 2021 12:27

Instrument :

MSVOA\_U

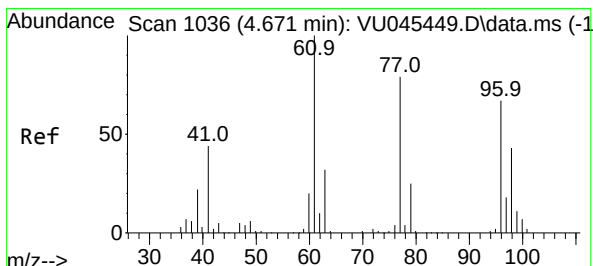
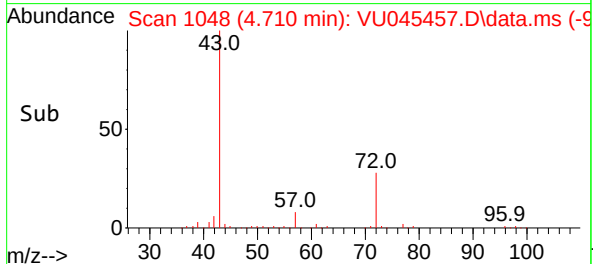
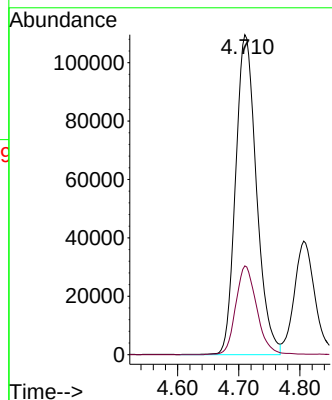
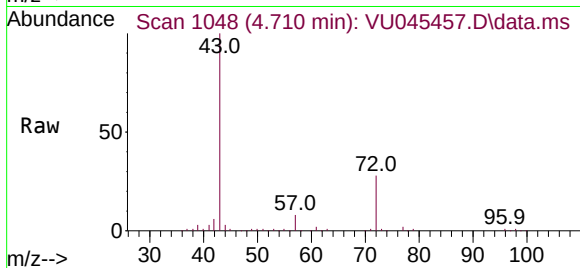
ClientSampleId :

Tgt Ion: 43 Resp: 259657

Ion Ratio Lower Upper

43 100

72 27.8 22.0 33.0



#26

2,2-Dichloropropane

Concen: 22.604 ug/l

RT: 4.671 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VU045457.D

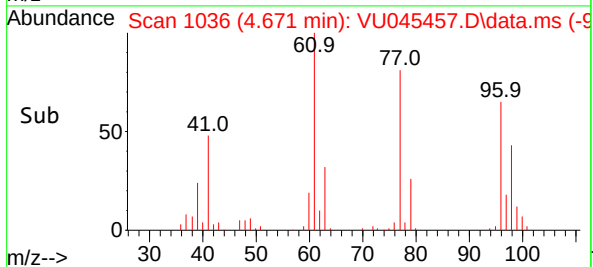
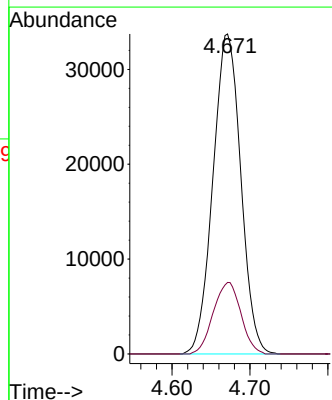
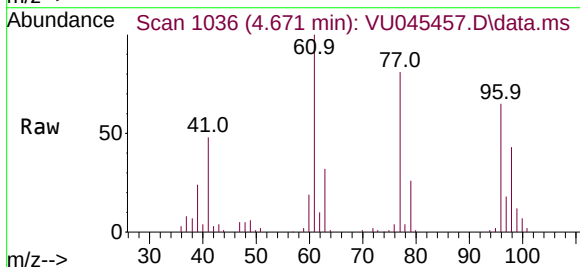
Acq: 29 Oct 2021 12:27

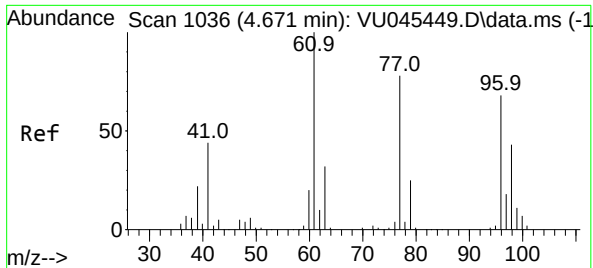
Tgt Ion: 77 Resp: 83679

Ion Ratio Lower Upper

77 100

97 22.2 11.4 34.1

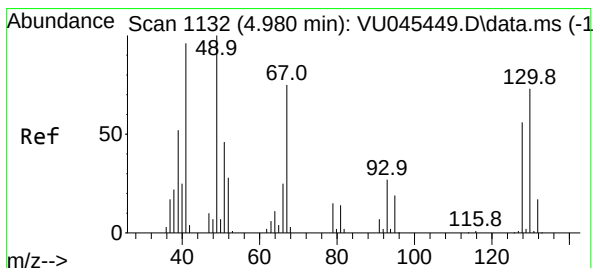
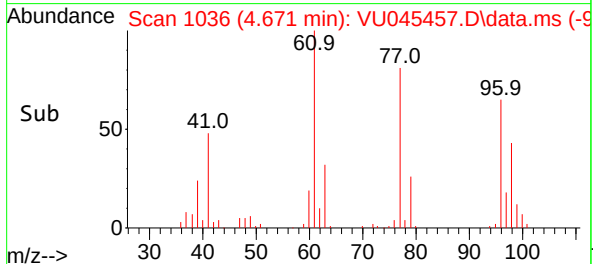
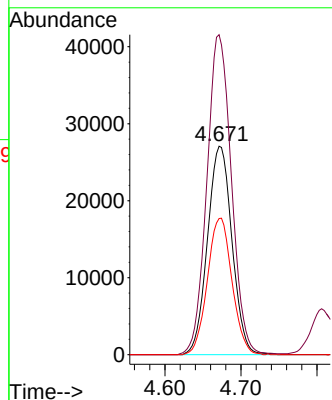
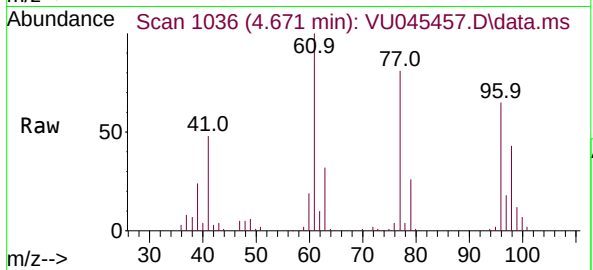




#27  
 cis-1,2-Dichloroethene  
 Concen: 21.554 ug/l  
 RT: 4.671 min Scan# 1036  
 Delta R.T. 0.000 min  
 Lab File: VU045457.D  
 Acq: 29 Oct 2021 12:27

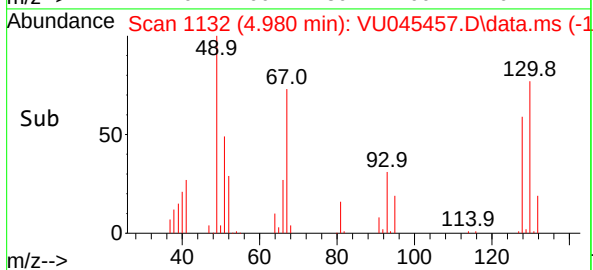
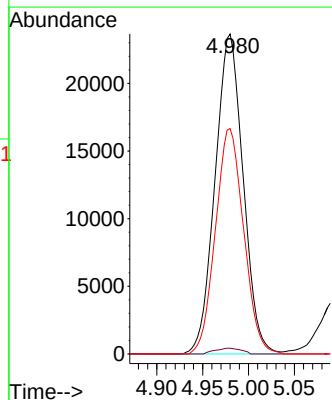
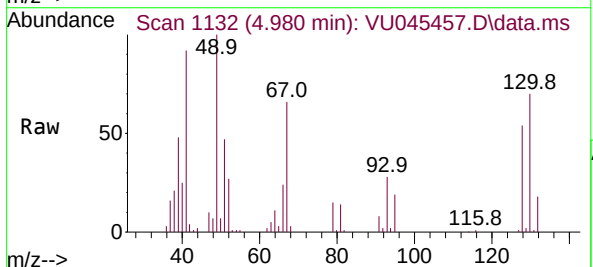
Instrument :  
 MSVOA\_U  
 ClientSampleId :

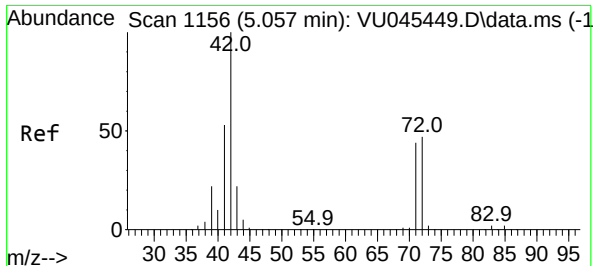
Tgt Ion: 96 Resp: 60697  
 Ion Ratio Lower Upper  
 96 100  
 61 154.0 0.0 299.2  
 98 65.5 0.0 127.6



#28  
 Bromochloromethane  
 Concen: 21.357 ug/l  
 RT: 4.980 min Scan# 1132  
 Delta R.T. 0.000 min  
 Lab File: VU045457.D  
 Acq: 29 Oct 2021 12:27

Tgt Ion: 49 Resp: 50339  
 Ion Ratio Lower Upper  
 49 100  
 129 1.7 0.0 3.4  
 130 70.8 57.5 86.3





#29

Tetrahydrofuran

Concen: 108.719 ug/l

RT: 5.057 min Scan# 1156

Delta R.T. 0.000 min

Lab File: VU045457.D

Acq: 29 Oct 2021 12:27

Instrument :

MSVOA\_U

ClientSampleId :

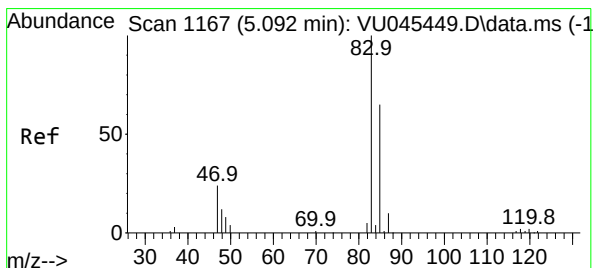
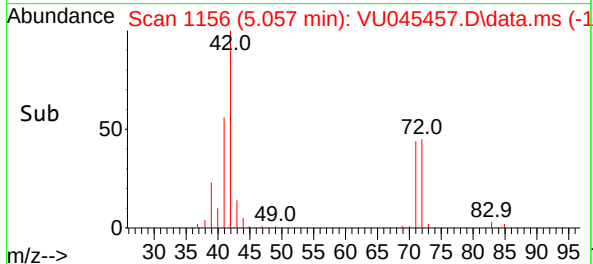
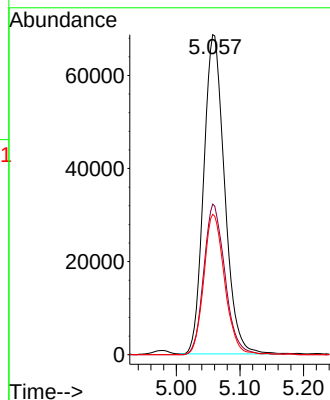
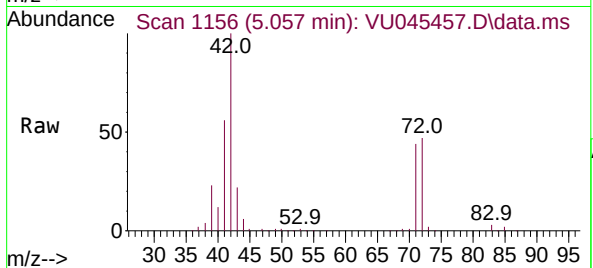
Tgt Ion: 42 Resp: 156373

Ion Ratio Lower Upper

42 100

72 47.9 38.2 57.4

71 43.7 35.4 53.2



#30

Chloroform

Concen: 21.398 ug/l

RT: 5.092 min Scan# 1167

Delta R.T. 0.000 min

Lab File: VU045457.D

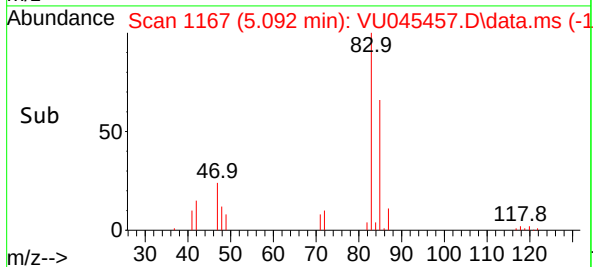
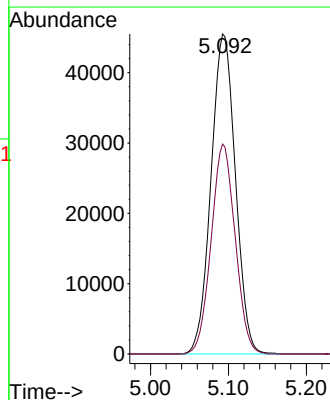
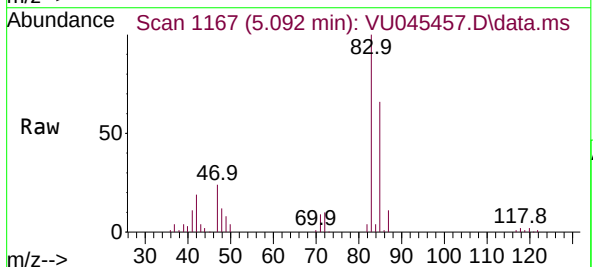
Acq: 29 Oct 2021 12:27

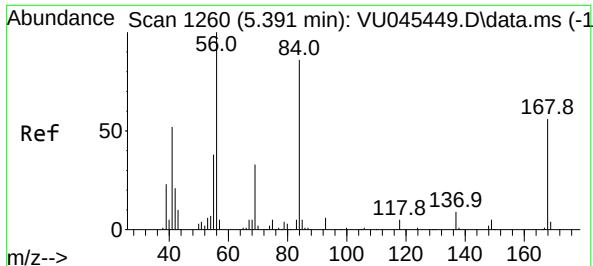
Tgt Ion: 83 Resp: 99143

Ion Ratio Lower Upper

83 100

85 65.6 52.0 78.0





#31

Cyclohexane

Concen: 20.996 ug/l

RT: 5.391 min Scan# 1260

Delta R.T. 0.000 min

Lab File: VU045457.D

Acq: 29 Oct 2021 12:27

Instrument :

MSVOA\_U

ClientSampleId :

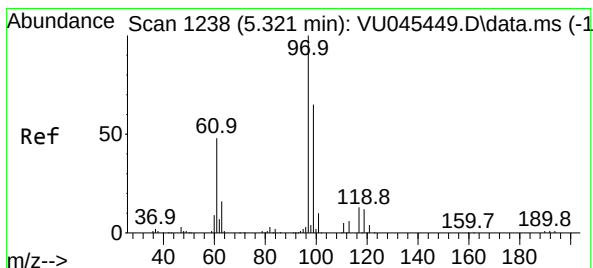
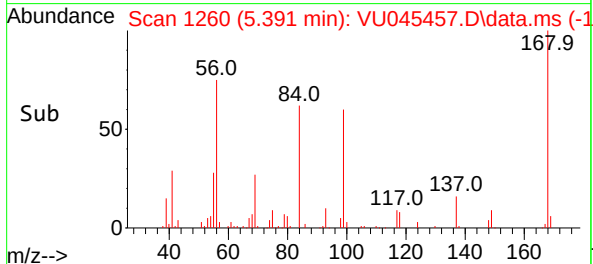
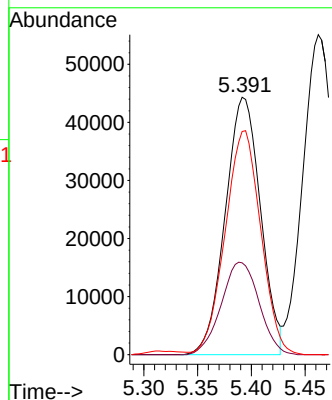
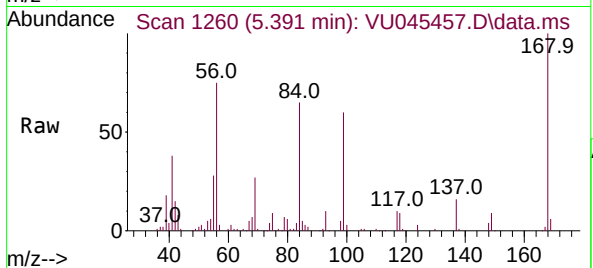
Tgt Ion: 56 Resp: 101161

Ion Ratio Lower Upper

56 100

69 35.7 26.4 39.6

84 85.7 68.4 102.6



#32

1,1,1-Trichloroethane

Concen: 21.643 ug/l

RT: 5.321 min Scan# 1238

Delta R.T. 0.000 min

Lab File: VU045457.D

Acq: 29 Oct 2021 12:27

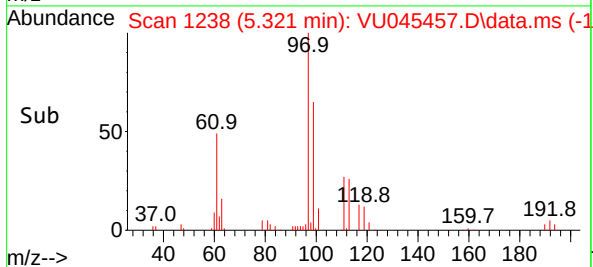
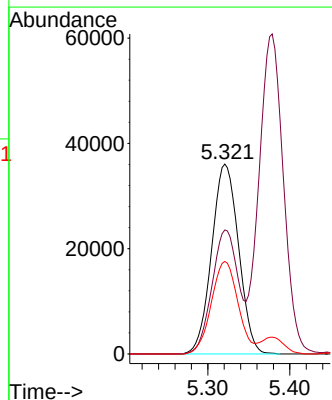
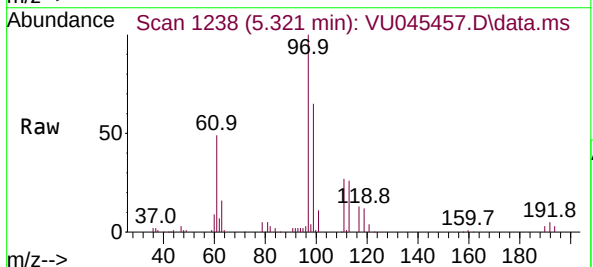
Tgt Ion: 97 Resp: 82300

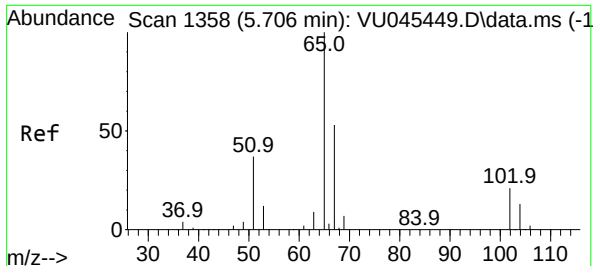
Ion Ratio Lower Upper

97 100

99 64.1 50.8 76.2

61 48.1 38.3 57.5





#33

1,2-Dichloroethane-d4

Concen: 51.987 ug/l

RT: 5.706 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU045457.D

Acq: 29 Oct 2021 12:27

Instrument :

MSVOA\_U

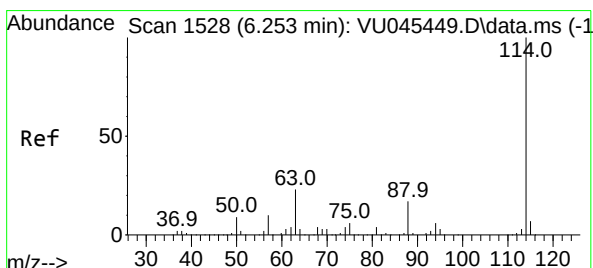
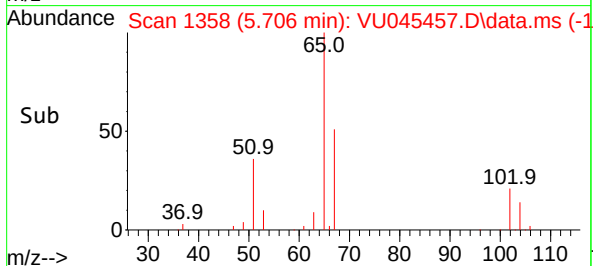
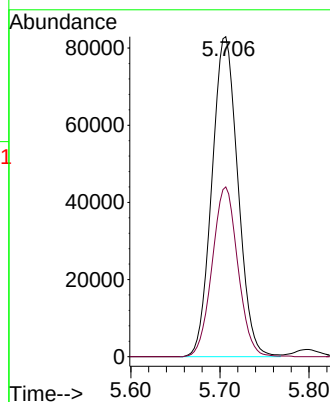
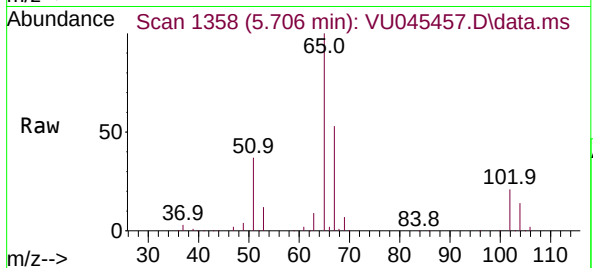
ClientSampleId :

Tgt Ion: 65 Resp: 168237

Ion Ratio Lower Upper

65 100

67 52.4 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: VU045457.D

Acq: 29 Oct 2021 12:27

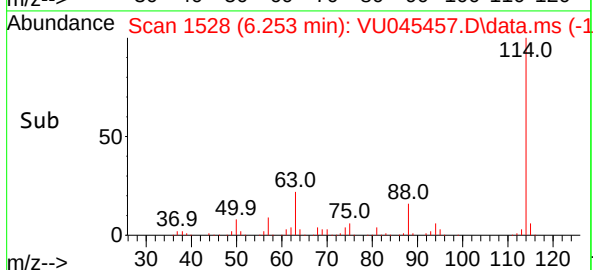
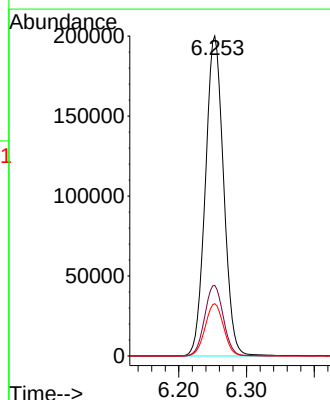
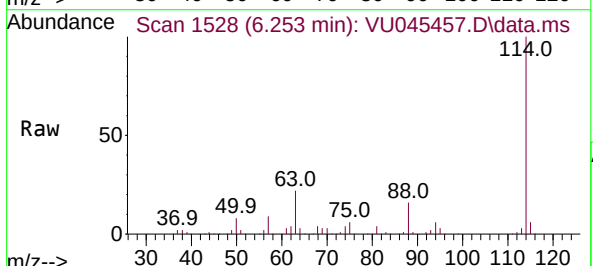
Tgt Ion: 114 Resp: 373309

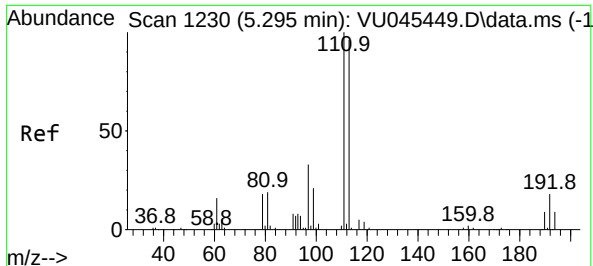
Ion Ratio Lower Upper

114 100

63 22.0 0.0 45.6

88 16.3 0.0 33.8





#35

Dibromofluoromethane

Concen: 50.973 ug/l

RT: 5.295 min Scan# 11

Delta R.T. 0.000 min

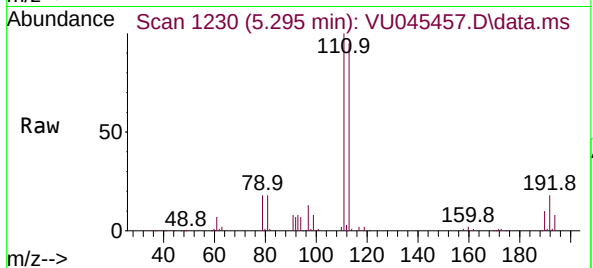
Lab File: VU045457.D

Acq: 29 Oct 2021 12:27

Instrument :

MSVOA\_U

ClientSampleId :



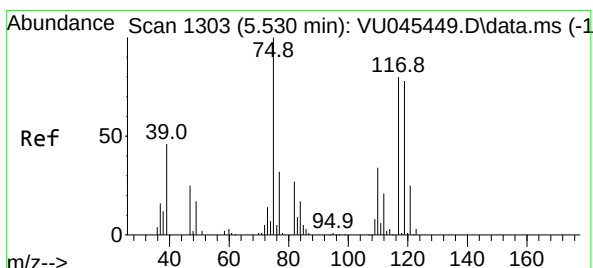
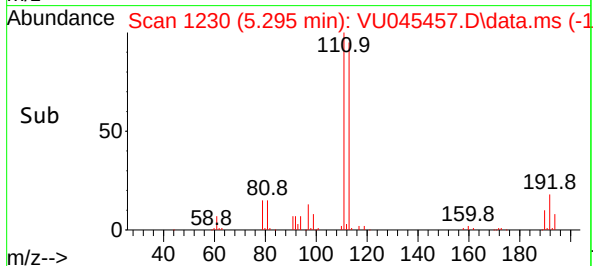
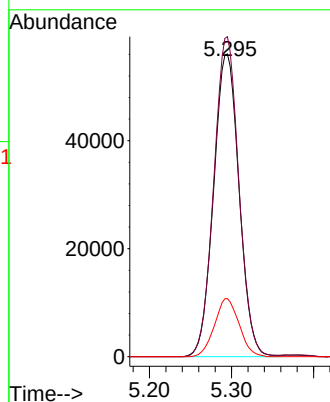
Tgt Ion:113 Resp: 120994

Ion Ratio Lower Upper

113 100

111 103.7 82.8 124.2

192 18.6 14.8 22.2



#36

1,1-Dichloropropene

Concen: 21.391 ug/l

RT: 5.530 min Scan# 1303

Delta R.T. 0.000 min

Lab File: VU045457.D

Acq: 29 Oct 2021 12:27

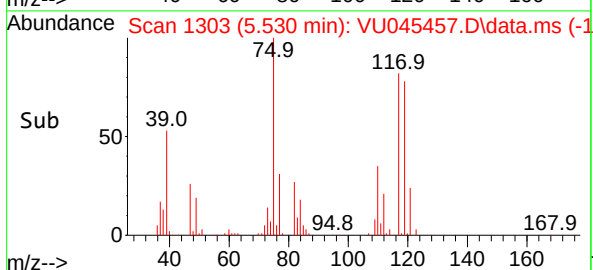
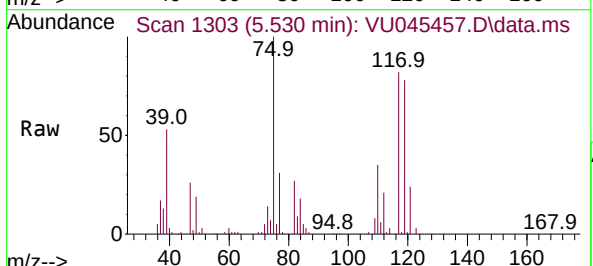
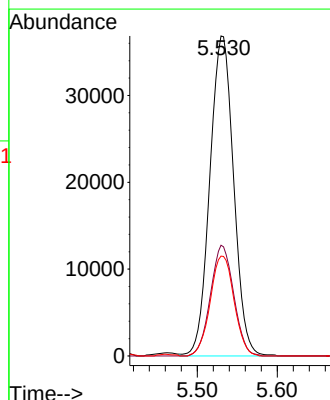
Tgt Ion: 75 Resp: 76014

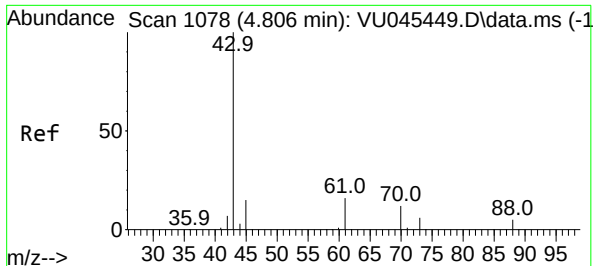
Ion Ratio Lower Upper

75 100

110 33.8 16.7 50.0

77 31.3 25.0 37.4

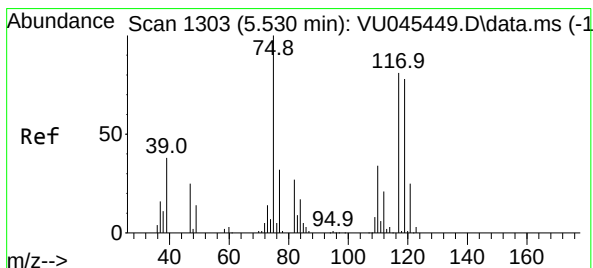
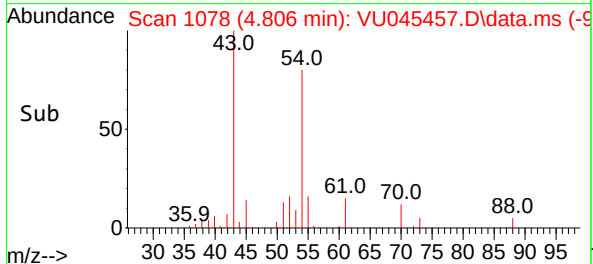
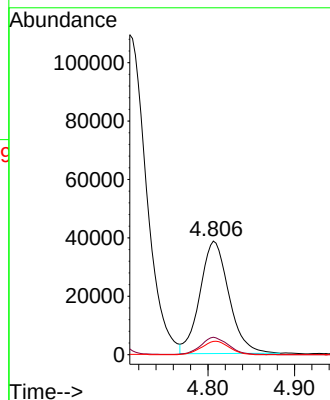
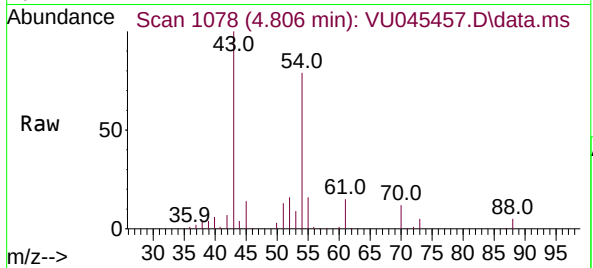




#37  
Ethyl Acetate  
Concen: 20.756 ug/l  
RT: 4.806 min Scan# 1078  
Delta R.T. 0.000 min  
Lab File: VU045457.D  
Acq: 29 Oct 2021 12:27

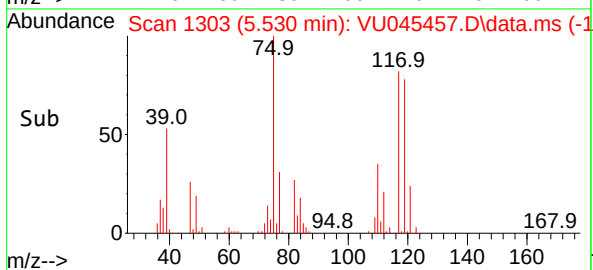
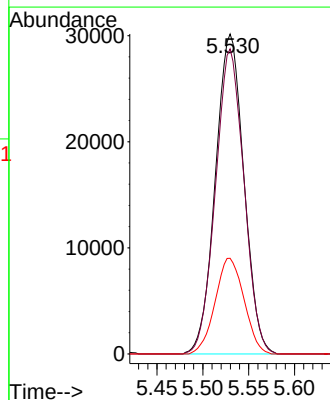
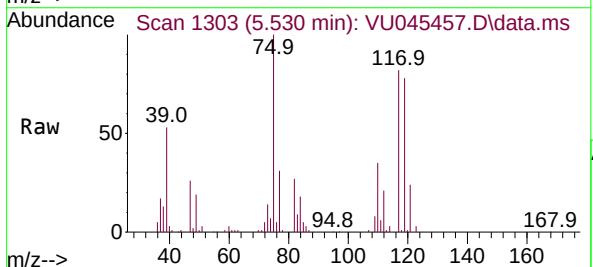
Instrument :  
MSVOA\_U  
ClientSampleId :

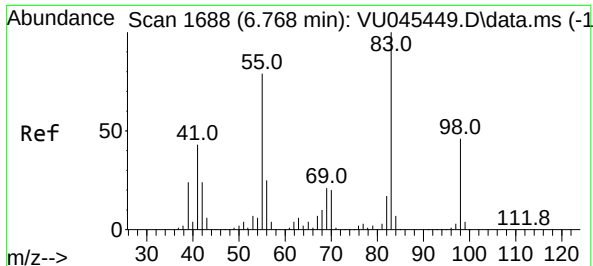
Tgt Ion: 43 Resp: 89329  
Ion Ratio Lower Upper  
43 100  
61 15.0 11.6 17.4  
70 11.4 9.1 13.7



#38  
Carbon Tetrachloride  
Concen: 20.992 ug/l  
RT: 5.530 min Scan# 1303  
Delta R.T. 0.000 min  
Lab File: VU045457.D  
Acq: 29 Oct 2021 12:27

Tgt Ion: 117 Resp: 65059  
Ion Ratio Lower Upper  
117 100  
119 95.3 77.4 116.0  
121 29.9 24.8 37.2





#39

Methylcyclohexane

Concen: 21.245 ug/l

RT: 6.768 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU045457.D

Acq: 29 Oct 2021 12:27

Instrument :

MSVOA\_U

ClientSampleId :

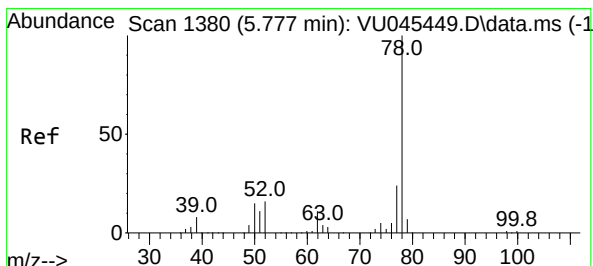
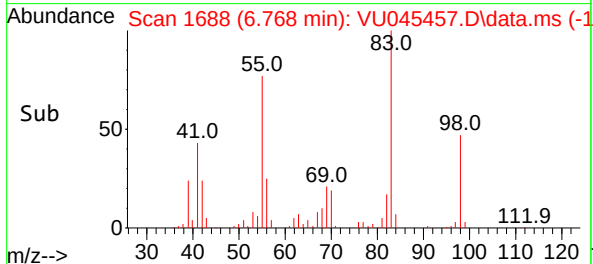
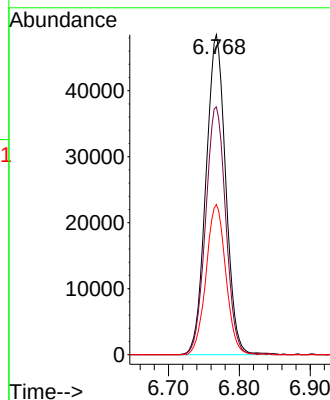
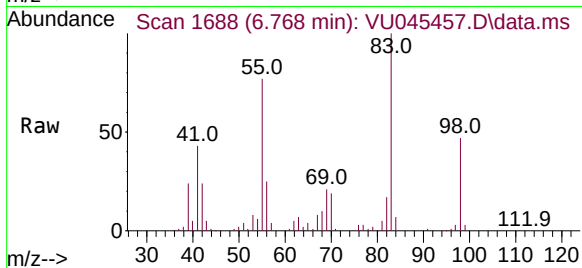
Tgt Ion: 83 Resp: 93881

Ion Ratio Lower Upper

83 100

55 77.4 63.6 95.4

98 46.9 37.1 55.7



#40

Benzene

Concen: 21.299 ug/l

RT: 5.777 min Scan# 1380

Delta R.T. 0.000 min

Lab File: VU045457.D

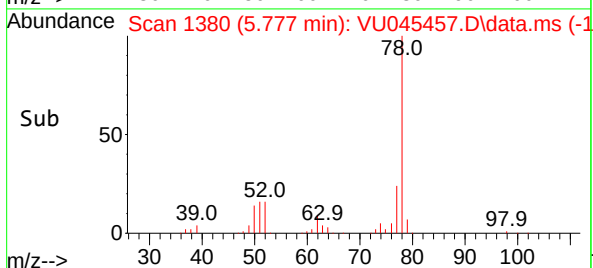
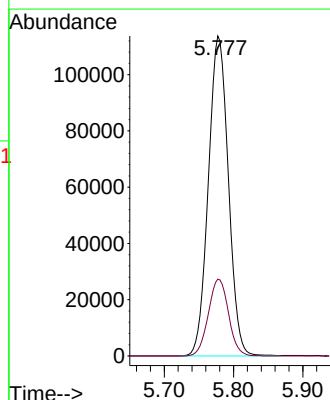
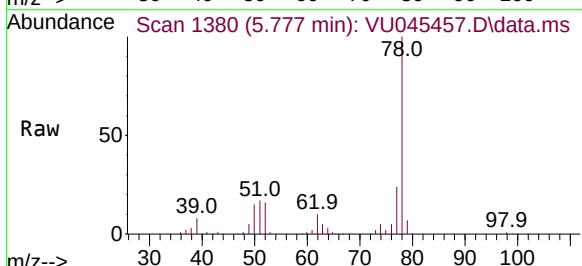
Acq: 29 Oct 2021 12:27

Tgt Ion: 78 Resp: 227835

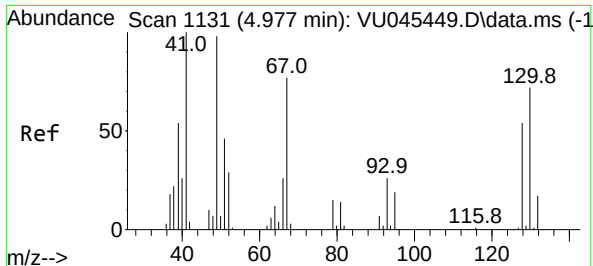
Ion Ratio Lower Upper

78 100

77 24.0 19.0 28.4



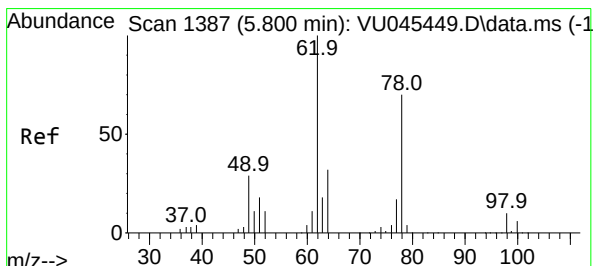
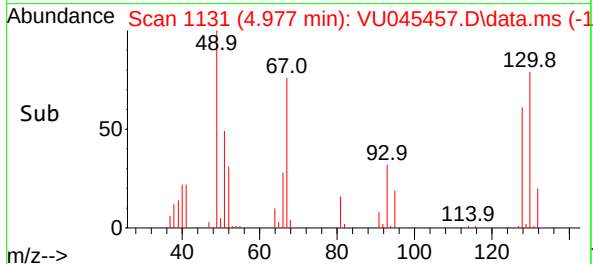
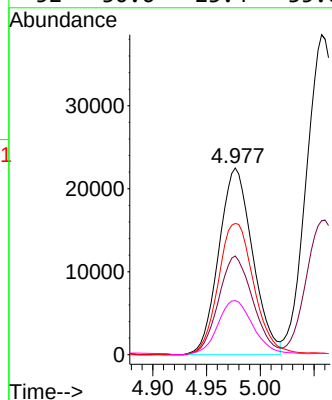
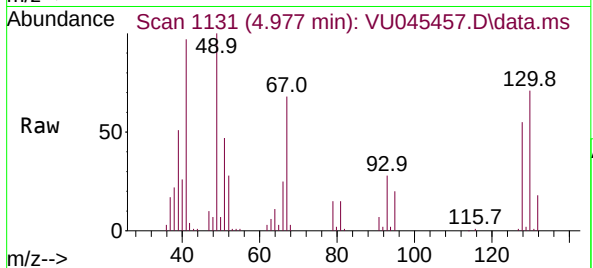




#41  
Methacrylonitrile  
Concen: 21.632 ug/l  
RT: 4.977 min Scan# 1131  
Delta R.T. 0.000 min  
Lab File: VU045457.D  
Acq: 29 Oct 2021 12:27

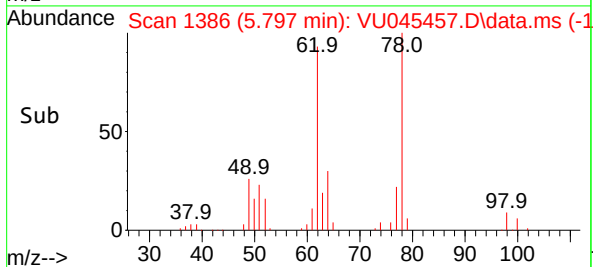
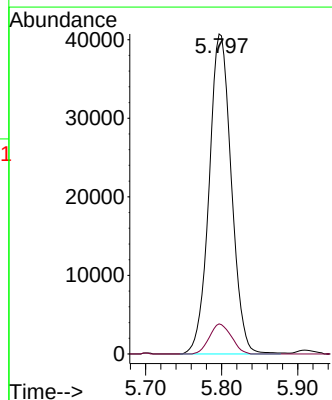
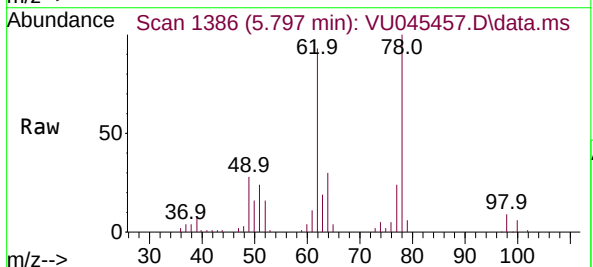
Instrument :  
MSVOA\_U  
ClientSampleId :

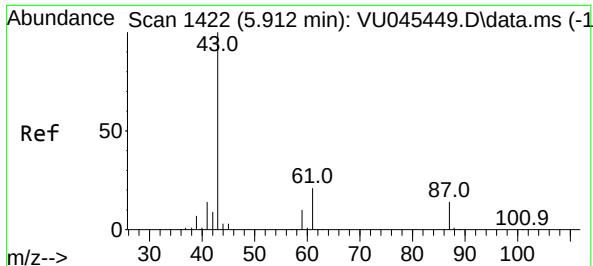
|             |             |
|-------------|-------------|
| Tgt Ion: 41 | Resp: 49269 |
| Ion Ratio   | Lower Upper |
| 41 100      |             |
| 39 53.8     | 43.4 65.0   |
| 67 74.4     | 61.0 91.4   |
| 52 30.6     | 23.4 35.0   |



#42  
1,2-Dichloroethane  
Concen: 21.029 ug/l  
RT: 5.797 min Scan# 1386  
Delta R.T. -0.003 min  
Lab File: VU045457.D  
Acq: 29 Oct 2021 12:27

|             |             |
|-------------|-------------|
| Tgt Ion: 62 | Resp: 82619 |
| Ion Ratio   | Lower Upper |
| 62 100      |             |
| 98 9.3      | 0.0 18.4    |

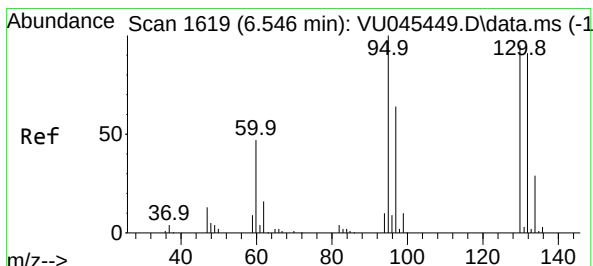
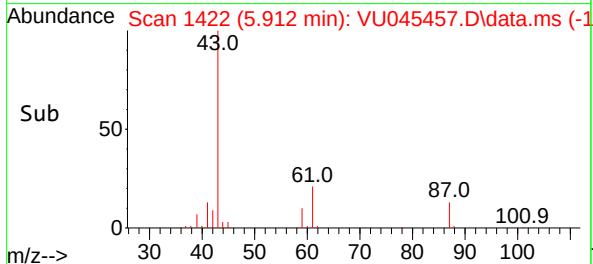
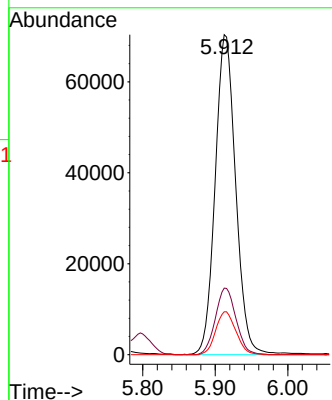
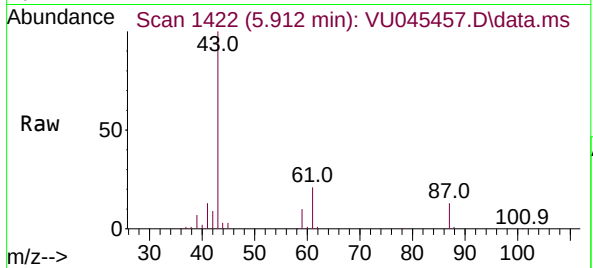




#43  
Isopropyl Acetate  
Concen: 21.279 ug/l  
RT: 5.912 min Scan# 1422  
Delta R.T. 0.000 min  
Lab File: VU045457.D  
Acq: 29 Oct 2021 12:27

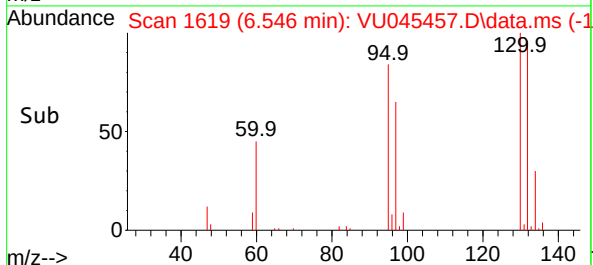
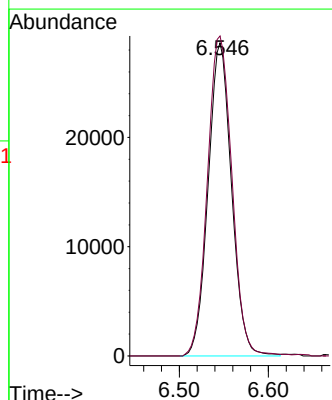
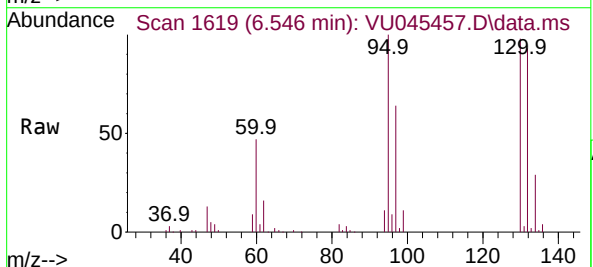
Instrument :  
MSVOA\_U  
ClientSampleId :

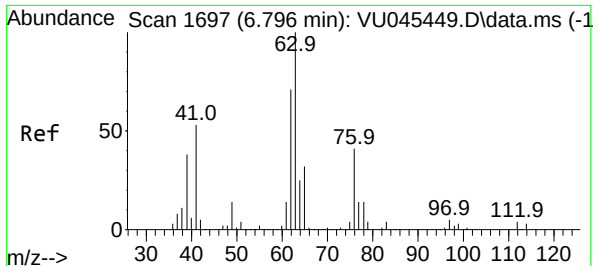
Tgt Ion: 43 Resp: 138011  
Ion Ratio Lower Upper  
43 100  
61 21.0 16.9 25.3  
87 13.3 11.0 16.4



#44  
Trichloroethene  
Concen: 21.077 ug/l  
RT: 6.546 min Scan# 1619  
Delta R.T. 0.000 min  
Lab File: VU045457.D  
Acq: 29 Oct 2021 12:27

Tgt Ion:130 Resp: 52257  
Ion Ratio Lower Upper  
130 100  
95 102.2 0.0 211.4





#45

1,2-Dichloropropane

Concen: 21.264 ug/l

RT: 6.793 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU045457.D

Acq: 29 Oct 2021 12:27

Instrument :

MSVOA\_U

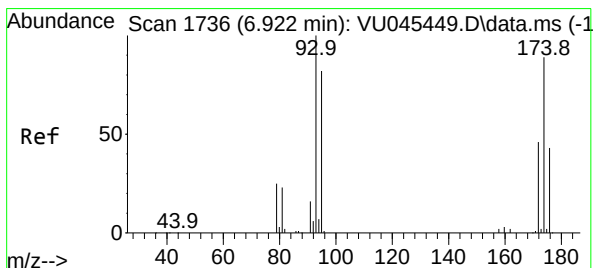
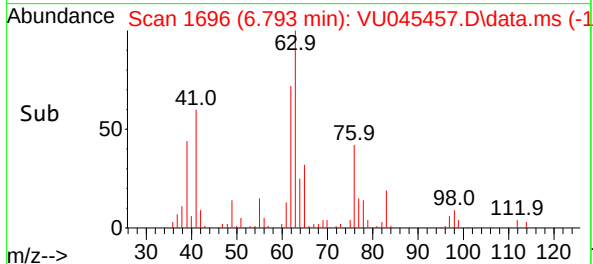
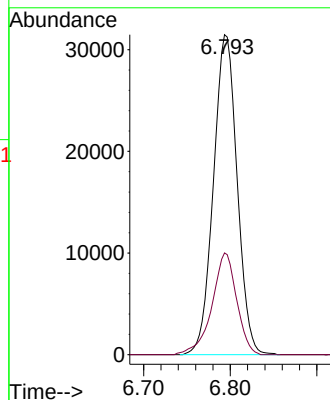
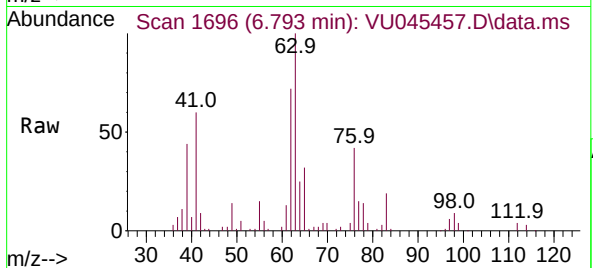
ClientSampleId :

Tgt Ion: 63 Resp: 59863

Ion Ratio Lower Upper

63 100

65 31.8 25.7 38.5



#46

Dibromomethane

Concen: 21.379 ug/l

RT: 6.922 min Scan# 1736

Delta R.T. 0.000 min

Lab File: VU045457.D

Acq: 29 Oct 2021 12:27

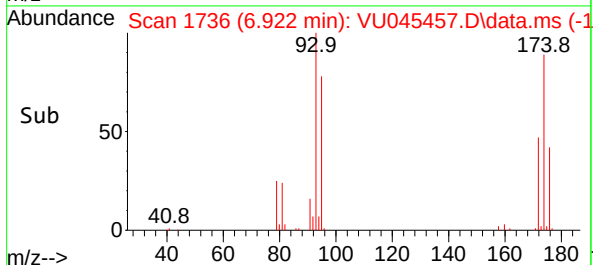
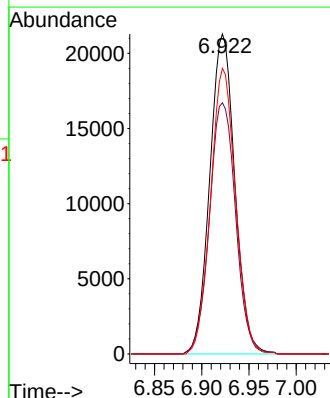
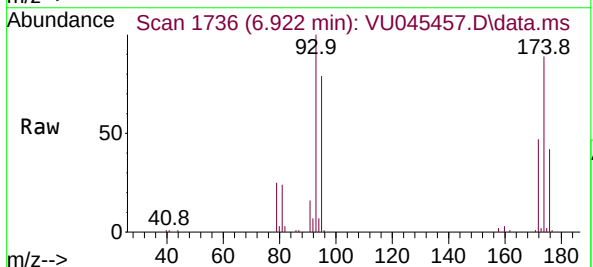
Tgt Ion: 93 Resp: 39189

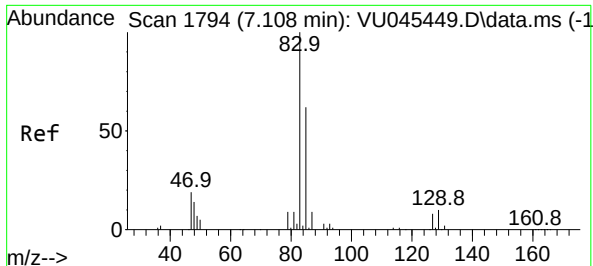
Ion Ratio Lower Upper

93 100

95 81.8 66.2 99.2

174 89.2 71.0 106.6





#47

Bromodichloromethane

Concen: 21.232 ug/l

RT: 7.108 min Scan# 1

Delta R.T. 0.000 min

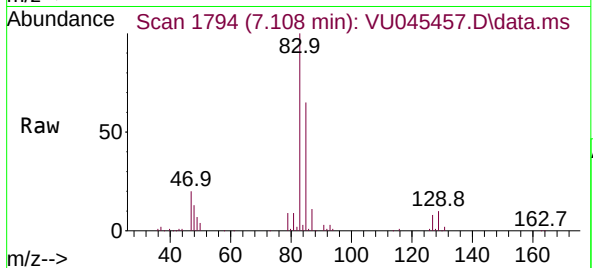
Lab File: VU045457.D

Acq: 29 Oct 2021 12:27

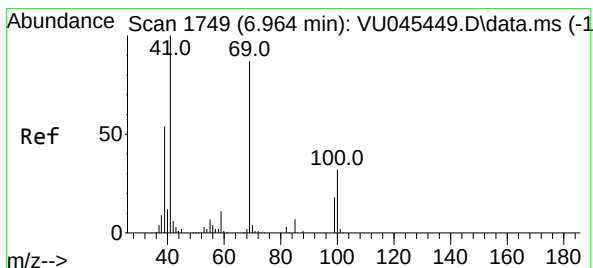
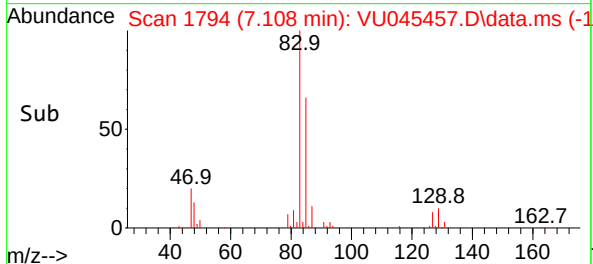
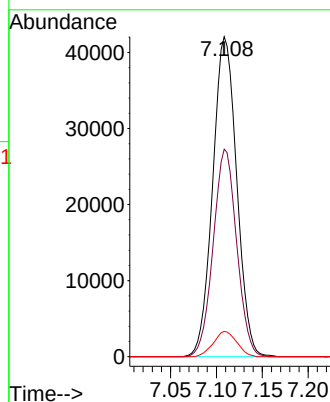
Instrument :

MSVOA\_U

ClientSampleId :



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 83    | Resp: | 76595 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 85        | 64.9  | 49.8  | 74.6  |
| 127       | 7.9   | 6.2   | 9.2   |



#48

Methyl methacrylate

Concen: 20.849 ug/l

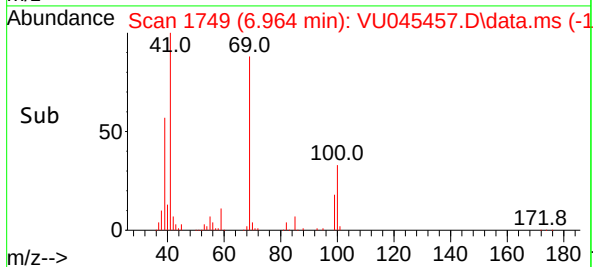
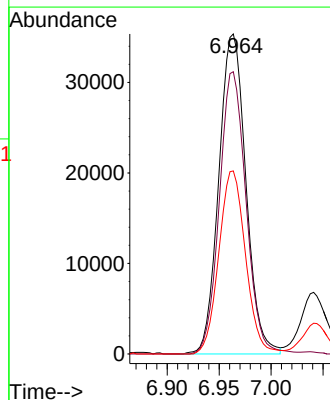
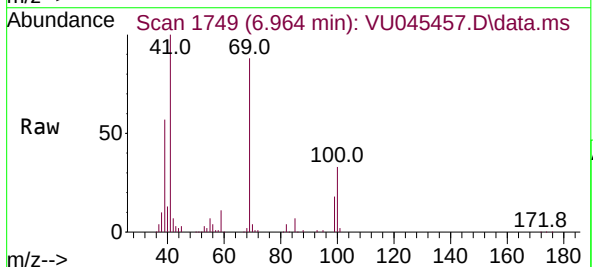
RT: 6.964 min Scan# 1749

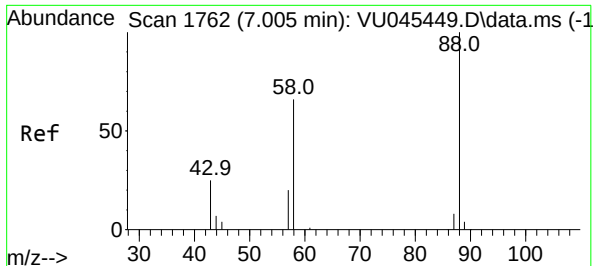
Delta R.T. 0.000 min

Lab File: VU045457.D

Acq: 29 Oct 2021 12:27

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 41    | Resp: | 64092 |
| Ion Ratio | Lower | Upper |       |
| 41        | 100   |       |       |
| 69        | 86.7  | 70.2  | 105.2 |
| 39        | 56.5  | 43.9  | 65.9  |





#49

1,4-Dioxane

Concen: 413.745 ug/l

RT: 7.015 min Scan# 1

Delta R.T. 0.010 min

Lab File: VU045457.D

Acq: 29 Oct 2021 12:27

Instrument :

MSVOA\_U

ClientSampleId :

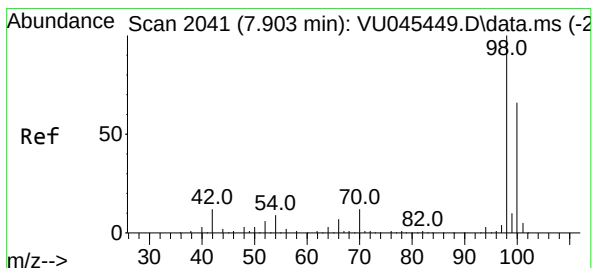
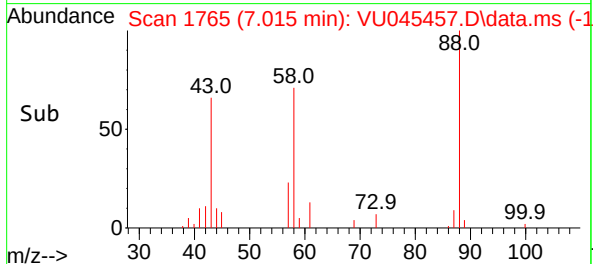
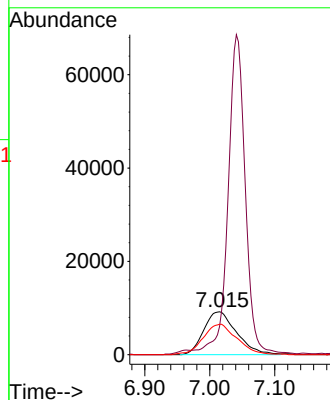
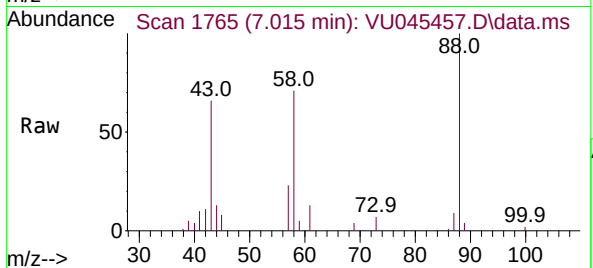
Tgt Ion: 88 Resp: 32325

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 73.0 58.7 88.1



#50

Toluene-d8

Concen: 51.669 ug/l

RT: 7.899 min Scan# 2040

Delta R.T. -0.003 min

Lab File: VU045457.D

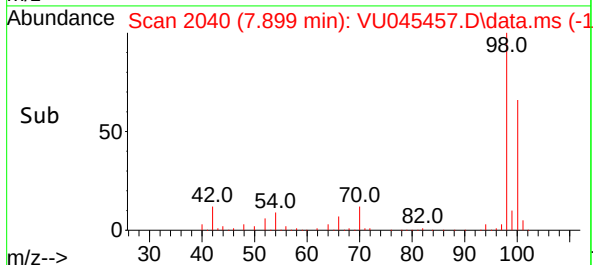
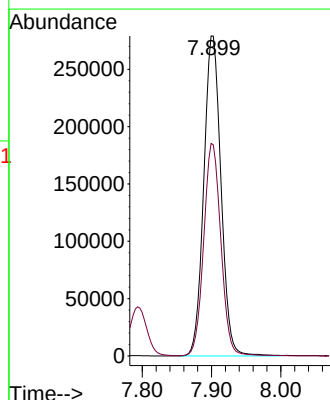
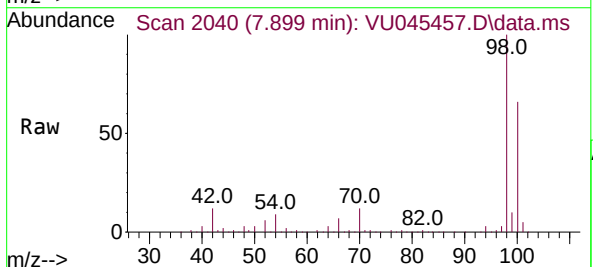
Acq: 29 Oct 2021 12:27

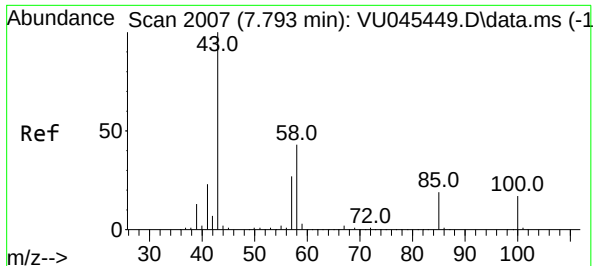
Tgt Ion: 98 Resp: 480941

Ion Ratio Lower Upper

98 100

100 66.1 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 106.796 ug/l

RT: 7.793 min Scan# 2007

Delta R.T. 0.000 min

Lab File: VU045457.D

Acq: 29 Oct 2021 12:27

Instrument :

MSVOA\_U

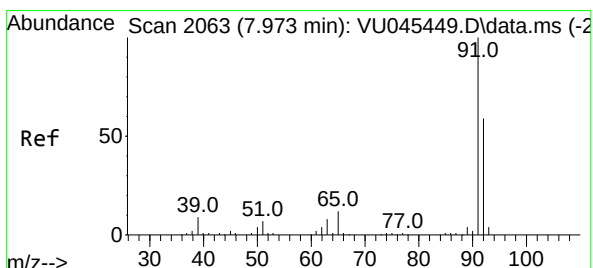
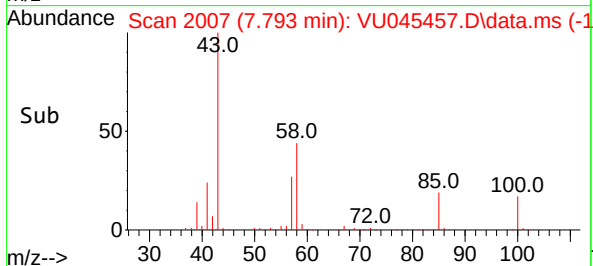
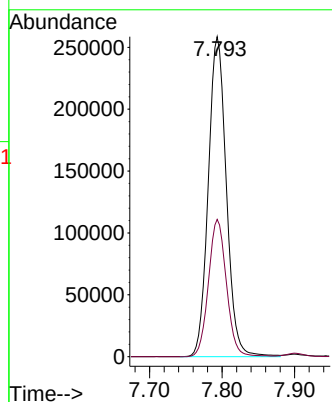
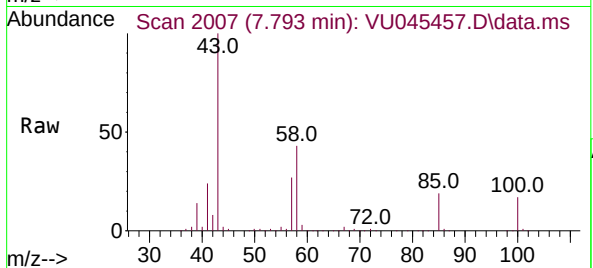
ClientSampleId :

Tgt Ion: 43 Resp: 447689

Ion Ratio Lower Upper

43 100

58 42.7 33.8 50.8



#52

Toluene

Concen: 21.425 ug/l

RT: 7.973 min Scan# 2063

Delta R.T. 0.000 min

Lab File: VU045457.D

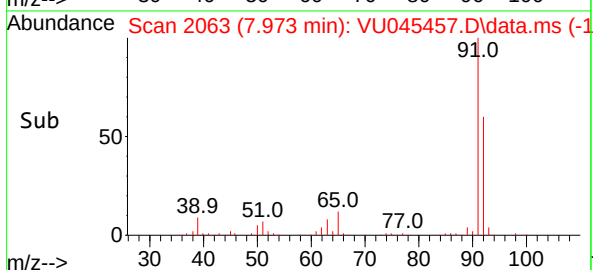
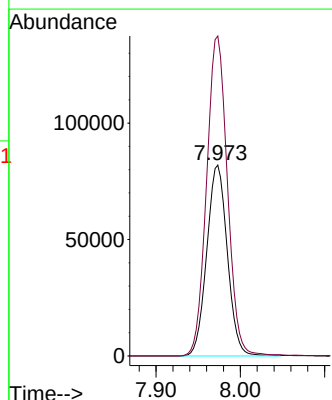
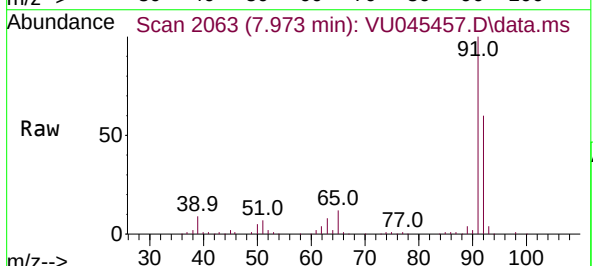
Acq: 29 Oct 2021 12:27

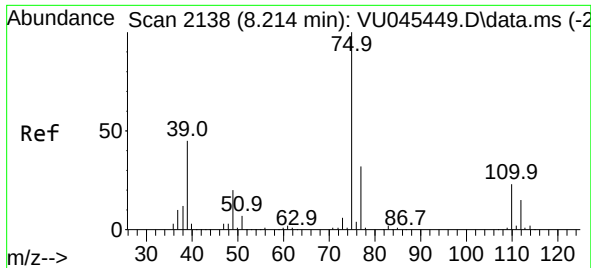
Tgt Ion: 92 Resp: 139316

Ion Ratio Lower Upper

92 100

91 169.8 135.6 203.4





#53

t-1,3-Dichloropropene

Concen: 20.973 ug/l

RT: 8.214 min Scan# 2138

Delta R.T. 0.000 min

Lab File: VU045457.D

Acq: 29 Oct 2021 12:27

Instrument :

MSVOA\_U

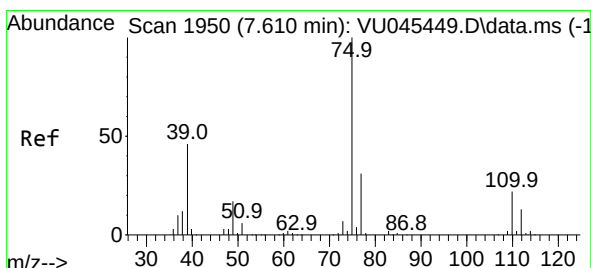
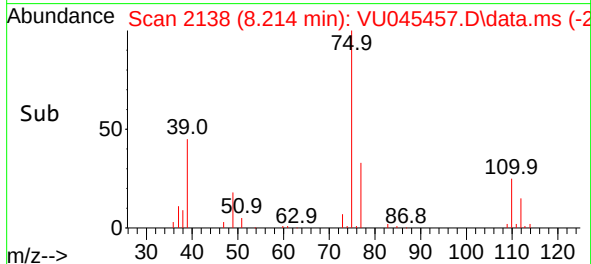
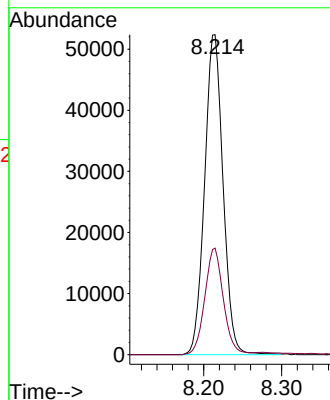
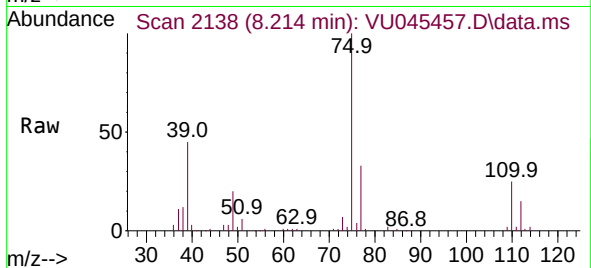
ClientSampleId :

Tgt Ion: 75 Resp: 86235

Ion Ratio Lower Upper

75 100

77 33.3 25.8 38.8



#54

cis-1,3-Dichloropropene

Concen: 21.498 ug/l

RT: 7.610 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VU045457.D

Acq: 29 Oct 2021 12:27

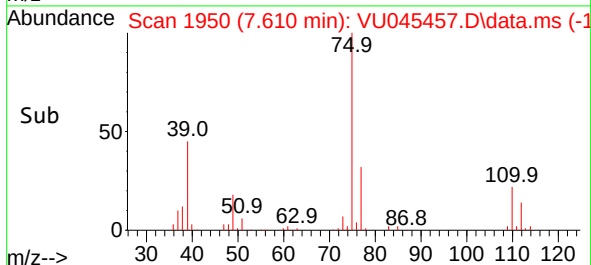
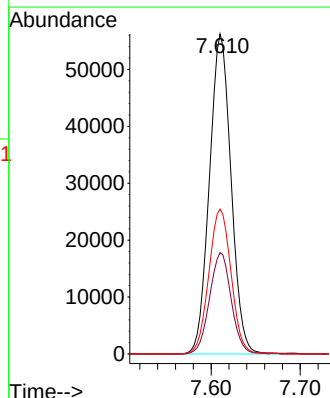
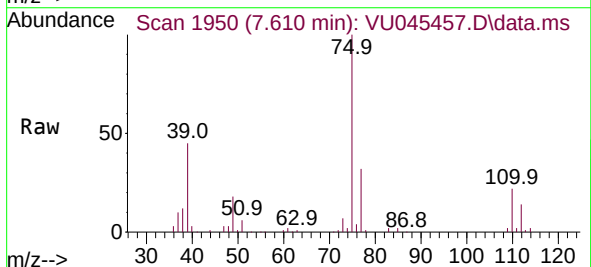
Tgt Ion: 75 Resp: 94665

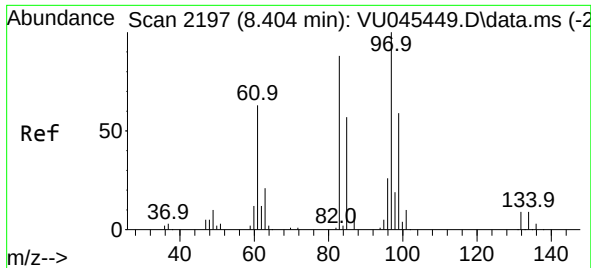
Ion Ratio Lower Upper

75 100

77 31.7 24.6 37.0

39 45.3 37.1 55.7

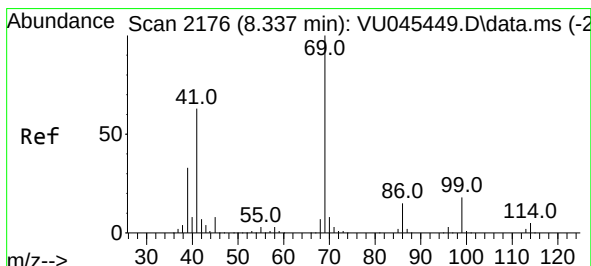
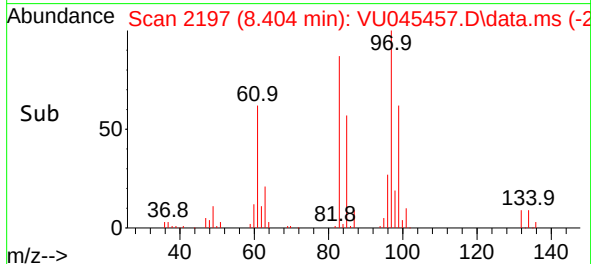
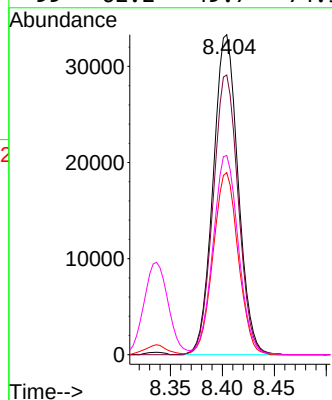
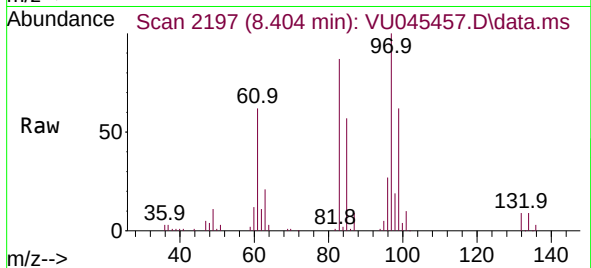




#55  
1,1,2-Trichloroethane  
Concen: 20.970 ug/l  
RT: 8.404 min Scan# 2197  
Delta R.T. 0.000 min  
Lab File: VU045457.D  
Acq: 29 Oct 2021 12:27

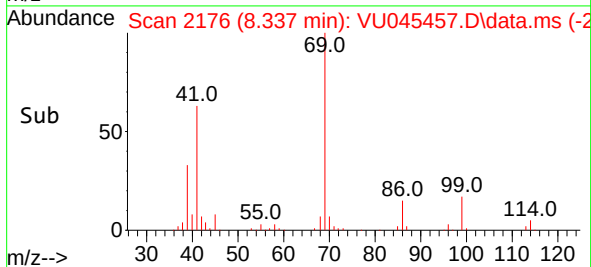
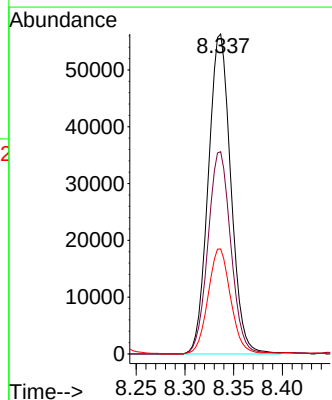
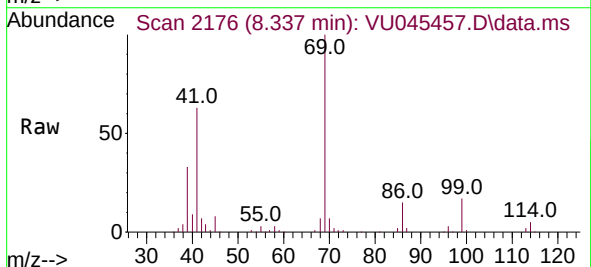
Instrument :  
MSVOA\_U  
ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 55700 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 87.4  | 70.3  | 105.5 |
| 85       | 56.9  | 45.5  | 68.3  |
| 99       | 62.2  | 49.7  | 74.5  |

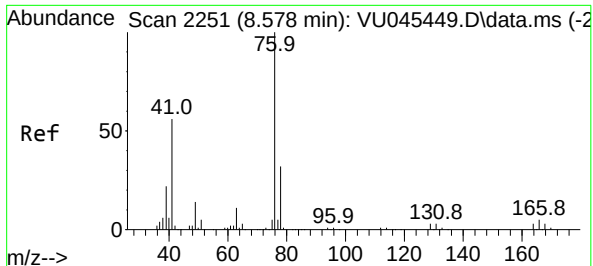


#56  
Ethyl methacrylate  
Concen: 19.695 ug/l  
RT: 8.337 min Scan# 2176  
Delta R.T. -0.000 min  
Lab File: VU045457.D  
Acq: 29 Oct 2021 12:27

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 90726 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 64.5  | 51.0  | 76.4  |
| 39       | 32.9  | 26.6  | 39.8  |







#57

1,3-Dichloropropane

Concen: 21.181 ug/l

RT: 8.578 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU045457.D

Acq: 29 Oct 2021 12:27

Instrument :

MSVOA\_U

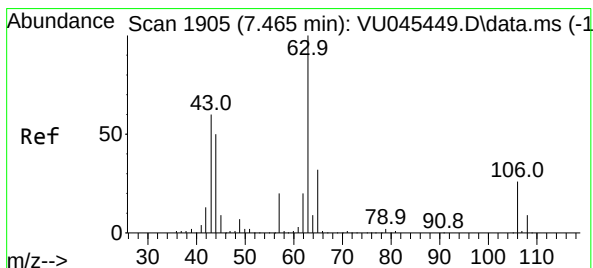
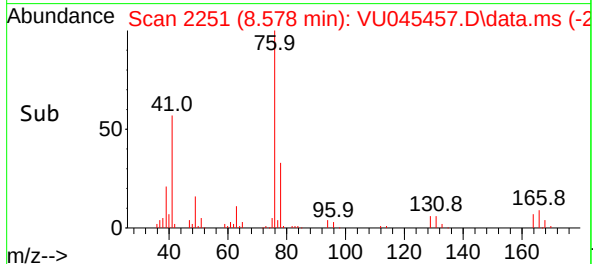
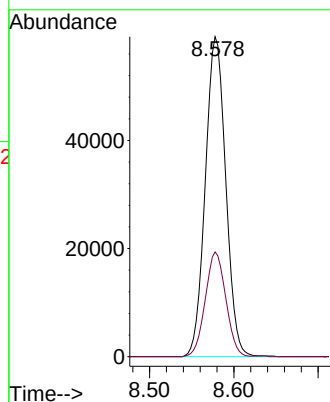
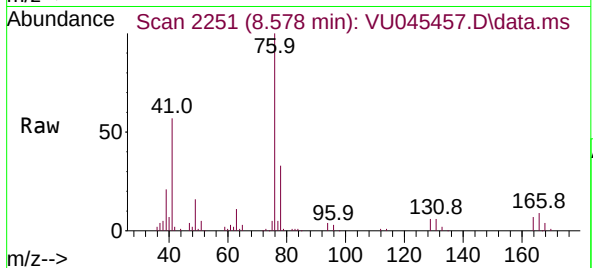
ClientSampleId :

Tgt Ion: 76 Resp: 99865

Ion Ratio Lower Upper

76 100

78 32.9 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 99.896 ug/l

RT: 7.465 min Scan# 1905

Delta R.T. 0.000 min

Lab File: VU045457.D

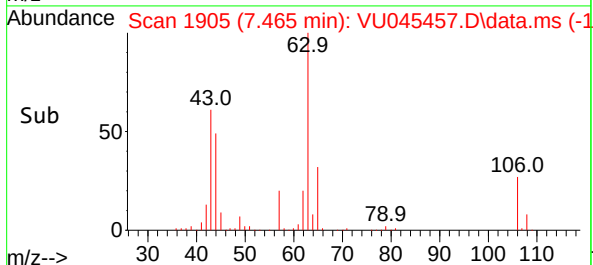
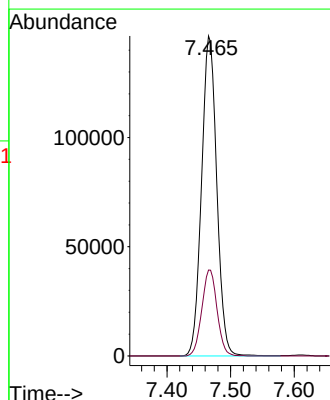
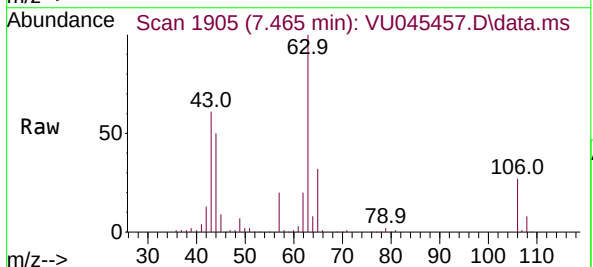
Acq: 29 Oct 2021 12:27

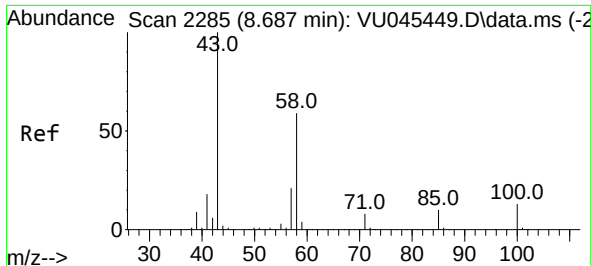
Tgt Ion: 63 Resp: 243212

Ion Ratio Lower Upper

63 100

106 26.8 21.0 31.4

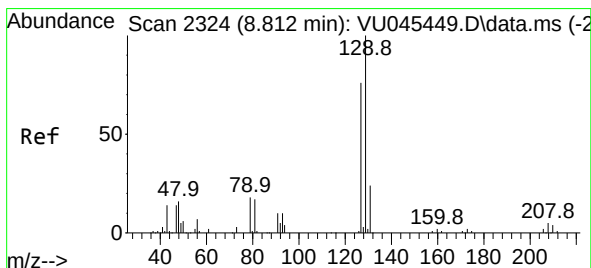
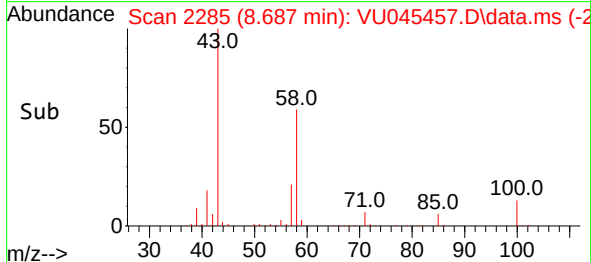
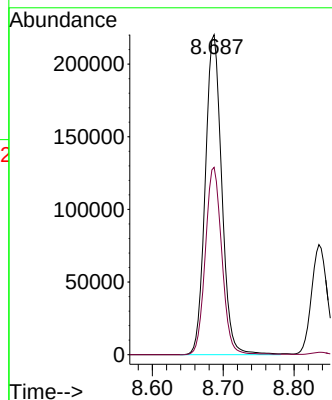
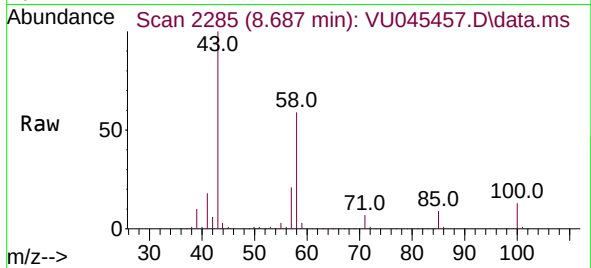




#59  
2-Hexanone  
Concen: 109.578 ug/l  
RT: 8.687 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VU045457.D  
Acq: 29 Oct 2021 12:27

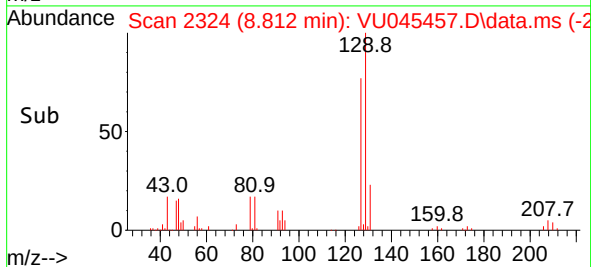
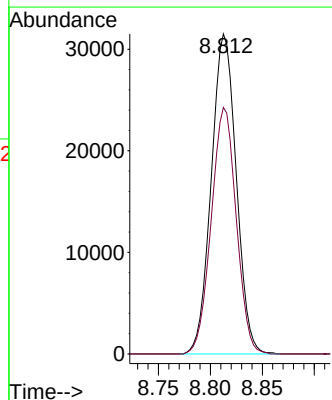
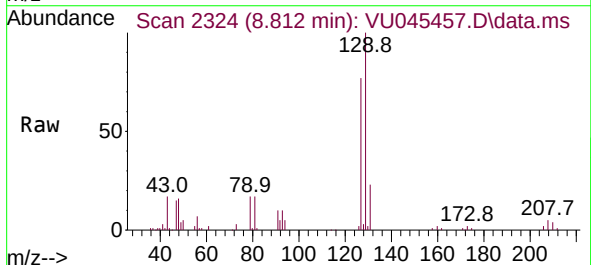
Instrument :  
MSVOA\_U  
ClientSampleId :

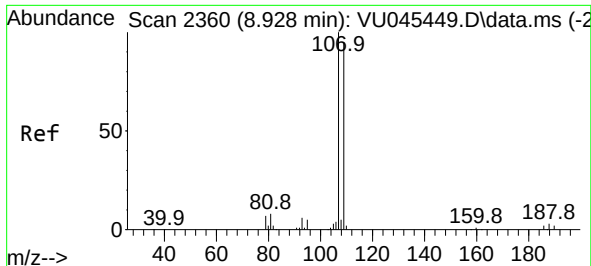
Tgt Ion: 43 Resp: 355901  
Ion Ratio Lower Upper  
43 100  
58 58.6 29.5 88.6



#60  
Dibromochloromethane  
Concen: 20.676 ug/l  
RT: 8.812 min Scan# 2324  
Delta R.T. 0.000 min  
Lab File: VU045457.D  
Acq: 29 Oct 2021 12:27

Tgt Ion: 129 Resp: 52706  
Ion Ratio Lower Upper  
129 100  
127 76.9 38.5 115.3

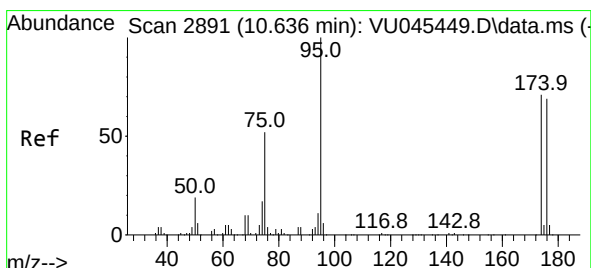
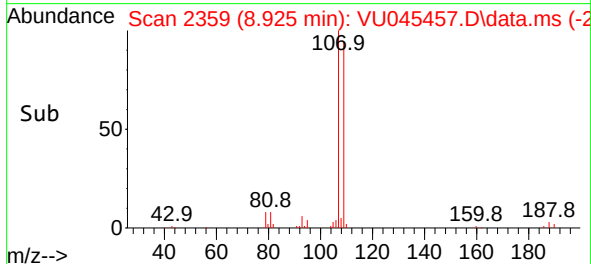
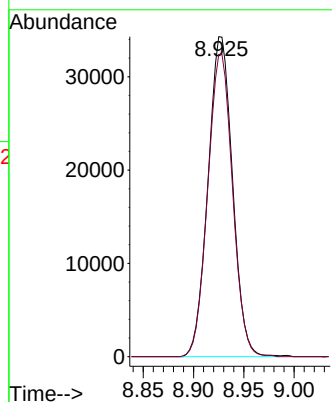
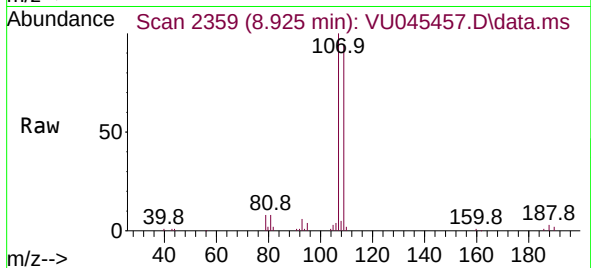




#61  
1,2-Dibromoethane  
Concen: 20.913 ug/l  
RT: 8.925 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VU045457.D  
Acq: 29 Oct 2021 12:27

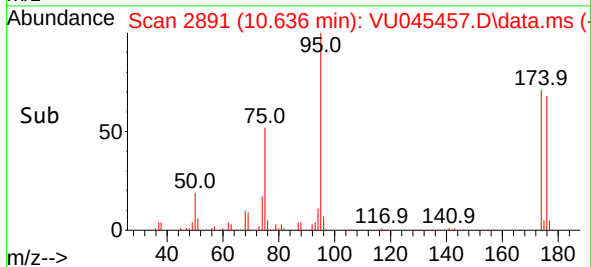
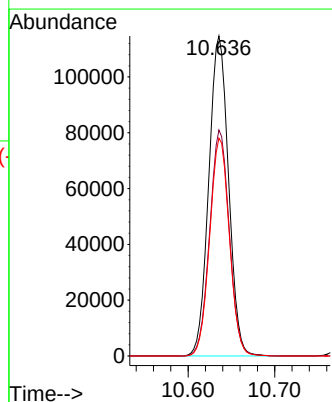
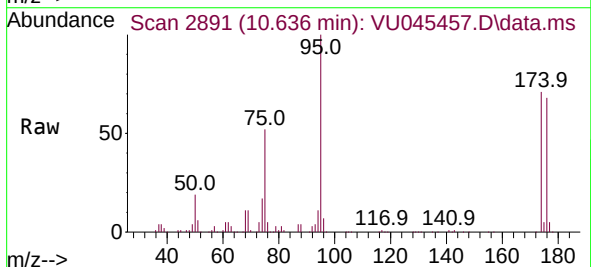
Instrument :  
MSVOA\_U  
ClientSampleId :

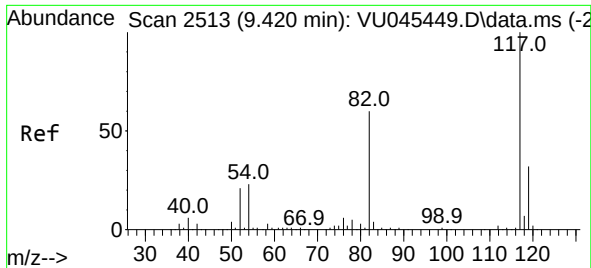
Tgt Ion:107 Resp: 58182  
Ion Ratio Lower Upper  
107 100  
109 95.5 75.8 113.8



#62  
4-Bromofluorobenzene  
Concen: 51.235 ug/l  
RT: 10.636 min Scan# 2891  
Delta R.T. 0.000 min  
Lab File: VU045457.D  
Acq: 29 Oct 2021 12:27

Tgt Ion: 95 Resp: 181726  
Ion Ratio Lower Upper  
95 100  
174 70.3 0.0 141.8  
176 67.6 0.0 138.2

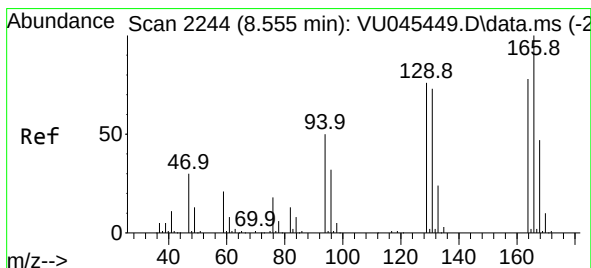
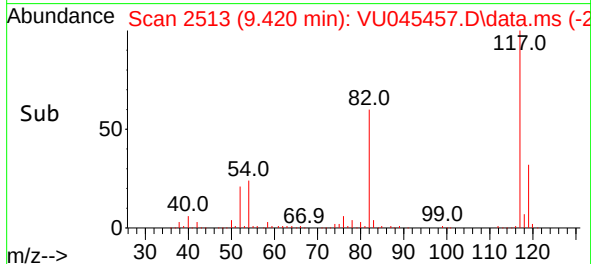
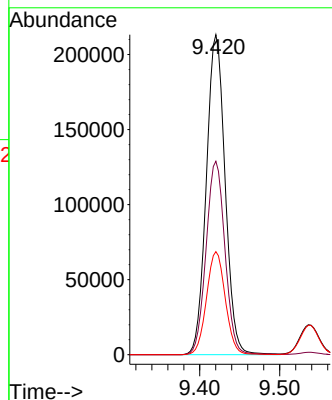
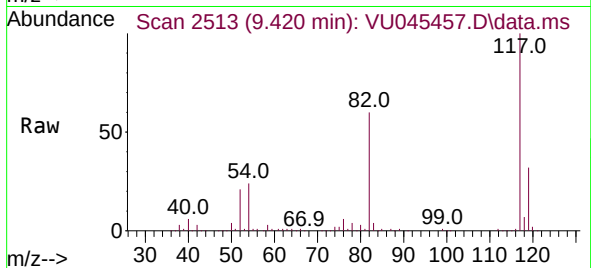




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.420 min Scan# 2513  
Delta R.T. 0.000 min  
Lab File: VU045457.D  
Acq: 29 Oct 2021 12:27

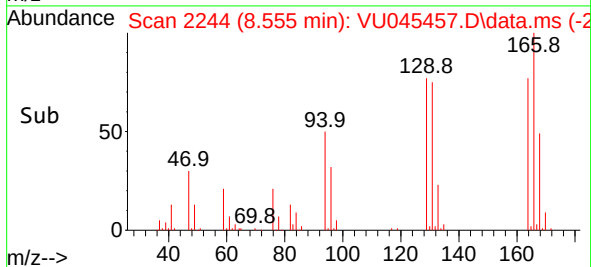
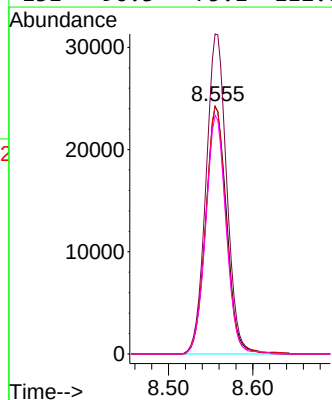
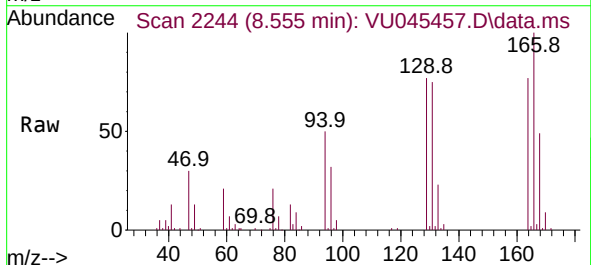
Instrument :  
MSVOA\_U  
ClientSampleId :

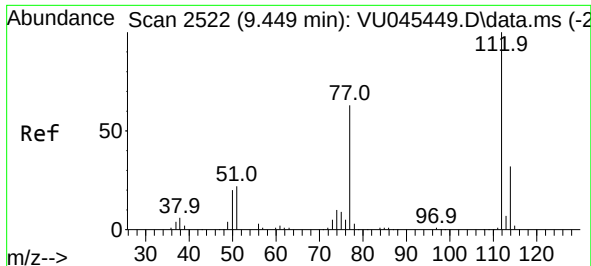
Tgt Ion:117 Resp: 348848  
Ion Ratio Lower Upper  
117 100  
82 60.5 47.8 71.8  
119 32.2 25.8 38.8



#64  
Tetrachloroethene  
Concen: 20.998 ug/l  
RT: 8.555 min Scan# 2244  
Delta R.T. 0.000 min  
Lab File: VU045457.D  
Acq: 29 Oct 2021 12:27

Tgt Ion:164 Resp: 41871  
Ion Ratio Lower Upper  
164 100  
166 129.2 102.2 153.4  
129 99.8 78.2 117.4  
131 96.3 75.1 112.7

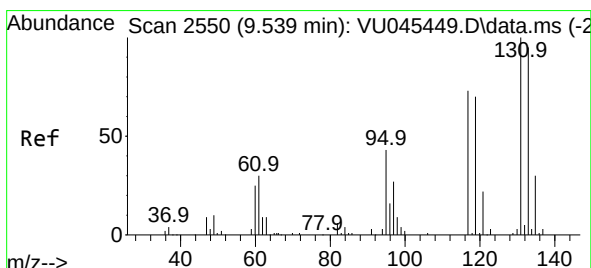
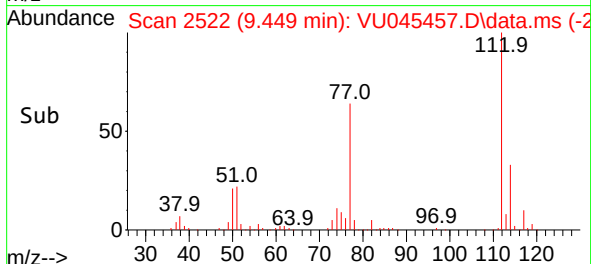
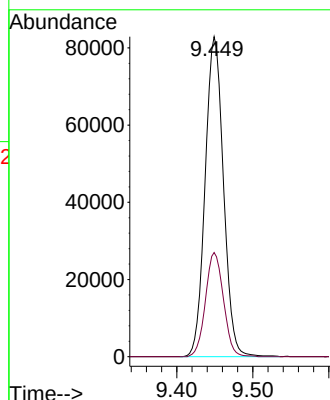
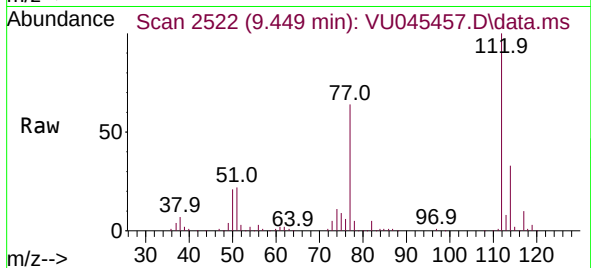




#65  
Chlorobenzene  
Concen: 21.002 ug/l  
RT: 9.449 min Scan# 211  
Delta R.T. 0.000 min  
Lab File: VU045457.D  
Acq: 29 Oct 2021 12:27

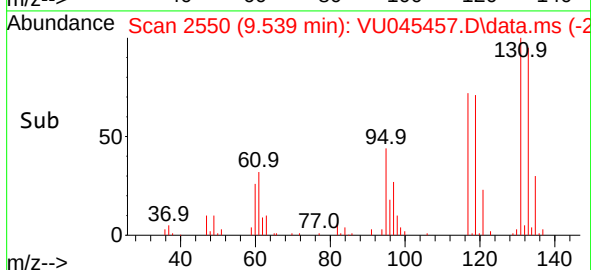
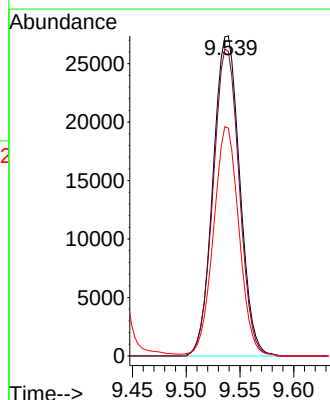
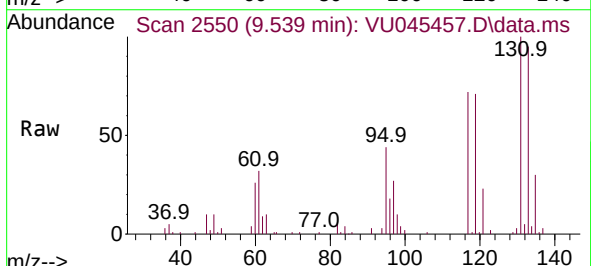
Instrument :  
MSVOA\_U  
ClientSampleId :

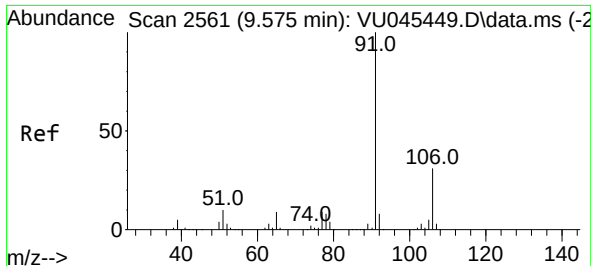
Tgt Ion:112 Resp: 138912  
Ion Ratio Lower Upper  
112 100  
114 32.6 25.7 38.5



#66  
1,1,1,2-Tetrachloroethane  
Concen: 21.122 ug/l  
RT: 9.539 min Scan# 2550  
Delta R.T. 0.000 min  
Lab File: VU045457.D  
Acq: 29 Oct 2021 12:27

Tgt Ion:131 Resp: 47135  
Ion Ratio Lower Upper  
131 100  
133 94.2 47.9 143.6  
119 68.9 34.5 103.6





#67

Ethyl Benzene

Concen: 21.297 ug/l

RT: 9.571 min Scan# 2561

Delta R.T. -0.003 min

Lab File: VU045457.D

Acq: 29 Oct 2021 12:27

Instrument :

MSVOA\_U

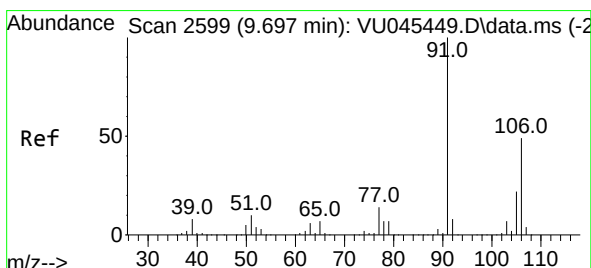
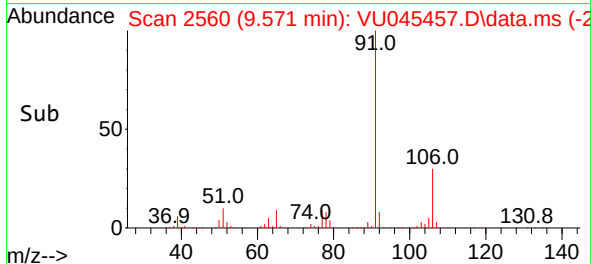
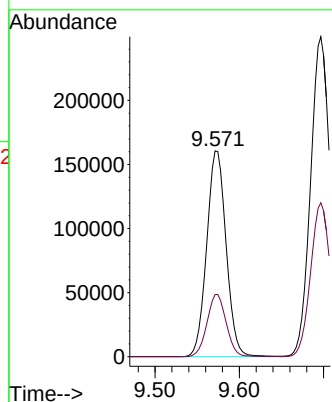
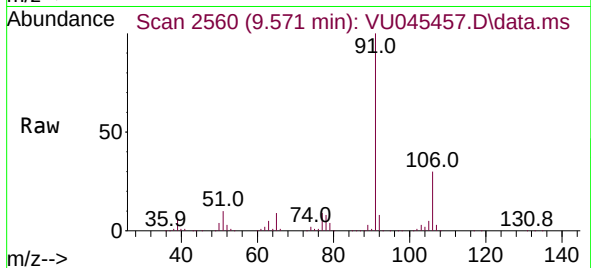
ClientSampleId :

Tgt Ion: 91 Resp: 258036

Ion Ratio Lower Upper

91 100

106 30.2 24.6 36.8



#68

m/p-Xylenes

Concen: 43.131 ug/l

RT: 9.697 min Scan# 2599

Delta R.T. 0.000 min

Lab File: VU045457.D

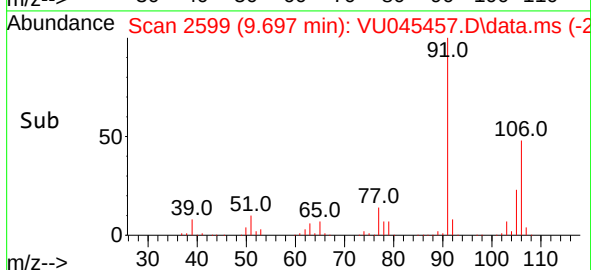
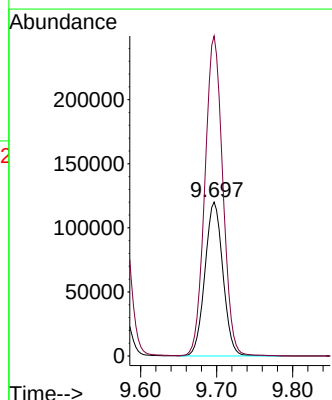
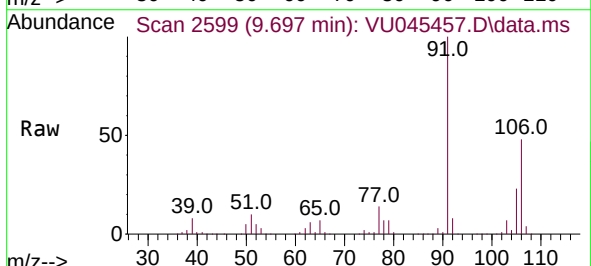
Acq: 29 Oct 2021 12:27

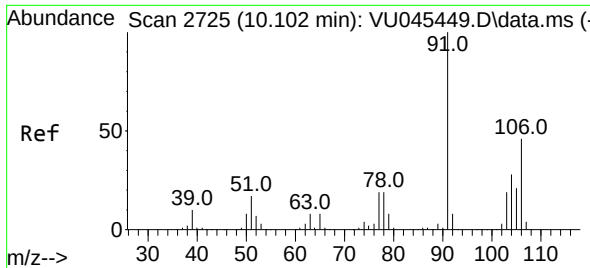
Tgt Ion:106 Resp: 197259

Ion Ratio Lower Upper

106 100

91 207.3 164.7 247.1

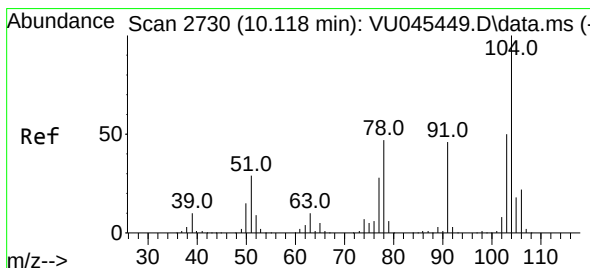
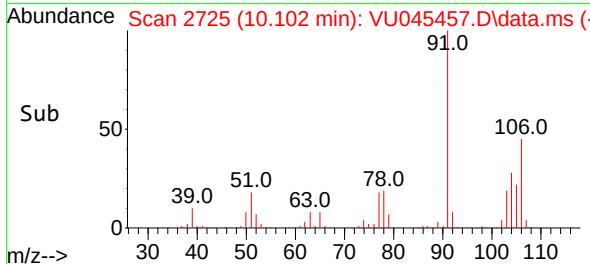
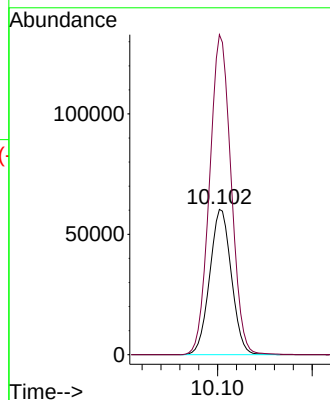
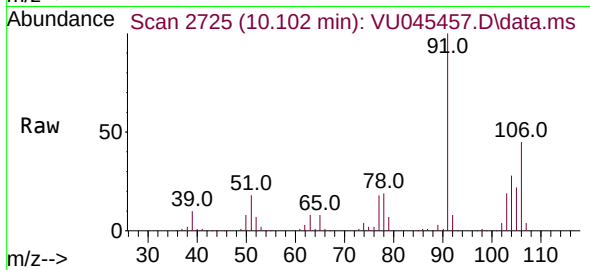




#69  
o-Xylene  
Concen: 21.523 ug/l  
RT: 10.102 min Scan# 2725  
Delta R.T. 0.000 min  
Lab File: VU045457.D  
Acq: 29 Oct 2021 12:27

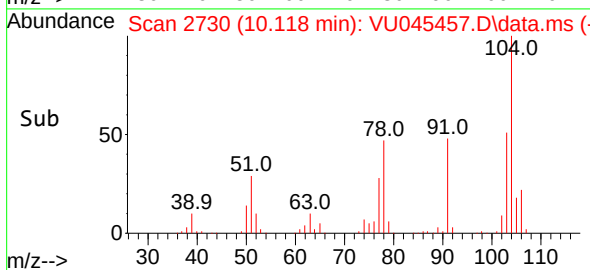
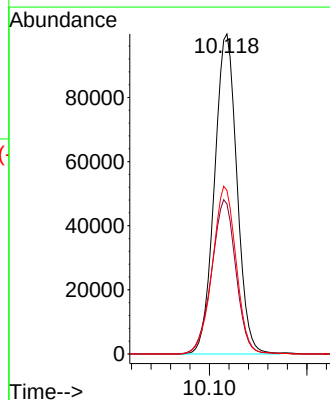
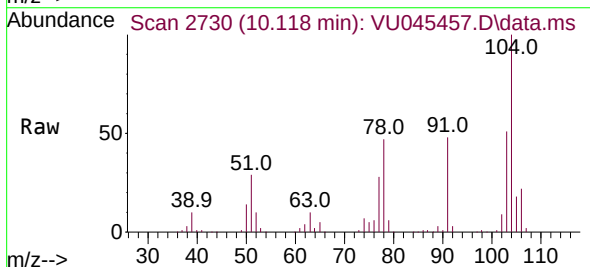
Instrument :  
MSVOA\_U  
ClientSampleId :

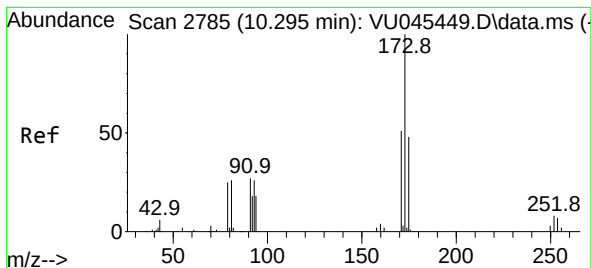
Tgt Ion:106 Resp: 95982  
Ion Ratio Lower Upper  
106 100  
91 219.4 108.7 326.3



#70  
Styrene  
Concen: 20.000 ug/l  
RT: 10.118 min Scan# 2730  
Delta R.T. -0.000 min  
Lab File: VU045457.D  
Acq: 29 Oct 2021 12:27

Tgt Ion:104 Resp: 159991  
Ion Ratio Lower Upper  
104 100  
78 52.1 41.8 62.6  
103 55.3 43.8 65.6





#71

Bromoform

Concen: 19.630 ug/l

RT: 10.295 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU045457.D

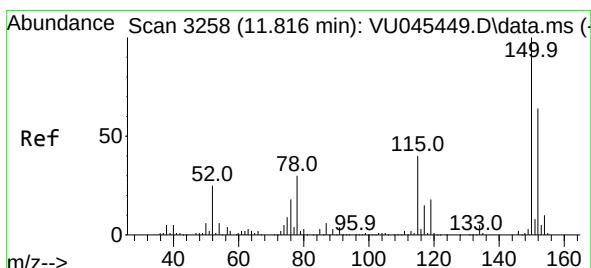
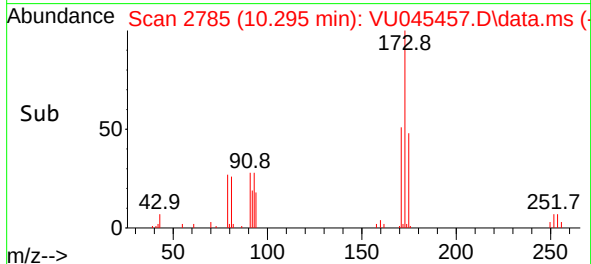
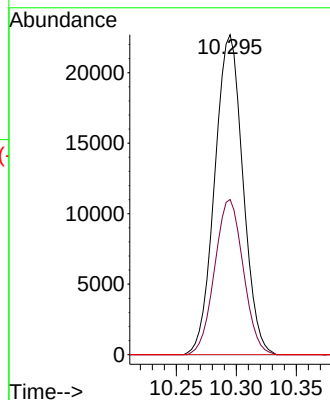
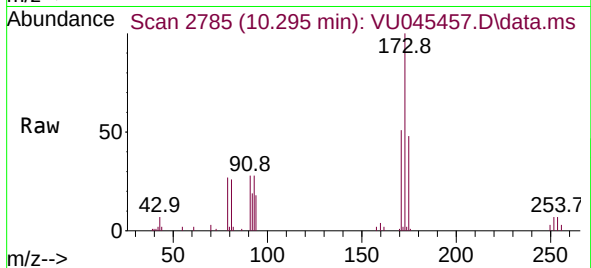
Acq: 29 Oct 2021 12:27

Instrument :

MSVOA\_U

ClientSampleId :

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 173   | Resp: | 37087 |
| Ion Ratio | Lower | Upper |       |
| 173       | 100   |       |       |
| 175       | 49.2  | 24.1  | 72.2  |
| 254       | 0.0   | 0.0   | 0.0   |



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

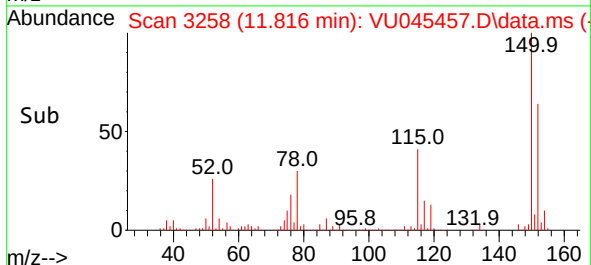
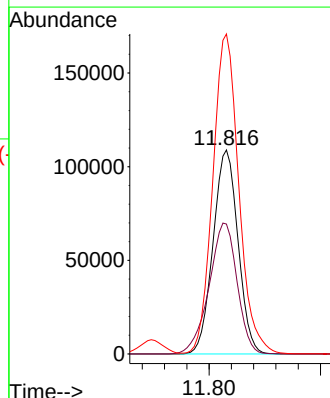
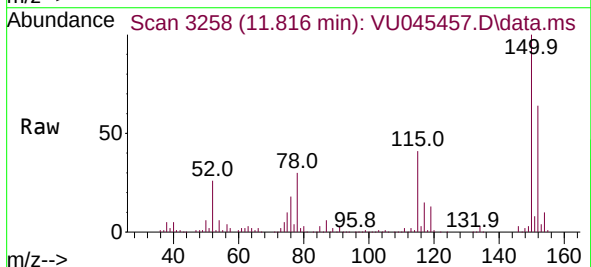
RT: 11.816 min Scan# 3258

Delta R.T. 0.000 min

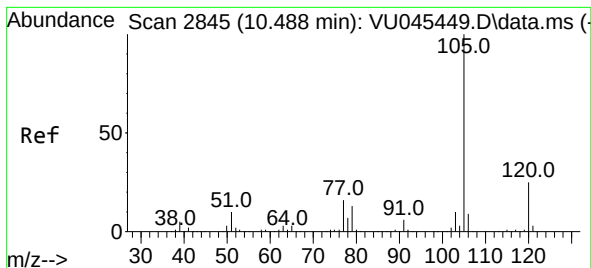
Lab File: VU045457.D

Acq: 29 Oct 2021 12:27

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 169130 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 115       | 72.2  | 42.7  | 128.1  |
| 150       | 163.6 | 0.0   | 346.8  |







#73

Isopropylbenzene

Concen: 21.845 ug/l

RT: 10.488 min Scan# 2845

Delta R.T. 0.000 min

Lab File: VU045457.D

Acq: 29 Oct 2021 12:27

Instrument :

MSVOA\_U

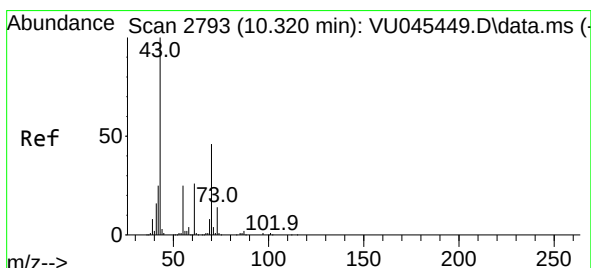
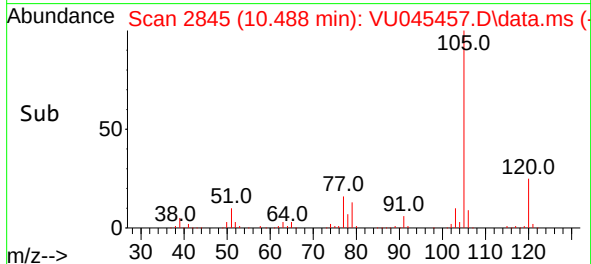
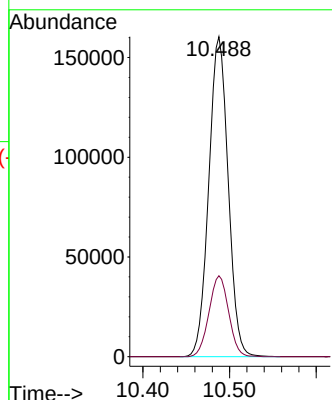
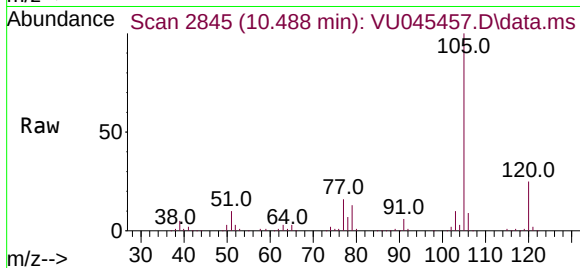
ClientSampleId :

Tgt Ion:105 Resp: 249123

Ion Ratio Lower Upper

105 100

120 25.6 12.9 38.6



#74

N-ethyl acetate

Concen: 19.552 ug/l

RT: 10.320 min Scan# 2793

Delta R.T. 0.000 min

Lab File: VU045457.D

Acq: 29 Oct 2021 12:27

Tgt Ion: 43 Resp: 111397

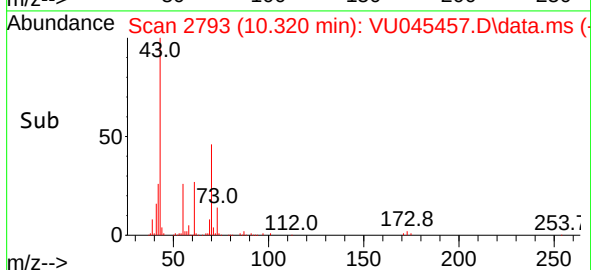
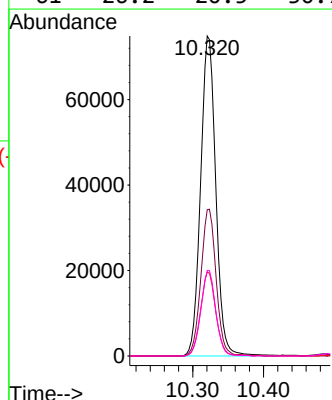
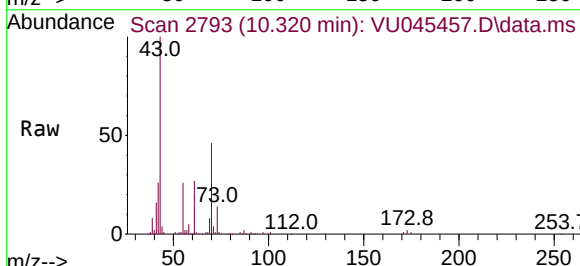
Ion Ratio Lower Upper

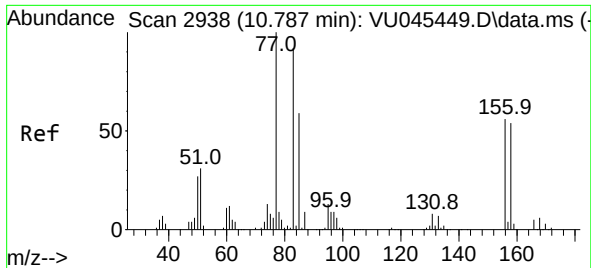
43 100

70 46.1 36.9 55.3

55 26.2 20.6 31.0

61 26.2 20.5 30.7

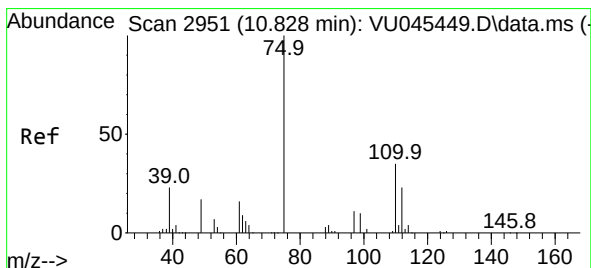
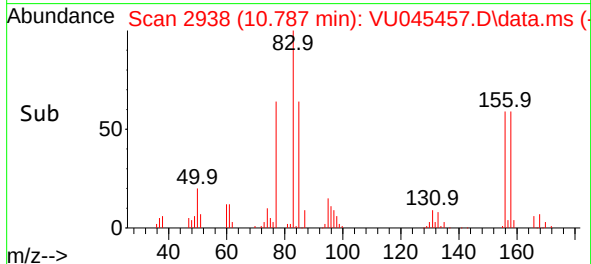
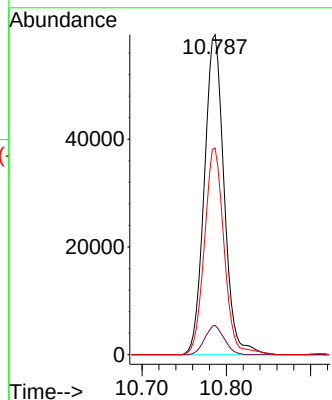
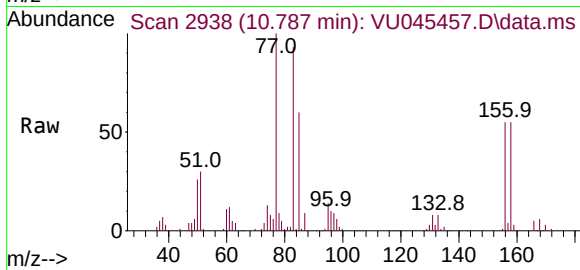




#75  
1,1,2,2-Tetrachloroethane  
Concen: 21.411 ug/l  
RT: 10.787 min Scan# 2938  
Delta R.T. 0.000 min  
Lab File: VU045457.D  
Acq: 29 Oct 2021 12:27

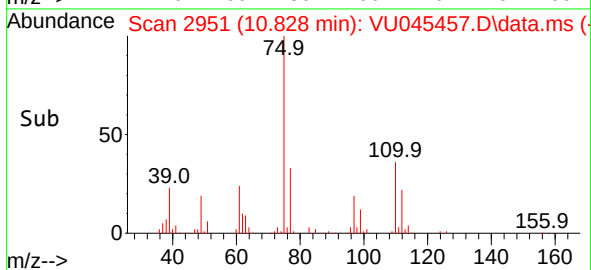
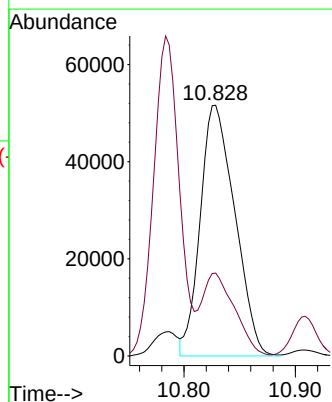
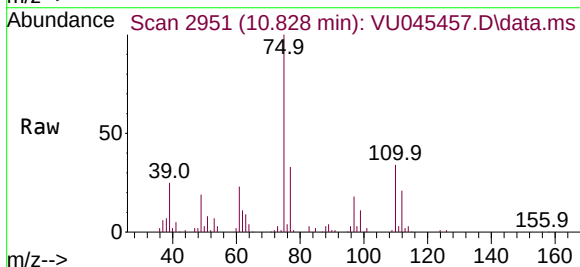
Instrument :  
MSVOA\_U  
ClientSampleId :

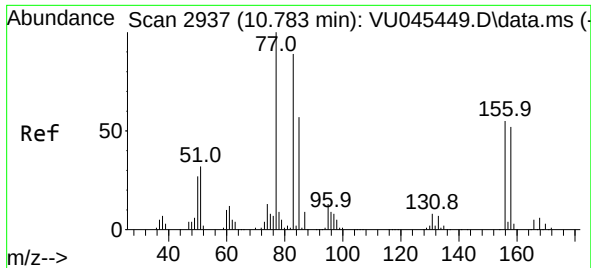
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 83    | Resp: | 96911 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 8.9   | 4.4   | 13.2  |
| 85        | 64.3  | 31.9  | 95.9  |



#76  
1,2,3-Trichloropropane  
Concen: 24.770 ug/l  
RT: 10.828 min Scan# 2951  
Delta R.T. 0.000 min  
Lab File: VU045457.D  
Acq: 29 Oct 2021 12:27

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 111619 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 29.7  | 17.1  | 51.3   |

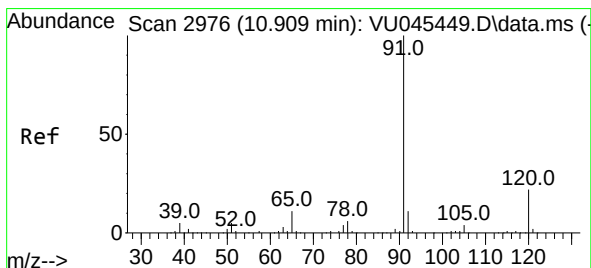
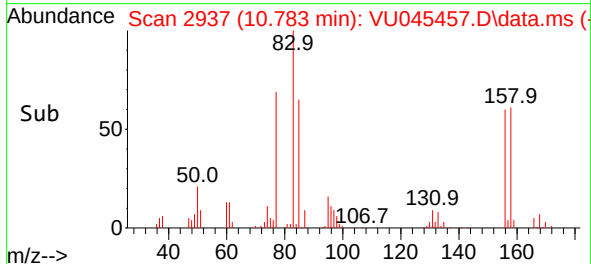
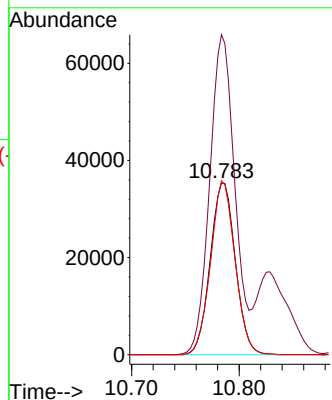
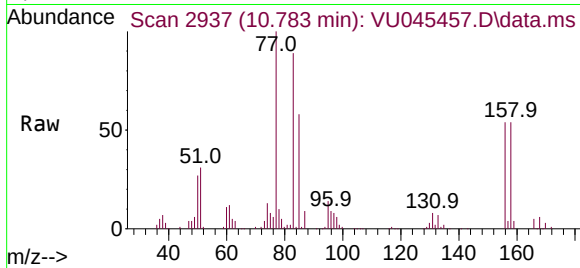




#77  
Bromobenzene  
Concen: 21.554 ug/l  
RT: 10.783 min Scan# 2937  
Delta R.T. 0.000 min  
Lab File: VU045457.D  
Acq: 29 Oct 2021 12:27

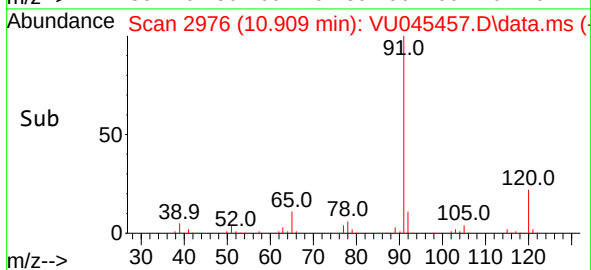
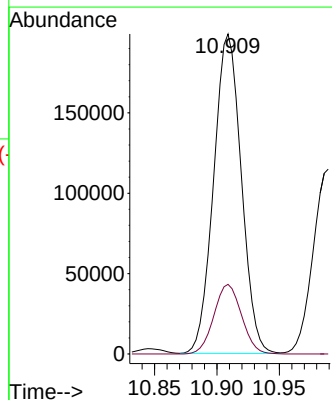
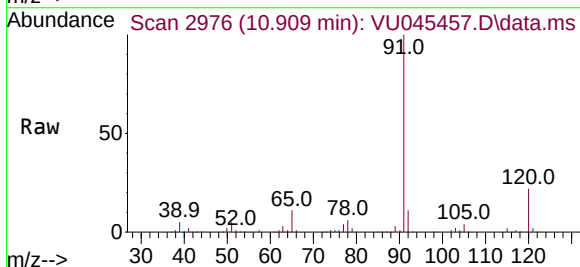
Instrument :  
MSVOA\_U  
ClientSampleId :

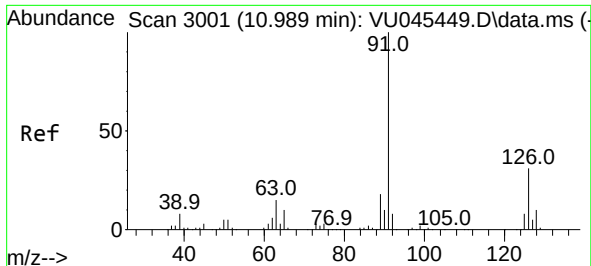
Tgt Ion:156 Resp: 57354  
Ion Ratio Lower Upper  
156 100  
77 184.7 91.1 273.4  
158 98.4 47.9 143.6



#78  
n-propylbenzene  
Concen: 22.179 ug/l  
RT: 10.909 min Scan# 2976  
Delta R.T. 0.000 min  
Lab File: VU045457.D  
Acq: 29 Oct 2021 12:27

Tgt Ion: 91 Resp: 306655  
Ion Ratio Lower Upper  
91 100  
120 21.8 10.9 32.7





#79

2-Chlorotoluene

Concen: 21.858 ug/l

RT: 10.989 min Scan# 3001

Delta R.T. 0.000 min

Lab File: VU045457.D

Acq: 29 Oct 2021 12:27

Instrument :

MSVOA\_U

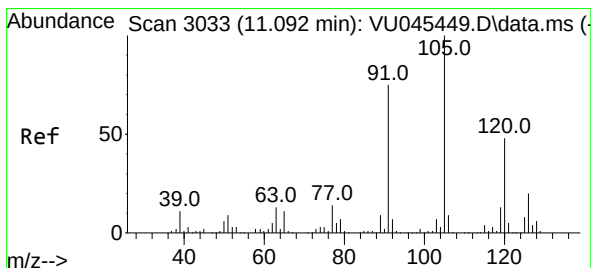
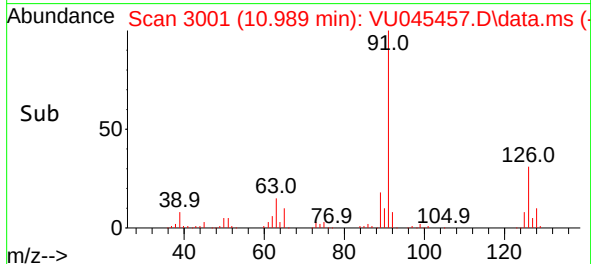
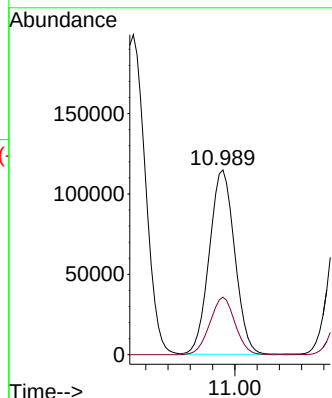
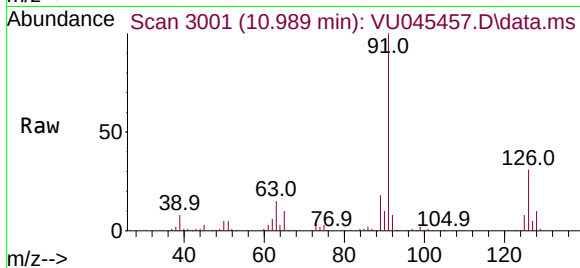
ClientSampleId :

Tgt Ion: 91 Resp: 181908

Ion Ratio Lower Upper

91 100

126 30.8 15.6 46.8



#80

1,3,5-Trimethylbenzene

Concen: 22.241 ug/l

RT: 11.089 min Scan# 3032

Delta R.T. -0.003 min

Lab File: VU045457.D

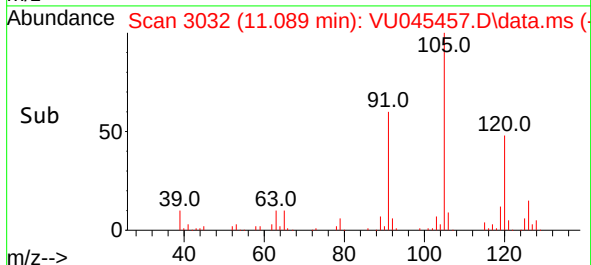
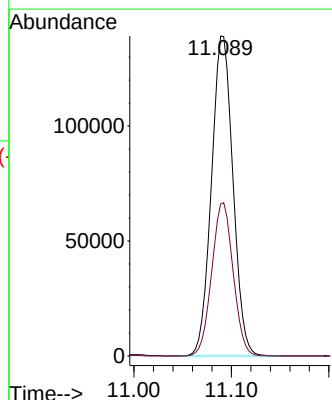
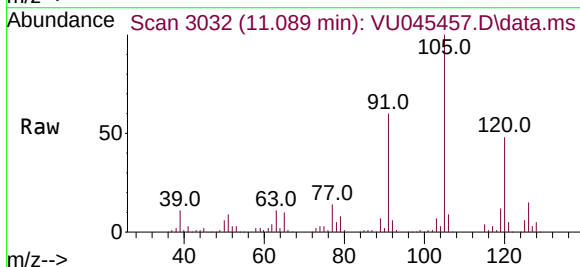
Acq: 29 Oct 2021 12:27

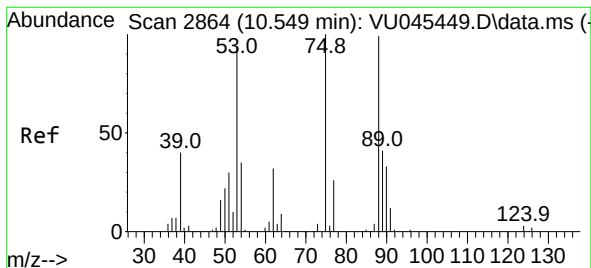
Tgt Ion: 105 Resp: 213432

Ion Ratio Lower Upper

105 100

120 47.7 23.9 71.8

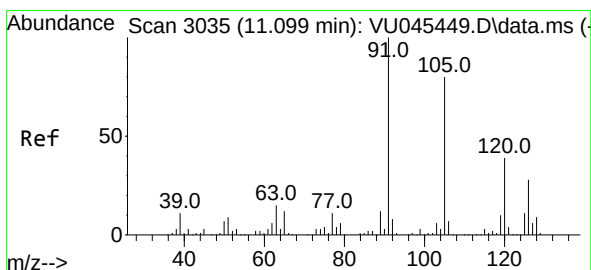
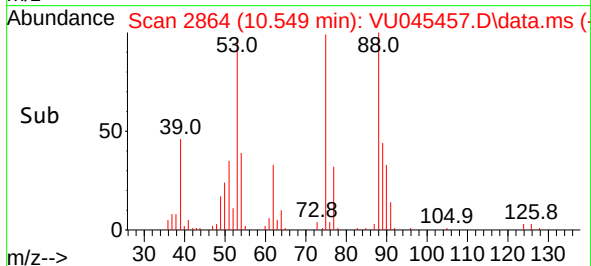
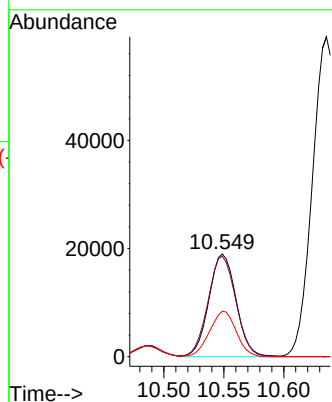
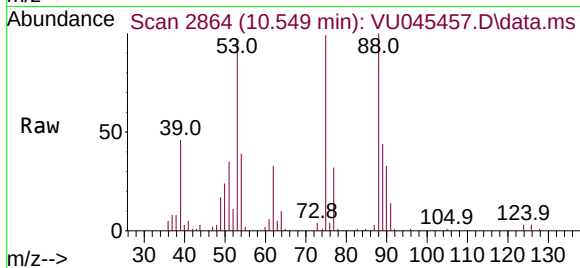




#81  
trans-1,4-Dichloro-2-butene  
Concen: 20.295 ug/l  
RT: 10.549 min Scan# 2864  
Delta R.T. -0.000 min  
Lab File: VU045457.D  
Acq: 29 Oct 2021 12:27

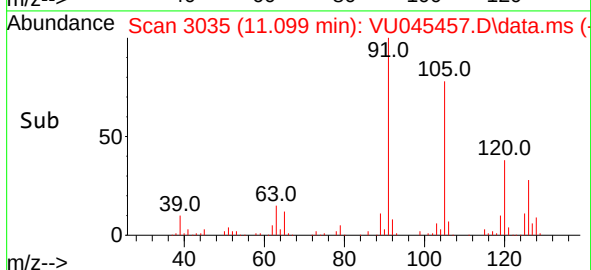
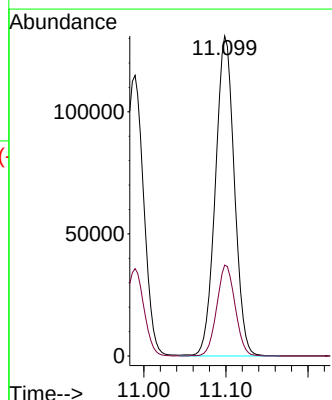
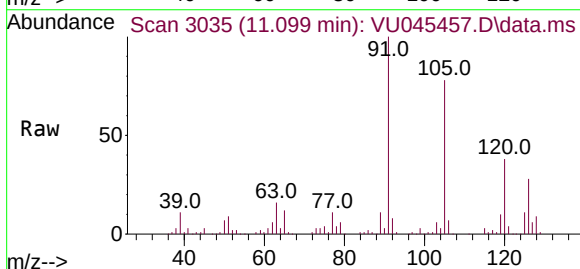
Instrument :  
MSVOA\_U  
ClientSampleId :

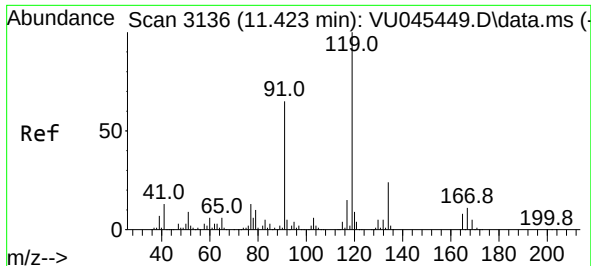
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 99.6  | 76.2  | 114.4 |
| 89      | 43.2  | 34.0  | 51.0  |



#82  
4-Chlorotoluene  
Concen: 22.280 ug/l  
RT: 11.099 min Scan# 3035  
Delta R.T. 0.000 min  
Lab File: VU045457.D  
Acq: 29 Oct 2021 12:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 27.4  | 13.8  | 41.4  |

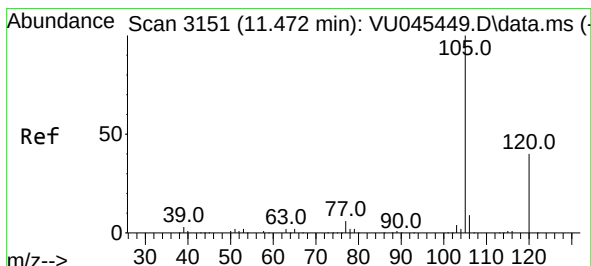
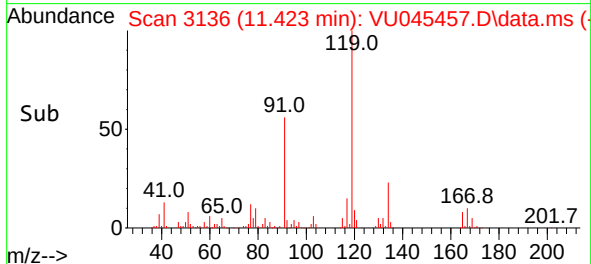
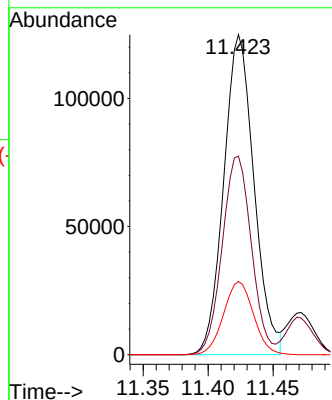
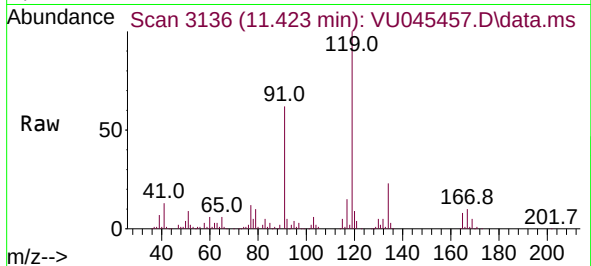




#83  
tert-Butylbenzene  
Concen: 21.897 ug/l  
RT: 11.423 min Scan# 3136  
Delta R.T. 0.000 min  
Lab File: VU045457.D  
Acq: 29 Oct 2021 12:27

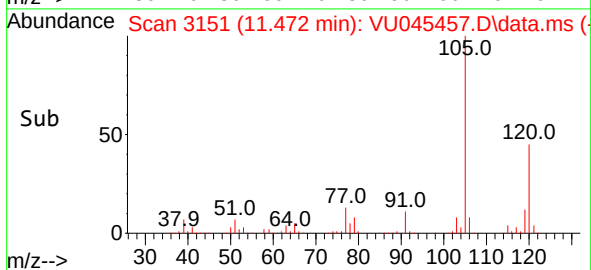
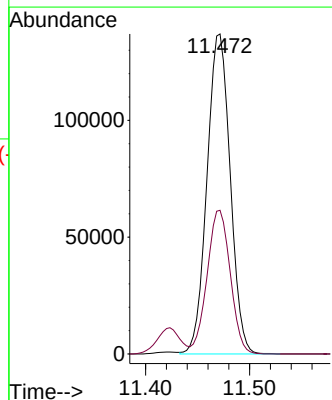
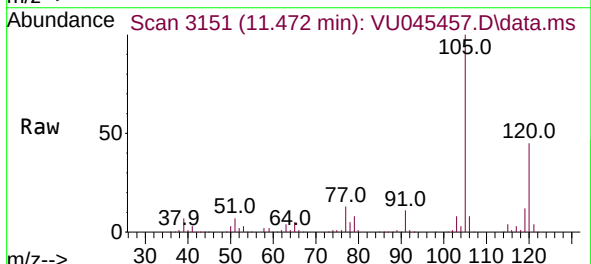
Instrument :  
MSVOA\_U  
ClientSampleId :

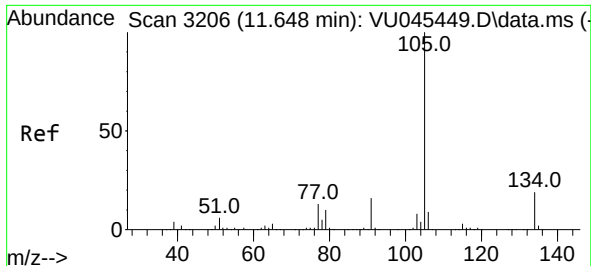
Tgt Ion:119 Resp: 202832  
Ion Ratio Lower Upper  
119 100  
91 60.0 30.5 91.5  
134 22.6 11.5 34.5



#84  
1,2,4-Trimethylbenzene  
Concen: 22.073 ug/l  
RT: 11.472 min Scan# 3151  
Delta R.T. -0.000 min  
Lab File: VU045457.D  
Acq: 29 Oct 2021 12:27

Tgt Ion:105 Resp: 212231  
Ion Ratio Lower Upper  
105 100  
120 44.8 22.2 66.6

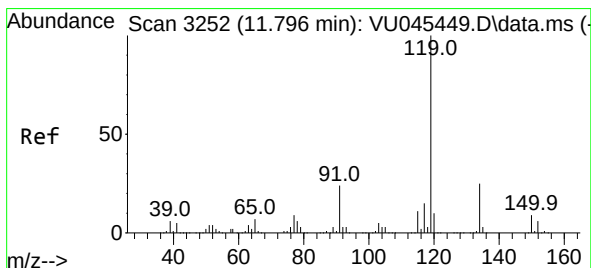
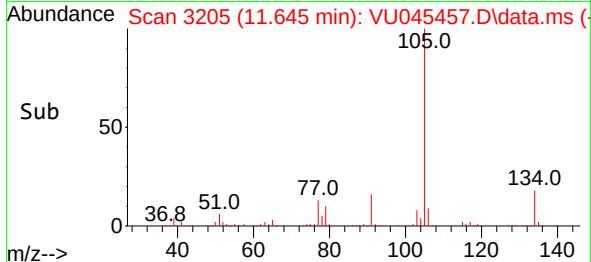
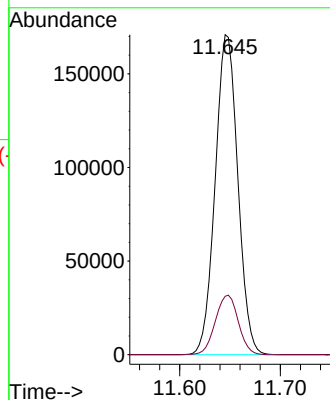
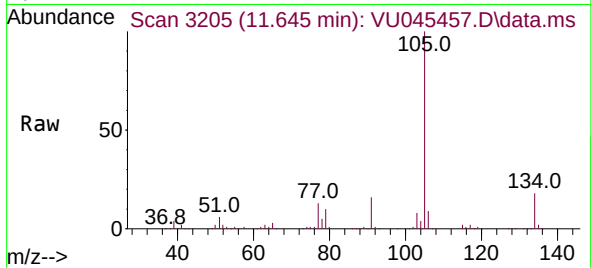




#85  
 sec-Butylbenzene  
 Concen: 21.974 ug/l  
 RT: 11.645 min Scan# 31  
 Delta R.T. -0.003 min  
 Lab File: VU045457.D  
 Acq: 29 Oct 2021 12:27

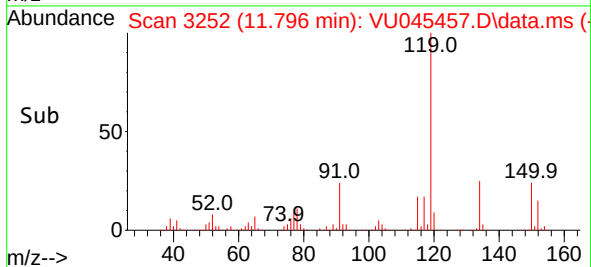
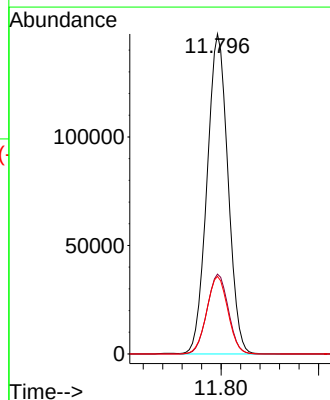
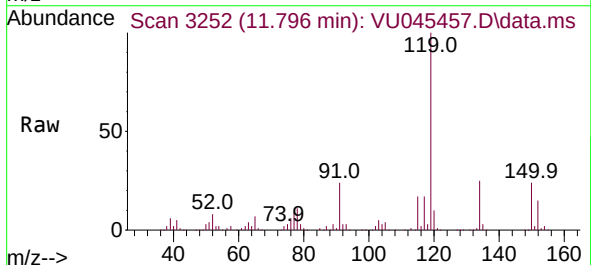
Instrument :  
 MSVOA\_U  
 ClientSampleId :

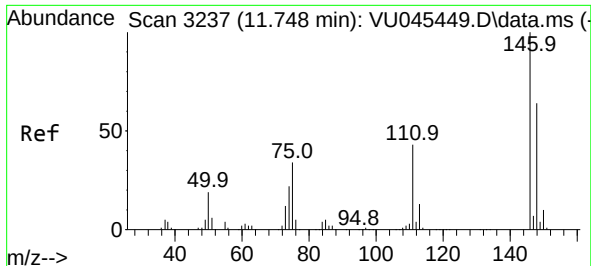
Tgt Ion:105 Resp: 267102  
 Ion Ratio Lower Upper  
 105 100  
 134 18.9 9.4 28.3



#86  
 p-Isopropyltoluene  
 Concen: 20.524 ug/l  
 RT: 11.796 min Scan# 3252  
 Delta R.T. 0.000 min  
 Lab File: VU045457.D  
 Acq: 29 Oct 2021 12:27

Tgt Ion:119 Resp: 219813  
 Ion Ratio Lower Upper  
 119 100  
 134 25.3 12.7 38.1  
 91 24.6 12.2 36.4





#87

1,3-Dichlorobenzene

Concen: 21.114 ug/l

RT: 11.748 min Scan# 3237

Delta R.T. 0.000 min

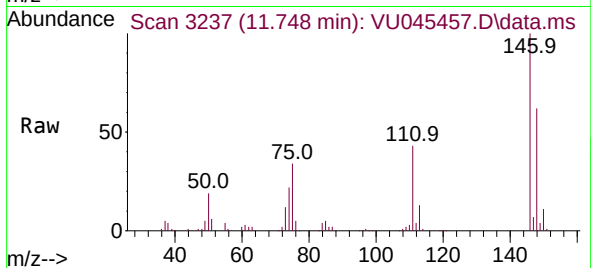
Lab File: VU045457.D

Acq: 29 Oct 2021 12:27

Instrument :

MSVOA\_U

ClientSampleId :



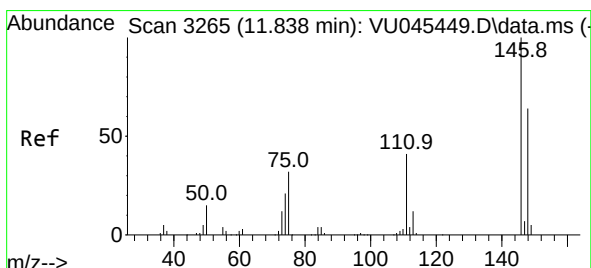
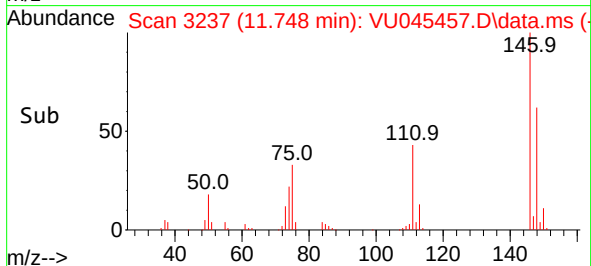
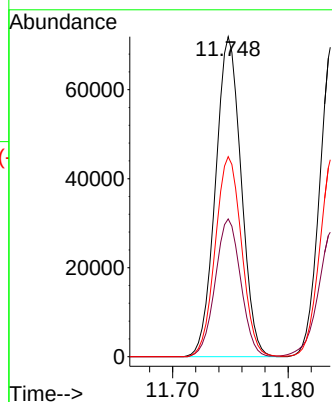
Tgt Ion:146 Resp: 110902

Ion Ratio Lower Upper

146 100

111 42.9 21.3 63.9

148 64.1 31.7 95.1



#88

1,4-Dichlorobenzene

Concen: 20.887 ug/l

RT: 11.838 min Scan# 3265

Delta R.T. 0.000 min

Lab File: VU045457.D

Acq: 29 Oct 2021 12:27

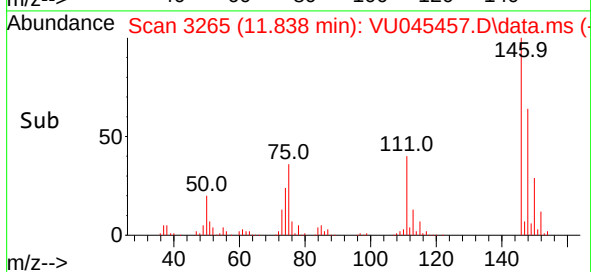
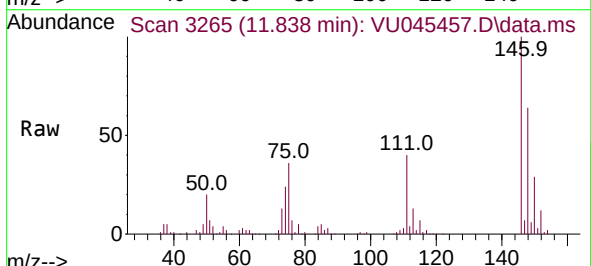
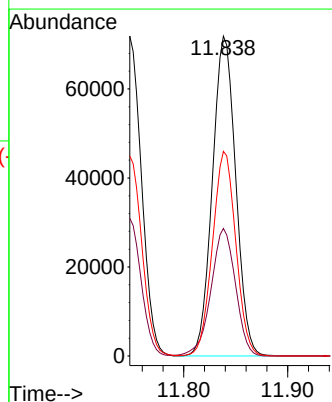
Tgt Ion:146 Resp: 112187

Ion Ratio Lower Upper

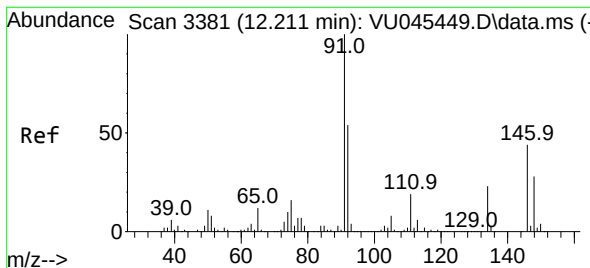
146 100

111 41.8 20.6 61.9

148 64.1 31.9 95.7







#89

n-Butylbenzene

Concen: 20.487 ug/l

RT: 12.211 min Scan# 3381

Delta R.T. 0.000 min

Lab File: VU045457.D

Acq: 29 Oct 2021 12:27

Instrument :

MSVOA\_U

ClientSampleId :

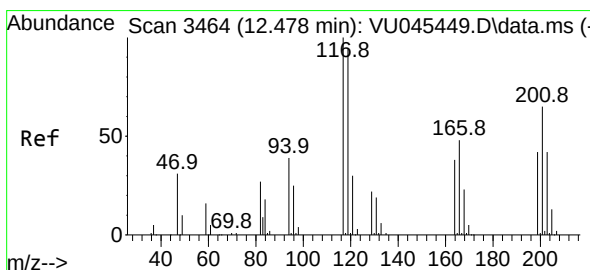
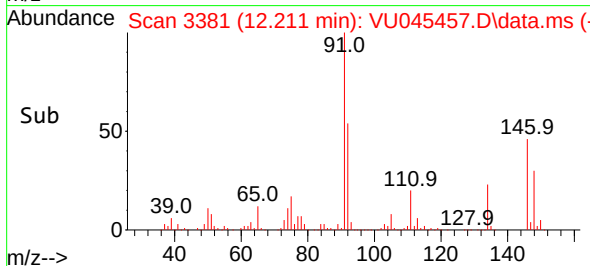
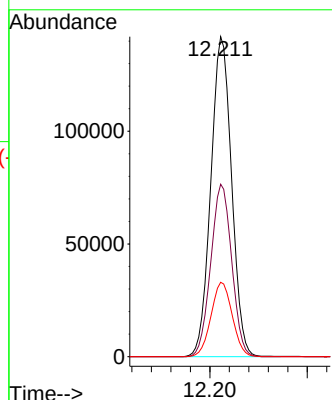
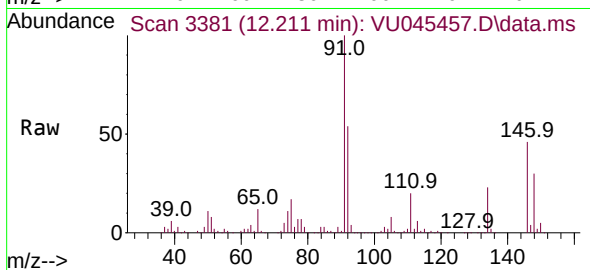
Tgt Ion: 91 Resp: 209983

Ion Ratio Lower Upper

91 100

92 54.2 27.1 81.2

134 23.7 11.8 35.4



#90

Hexachloroethane

Concen: 21.264 ug/l

RT: 12.478 min Scan# 3464

Delta R.T. 0.000 min

Lab File: VU045457.D

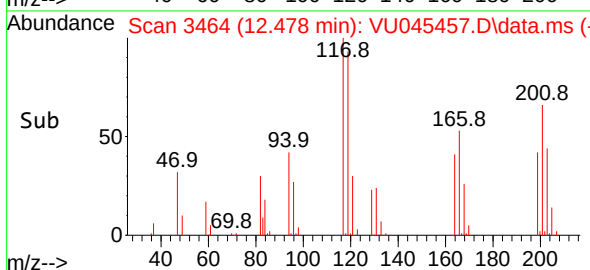
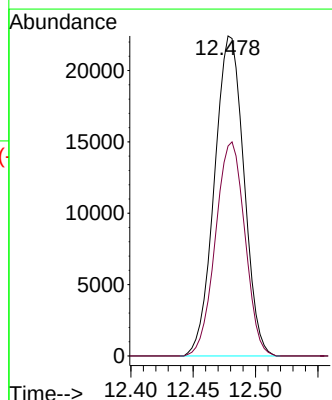
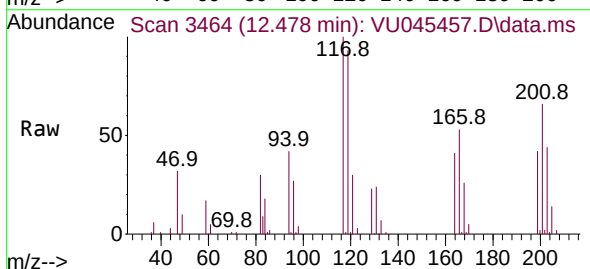
Acq: 29 Oct 2021 12:27

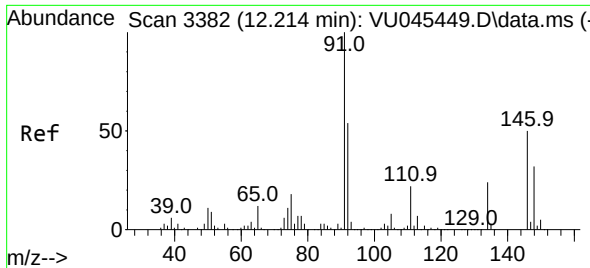
Tgt Ion: 117 Resp: 36893

Ion Ratio Lower Upper

117 100

201 66.8 33.8 101.4

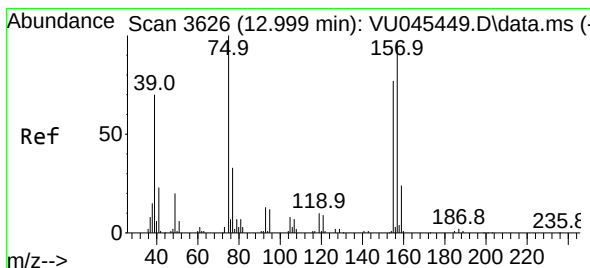
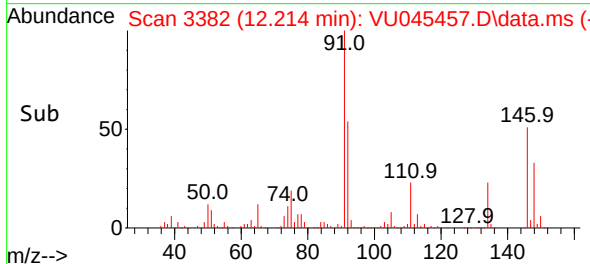
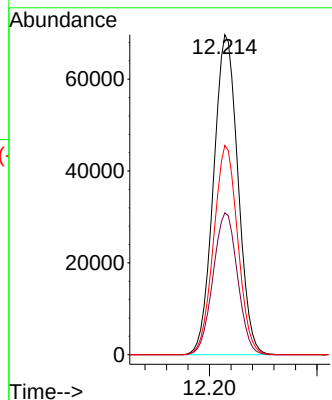
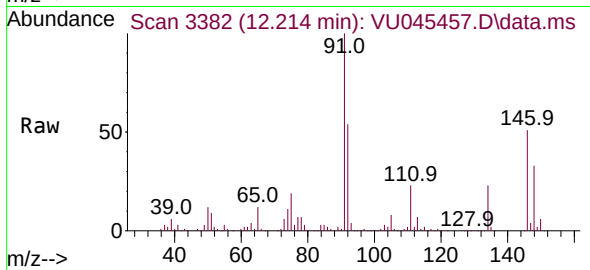




#91  
 1,2-Dichlorobenzene  
 Concen: 20.932 ug/l  
 RT: 12.214 min Scan# 3382  
 Delta R.T. 0.000 min  
 Lab File: VU045457.D  
 Acq: 29 Oct 2021 12:27

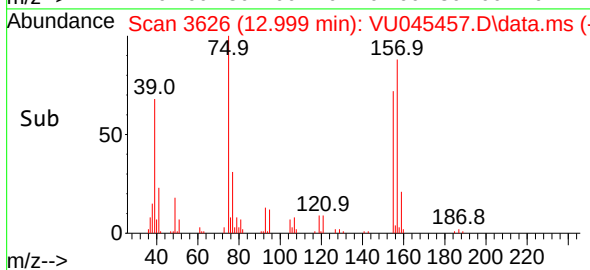
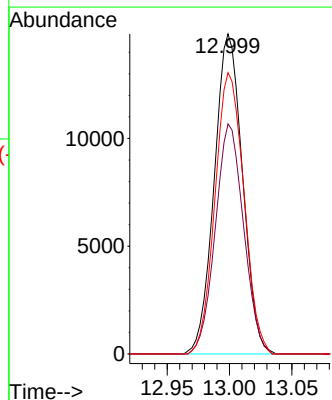
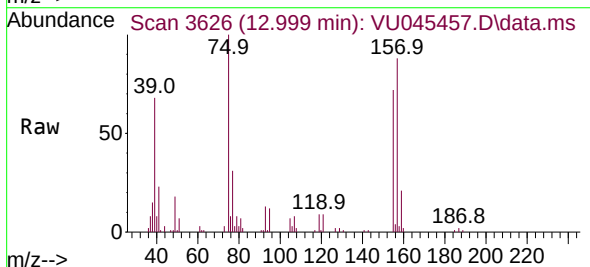
Instrument :  
 MSVOA\_U  
 ClientSampleId :

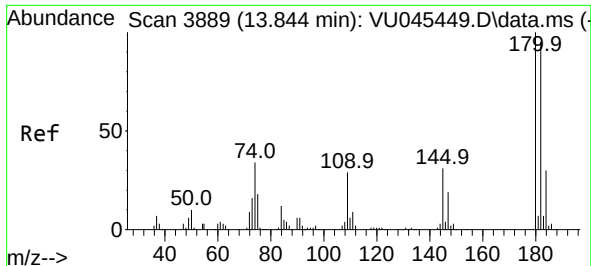
Tgt Ion:146 Resp: 109967  
 Ion Ratio Lower Upper  
 146 100  
 111 44.4 21.9 65.5  
 148 64.6 32.1 96.3



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 21.550 ug/l  
 RT: 12.999 min Scan# 3626  
 Delta R.T. 0.000 min  
 Lab File: VU045457.D  
 Acq: 29 Oct 2021 12:27

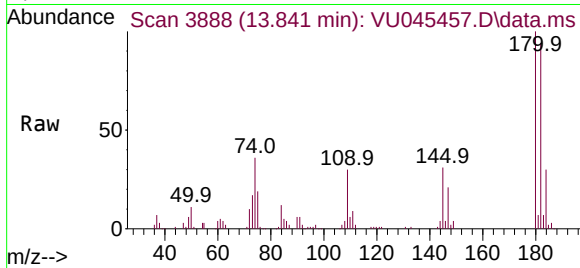
Tgt Ion: 75 Resp: 23428  
 Ion Ratio Lower Upper  
 75 100  
 155 71.9 37.8 113.3  
 157 89.8 48.4 145.2



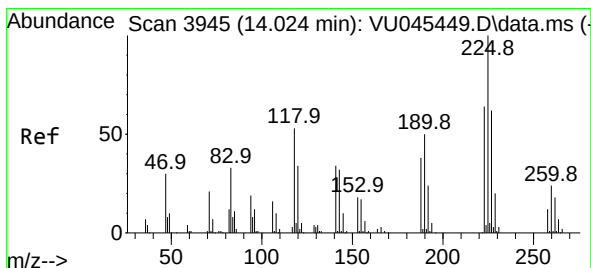
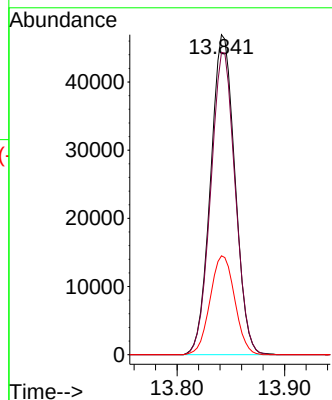
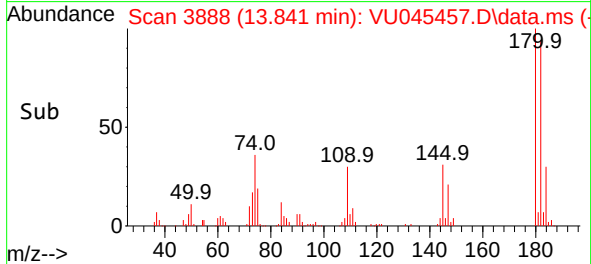


#93  
 1,2,4-Trichlorobenzene  
 Concen: 20.972 ug/l  
 RT: 13.841 min Scan# 3889  
 Delta R.T. -0.003 min  
 Lab File: VU045457.D  
 Acq: 29 Oct 2021 12:27

Instrument :  
 MSVOA\_U  
 ClientSampleId :

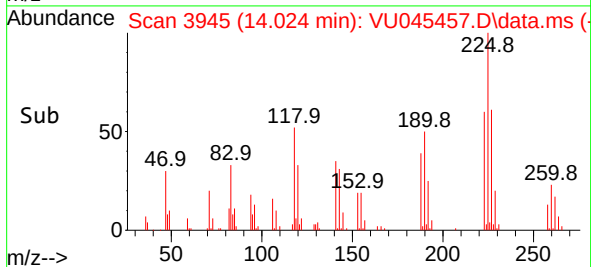
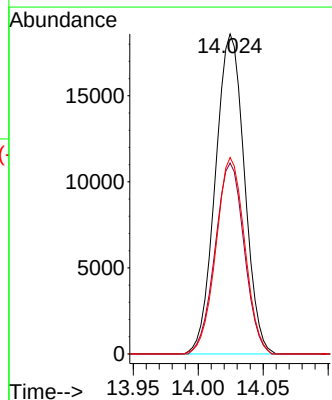
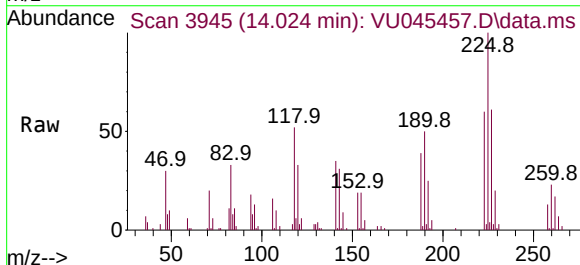


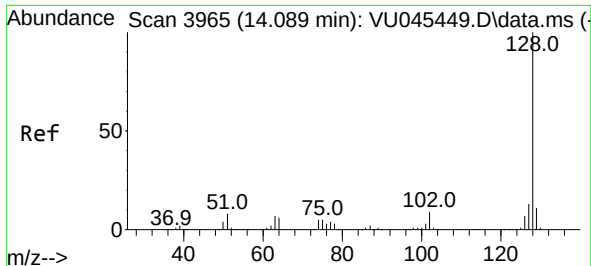
Tgt Ion:180 Resp: 73781  
 Ion Ratio Lower Upper  
 180 100  
 182 94.8 47.0 141.2  
 145 31.3 15.6 46.7



#94  
 Hexachlorobutadiene  
 Concen: 22.543 ug/l  
 RT: 14.024 min Scan# 3945  
 Delta R.T. 0.000 min  
 Lab File: VU045457.D  
 Acq: 29 Oct 2021 12:27

Tgt Ion:225 Resp: 28876  
 Ion Ratio Lower Upper  
 225 100  
 223 59.8 32.0 96.2  
 227 60.7 31.1 93.5

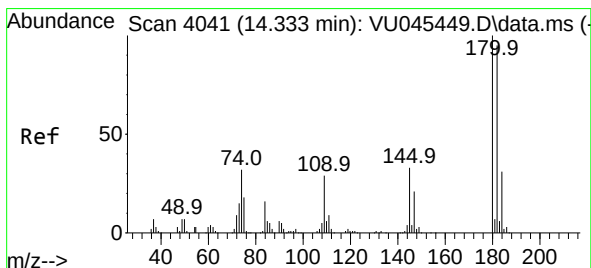
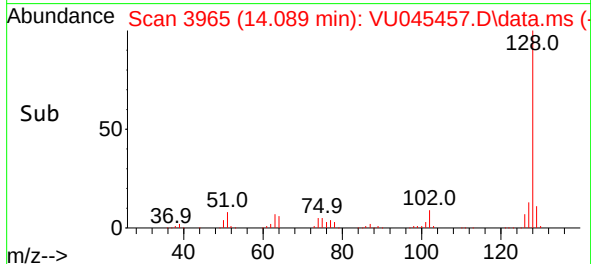
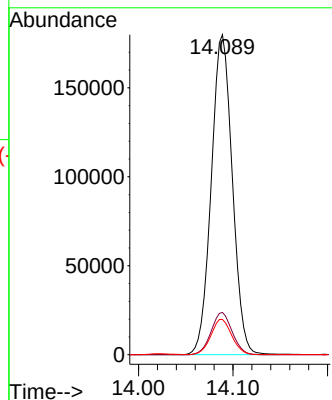
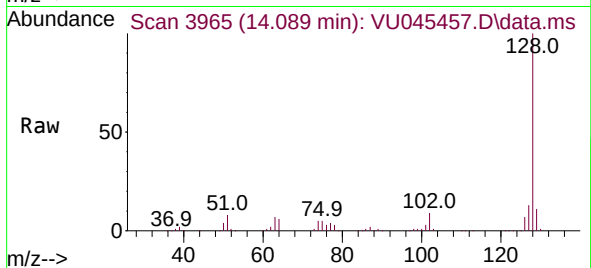




#95  
Naphthalene  
Concen: 20.070 ug/l  
RT: 14.089 min Scan# 3965  
Delta R.T. -0.000 min  
Lab File: VU045457.D  
Acq: 29 Oct 2021 12:27

Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion:128 Resp: 278312  
Ion Ratio Lower Upper  
128 100  
127 13.2 10.6 15.8  
129 11.0 8.6 13.0



#96  
1,2,3-Trichlorobenzene  
Concen: 21.489 ug/l  
RT: 14.333 min Scan# 4041  
Delta R.T. 0.000 min  
Lab File: VU045457.D  
Acq: 29 Oct 2021 12:27

Tgt Ion:180 Resp: 76203  
Ion Ratio Lower Upper  
180 100  
182 94.3 47.7 143.1  
145 32.9 16.7 50.0

