

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU052722\  
 Data File : VU048684.D  
 Acq On : 27 May 2022 11:33  
 Operator : SY/MD  
 Sample : VU0527WBS01  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0527WBS01

Quant Time: May 28 00:15:53 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U052622W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 27 06:42:31 2022  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 5.372  | 168   | 257259   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.250  | 114   | 404385   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 9.417  | 117   | 390455   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 11.813 | 152   | 219686   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.700  | 65    | 192236   | 49.756   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 78 - 117 | Recovery | =      | 99.520%  |
| 35) Dibromofluoromethane     | 5.289  | 113   | 147394   | 51.090   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | =      | 102.180% |
| 50) Toluene-d8               | 7.896  | 98    | 547443   | 52.936   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 92 - 112 | Recovery | =      | 105.880% |
| 62) 4-Bromofluorobenzene     | 10.633 | 95    | 209727   | 53.624   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 83 - 123 | Recovery | =      | 107.240% |
| Target Compounds             |        |       |          |          |        |          |
|                              |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.385  | 85    | 55486    | 18.840   | ug/l   | 100      |
| 3) Chloromethane             | 1.524  | 50    | 70727    | 18.655   | ug/l   | 97       |
| 4) Vinyl Chloride            | 1.604  | 62    | 68628    | 19.544   | ug/l   | 96       |
| 5) Bromomethane              | 1.852  | 94    | 48775    | 22.544   | ug/l   | 99       |
| 6) Chloroethane              | 1.932  | 64    | 39082    | 18.721   | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 2.138  | 101   | 90534    | 18.053   | ug/l   | 99       |
| 8) Diethyl Ether             | 2.376  | 74    | 34512    | 18.649   | ug/l   | 97       |
| 9) 1,1,2-Trichlorotrifluo... | 2.582  | 101   | 50540    | 18.411   | ug/l   | 99       |
| 10) Methyl Iodide            | 2.723  | 142   | 59433    | 16.704   | ug/l   | 99       |
| 11) Tert butyl alcohol       | 3.170  | 59    | 97563    | 99.603   | ug/l # | 42       |
| 12) 1,1-Dichloroethene       | 2.582  | 96    | 48755    | 18.620   | ug/l   | 92       |
| 13) Acrolein                 | 2.485  | 56    | 28245    | 84.197   | ug/l   | 99       |
| 14) Allyl chloride           | 2.926  | 41    | 96929    | 19.113   | ug/l   | 99       |
| 15) Acrylonitrile            | 3.311  | 53    | 216545   | 101.933  | ug/l   | 100      |
| 16) Acetone                  | 2.623  | 43    | 242593   | 123.209  | ug/l   | 98       |
| 17) Carbon Disulfide         | 2.794  | 76    | 137137   | 17.941   | ug/l   | 99       |
| 18) Methyl Acetate           | 2.945  | 43    | 104252   | 21.088   | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 3.363  | 73    | 189619   | 19.086   | ug/l   | 99       |
| 20) Methylene Chloride       | 3.045  | 84    | 71854    | 21.460   | ug/l   | 94       |
| 21) trans-1,2-Dichloroethene | 3.353  | 96    | 54110    | 18.066   | ug/l   | 91       |
| 22) Diisopropyl ether        | 3.990  | 45    | 187590   | 20.053   | ug/l   | 88       |
| 23) Vinyl Acetate            | 3.954  | 43    | 817670   | 100.884  | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 3.874  | 63    | 114352   | 19.463   | ug/l   | 99       |
| 25) 2-Butanone               | 4.697  | 43    | 315634   | 111.587  | ug/l   | 99       |
| 26) 2,2-Dichloropropane      | 4.665  | 77    | 96711    | 18.348   | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 4.668  | 96    | 65834    | 18.990   | ug/l   | 98       |
| 28) Bromochloromethane       | 4.974  | 49    | 47695    | 20.696   | ug/l   | 98       |
| 29) Tetrahydrofuran          | 5.048  | 42    | 186657   | 104.763  | ug/l   | 99       |
| 30) Chloroform               | 5.089  | 83    | 113616   | 19.327   | ug/l   | 96       |
| 31) Cyclohexane              | 5.388  | 56    | 95150    | 19.542   | ug/l # | 92       |
| 32) 1,1,1-Trichloroethane    | 5.318  | 97    | 99847    | 18.721   | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 5.527  | 75    | 79003    | 18.763   | ug/l   | 99       |
| 37) Ethyl Acetate            | 4.803  | 43    | 104916   | 19.710   | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 5.527  | 117   | 87911    | 18.199   | ug/l   | 99       |
| 39) Methylcyclohexane        | 6.765  | 83    | 85613    | 19.392   | ug/l   | 98       |
| 40) Benzene                  | 5.774  | 78    | 236992   | 19.065   | ug/l   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU052722\  
 Data File : VU048684.D  
 Acq On : 27 May 2022 11:33  
 Operator : SY/MD  
 Sample : VU0527WBS01  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0527WBS01

Quant Time: May 28 00:15:53 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U052622W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 27 06:42:31 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.970  | 41   | 55566    | 20.658  | ug/l   | 99       |
| 42) 1,2-Dichloroethane        | 5.794  | 62   | 92964    | 19.105  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 5.909  | 43   | 154560   | 20.006  | ug/l   | 99       |
| 44) Trichloroethene           | 6.543  | 130  | 61823    | 19.304  | ug/l   | 97       |
| 45) 1,2-Dichloropropane       | 6.790  | 63   | 65960    | 21.077  | ug/l   | 99       |
| 46) Dibromomethane            | 6.919  | 93   | 44877    | 19.194  | ug/l   | 97       |
| 47) Bromodichloromethane      | 7.105  | 83   | 92726    | 19.611  | ug/l   | 98       |
| 48) Methyl methacrylate       | 6.961  | 41   | 70845    | 20.427  | ug/l   | 99       |
| 49) 1,4-Dioxane               | 6.961  | 88   | 33344    | 430.073 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone      | 7.790  | 43   | 540222   | 107.689 | ug/l   | 99       |
| 52) Toluene                   | 7.970  | 92   | 151074   | 20.318  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 8.208  | 75   | 100271   | 19.659  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 7.607  | 75   | 102970   | 19.483  | ug/l   | 100      |
| 55) 1,1,2-Trichloroethane     | 8.401  | 97   | 66730    | 20.335  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 8.334  | 69   | 91308    | 19.301  | ug/l   | 96       |
| 57) 1,3-Dichloropropane       | 8.575  | 76   | 109107   | 19.755  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 7.462  | 63   | 85221    | 93.790  | ug/l   | 95       |
| 59) 2-Hexanone                | 8.681  | 43   | 435809   | 105.820 | ug/l   | 99       |
| 60) Dibromochloromethane      | 8.810  | 129  | 72234    | 19.637  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 8.922  | 107  | 68430    | 18.935  | ug/l   | 100      |
| 64) Tetrachloroethene         | 8.552  | 164  | 56482    | 20.170  | ug/l   | 97       |
| 65) Chlorobenzene             | 9.446  | 112  | 164737   | 19.948  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 9.533  | 131  | 61072    | 19.483  | ug/l   | 98       |
| 67) Ethyl Benzene             | 9.568  | 91   | 279750   | 20.085  | ug/l   | 100      |
| 68) m/p-Xylenes               | 9.694  | 106  | 223545   | 41.036  | ug/l   | 98       |
| 69) o-Xylene                  | 10.099 | 106  | 106134   | 19.831  | ug/l   | 97       |
| 70) Styrene                   | 10.115 | 104  | 181974   | 20.672  | ug/l   | 98       |
| 71) Bromoform                 | 10.289 | 173  | 56154    | 19.375  | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.485 | 105  | 283645   | 19.999  | ug/l   | 100      |
| 74) N-amyl acetate            | 10.321 | 43   | 122097   | 18.632  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 10.784 | 83   | 112973   | 19.519  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 10.822 | 75   | 134283   | 18.958  | ug/l   | 100      |
| 77) Bromobenzene              | 10.781 | 156  | 74161    | 19.470  | ug/l   | 99       |
| 78) n-propylbenzene           | 10.906 | 91   | 341608   | 20.213  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 10.986 | 91   | 203947   | 19.406  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.089 | 105  | 250943   | 20.346  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 10.546 | 75   | 35579    | 18.238  | ug/l   | 98       |
| 82) 4-Chlorotoluene           | 11.096 | 91   | 247016   | 20.371  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 11.420 | 119  | 232558   | 19.646  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.469 | 105  | 249214   | 19.490  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.642 | 105  | 297585   | 20.095  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 11.793 | 119  | 258289   | 20.310  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 11.745 | 146  | 143705   | 19.243  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 11.835 | 146  | 145180   | 18.817  | ug/l   | 99       |
| 89) n-Butylbenzene            | 12.208 | 91   | 220199   | 18.727  | ug/l   | 100      |
| 90) Hexachloroethane          | 12.475 | 117  | 46229    | 17.811  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 12.211 | 146  | 141805   | 18.796  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.996 | 75   | 28511    | 17.109  | ug/l   | 96       |
| 93) 1,2,4-Trichlorobenzene    | 13.841 | 180  | 85618    | 17.294  | ug/l   | 100      |
| 94) Hexachlorobutadiene       | 14.022 | 225  | 42240    | 17.801  | ug/l   | 98       |
| 95) Naphthalene               | 14.086 | 128  | 243680   | 15.911  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 14.330 | 180  | 87417    | 17.828  | ug/l   | 98       |

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Data File : VU048684.D  
Acq On : 27 May 2022 11:33  
Operator : SY/MD  
Sample : VU0527WBS01  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 7 Sample Multiplier: 1

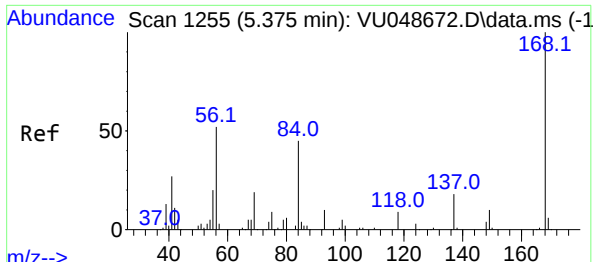
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0527WBS01

Quant Time: May 28 00:15:53 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U052622W.M  
Quant Title : SW846 8260  
QLast Update : Fri May 27 06:42:31 2022  
Response via : Initial Calibration

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

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

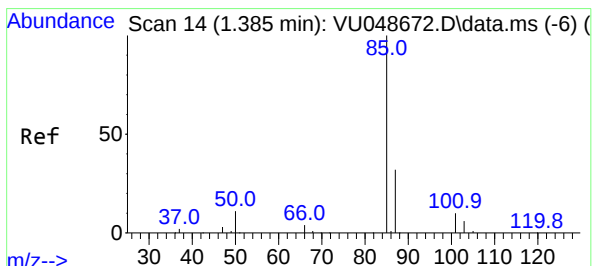
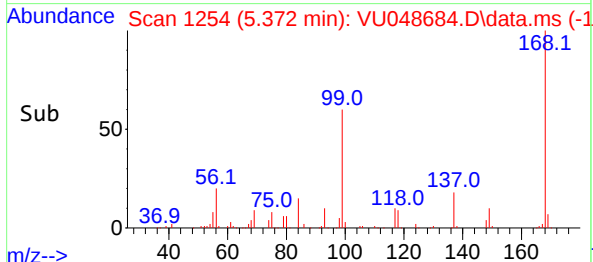
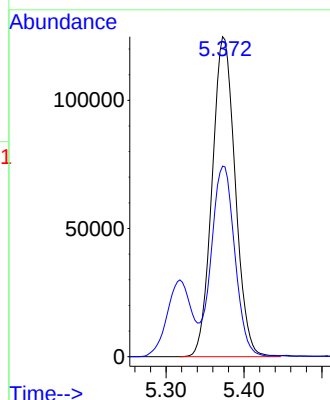
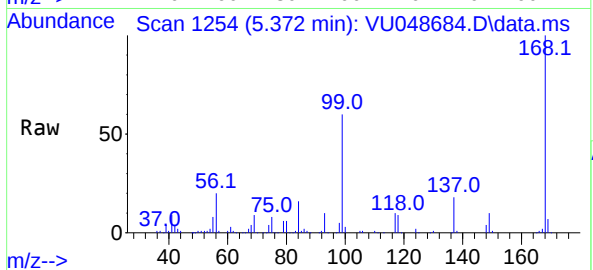




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.372 min Scan# 11  
Delta R.T. -0.003 min  
Lab File: VU048684.D  
Acq: 27 May 2022 11:33

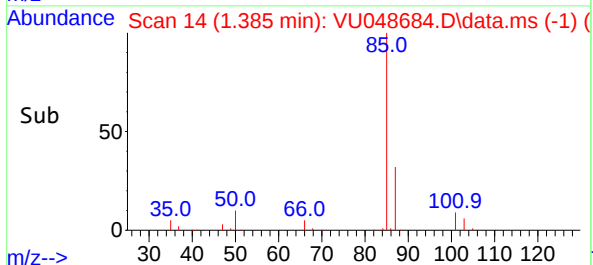
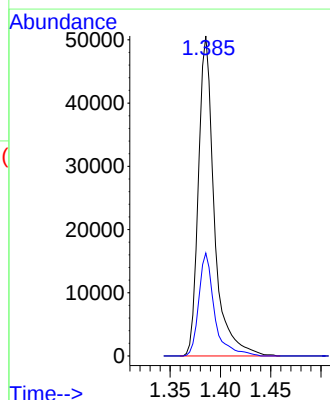
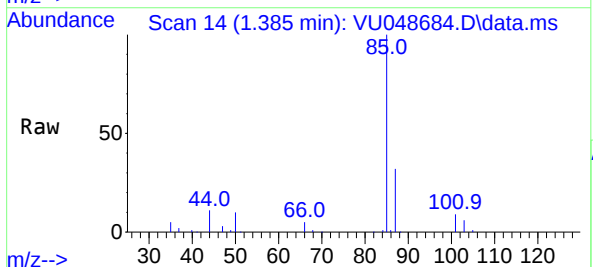
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0527WBS01

Tgt Ion:168 Resp: 257259  
Ion Ratio Lower Upper  
168 100  
99 59.2 49.3 73.9

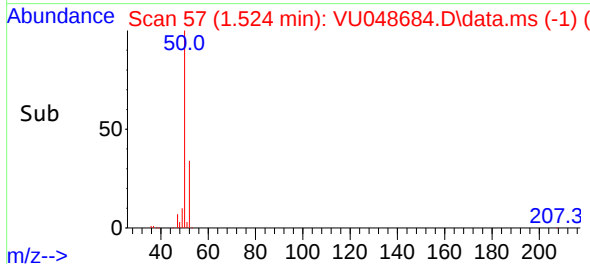
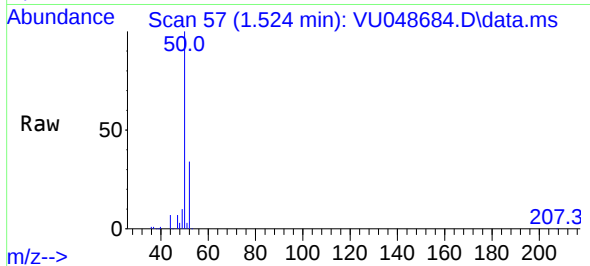
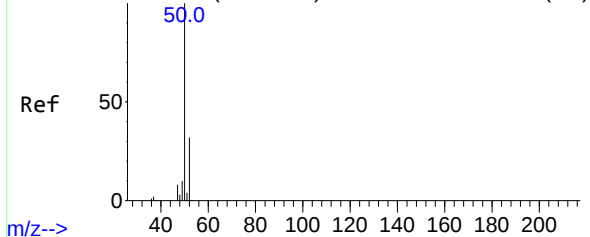


#2  
Dichlorodifluoromethane  
Concen: 18.840 ug/l  
RT: 1.385 min Scan# 14  
Delta R.T. 0.000 min  
Lab File: VU048684.D  
Acq: 27 May 2022 11:33

Tgt Ion: 85 Resp: 55486  
Ion Ratio Lower Upper  
85 100  
87 32.2 16.0 48.0



Abundance Scan 57 (1.523 min): VU048672.D\data.ms (-47)



#3

Chloromethane

Concen: 18.655 ug/l

RT: 1.524 min Scan# 51

Delta R.T. 0.000 min

Lab File: VU048684.D

Acq: 27 May 2022 11:33

Instrument :

MSVOA\_U

ClientSampleId :

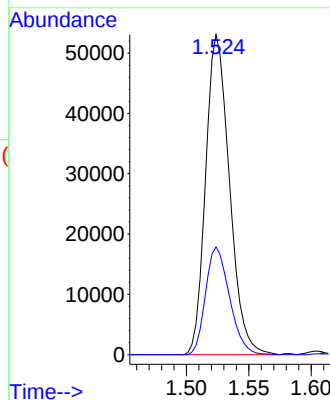
VU0527WBS01

Tgt Ion: 50 Resp: 70727

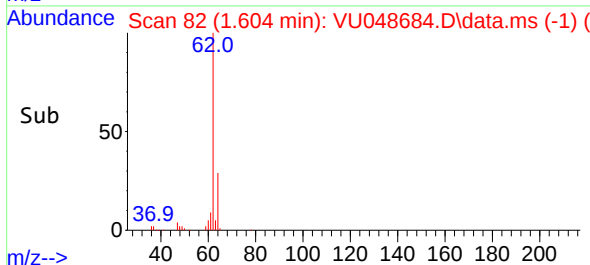
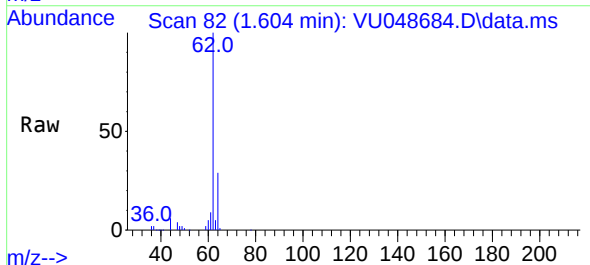
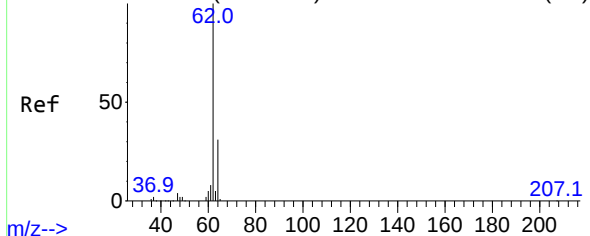
Ion Ratio Lower Upper

50 100

52 33.7 25.7 38.5



Abundance Scan 82 (1.604 min): VU048672.D\data.ms (-73)



#4

Vinyl Chloride

Concen: 19.544 ug/l

RT: 1.604 min Scan# 82

Delta R.T. 0.000 min

Lab File: VU048684.D

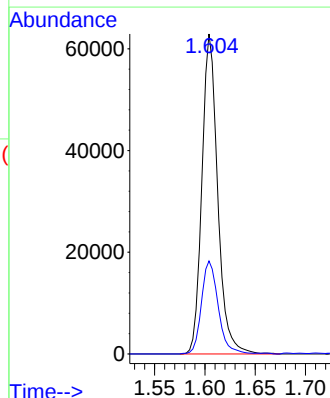
Acq: 27 May 2022 11:33

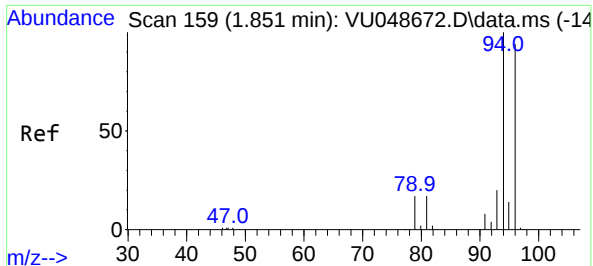
Tgt Ion: 62 Resp: 68628

Ion Ratio Lower Upper

62 100

64 29.0 25.2 37.8

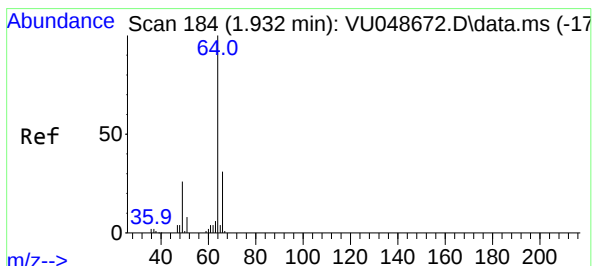
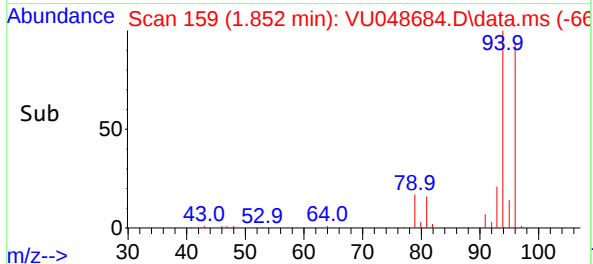
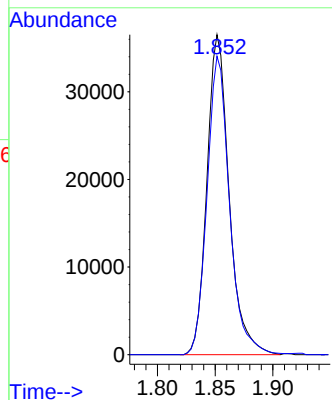
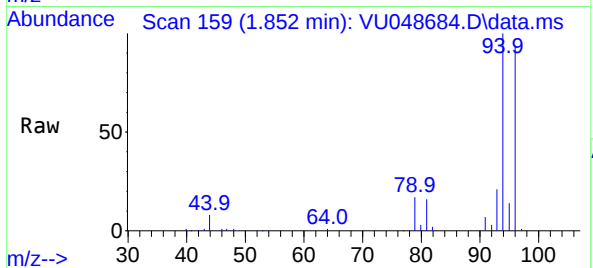




#5  
Bromomethane  
Concen: 22.544 ug/l  
RT: 1.852 min Scan# 11  
Delta R.T. 0.001 min  
Lab File: VU048684.D  
Acq: 27 May 2022 11:33

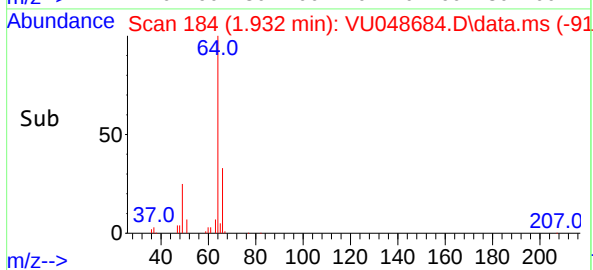
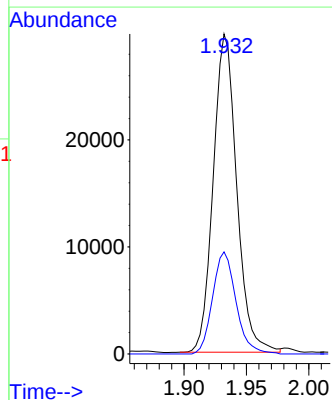
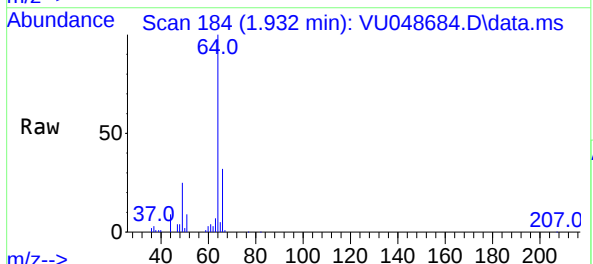
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0527WBS01

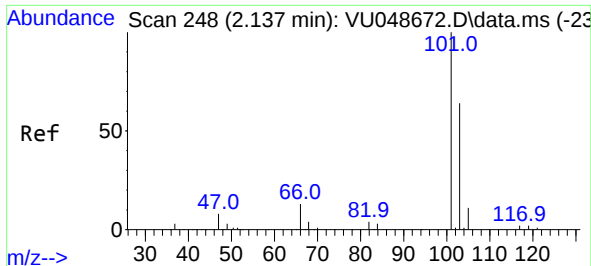
Tgt Ion: 94 Resp: 48775  
Ion Ratio Lower Upper  
94 100  
96 93.2 75.1 112.7



#6  
Chloroethane  
Concen: 18.721 ug/l  
RT: 1.932 min Scan# 184  
Delta R.T. 0.000 min  
Lab File: VU048684.D  
Acq: 27 May 2022 11:33

Tgt Ion: 64 Resp: 39082  
Ion Ratio Lower Upper  
64 100  
66 32.1 25.2 37.8

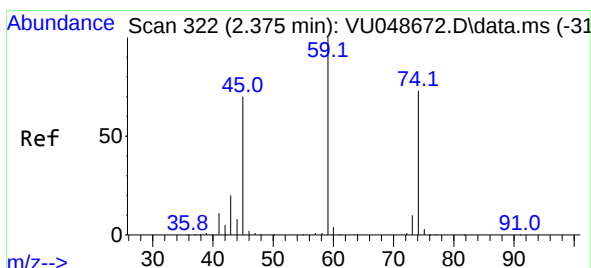
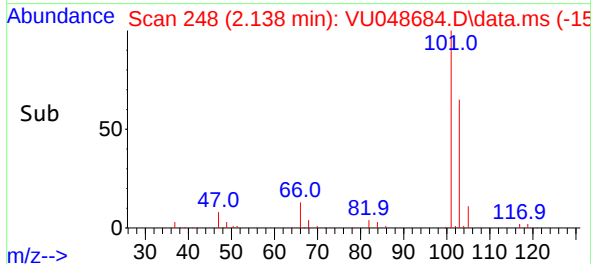
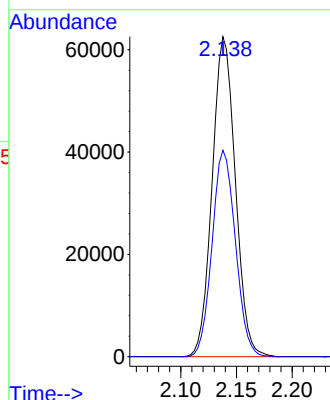
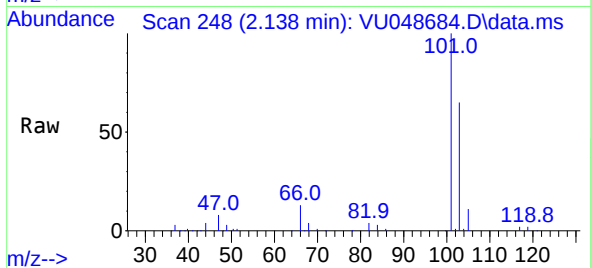




#7  
 Trichlorofluoromethane  
 Concen: 18.053 ug/l  
 RT: 2.138 min Scan# 248  
 Delta R.T. 0.000 min  
 Lab File: VU048684.D  
 Acq: 27 May 2022 11:33

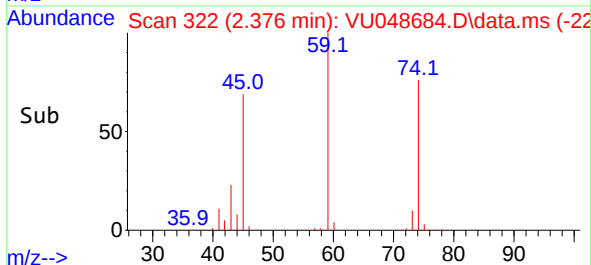
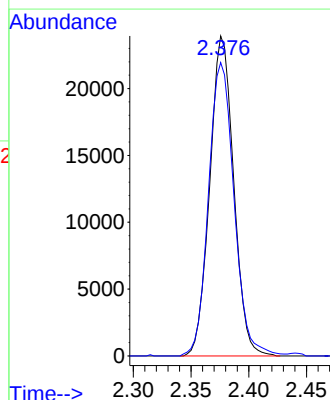
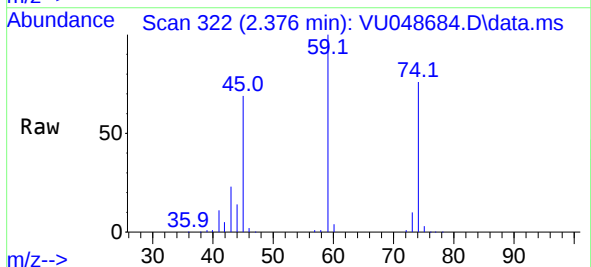
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0527WBS01

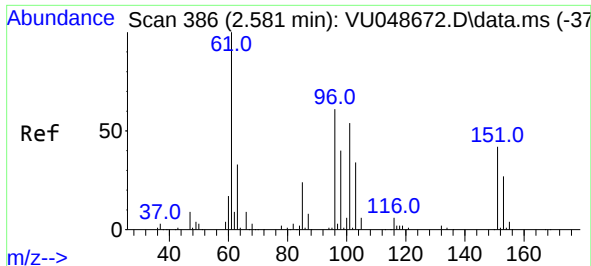
Tgt Ion:101 Resp: 90534  
 Ion Ratio Lower Upper  
 101 100  
 103 64.5 51.0 76.4



#8  
 Diethyl Ether  
 Concen: 18.649 ug/l  
 RT: 2.376 min Scan# 322  
 Delta R.T. 0.000 min  
 Lab File: VU048684.D  
 Acq: 27 May 2022 11:33

Tgt Ion: 74 Resp: 34512  
 Ion Ratio Lower Upper  
 74 100  
 45 98.0 47.7 143.1

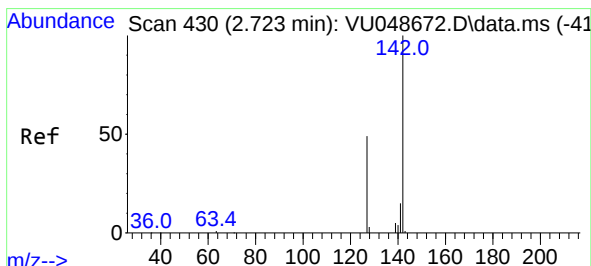
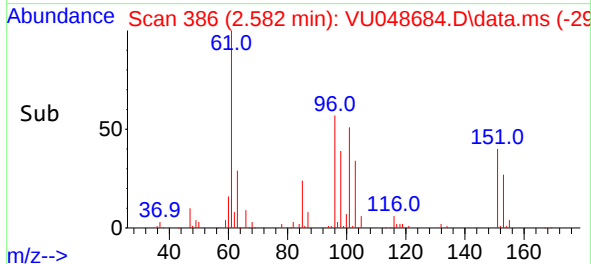
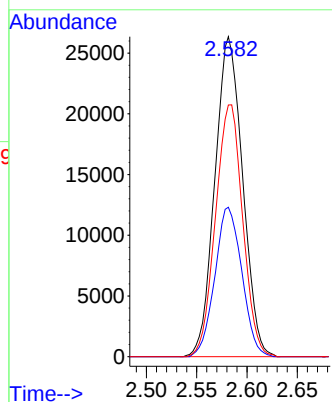
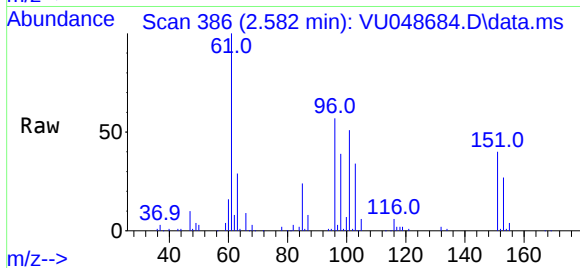




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 18.411 ug/l  
RT: 2.582 min Scan# 386  
Delta R.T. 0.000 min  
Lab File: VU048684.D  
Acq: 27 May 2022 11:33

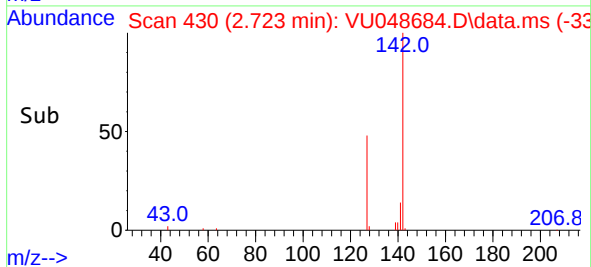
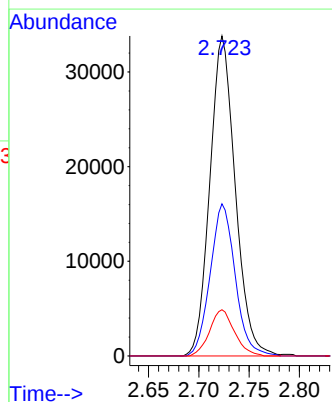
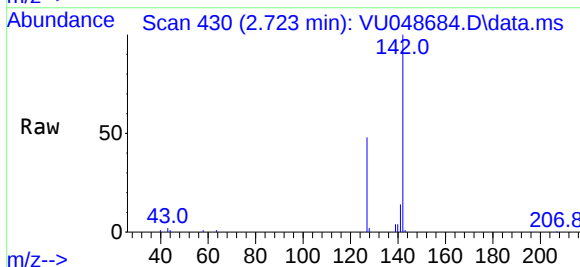
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0527WBS01

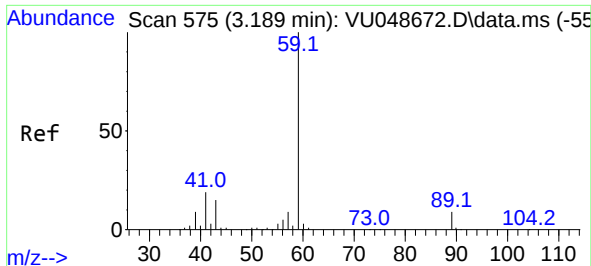
Tgt Ion:101 Resp: 50540  
Ion Ratio Lower Upper  
101 100  
85 45.4 35.4 53.2  
151 77.1 62.5 93.7



#10  
Methyl Iodide  
Concen: 16.704 ug/l  
RT: 2.723 min Scan# 430  
Delta R.T. -0.000 min  
Lab File: VU048684.D  
Acq: 27 May 2022 11:33

Tgt Ion:142 Resp: 59433  
Ion Ratio Lower Upper  
142 100  
127 46.8 38.4 57.6  
141 14.2 11.5 17.3

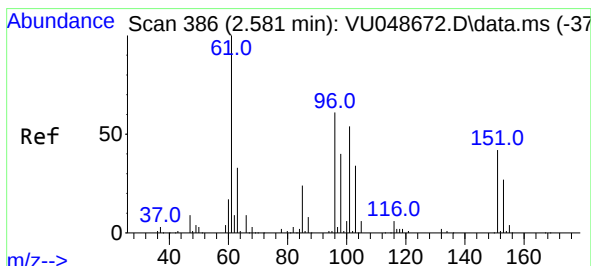
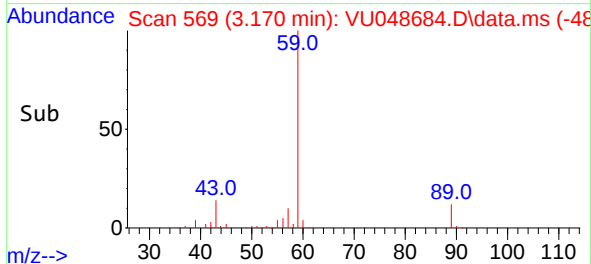
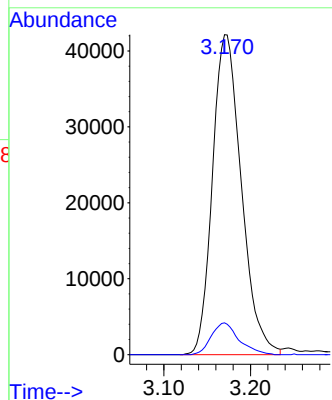
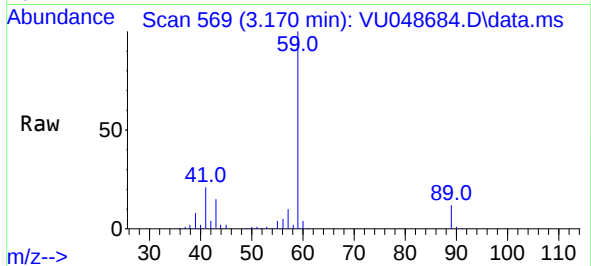




#11  
Tert butyl alcohol  
Concen: 99.603 ug/l  
RT: 3.170 min Scan# 575  
Delta R.T. -0.019 min  
Lab File: VU048684.D  
Acq: 27 May 2022 11:33

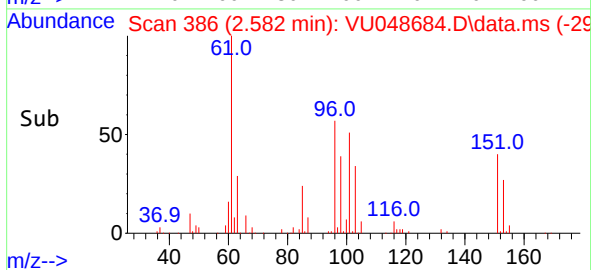
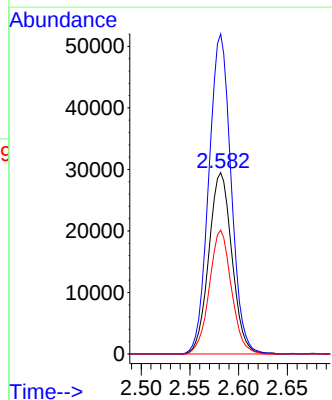
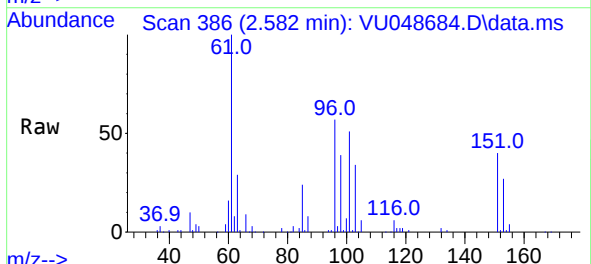
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0527WBS01

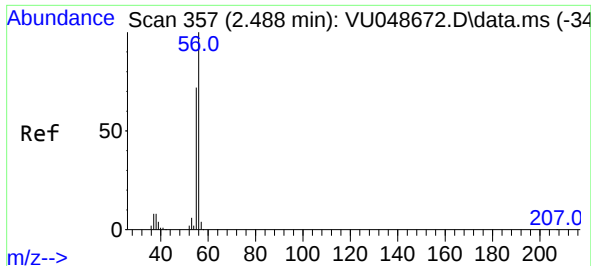
Tgt Ion: 59 Resp: 97563  
Ion Ratio Lower Upper  
59 100  
57 9.6 39.7 59.5#



#12  
1,1-Dichloroethene  
Concen: 18.620 ug/l  
RT: 2.582 min Scan# 386  
Delta R.T. 0.000 min  
Lab File: VU048684.D  
Acq: 27 May 2022 11:33

Tgt Ion: 96 Resp: 48755  
Ion Ratio Lower Upper  
96 100  
61 176.6 131.1 196.7  
98 68.3 51.8 77.8

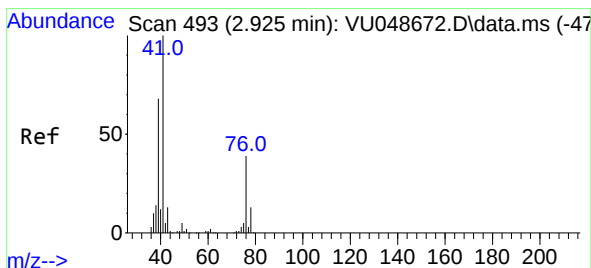
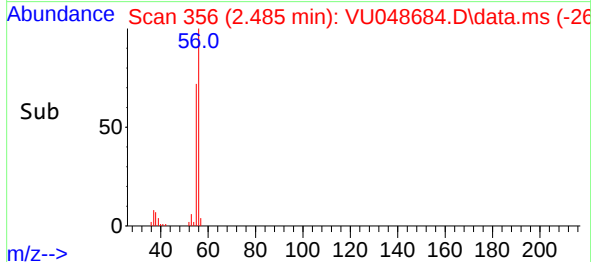
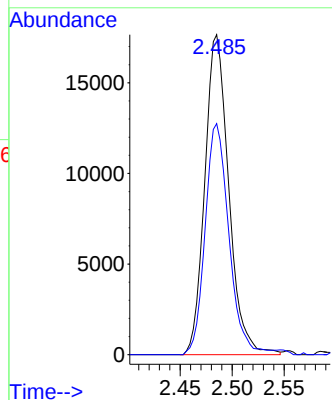
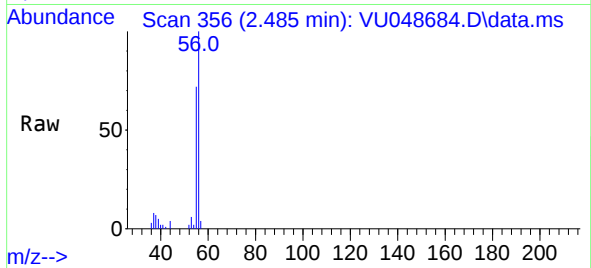




#13  
Acrolein  
Concen: 84.197 ug/l  
RT: 2.485 min Scan# 357  
Delta R.T. -0.003 min  
Lab File: VU048684.D  
Acq: 27 May 2022 11:33

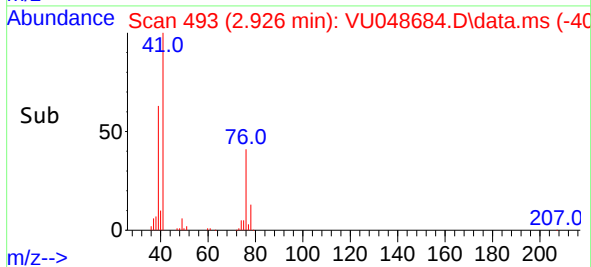
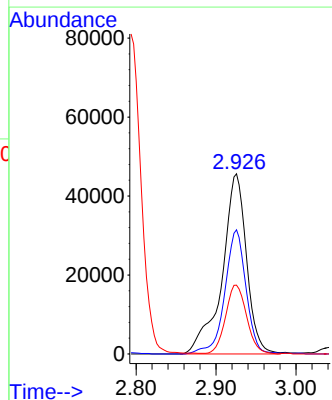
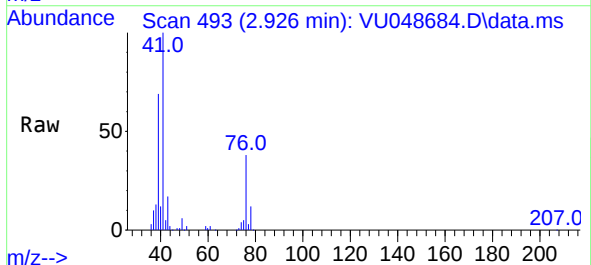
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0527WBS01

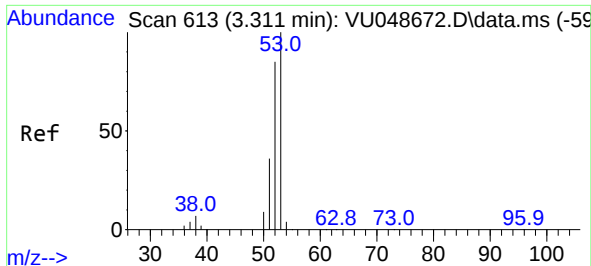
Tgt Ion: 56 Resp: 28245  
Ion Ratio Lower Upper  
56 100  
55 71.5 57.7 86.5



#14  
Allyl chloride  
Concen: 19.113 ug/l  
RT: 2.926 min Scan# 493  
Delta R.T. 0.000 min  
Lab File: VU048684.D  
Acq: 27 May 2022 11:33

Tgt Ion: 41 Resp: 96929  
Ion Ratio Lower Upper  
41 100  
39 59.8 48.6 72.8  
76 33.0 27.0 40.4

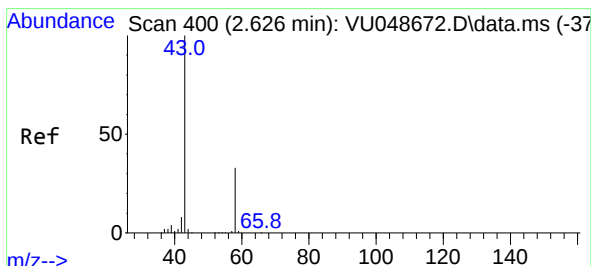
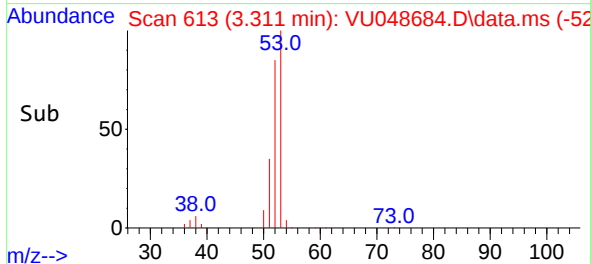
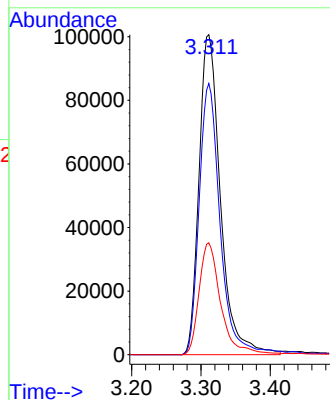
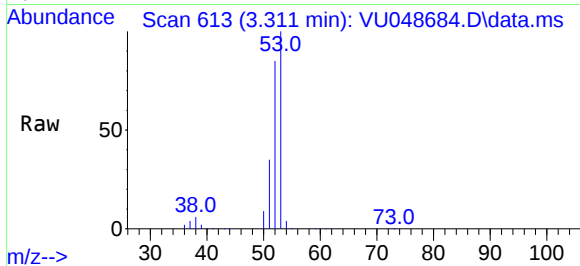




#15  
Acrylonitrile  
Concen: 101.933 ug/l  
RT: 3.311 min Scan# 613  
Delta R.T. 0.000 min  
Lab File: VU048684.D  
Acq: 27 May 2022 11:33

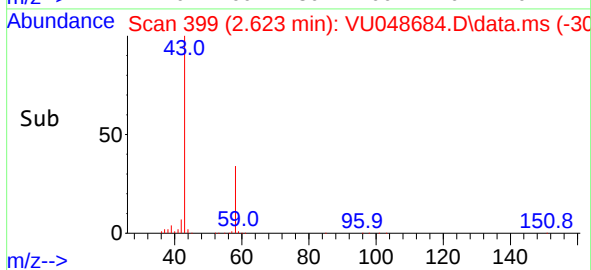
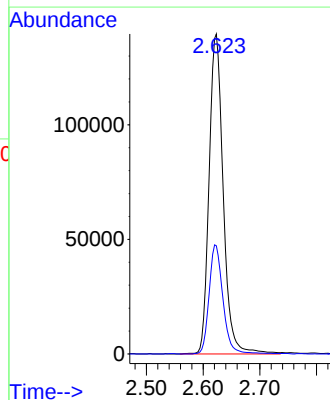
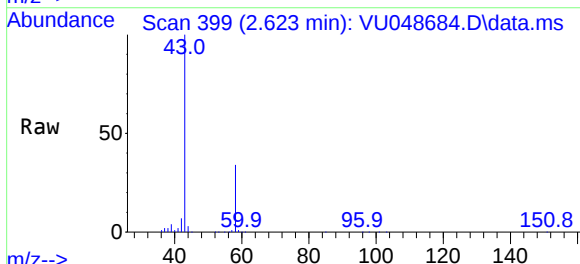
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0527WBS01

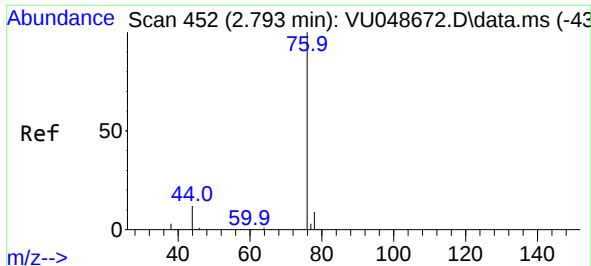
Tgt Ion: 53 Resp: 216545  
Ion Ratio Lower Upper  
53 100  
52 82.8 66.3 99.5  
51 35.5 28.6 42.8



#16  
Acetone  
Concen: 123.209 ug/l  
RT: 2.623 min Scan# 399  
Delta R.T. -0.003 min  
Lab File: VU048684.D  
Acq: 27 May 2022 11:33

Tgt Ion: 43 Resp: 242593  
Ion Ratio Lower Upper  
43 100  
58 33.8 26.3 39.5

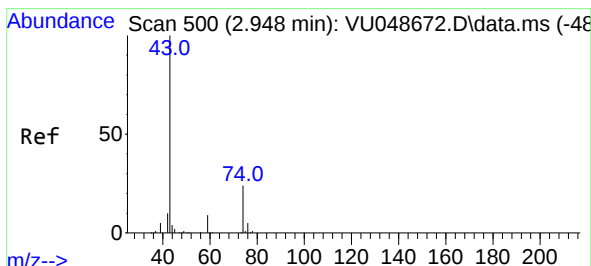
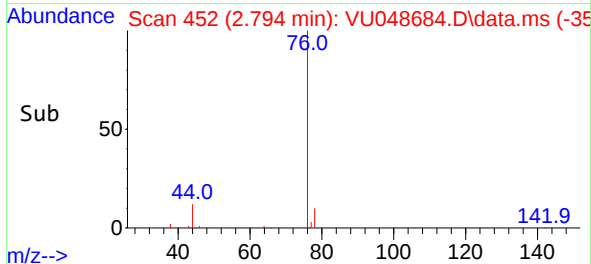
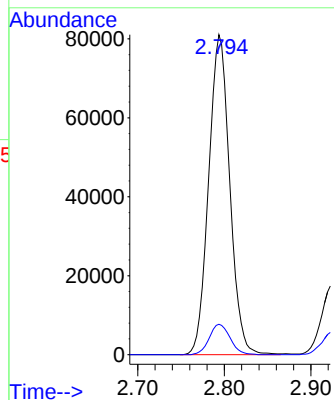
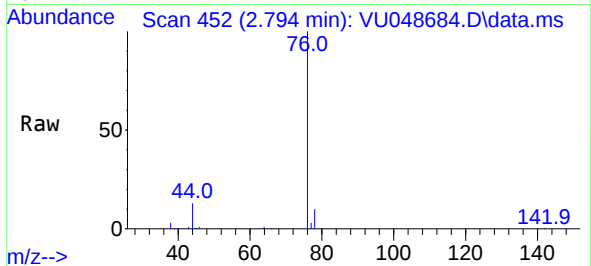




#17  
Carbon Disulfide  
Concen: 17.941 ug/l  
RT: 2.794 min Scan# 411  
Delta R.T. 0.000 min  
Lab File: VU048684.D  
Acq: 27 May 2022 11:33

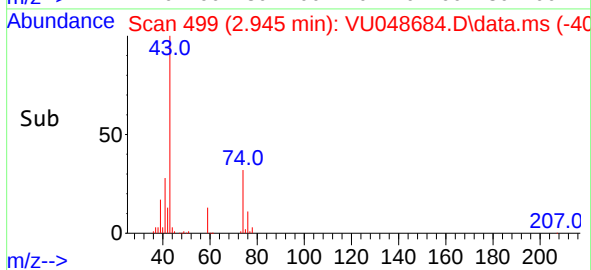
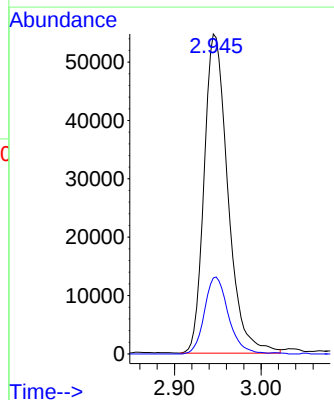
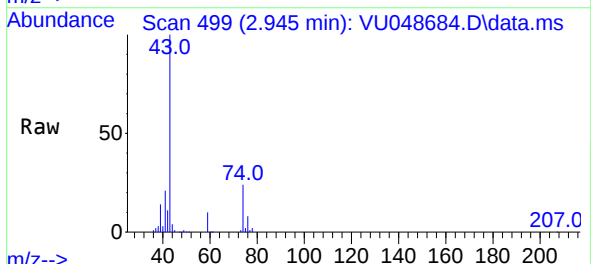
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0527WBS01

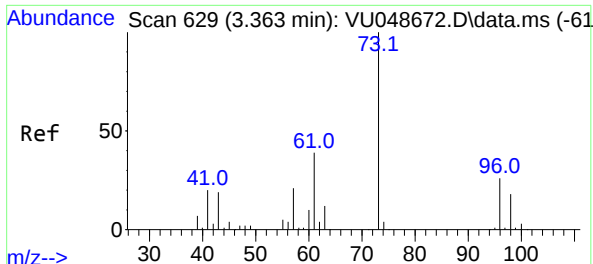
Tgt Ion: 76 Resp: 137137  
Ion Ratio Lower Upper  
76 100  
78 9.5 7.3 10.9



#18  
Methyl Acetate  
Concen: 21.088 ug/l  
RT: 2.945 min Scan# 499  
Delta R.T. -0.003 min  
Lab File: VU048684.D  
Acq: 27 May 2022 11:33

Tgt Ion: 43 Resp: 104252  
Ion Ratio Lower Upper  
43 100  
74 24.3 19.2 28.8





#19

Methyl tert-butyl Ether

Concen: 19.086 ug/l

RT: 3.363 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU048684.D

Acq: 27 May 2022 11:33

Instrument :

MSVOA\_U

ClientSampleId :

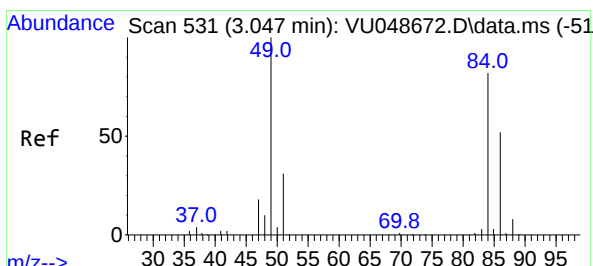
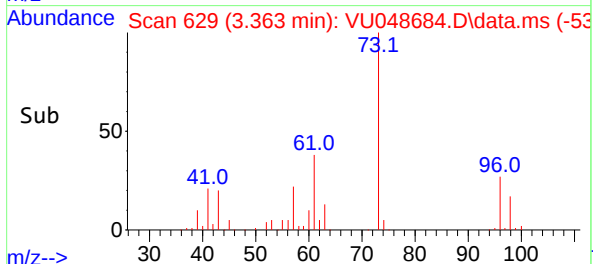
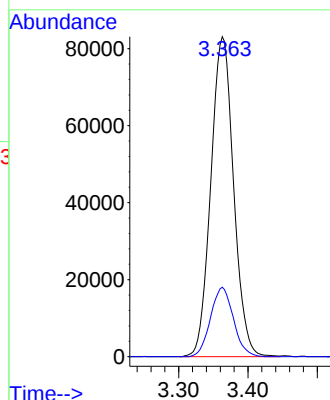
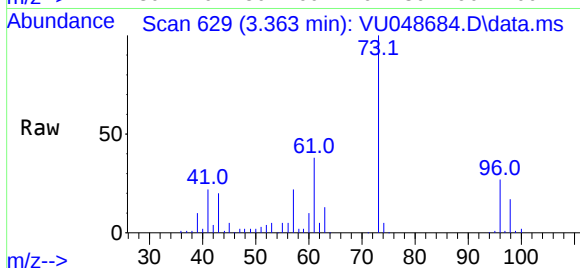
VU0527WBS01

Tgt Ion: 73 Resp: 189619

Ion Ratio Lower Upper

73 100

57 21.7 17.1 25.7



#20

Methylene Chloride

Concen: 21.460 ug/l

RT: 3.045 min Scan# 530

Delta R.T. -0.003 min

Lab File: VU048684.D

Acq: 27 May 2022 11:33

Tgt Ion: 84 Resp: 71854

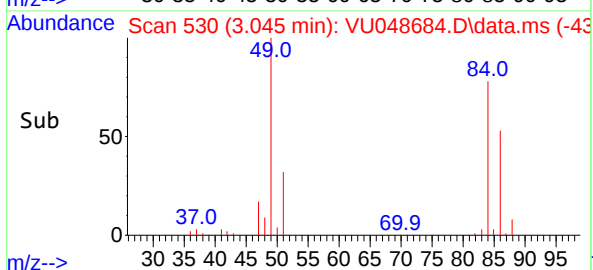
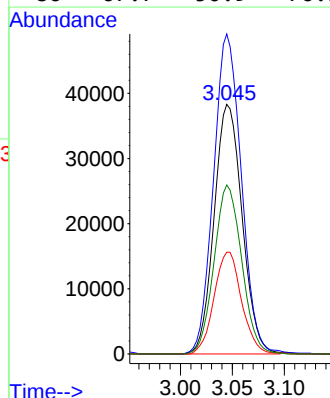
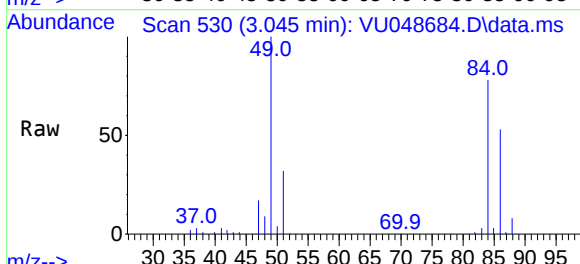
Ion Ratio Lower Upper

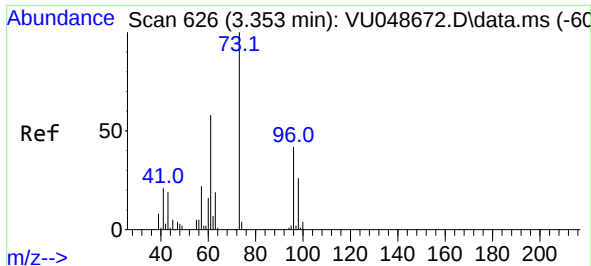
84 100

49 128.2 97.0 145.4

51 40.8 29.8 44.8

86 67.7 50.9 76.3

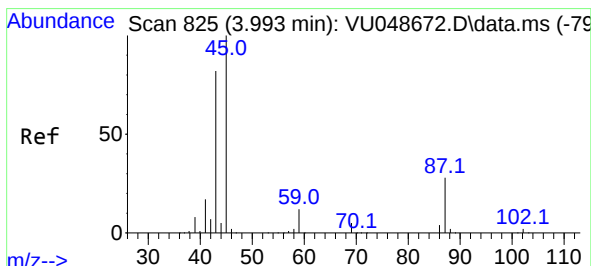
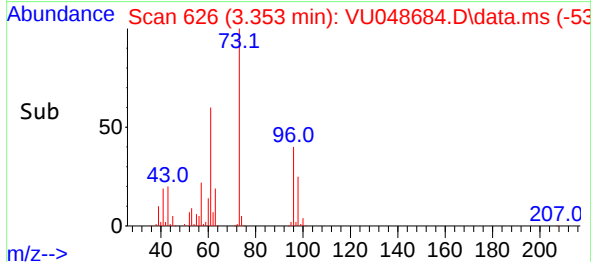
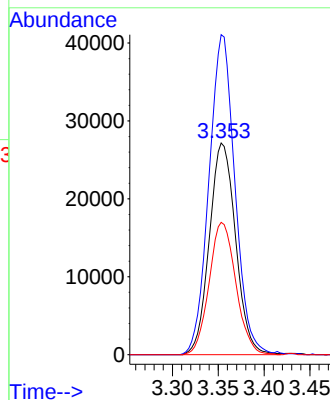
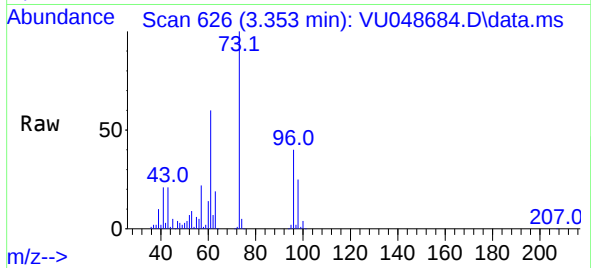




#21  
trans-1,2-Dichloroethene  
Concen: 18.066 ug/l  
RT: 3.353 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VU048684.D  
Acq: 27 May 2022 11:33

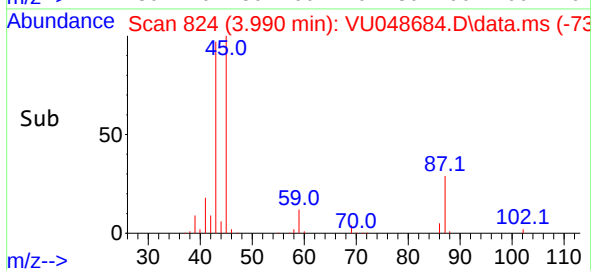
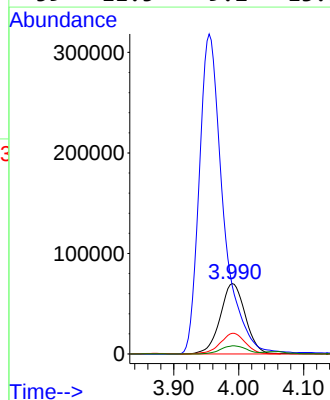
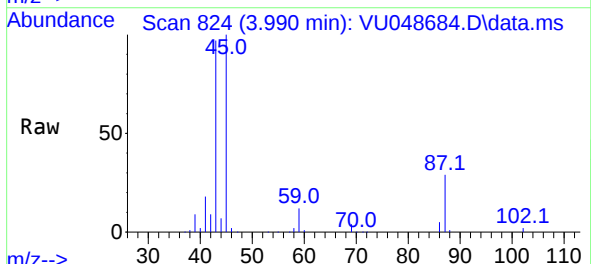
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0527WBS01

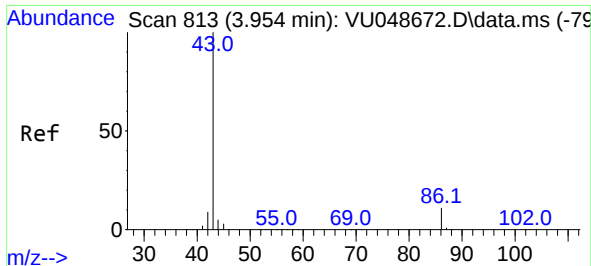
Tgt Ion: 96 Resp: 54110  
Ion Ratio Lower Upper  
96 100  
61 151.1 109.4 164.2  
98 62.5 48.9 73.3



#22  
Diisopropyl ether  
Concen: 20.053 ug/l  
RT: 3.990 min Scan# 824  
Delta R.T. -0.003 min  
Lab File: VU048684.D  
Acq: 27 May 2022 11:33

Tgt Ion: 45 Resp: 187590  
Ion Ratio Lower Upper  
45 100  
43 96.7 65.2 97.8  
87 29.3 22.7 34.1  
59 11.5 9.2 13.8

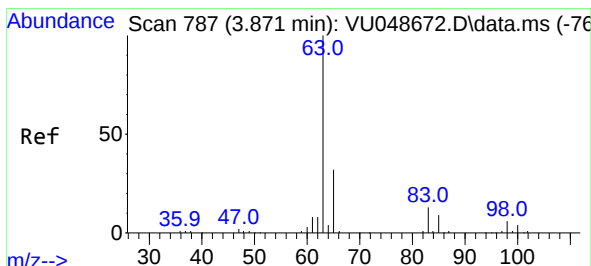
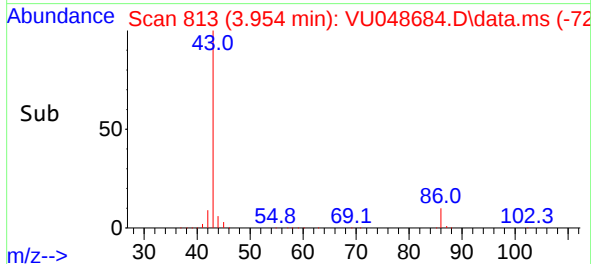
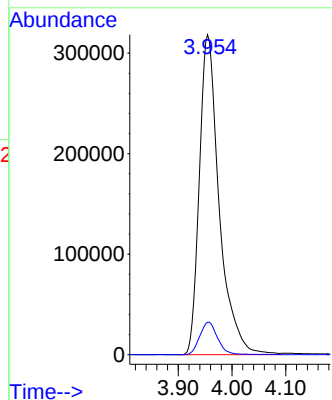
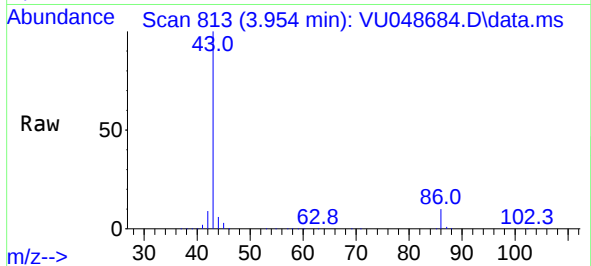




#23  
 Vinyl Acetate  
 Concen: 100.884 ug/l  
 RT: 3.954 min Scan# 813  
 Delta R.T. 0.000 min  
 Lab File: VU048684.D  
 Acq: 27 May 2022 11:33

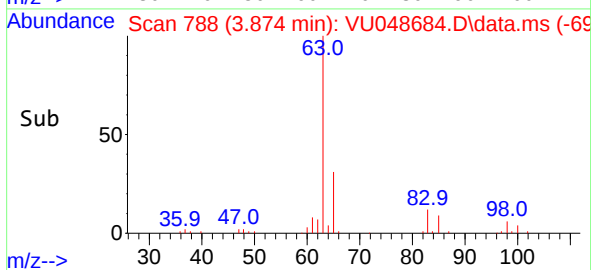
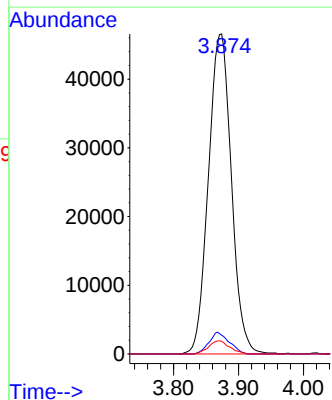
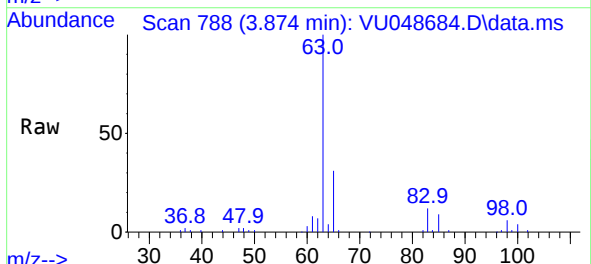
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0527WBS01

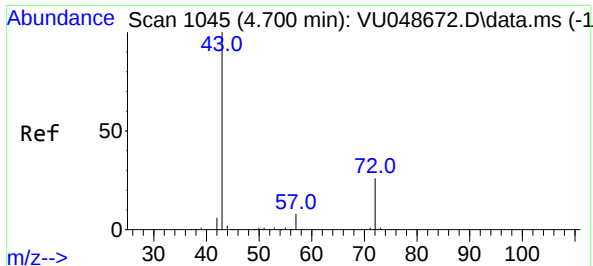
Tgt Ion: 43 Resp: 817670  
 Ion Ratio Lower Upper  
 43 100  
 86 10.2 8.4 12.6



#24  
 1,1-Dichloroethane  
 Concen: 19.463 ug/l  
 RT: 3.874 min Scan# 788  
 Delta R.T. 0.004 min  
 Lab File: VU048684.D  
 Acq: 27 May 2022 11:33

Tgt Ion: 63 Resp: 114352  
 Ion Ratio Lower Upper  
 63 100  
 98 5.9 3.1 9.3  
 100 4.0 2.0 5.8

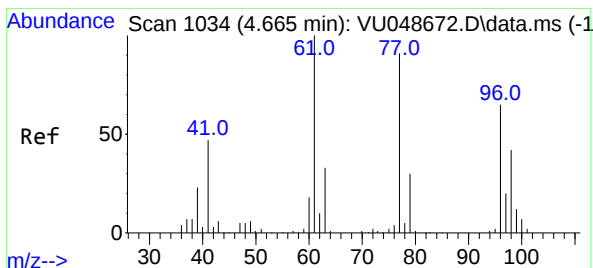
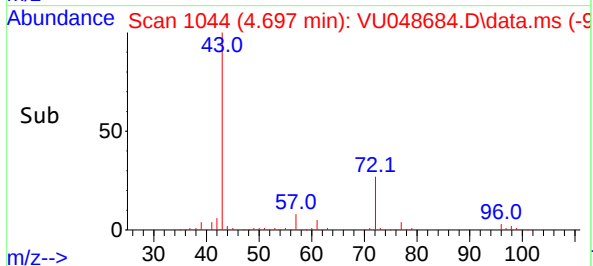
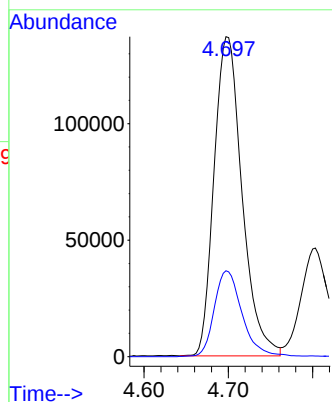
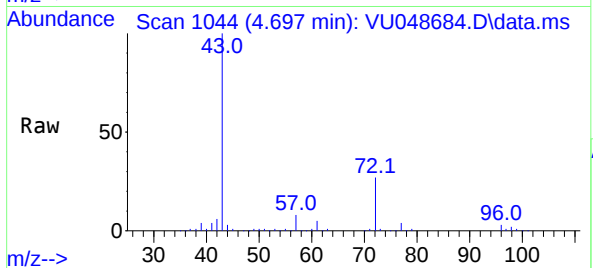




#25  
2-Butanone  
Concen: 111.587 ug/l  
RT: 4.697 min Scan# 1044  
Delta R.T. -0.003 min  
Lab File: VU048684.D  
Acq: 27 May 2022 11:33

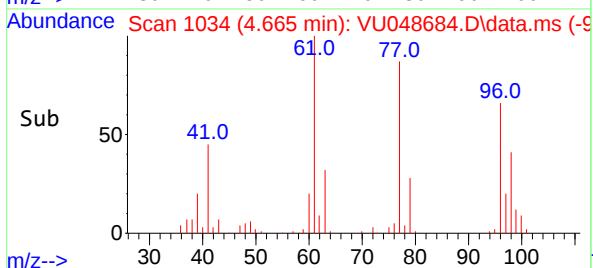
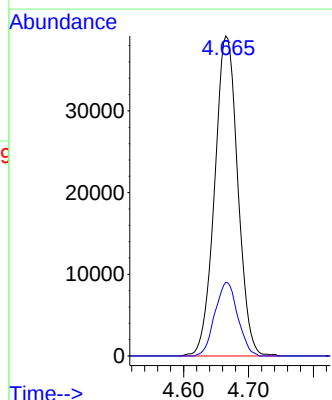
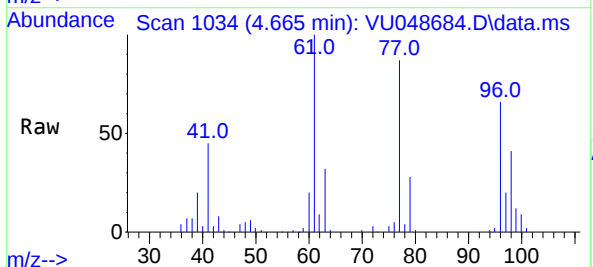
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0527WBS01

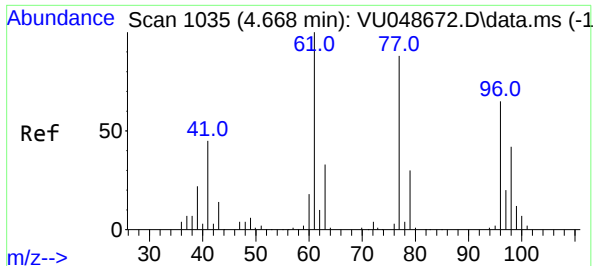
Tgt Ion: 43 Resp: 315634  
Ion Ratio Lower Upper  
43 100  
72 26.8 21.1 31.7



#26  
2,2-Dichloropropane  
Concen: 18.348 ug/l  
RT: 4.665 min Scan# 1034  
Delta R.T. 0.000 min  
Lab File: VU048684.D  
Acq: 27 May 2022 11:33

Tgt Ion: 77 Resp: 96711  
Ion Ratio Lower Upper  
77 100  
97 22.7 11.1 33.1

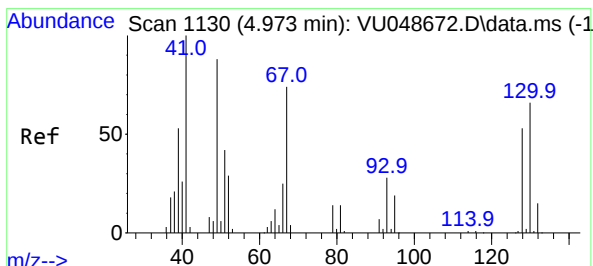
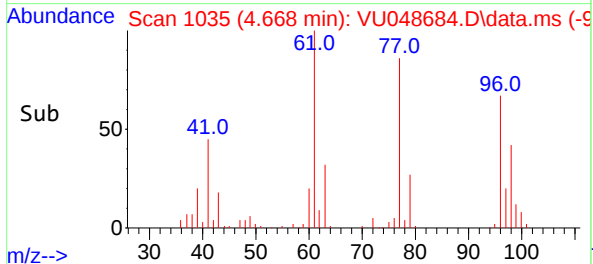
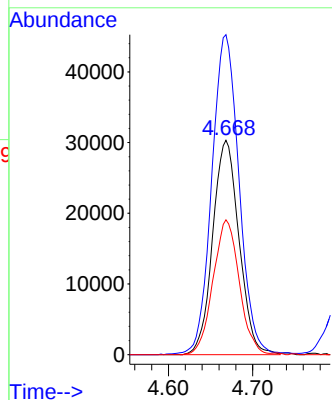
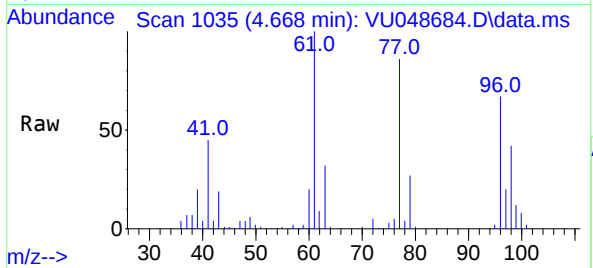




#27  
 cis-1,2-Dichloroethene  
 Concen: 18.990 ug/l  
 RT: 4.668 min Scan# 1035  
 Delta R.T. 0.000 min  
 Lab File: VU048684.D  
 Acq: 27 May 2022 11:33

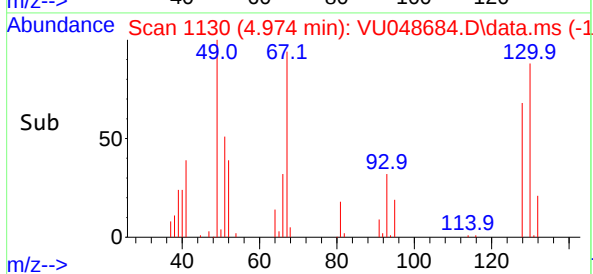
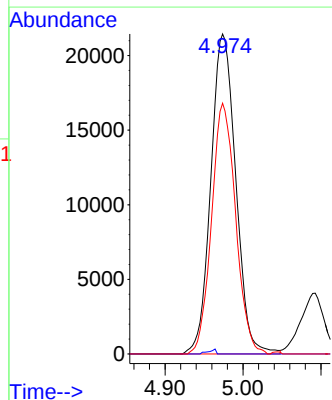
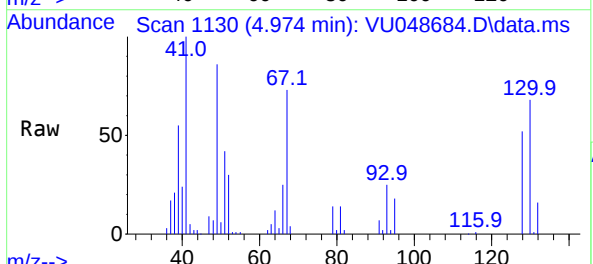
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0527WBS01

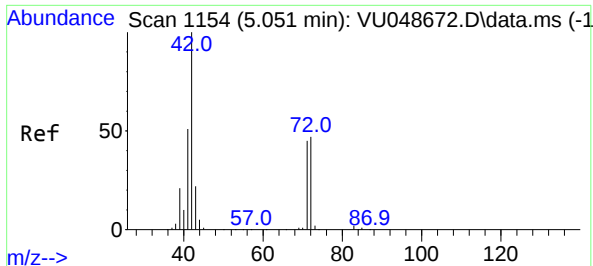
Tgt Ion: 96 Resp: 65834  
 Ion Ratio Lower Upper  
 96 100  
 61 154.9 0.0 306.2  
 98 62.6 0.0 130.4



#28  
 Bromochloromethane  
 Concen: 20.696 ug/l  
 RT: 4.974 min Scan# 1130  
 Delta R.T. 0.000 min  
 Lab File: VU048684.D  
 Acq: 27 May 2022 11:33

Tgt Ion: 49 Resp: 47695  
 Ion Ratio Lower Upper  
 49 100  
 129 0.4 0.0 4.0  
 130 75.6 62.1 93.1

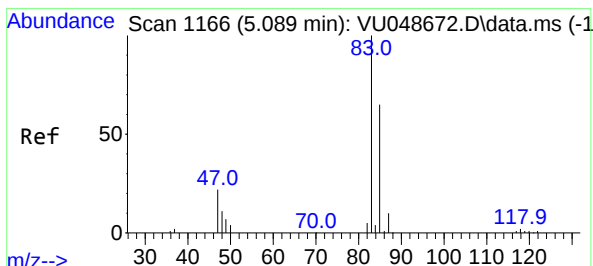
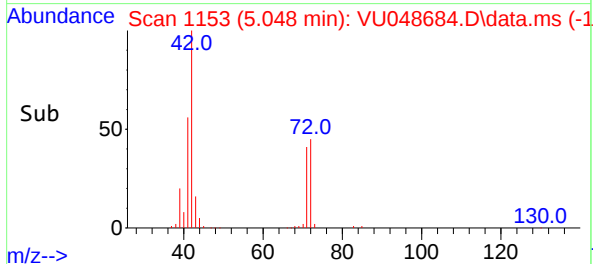
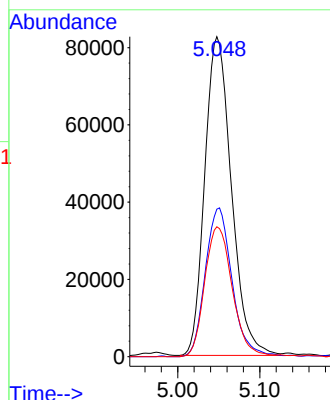
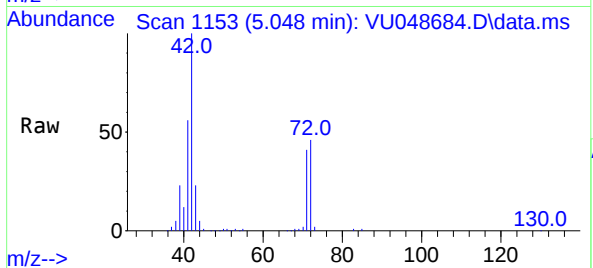




#29  
Tetrahydrofuran  
Concen: 104.763 ug/l  
RT: 5.048 min Scan# 1153  
Delta R.T. -0.003 min  
Lab File: VU048684.D  
Acq: 27 May 2022 11:33

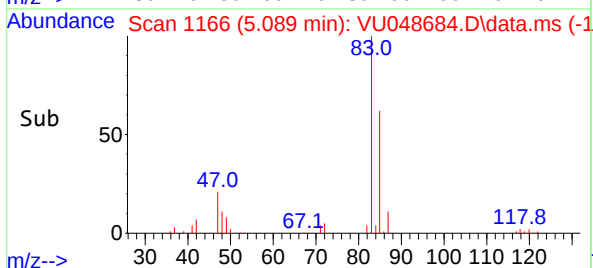
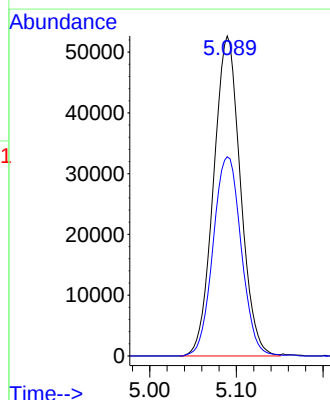
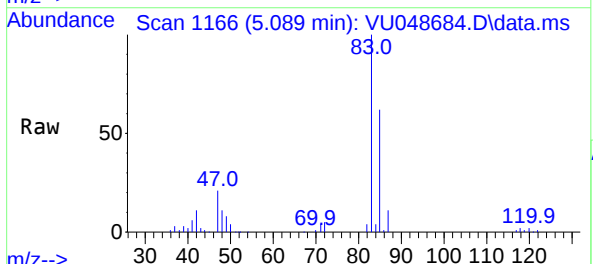
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0527WBS01

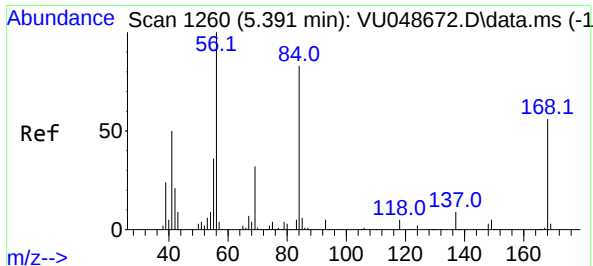
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 42    | Resp: | 186657 |
| Ion      | Ratio | Lower | Upper  |
| 42       | 100   |       |        |
| 72       | 46.8  | 37.6  | 56.4   |
| 71       | 42.4  | 35.0  | 52.4   |



#30  
Chloroform  
Concen: 19.327 ug/l  
RT: 5.089 min Scan# 1166  
Delta R.T. 0.000 min  
Lab File: VU048684.D  
Acq: 27 May 2022 11:33

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 83    | Resp: | 113616 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 62.3  | 52.2  | 78.2   |

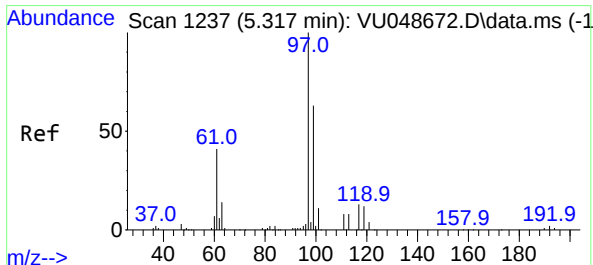
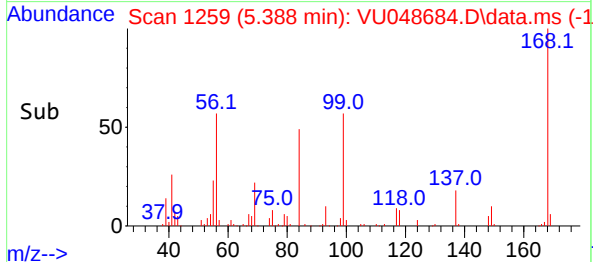
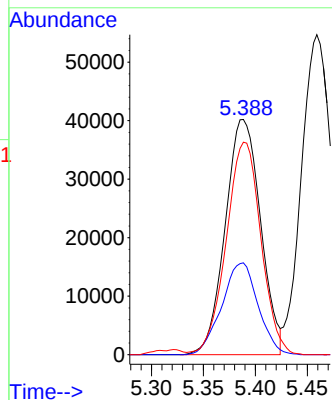
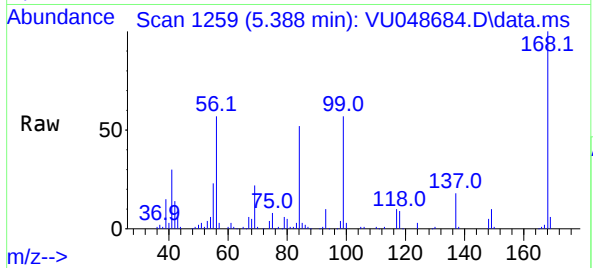




#31  
Cyclohexane  
Concen: 19.542 ug/l  
RT: 5.388 min Scan# 1259  
Delta R.T. -0.003 min  
Lab File: VU048684.D  
Acq: 27 May 2022 11:33

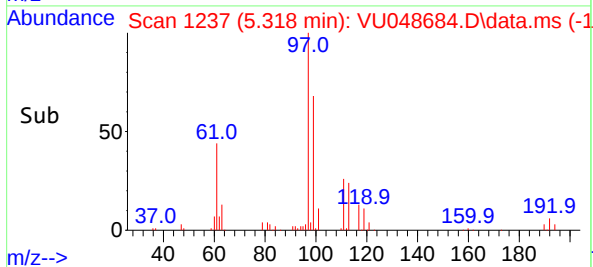
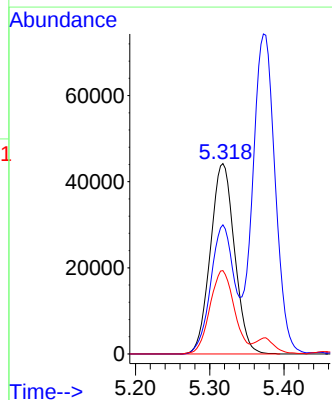
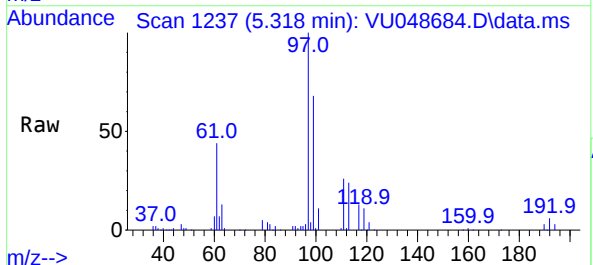
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0527WBS01

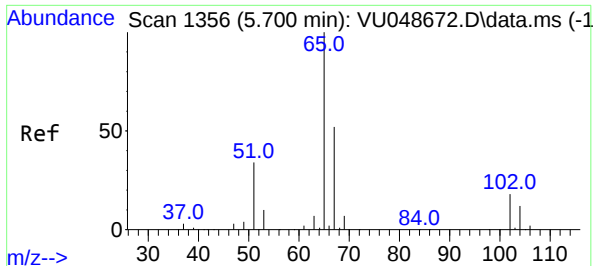
Tgt Ion: 56 Resp: 95150  
Ion Ratio Lower Upper  
56 100  
69 39.0 25.6 38.4#  
84 88.7 66.2 99.4



#32  
1,1,1-Trichloroethane  
Concen: 18.721 ug/l  
RT: 5.318 min Scan# 1237  
Delta R.T. 0.000 min  
Lab File: VU048684.D  
Acq: 27 May 2022 11:33

Tgt Ion: 97 Resp: 99847  
Ion Ratio Lower Upper  
97 100  
99 64.5 51.6 77.4  
61 44.2 34.5 51.7

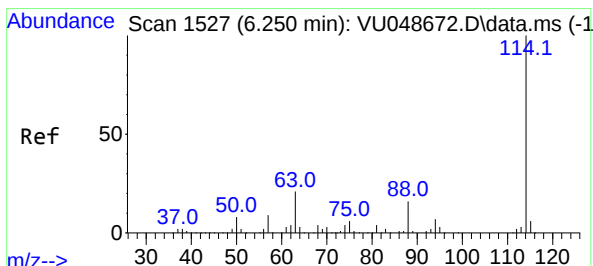
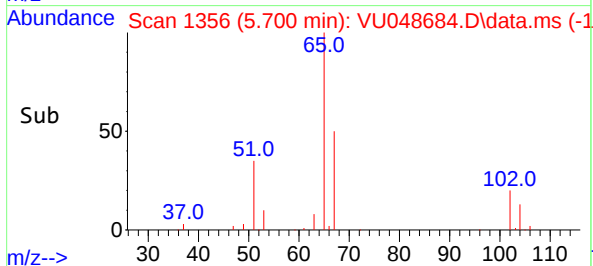
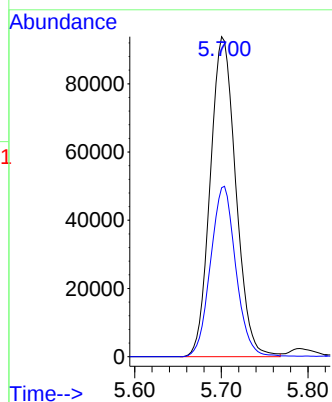
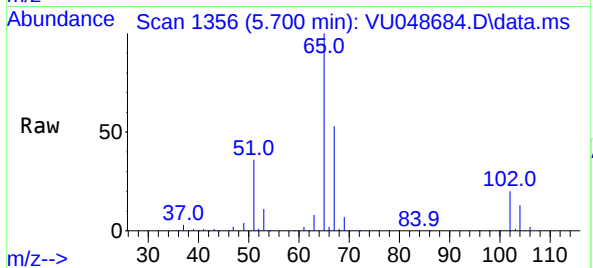




#33  
1,2-Dichloroethane-d4  
Concen: 49.756 ug/l  
RT: 5.700 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VU048684.D  
Acq: 27 May 2022 11:33

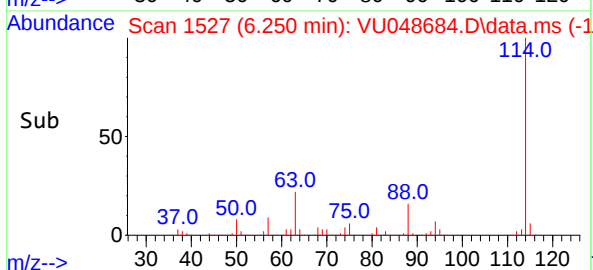
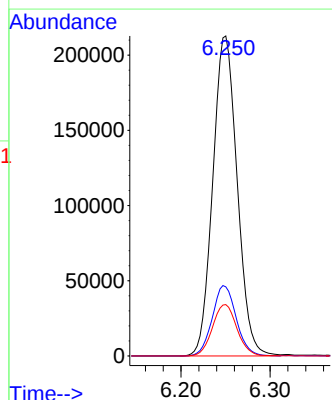
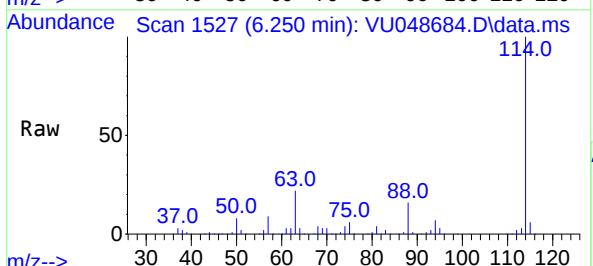
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0527WBS01

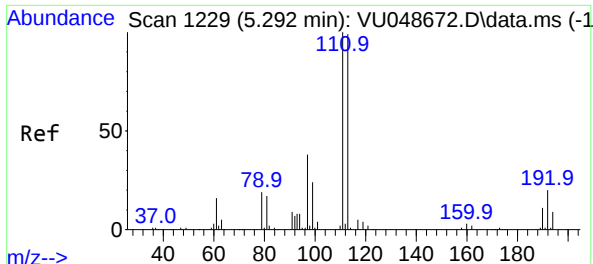
Tgt Ion: 65 Resp: 192236  
Ion Ratio Lower Upper  
65 100  
67 52.8 0.0 103.0



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.250 min Scan# 1527  
Delta R.T. 0.000 min  
Lab File: VU048684.D  
Acq: 27 May 2022 11:33

Tgt Ion: 114 Resp: 404385  
Ion Ratio Lower Upper  
114 100  
63 21.6 0.0 42.6  
88 16.0 0.0 32.2





#35

Dibromofluoromethane

Concen: 51.090 ug/l

RT: 5.289 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU048684.D

Acq: 27 May 2022 11:33

Instrument :

MSVOA\_U

ClientSampleId :

VU0527WBS01

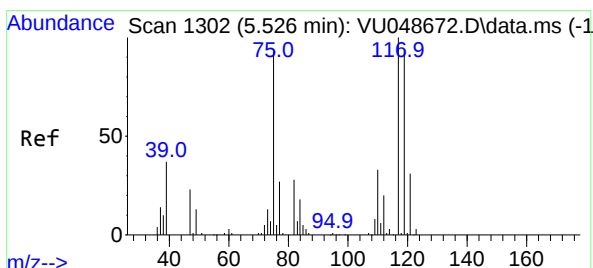
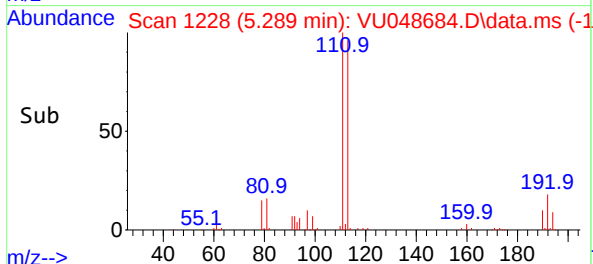
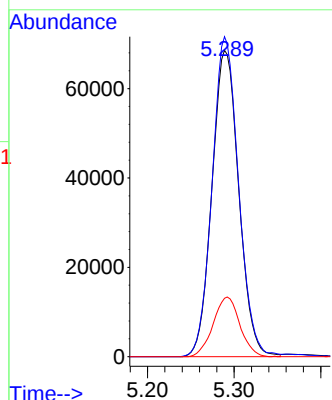
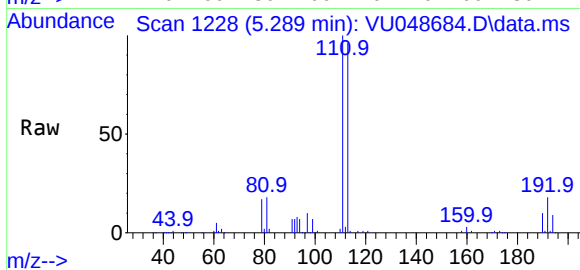
Tgt Ion:113 Resp: 147394

Ion Ratio Lower Upper

113 100

111 103.0 80.7 121.1

192 19.4 15.9 23.9



#36

1,1-Dichloropropene

Concen: 18.763 ug/l

RT: 5.527 min Scan# 1302

Delta R.T. 0.000 min

Lab File: VU048684.D

Acq: 27 May 2022 11:33

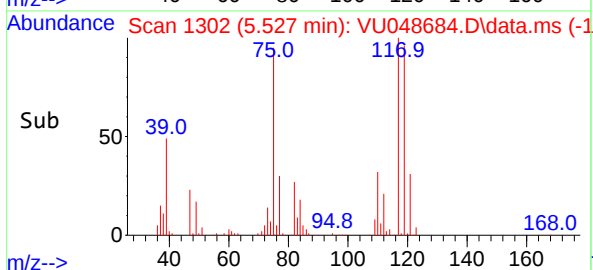
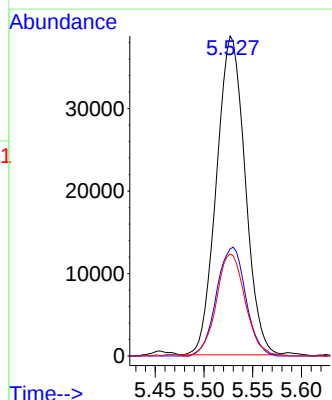
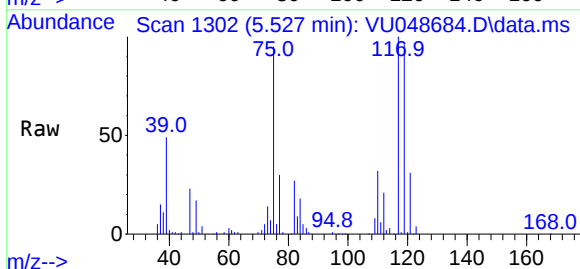
Tgt Ion: 75 Resp: 79003

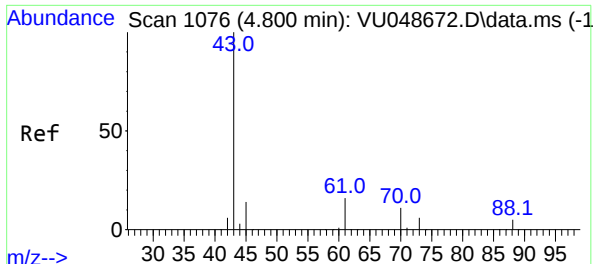
Ion Ratio Lower Upper

75 100

110 34.8 17.4 52.3

77 32.3 24.8 37.2

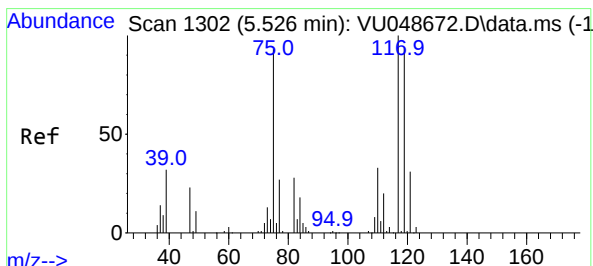
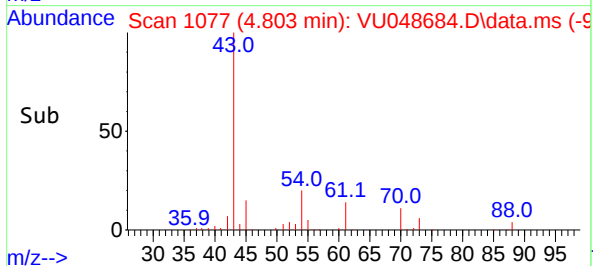
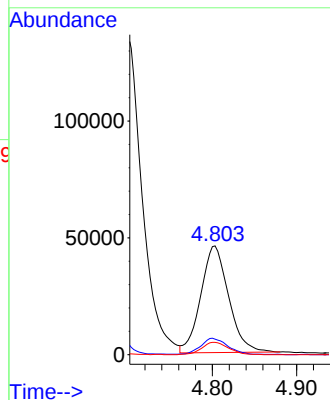
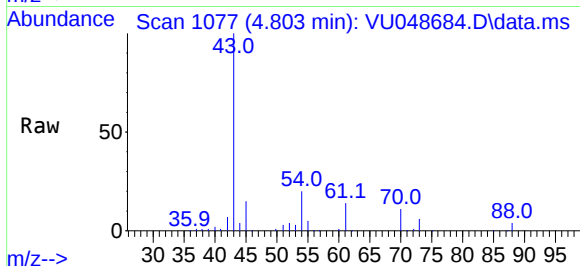




#37  
Ethyl Acetate  
Concen: 19.710 ug/l  
RT: 4.803 min Scan# 1077  
Delta R.T. 0.004 min  
Lab File: VU048684.D  
Acq: 27 May 2022 11:33

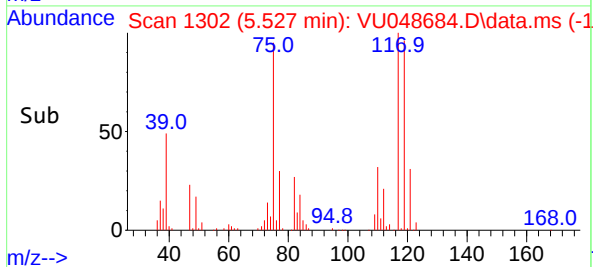
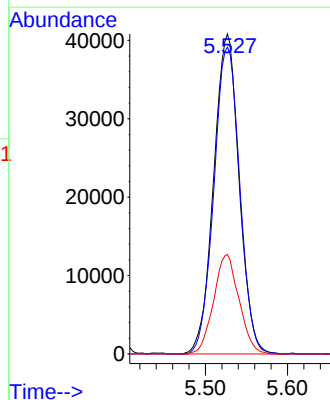
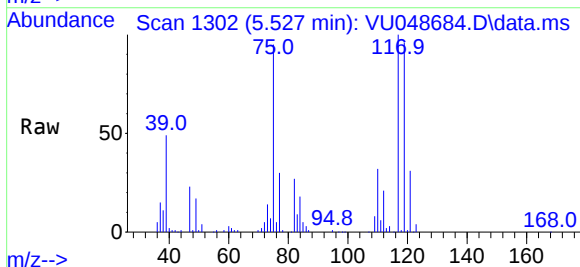
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0527WBS01

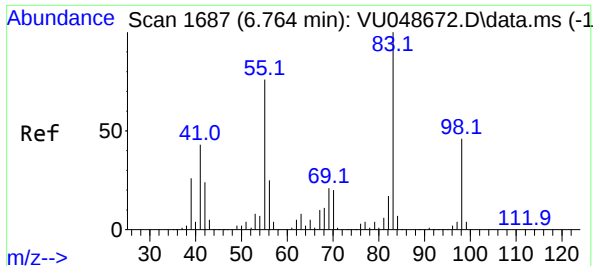
Tgt Ion: 43 Resp: 104916  
Ion Ratio Lower Upper  
43 100  
61 14.6 11.7 17.5  
70 11.2 8.4 12.6



#38  
Carbon Tetrachloride  
Concen: 18.199 ug/l  
RT: 5.527 min Scan# 1302  
Delta R.T. 0.000 min  
Lab File: VU048684.D  
Acq: 27 May 2022 11:33

Tgt Ion: 117 Resp: 87911  
Ion Ratio Lower Upper  
117 100  
119 95.9 75.4 113.2  
121 31.1 24.6 36.8





#39

Methylcyclohexane

Concen: 19.392 ug/l

RT: 6.765 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU048684.D

Acq: 27 May 2022 11:33

Instrument :

MSVOA\_U

ClientSampleId :

VU0527WBS01

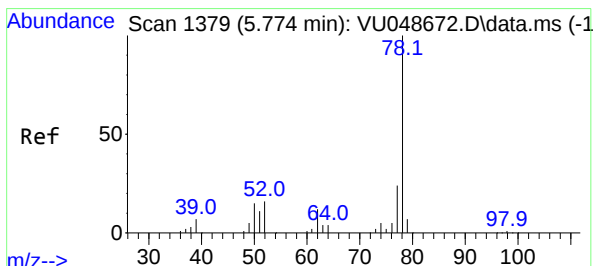
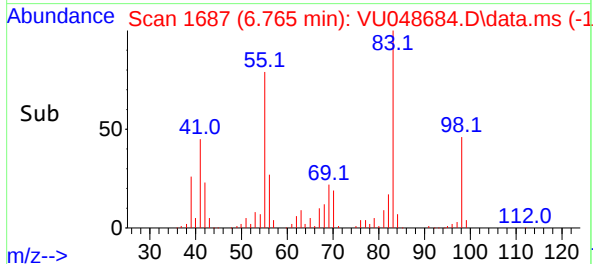
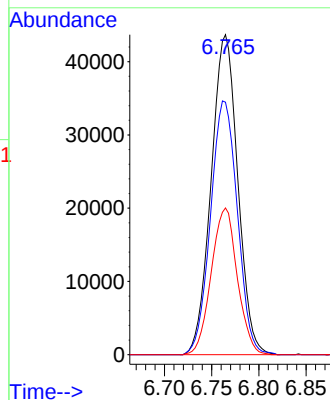
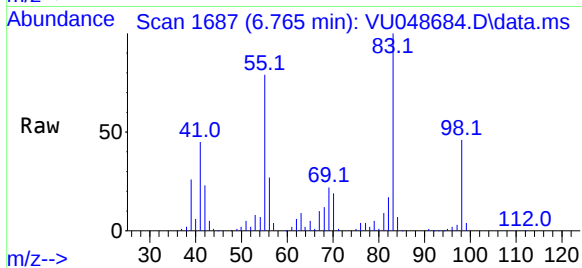
Tgt Ion: 83 Resp: 85613

Ion Ratio Lower Upper

83 100

55 78.9 61.0 91.6

98 45.8 36.8 55.2



#40

Benzene

Concen: 19.065 ug/l

RT: 5.774 min Scan# 1379

Delta R.T. 0.000 min

Lab File: VU048684.D

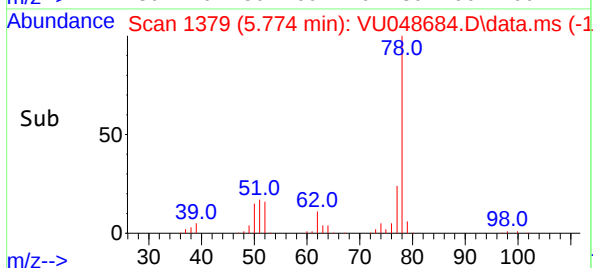
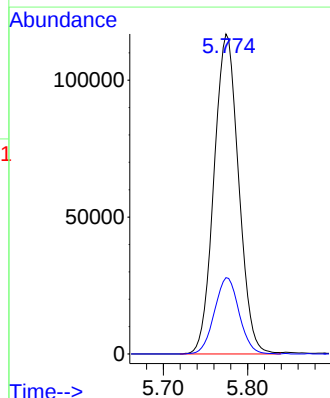
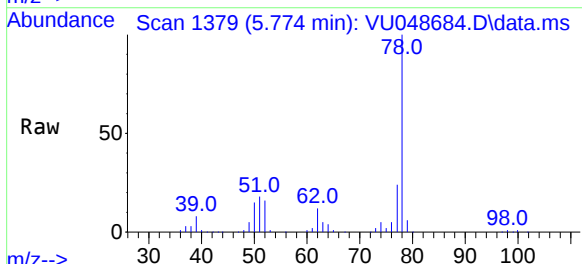
Acq: 27 May 2022 11:33

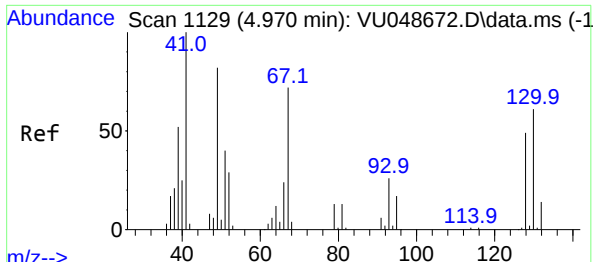
Tgt Ion: 78 Resp: 236992

Ion Ratio Lower Upper

78 100

77 23.9 19.0 28.6



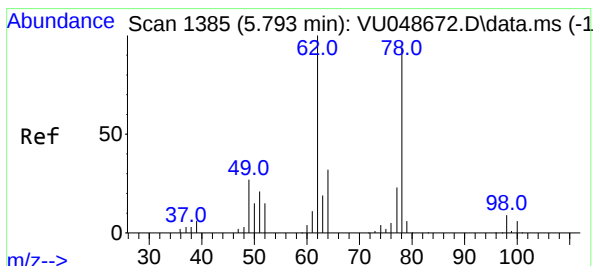
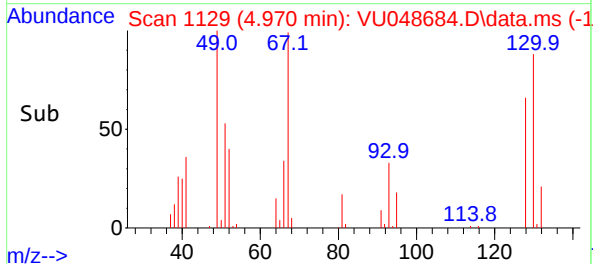
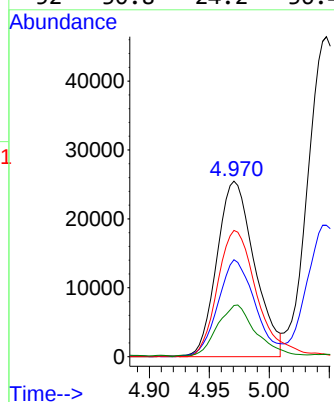
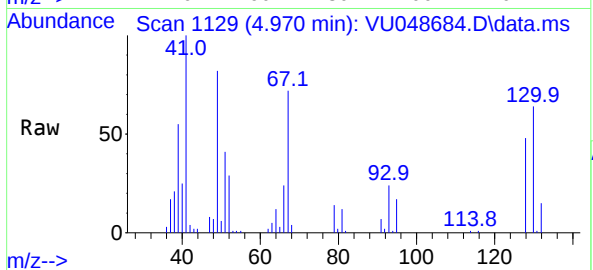


#41  
Methacrylonitrile  
Concen: 20.658 ug/l  
RT: 4.970 min Scan# 1129  
Delta R.T. 0.000 min  
Lab File: VU048684.D  
Acq: 27 May 2022 11:33

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0527WBS01

Tgt Ion: 41 Resp: 55566

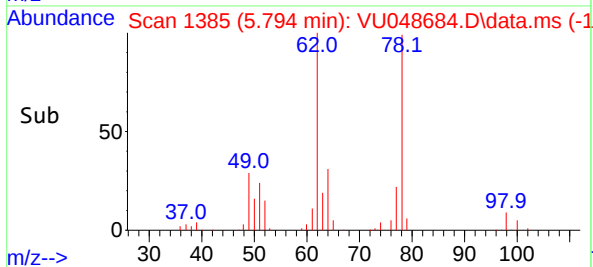
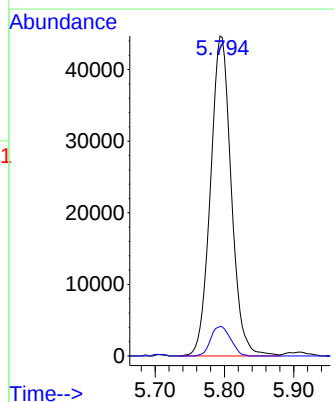
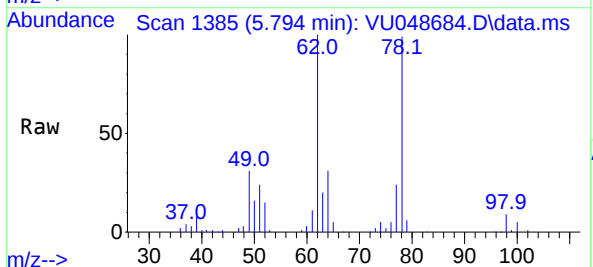
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 39  | 55.0  | 42.6  | 64.0  |
| 67  | 75.9  | 61.0  | 91.4  |
| 52  | 30.8  | 24.2  | 36.4  |

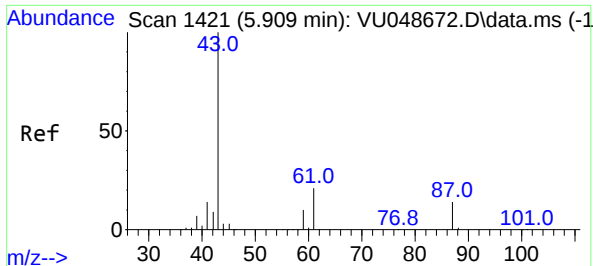


#42  
1,2-Dichloroethane  
Concen: 19.105 ug/l  
RT: 5.794 min Scan# 1385  
Delta R.T. 0.001 min  
Lab File: VU048684.D  
Acq: 27 May 2022 11:33

Tgt Ion: 62 Resp: 92964

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 62  | 100   |       |       |
| 98  | 8.8   | 0.0   | 17.0  |

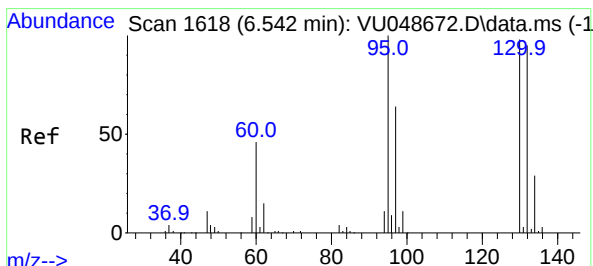
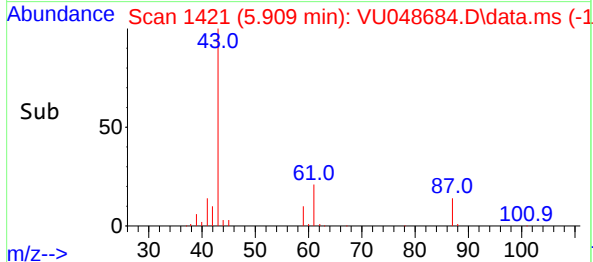
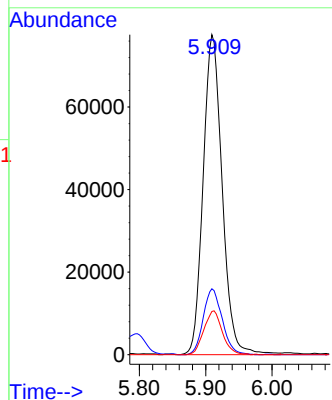
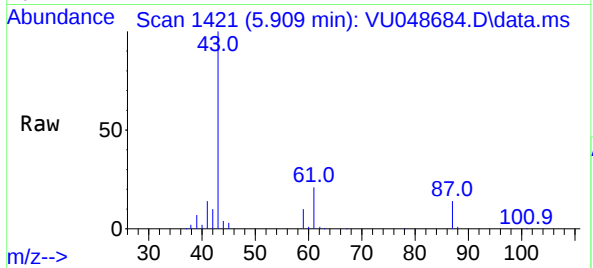




#43  
Isopropyl Acetate  
Concen: 20.006 ug/l  
RT: 5.909 min Scan# 1421  
Delta R.T. 0.000 min  
Lab File: VU048684.D  
Acq: 27 May 2022 11:33

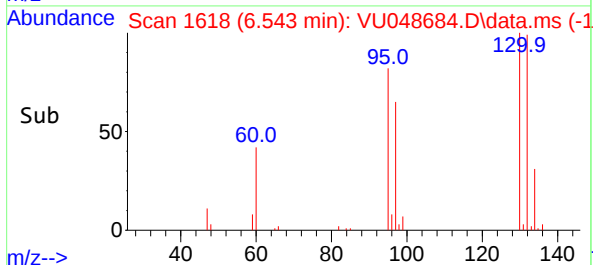
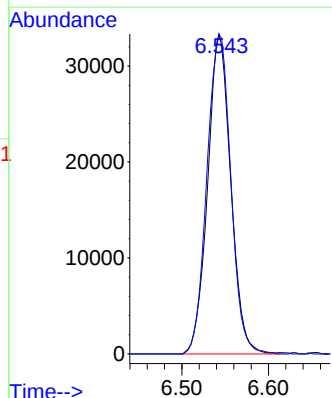
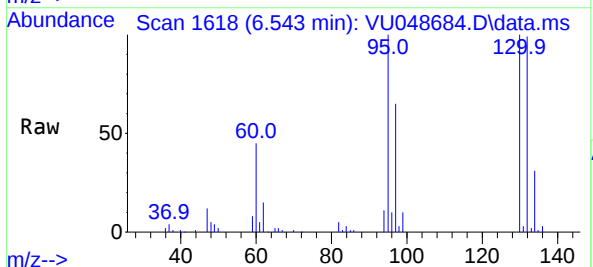
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0527WBS01

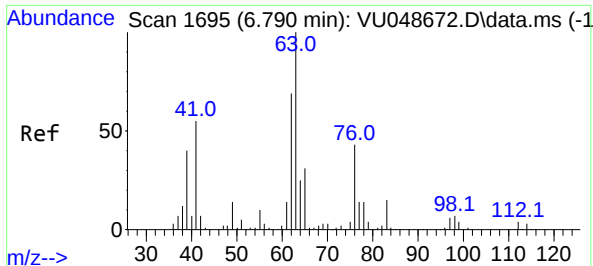
Tgt Ion: 43 Resp: 154560  
Ion Ratio Lower Upper  
43 100  
61 20.5 16.7 25.1  
87 13.4 10.9 16.3



#44  
Trichloroethene  
Concen: 19.304 ug/l  
RT: 6.543 min Scan# 1618  
Delta R.T. 0.000 min  
Lab File: VU048684.D  
Acq: 27 May 2022 11:33

Tgt Ion:130 Resp: 61823  
Ion Ratio Lower Upper  
130 100  
95 99.8 0.0 204.8

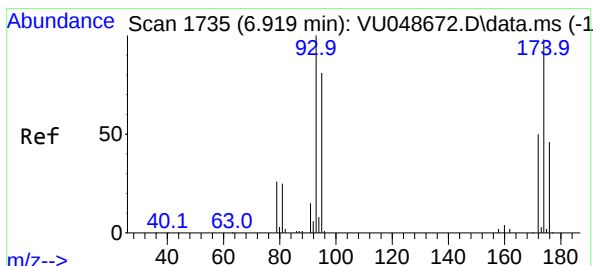
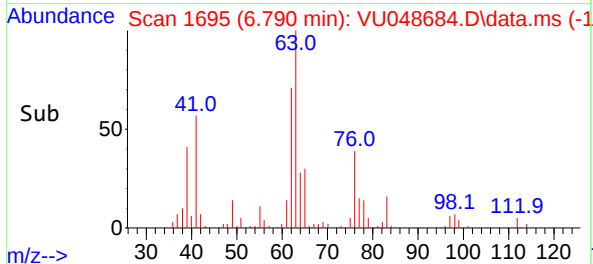
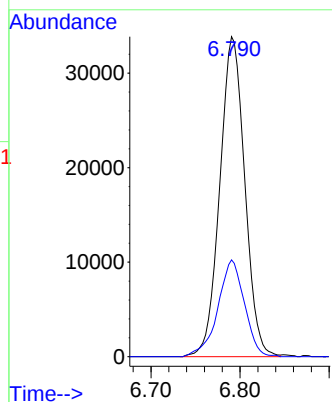
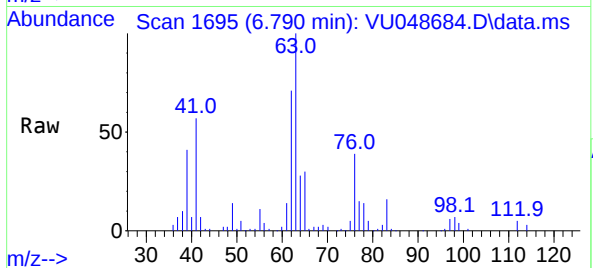




#45  
1,2-Dichloropropane  
Concen: 21.077 ug/l  
RT: 6.790 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VU048684.D  
Acq: 27 May 2022 11:33

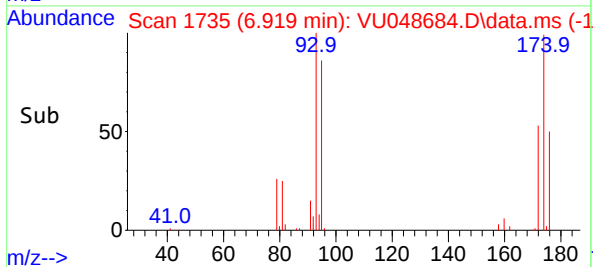
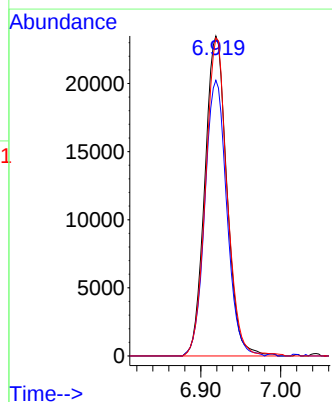
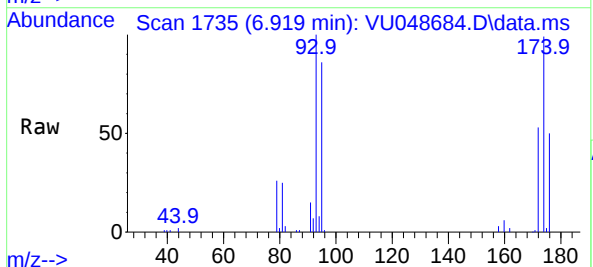
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0527WBS01

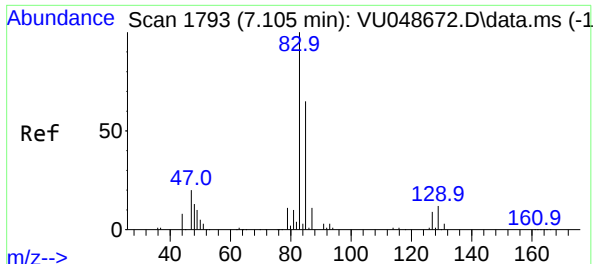
Tgt Ion: 63 Resp: 65960  
Ion Ratio Lower Upper  
63 100  
65 30.2 24.8 37.2



#46  
Dibromomethane  
Concen: 19.194 ug/l  
RT: 6.919 min Scan# 1735  
Delta R.T. 0.000 min  
Lab File: VU048684.D  
Acq: 27 May 2022 11:33

Tgt Ion: 93 Resp: 44877  
Ion Ratio Lower Upper  
93 100  
95 86.1 65.1 97.7  
174 96.4 77.8 116.6

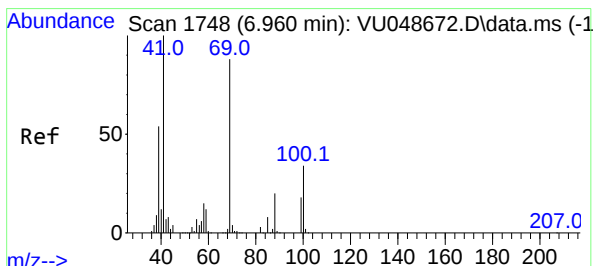
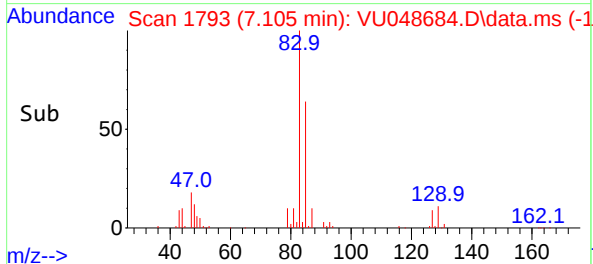
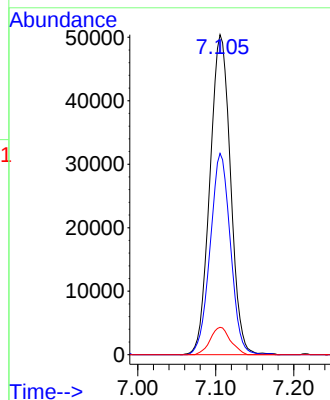
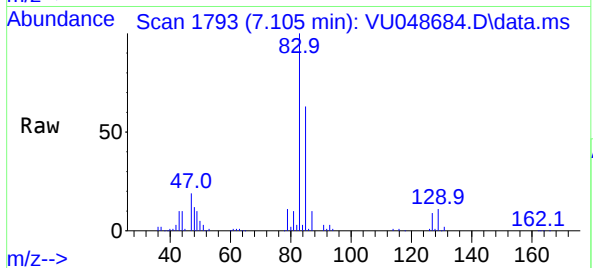




#47  
Bromodichloromethane  
Concen: 19.611 ug/l  
RT: 7.105 min Scan# 1793  
Delta R.T. 0.000 min  
Lab File: VU048684.D  
Acq: 27 May 2022 11:33

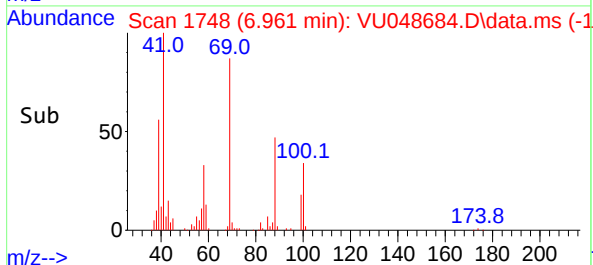
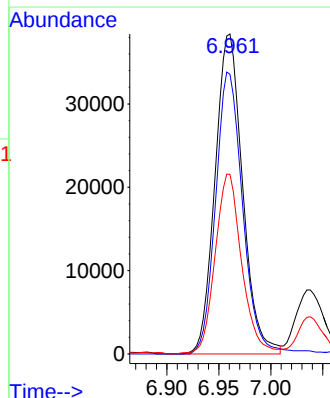
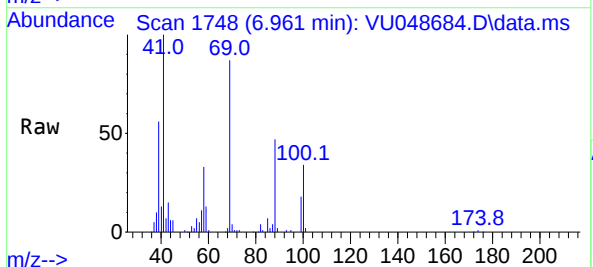
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0527WBS01

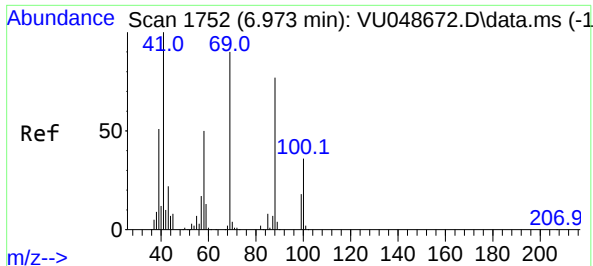
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 92726 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 62.9  | 52.1  | 78.1  |
| 127      | 8.6   | 6.9   | 10.3  |



#48  
Methyl methacrylate  
Concen: 20.427 ug/l  
RT: 6.961 min Scan# 1748  
Delta R.T. 0.000 min  
Lab File: VU048684.D  
Acq: 27 May 2022 11:33

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 70845 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 86.3  | 70.7  | 106.1 |
| 39       | 54.1  | 43.4  | 65.2  |

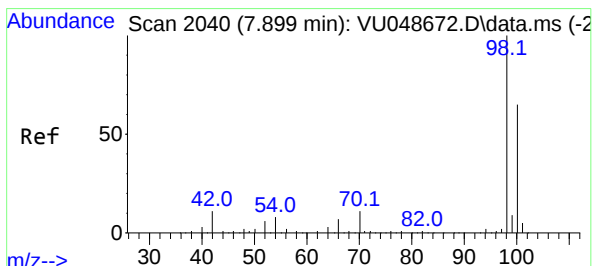
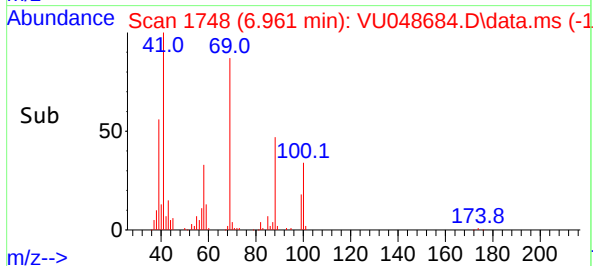
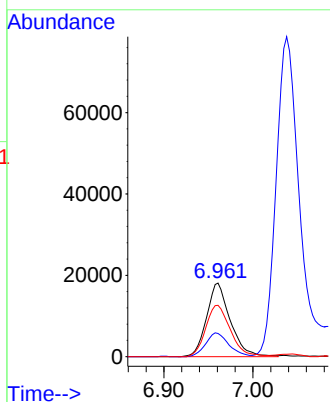
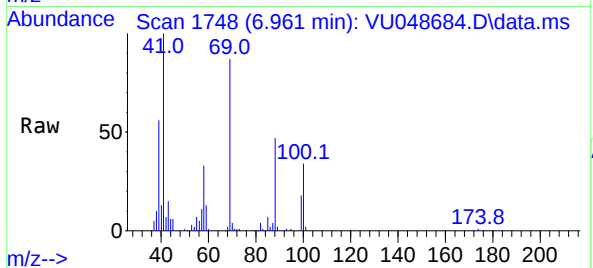




#49  
1,4-Dioxane  
Concen: 430.073 ug/l  
RT: 6.961 min Scan# 11  
Delta R.T. -0.013 min  
Lab File: VU048684.D  
Acq: 27 May 2022 11:33

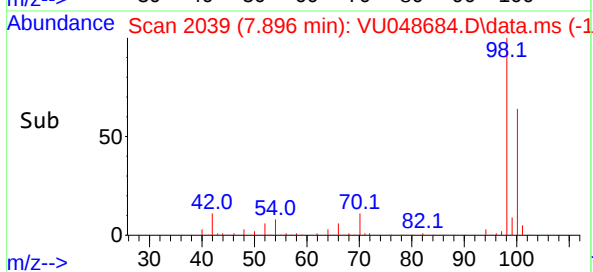
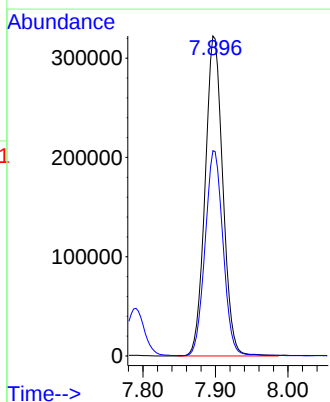
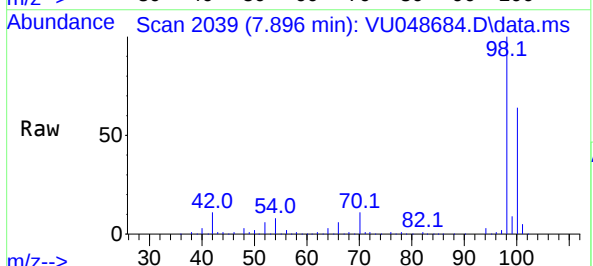
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0527WBS01

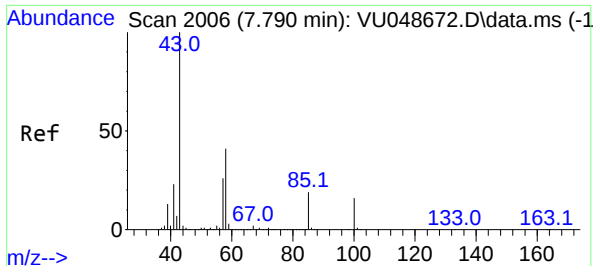
Tgt Ion: 88 Resp: 33344  
Ion Ratio Lower Upper  
88 100  
43 31.7 24.6 36.8  
58 72.8 54.7 82.1



#50  
Toluene-d8  
Concen: 52.936 ug/l  
RT: 7.896 min Scan# 2039  
Delta R.T. -0.003 min  
Lab File: VU048684.D  
Acq: 27 May 2022 11:33

Tgt Ion: 98 Resp: 547443  
Ion Ratio Lower Upper  
98 100  
100 64.8 52.2 78.4





#51

4-Methyl-2-Pentanone

Concen: 107.689 ug/l

RT: 7.790 min Scan# 2006

Delta R.T. 0.000 min

Lab File: VU048684.D

Acq: 27 May 2022 11:33

Instrument :

MSVOA\_U

ClientSampleId :

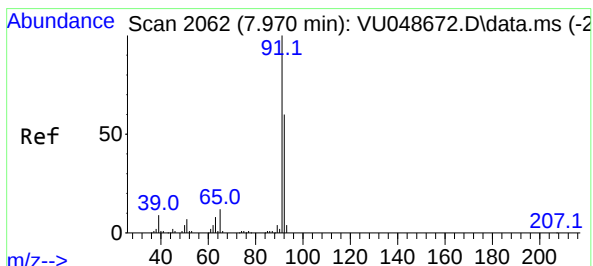
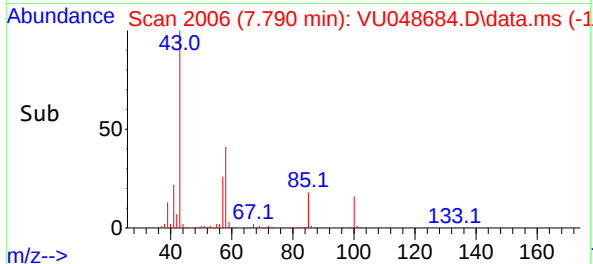
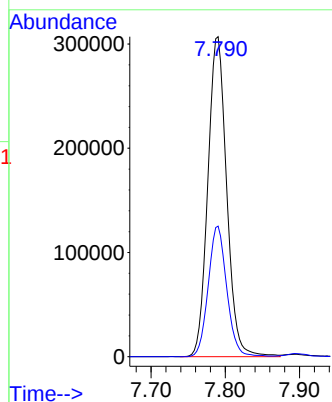
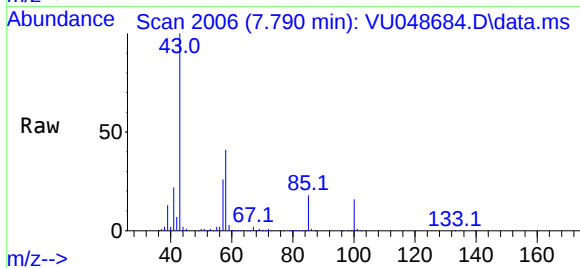
VU0527WBS01

Tgt Ion: 43 Resp: 540222

Ion Ratio Lower Upper

43 100

58 40.2 32.7 49.1



#52

Toluene

Concen: 20.318 ug/l

RT: 7.970 min Scan# 2062

Delta R.T. 0.000 min

Lab File: VU048684.D

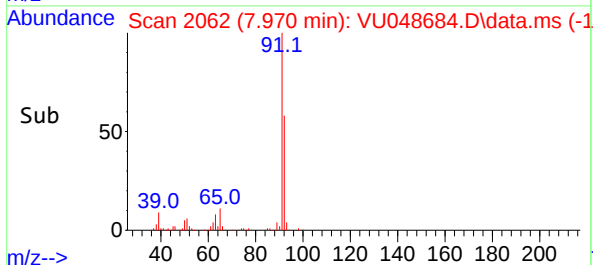
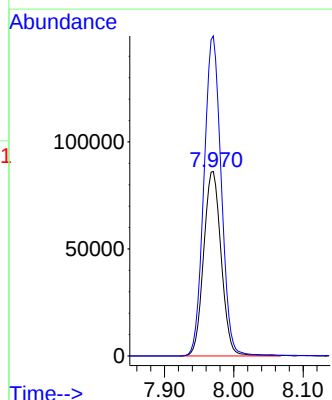
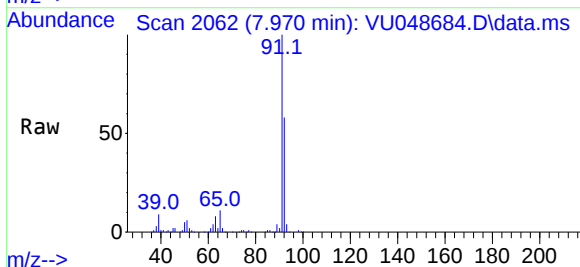
Acq: 27 May 2022 11:33

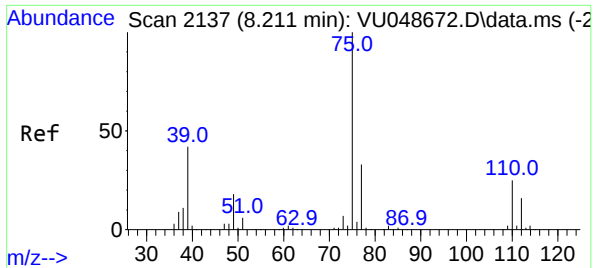
Tgt Ion: 92 Resp: 151074

Ion Ratio Lower Upper

92 100

91 171.2 135.0 202.4





#53

t-1,3-Dichloropropene

Concen: 19.659 ug/l

RT: 8.208 min Scan# 2136

Delta R.T. -0.003 min

Lab File: VU048684.D

Acq: 27 May 2022 11:33

Instrument :

MSVOA\_U

ClientSampleId :

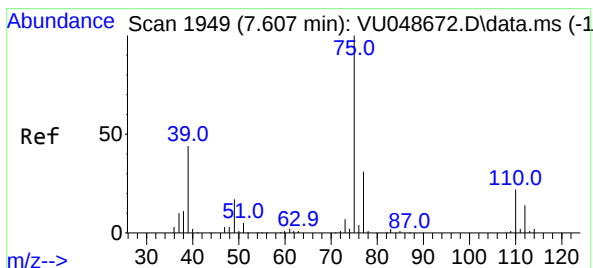
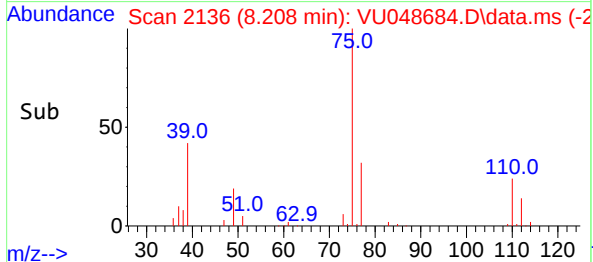
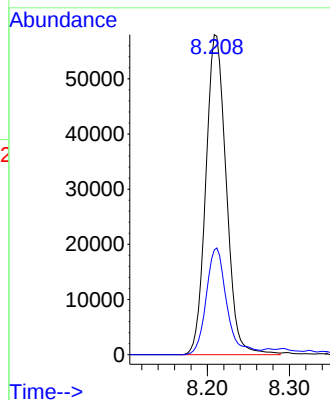
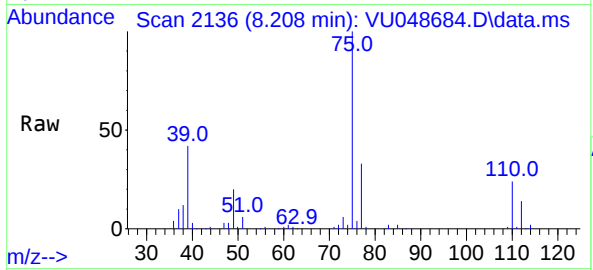
VU0527WBS01

Tgt Ion: 75 Resp: 100271

Ion Ratio Lower Upper

75 100

77 32.7 26.2 39.4



#54

cis-1,3-Dichloropropene

Concen: 19.483 ug/l

RT: 7.607 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VU048684.D

Acq: 27 May 2022 11:33

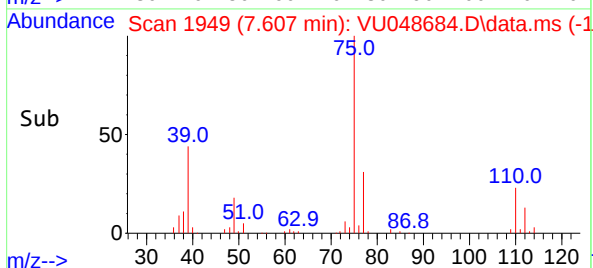
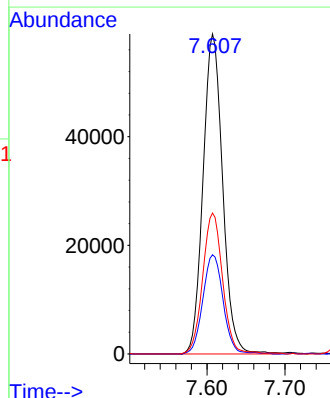
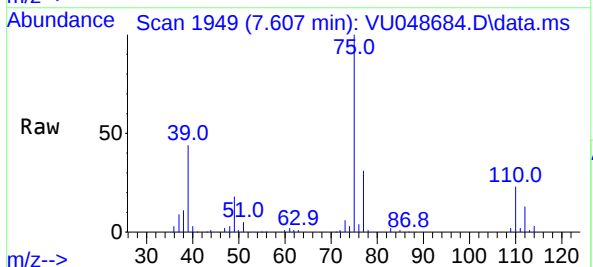
Tgt Ion: 75 Resp: 102970

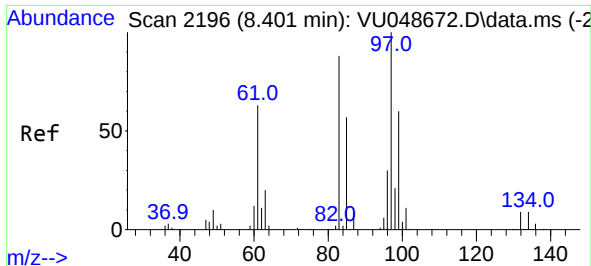
Ion Ratio Lower Upper

75 100

77 31.0 24.9 37.3

39 44.1 35.2 52.8



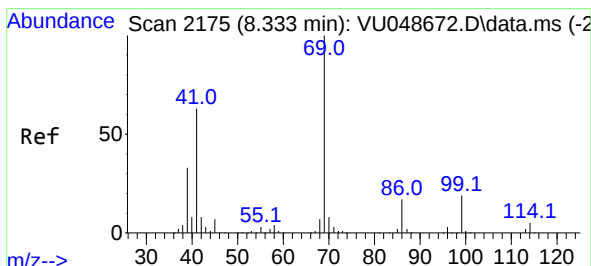
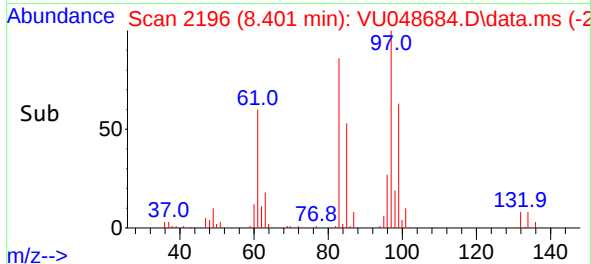
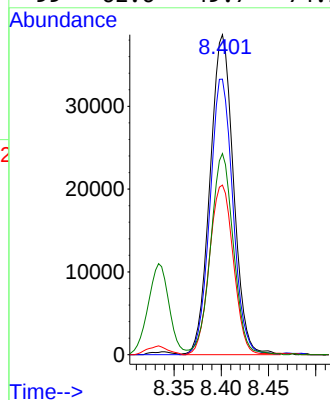
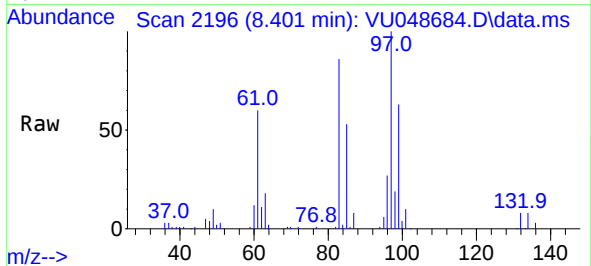


#55  
1,1,2-Trichloroethane  
Concen: 20.335 ug/l  
RT: 8.401 min Scan# 2196  
Delta R.T. 0.000 min  
Lab File: VU048684.D  
Acq: 27 May 2022 11:33

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0527WBS01

Tgt Ion: 97 Resp: 66730

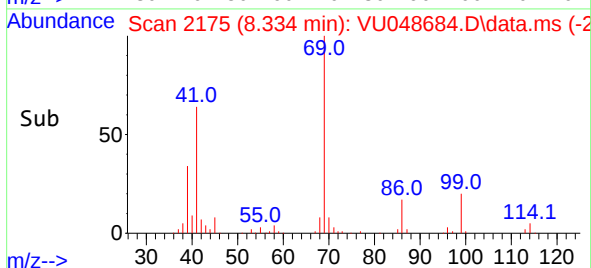
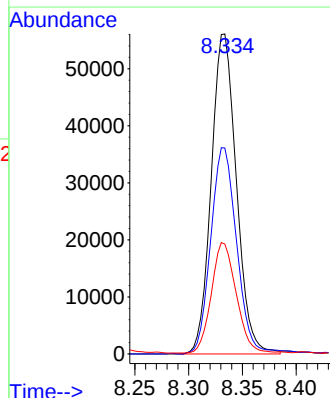
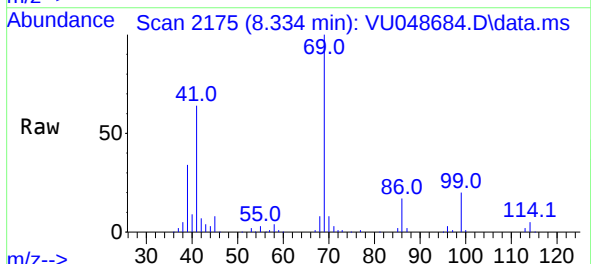
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 86.1  | 70.2  | 105.4 |
| 85  | 52.6  | 45.6  | 68.4  |
| 99  | 62.6  | 49.7  | 74.5  |

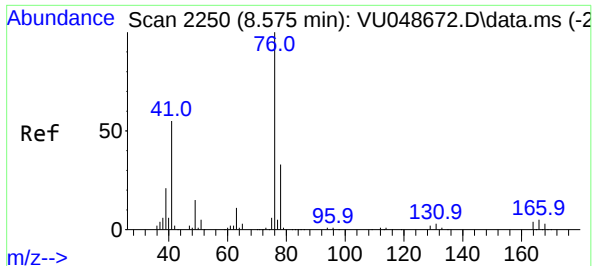


#56  
Ethyl methacrylate  
Concen: 19.301 ug/l  
RT: 8.334 min Scan# 2175  
Delta R.T. 0.001 min  
Lab File: VU048684.D  
Acq: 27 May 2022 11:33

Tgt Ion: 69 Resp: 91308

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 67.0  | 50.6  | 76.0  |
| 39  | 34.1  | 26.6  | 40.0  |

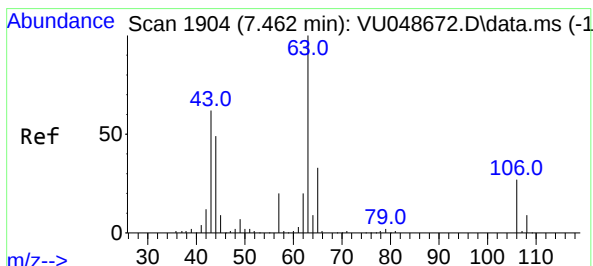
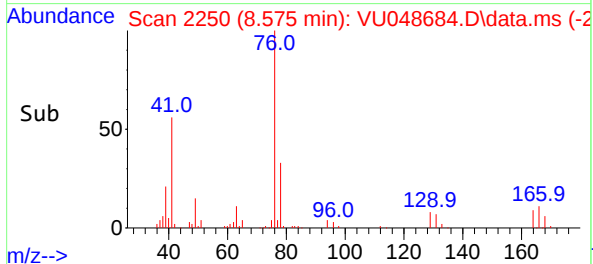
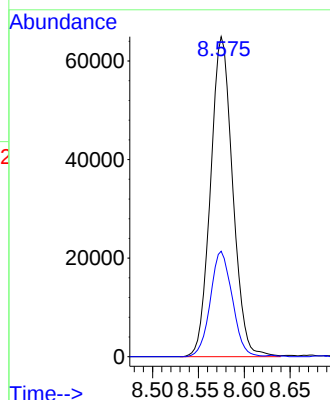
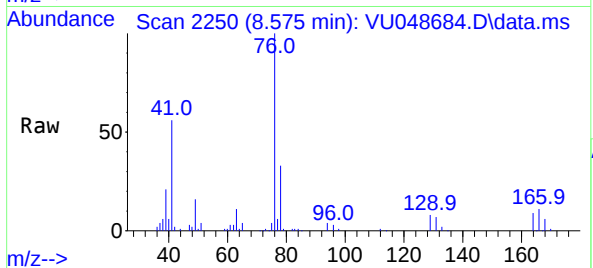




#57  
1,3-Dichloropropane  
Concen: 19.755 ug/l  
RT: 8.575 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VU048684.D  
Acq: 27 May 2022 11:33

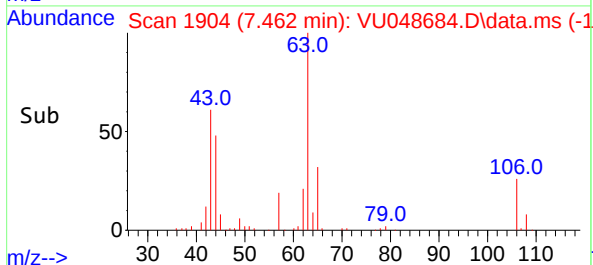
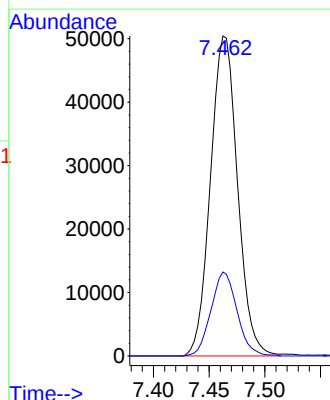
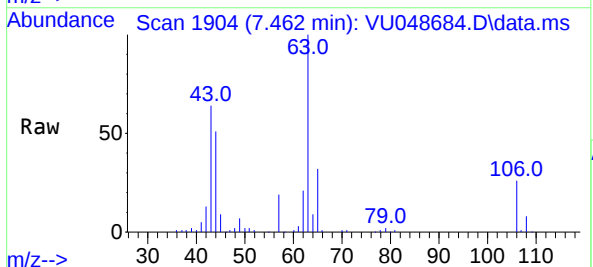
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0527WBS01

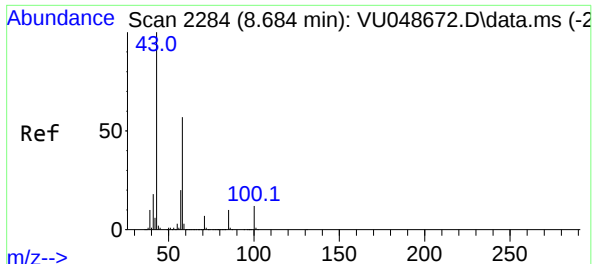
Tgt Ion: 76 Resp: 109107  
Ion Ratio Lower Upper  
76 100  
78 32.6 26.6 39.8



#58  
2-Chloroethyl Vinyl ether  
Concen: 93.790 ug/l  
RT: 7.462 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VU048684.D  
Acq: 27 May 2022 11:33

Tgt Ion: 63 Resp: 85221  
Ion Ratio Lower Upper  
63 100  
106 25.2 22.2 33.2

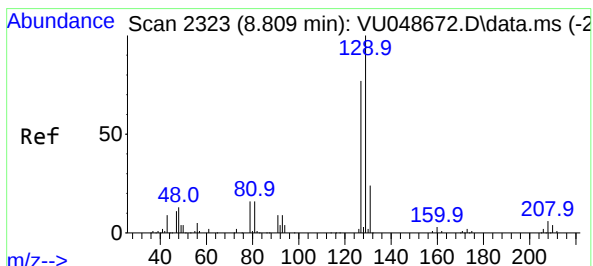
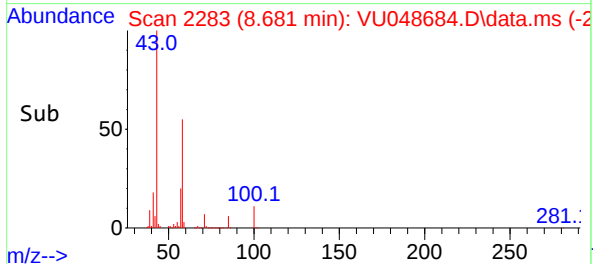
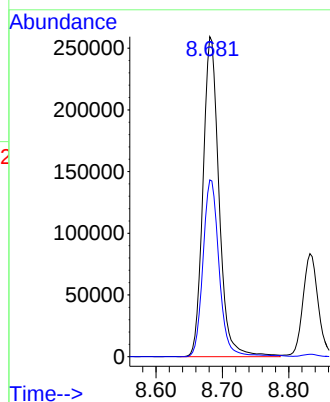
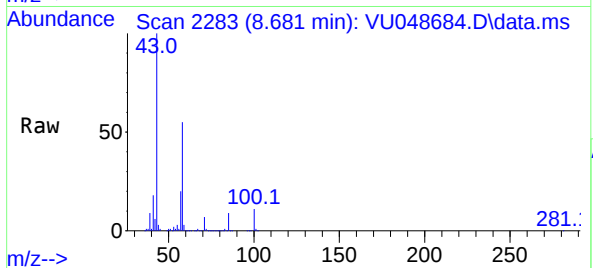




#59  
2-Hexanone  
Concen: 105.820 ug/l  
RT: 8.681 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VU048684.D  
Acq: 27 May 2022 11:33

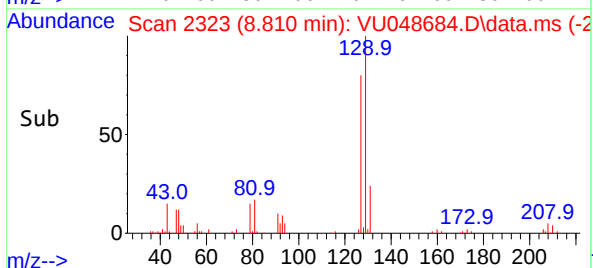
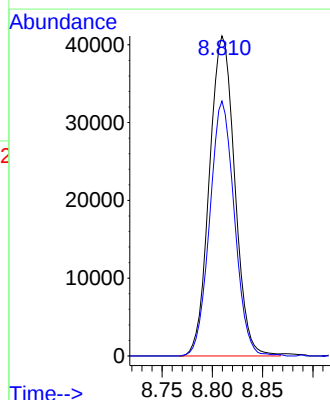
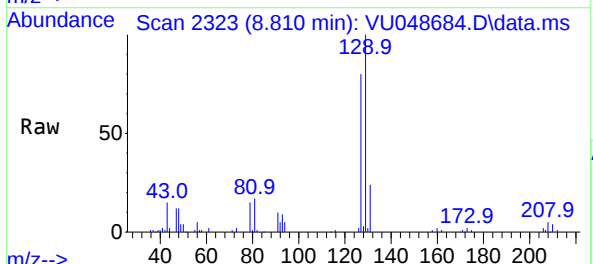
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0527WBS01

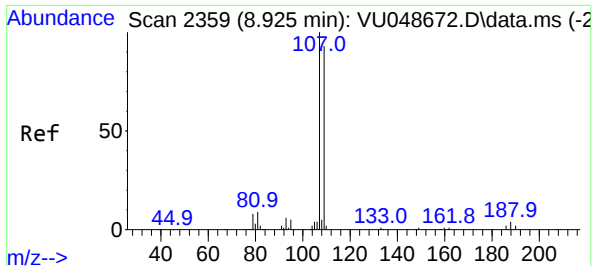
Tgt Ion: 43 Resp: 435809  
Ion Ratio Lower Upper  
43 100  
58 55.9 28.2 84.6



#60  
Dibromochloromethane  
Concen: 19.637 ug/l  
RT: 8.810 min Scan# 2323  
Delta R.T. 0.000 min  
Lab File: VU048684.D  
Acq: 27 May 2022 11:33

Tgt Ion:129 Resp: 72234  
Ion Ratio Lower Upper  
129 100  
127 77.5 38.5 115.3

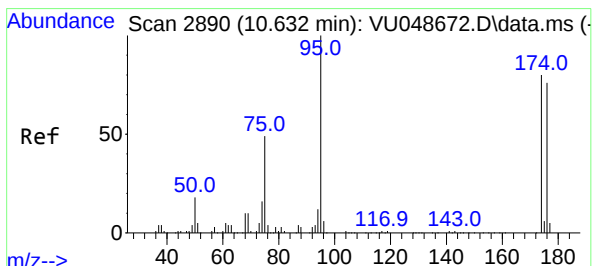
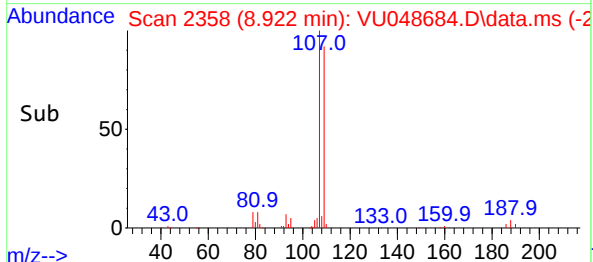
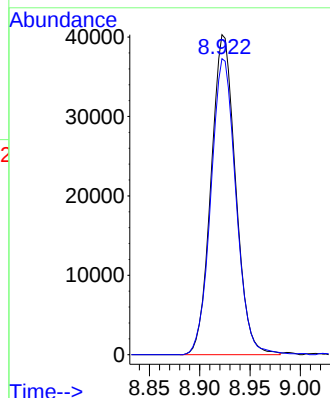
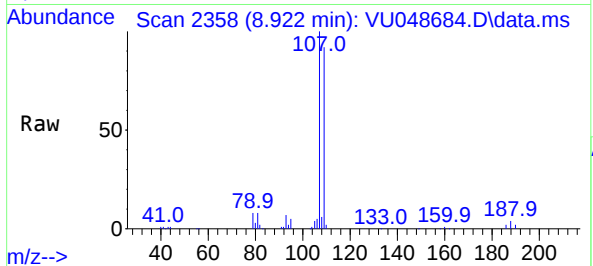




#61  
1,2-Dibromoethane  
Concen: 18.935 ug/l  
RT: 8.922 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VU048684.D  
Acq: 27 May 2022 11:33

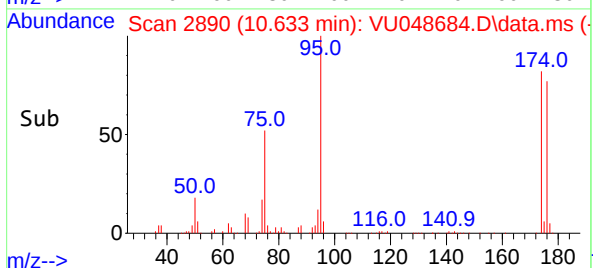
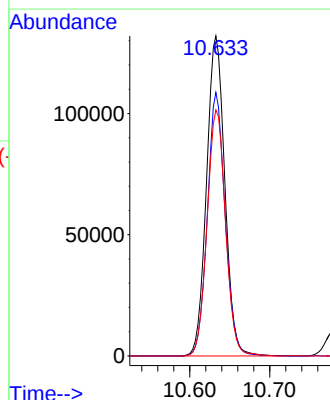
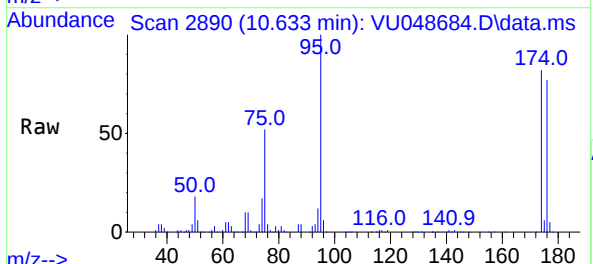
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0527WBS01

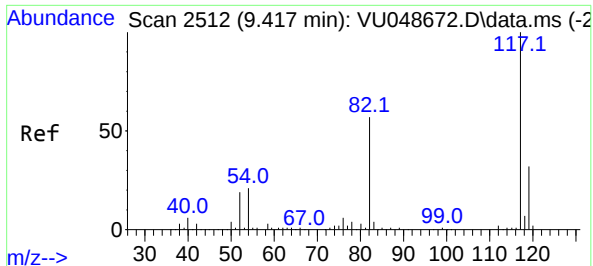
Tgt Ion:107 Resp: 68430  
Ion Ratio Lower Upper  
107 100  
109 94.5 75.7 113.5



#62  
4-Bromofluorobenzene  
Concen: 53.624 ug/l  
RT: 10.633 min Scan# 2890  
Delta R.T. 0.000 min  
Lab File: VU048684.D  
Acq: 27 May 2022 11:33

Tgt Ion: 95 Resp: 209727  
Ion Ratio Lower Upper  
95 100  
174 80.3 0.0 159.4  
176 77.4 0.0 152.4

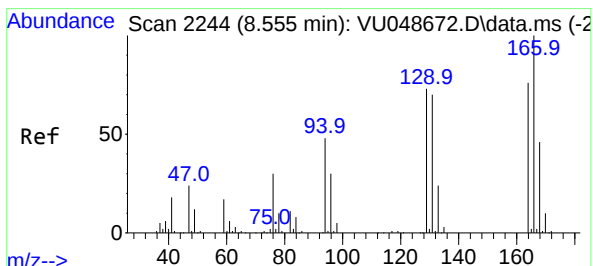
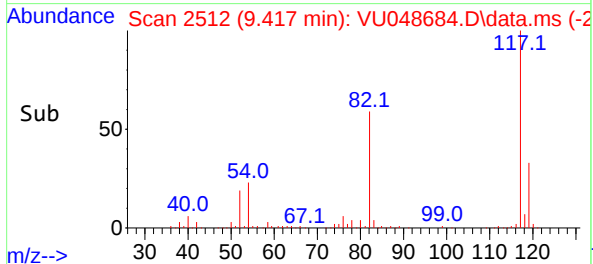
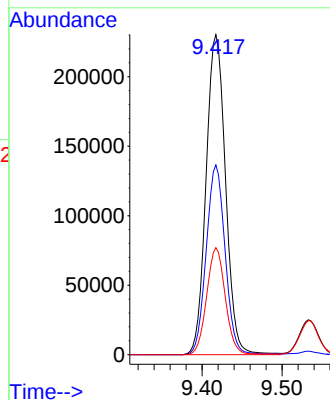
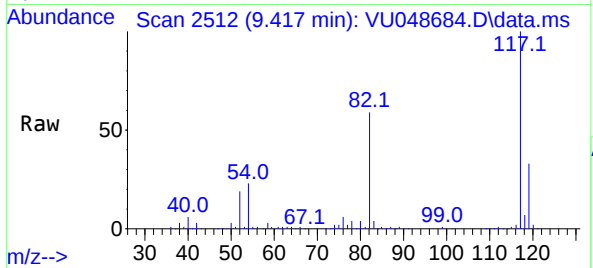




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.417 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VU048684.D  
Acq: 27 May 2022 11:33

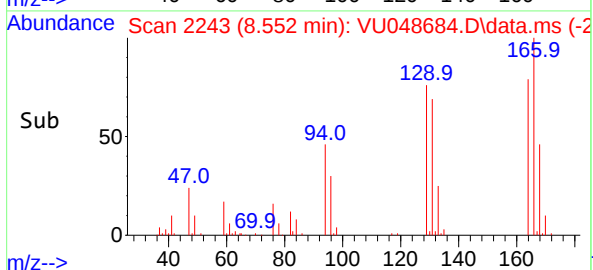
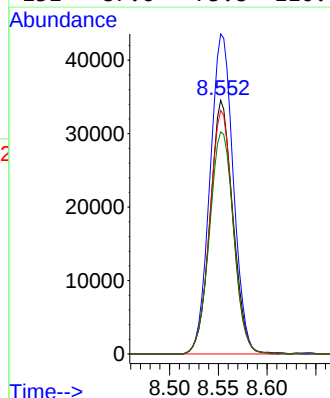
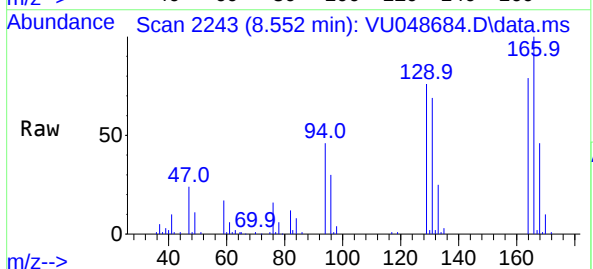
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0527WBS01

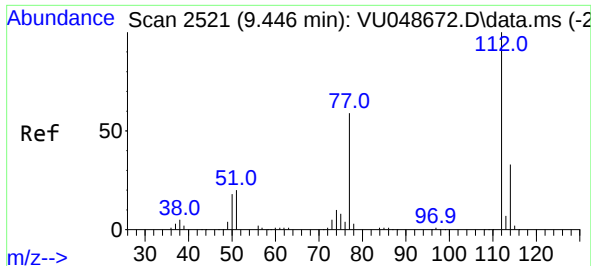
Tgt Ion:117 Resp: 390455  
Ion Ratio Lower Upper  
117 100  
82 59.3 45.3 67.9  
119 33.4 25.4 38.2



#64  
Tetrachloroethene  
Concen: 20.170 ug/l  
RT: 8.552 min Scan# 2243  
Delta R.T. -0.003 min  
Lab File: VU048684.D  
Acq: 27 May 2022 11:33

Tgt Ion:164 Resp: 56482  
Ion Ratio Lower Upper  
164 100  
166 126.2 105.0 157.4  
129 96.0 76.5 114.7  
131 87.6 73.8 110.6

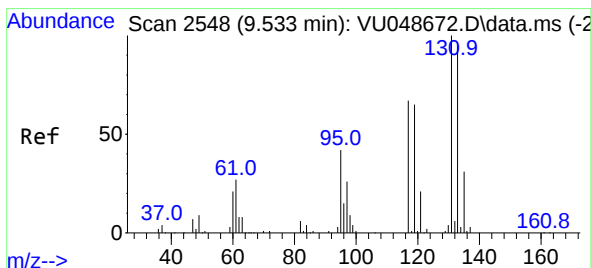
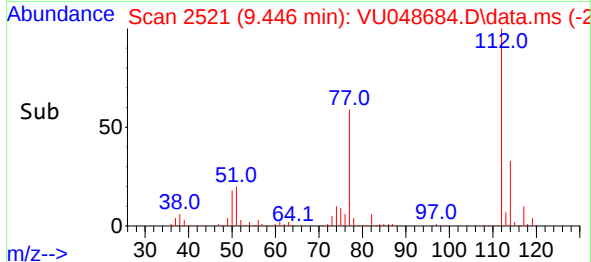
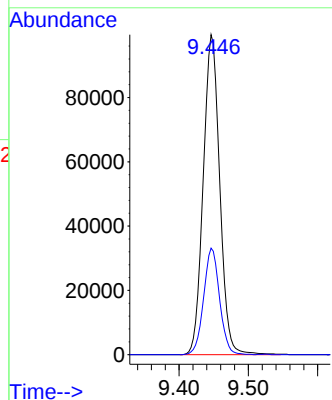
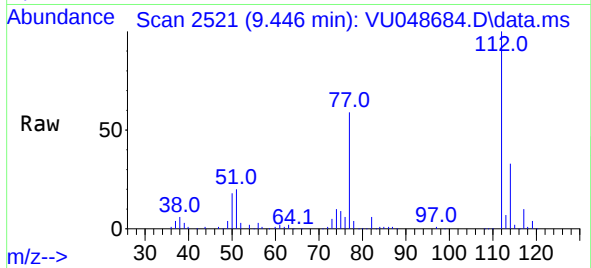




#65  
Chlorobenzene  
Concen: 19.948 ug/l  
RT: 9.446 min Scan# 2521  
Delta R.T. 0.000 min  
Lab File: VU048684.D  
Acq: 27 May 2022 11:33

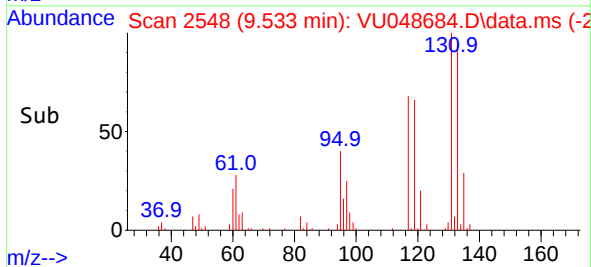
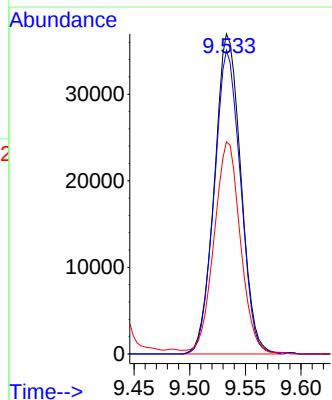
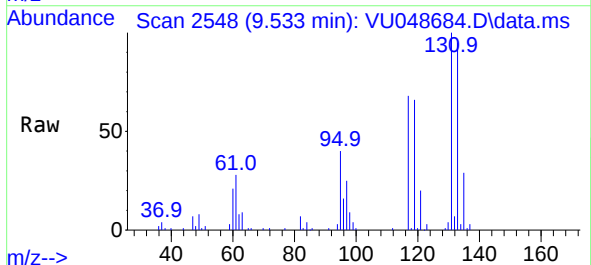
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0527WBS01

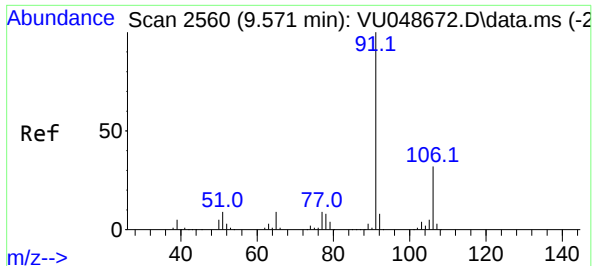
Tgt Ion:112 Resp: 164737  
Ion Ratio Lower Upper  
112 100  
114 33.3 26.3 39.5



#66  
1,1,1,2-Tetrachloroethane  
Concen: 19.483 ug/l  
RT: 9.533 min Scan# 2548  
Delta R.T. 0.000 min  
Lab File: VU048684.D  
Acq: 27 May 2022 11:33

Tgt Ion:131 Resp: 61072  
Ion Ratio Lower Upper  
131 100  
133 94.1 48.5 145.5  
119 66.4 32.7 98.1





#67

Ethyl Benzene

Concen: 20.085 ug/l

RT: 9.568 min Scan# 2559

Delta R.T. -0.003 min

Lab File: VU048684.D

Acq: 27 May 2022 11:33

Instrument :

MSVOA\_U

ClientSampleId :

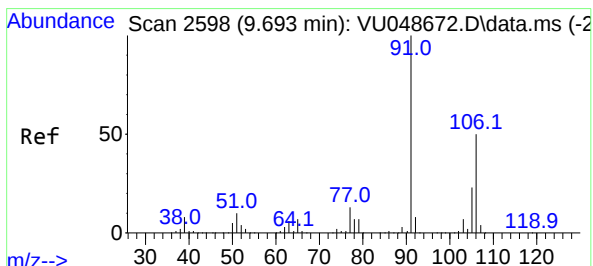
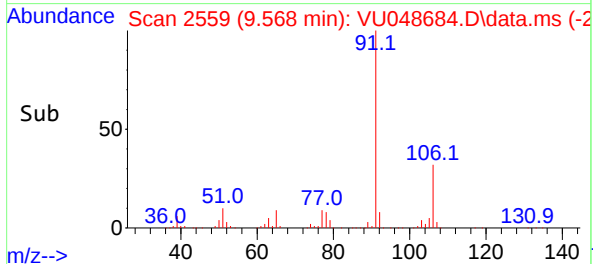
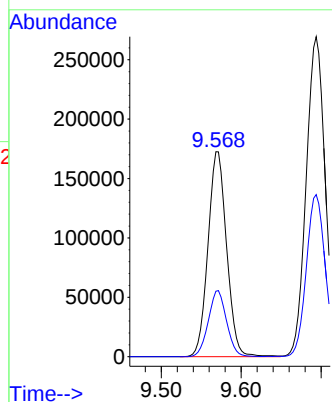
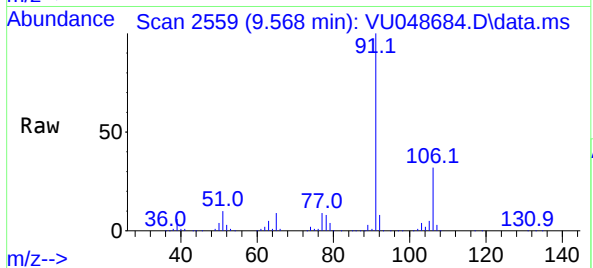
VU0527WBS01

Tgt Ion: 91 Resp: 279750

Ion Ratio Lower Upper

91 100

106 31.9 25.4 38.2



#68

m/p-Xylenes

Concen: 41.036 ug/l

RT: 9.694 min Scan# 2598

Delta R.T. 0.000 min

Lab File: VU048684.D

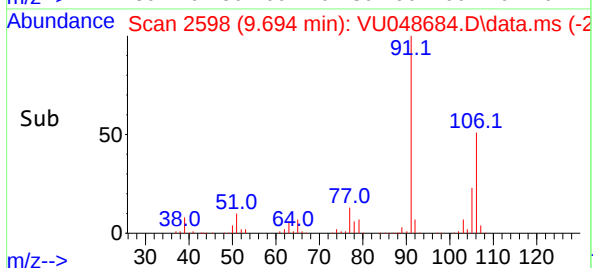
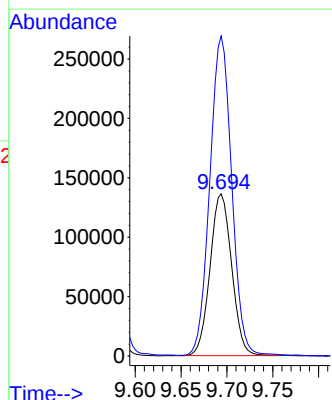
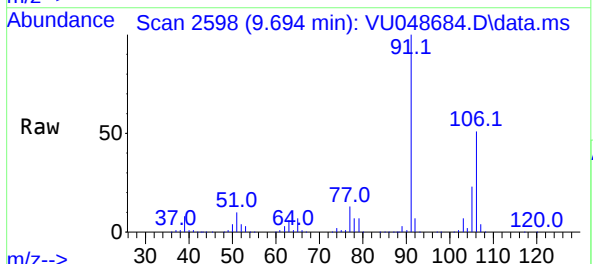
Acq: 27 May 2022 11:33

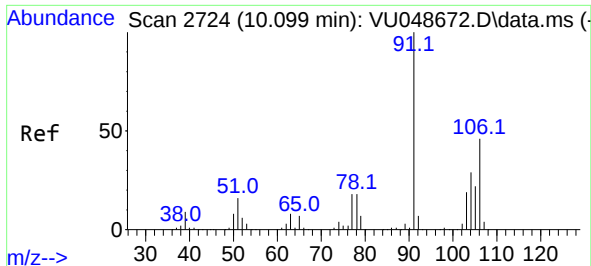
Tgt Ion: 106 Resp: 223545

Ion Ratio Lower Upper

106 100

91 199.2 162.4 243.6

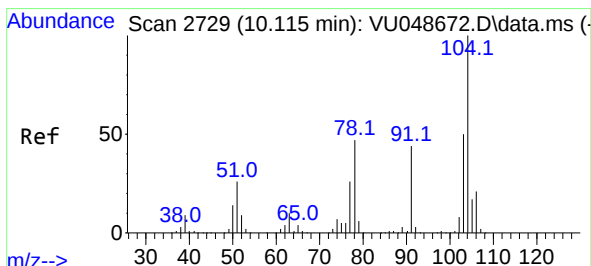
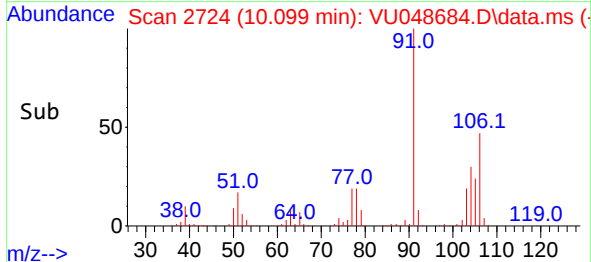
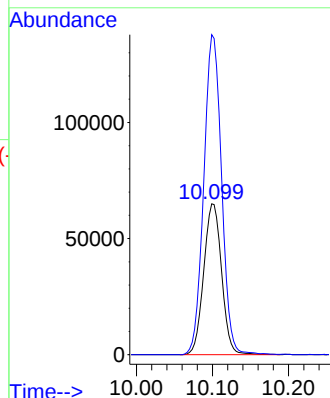
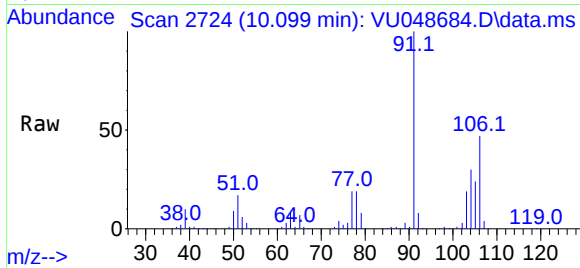




#69  
o-Xylene  
Concen: 19.831 ug/l  
RT: 10.099 min Scan# 2724  
Delta R.T. 0.000 min  
Lab File: VU048684.D  
Acq: 27 May 2022 11:33

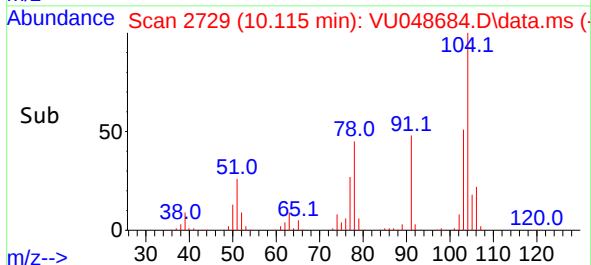
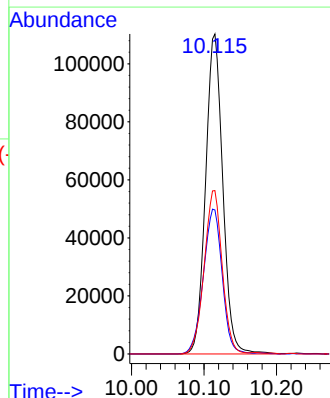
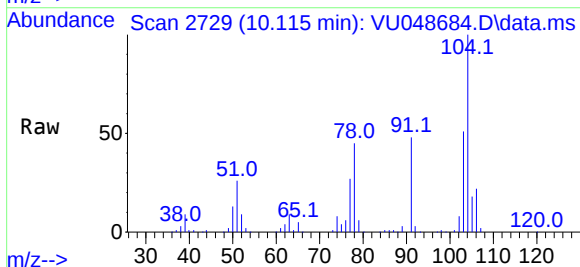
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0527WBS01

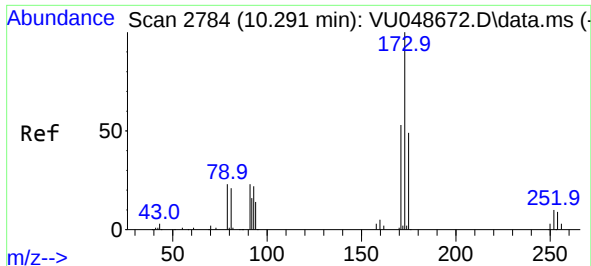
Tgt Ion:106 Resp: 106134  
Ion Ratio Lower Upper  
106 100  
91 211.4 107.7 323.3



#70  
Styrene  
Concen: 20.672 ug/l  
RT: 10.115 min Scan# 2729  
Delta R.T. -0.000 min  
Lab File: VU048684.D  
Acq: 27 May 2022 11:33

Tgt Ion:104 Resp: 181974  
Ion Ratio Lower Upper  
104 100  
78 49.4 41.2 61.8  
103 53.5 43.4 65.2

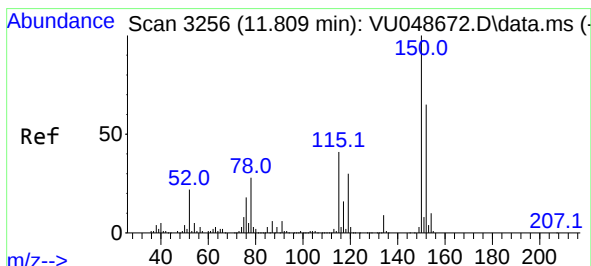
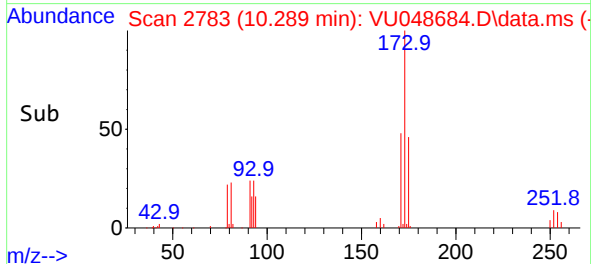
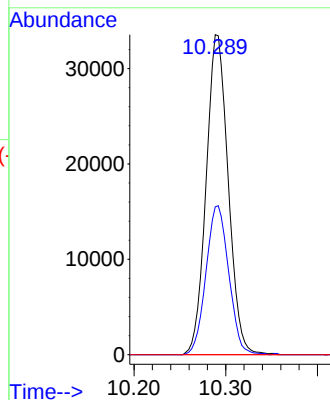
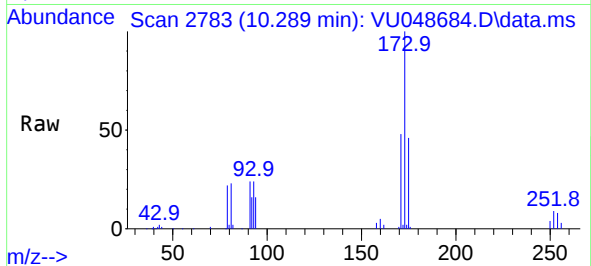




#71  
Bromoform  
Concen: 19.375 ug/l  
RT: 10.289 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VU048684.D  
Acq: 27 May 2022 11:33

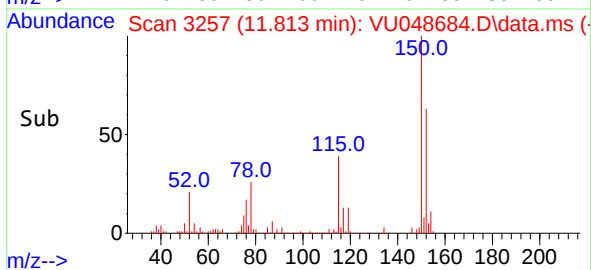
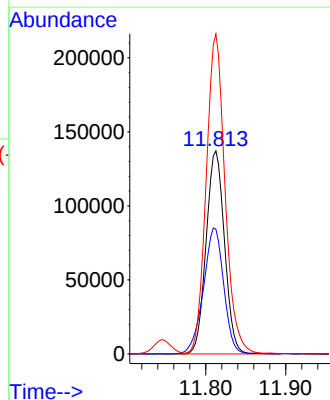
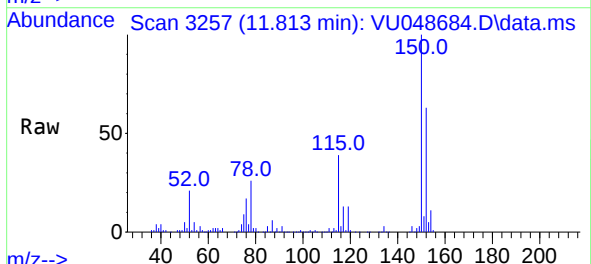
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0527WBS01

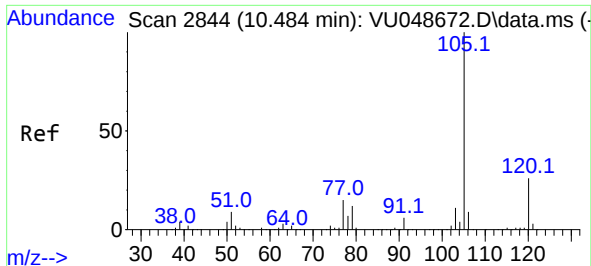
Tgt Ion:173 Resp: 56154  
Ion Ratio Lower Upper  
173 100  
175 48.0 24.5 73.5  
254 0.0 0.0 0.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 11.813 min Scan# 3257  
Delta R.T. 0.004 min  
Lab File: VU048684.D  
Acq: 27 May 2022 11:33

Tgt Ion:152 Resp: 219686  
Ion Ratio Lower Upper  
152 100  
115 68.3 41.8 125.4  
150 160.2 0.0 341.0

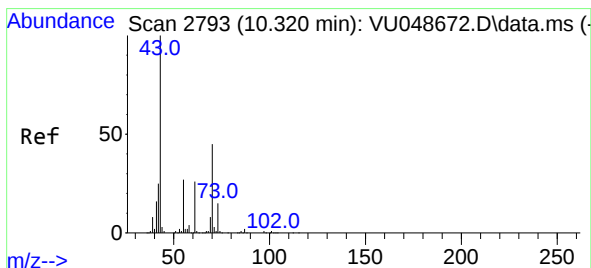
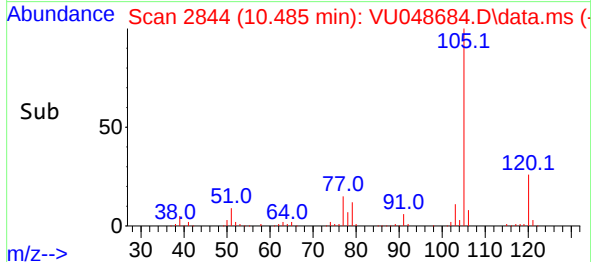
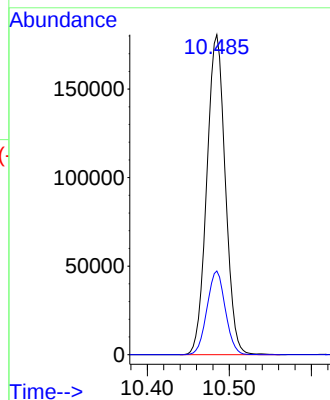
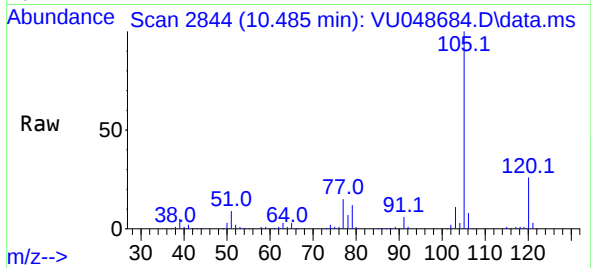




#73  
Isopropylbenzene  
Concen: 19.999 ug/l  
RT: 10.485 min Scan# 2844  
Delta R.T. 0.000 min  
Lab File: VU048684.D  
Acq: 27 May 2022 11:33

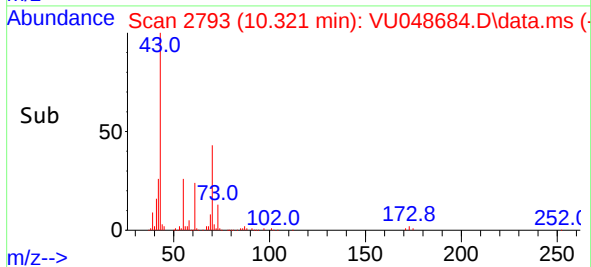
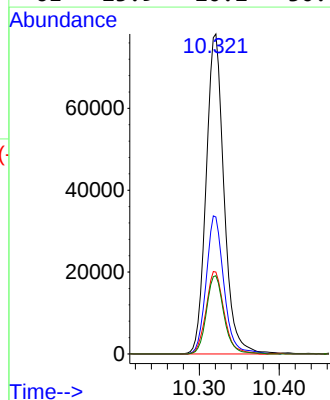
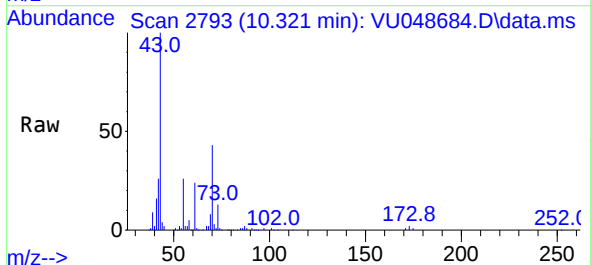
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0527WBS01

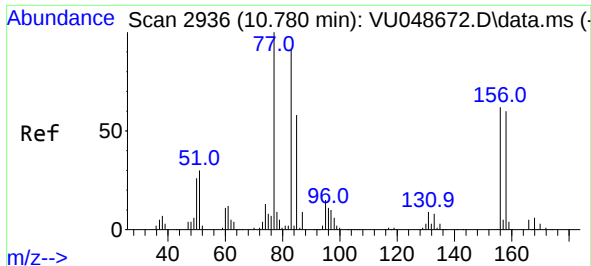
Tgt Ion:105 Resp: 283645  
Ion Ratio Lower Upper  
105 100  
120 25.9 12.9 38.6



#74  
N-ethyl acetate  
Concen: 18.632 ug/l  
RT: 10.321 min Scan# 2793  
Delta R.T. 0.001 min  
Lab File: VU048684.D  
Acq: 27 May 2022 11:33

Tgt Ion: 43 Resp: 122097  
Ion Ratio Lower Upper  
43 100  
70 42.7 35.8 53.6  
55 25.9 21.1 31.7  
61 23.9 20.2 30.4

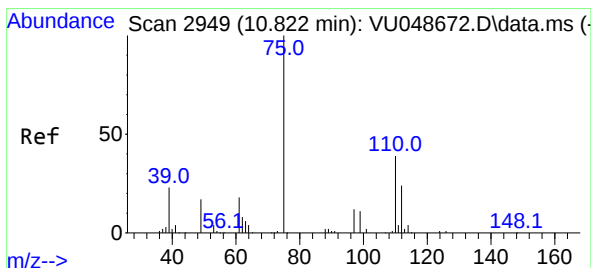
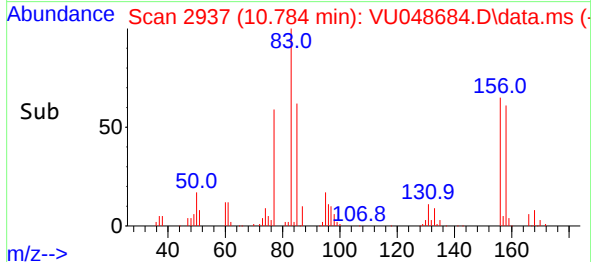
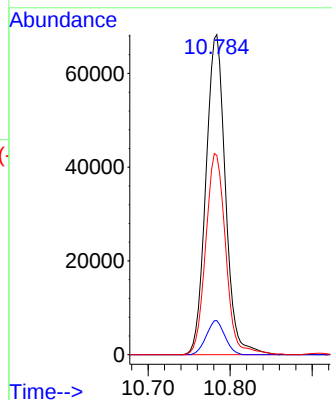
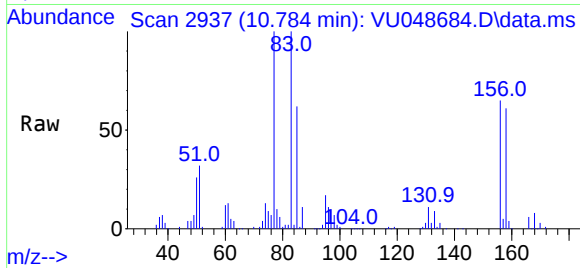




#75  
1,1,2,2-Tetrachloroethane  
Concen: 19.519 ug/l  
RT: 10.784 min Scan# 2936  
Delta R.T. 0.004 min  
Lab File: VU048684.D  
Acq: 27 May 2022 11:33

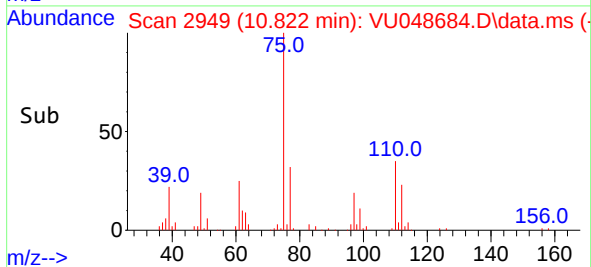
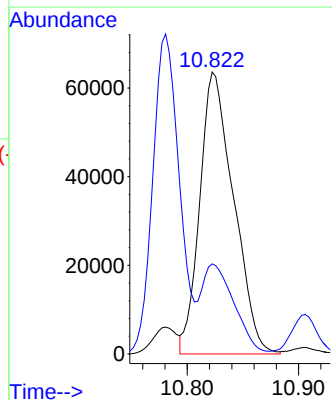
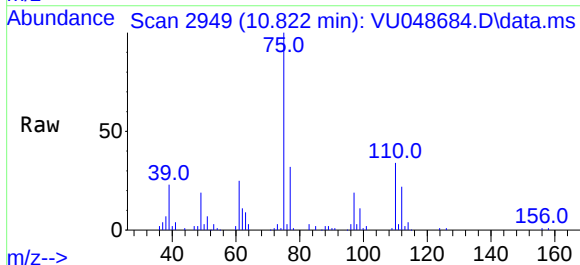
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0527WBS01

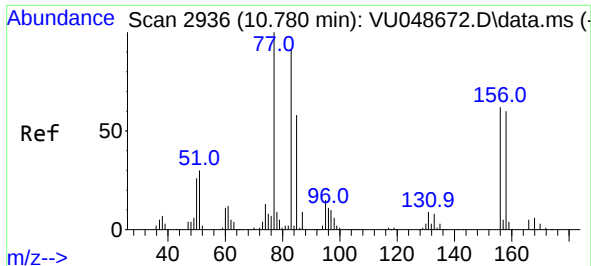
Tgt Ion: 83 Resp: 112973  
Ion Ratio Lower Upper  
83 100  
131 10.1 5.2 15.6  
85 64.2 32.5 97.4



#76  
1,2,3-Trichloropropane  
Concen: 18.958 ug/l  
RT: 10.822 min Scan# 2949  
Delta R.T. 0.000 min  
Lab File: VU048684.D  
Acq: 27 May 2022 11:33

Tgt Ion: 75 Resp: 134283  
Ion Ratio Lower Upper  
75 100  
77 29.4 14.8 44.3

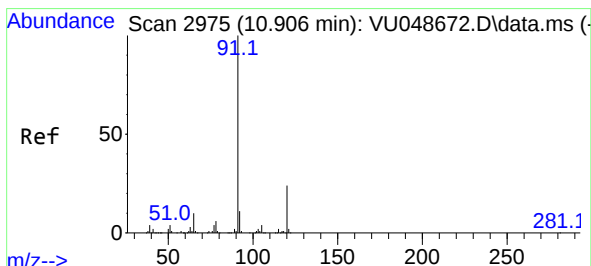
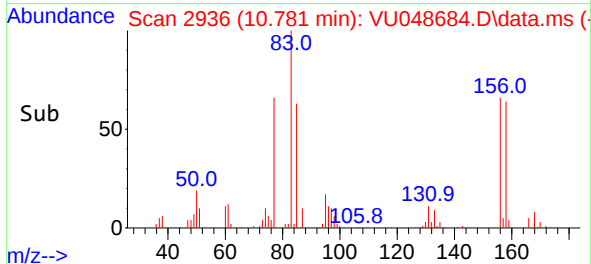
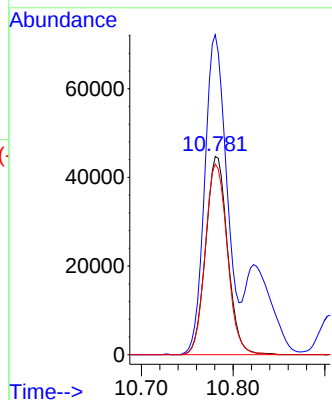
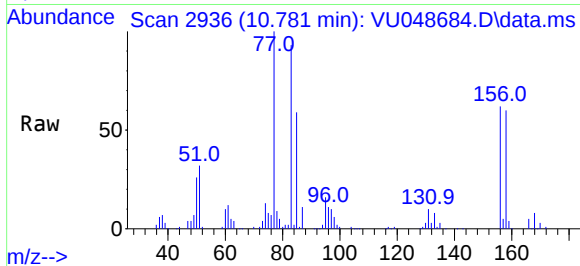




#77  
Bromobenzene  
Concen: 19.470 ug/l  
RT: 10.781 min Scan# 2936  
Delta R.T. 0.000 min  
Lab File: VU048684.D  
Acq: 27 May 2022 11:33

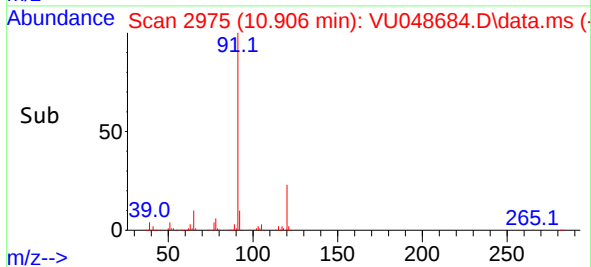
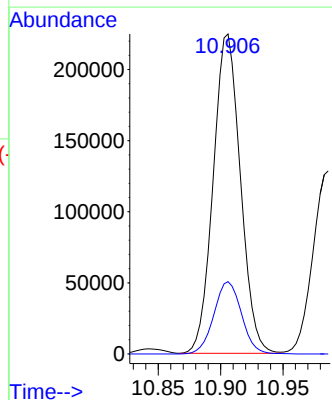
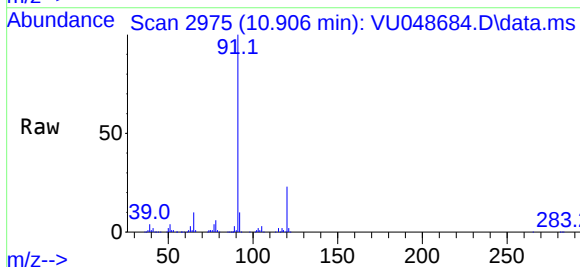
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0527WBS01

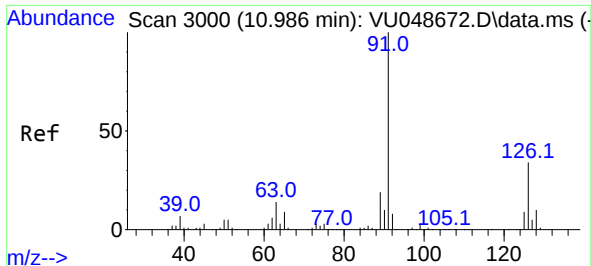
Tgt Ion:156 Resp: 74161  
Ion Ratio Lower Upper  
156 100  
77 161.2 81.1 243.3  
158 96.8 48.8 146.4



#78  
n-propylbenzene  
Concen: 20.213 ug/l  
RT: 10.906 min Scan# 2975  
Delta R.T. 0.000 min  
Lab File: VU048684.D  
Acq: 27 May 2022 11:33

Tgt Ion: 91 Resp: 341608  
Ion Ratio Lower Upper  
91 100  
120 23.0 11.6 34.7

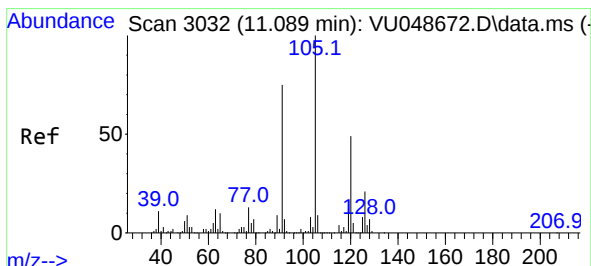
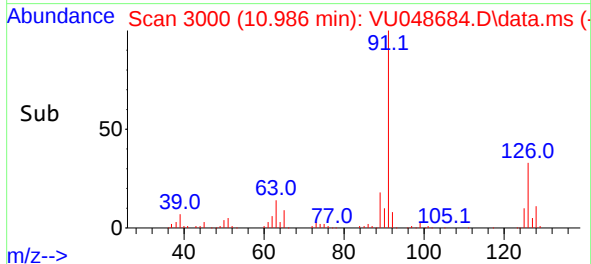
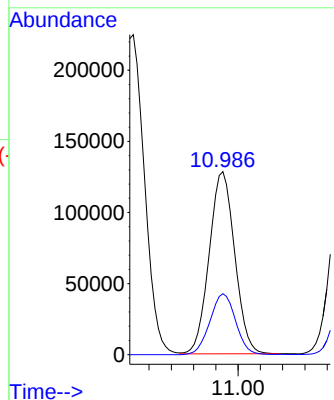
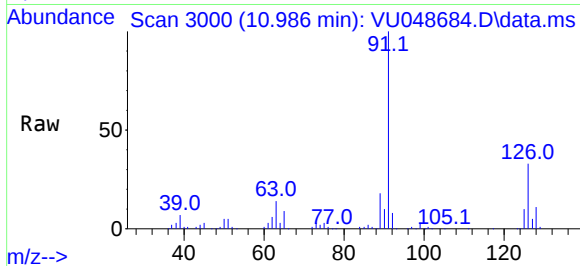




#79  
2-Chlorotoluene  
Concen: 19.406 ug/l  
RT: 10.986 min Scan# 3000  
Delta R.T. 0.000 min  
Lab File: VU048684.D  
Acq: 27 May 2022 11:33

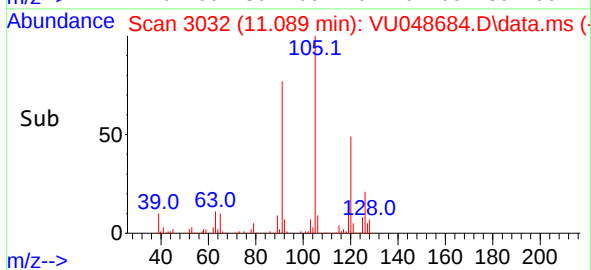
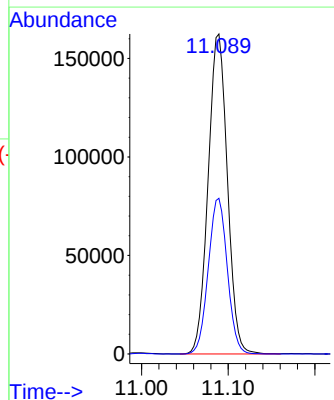
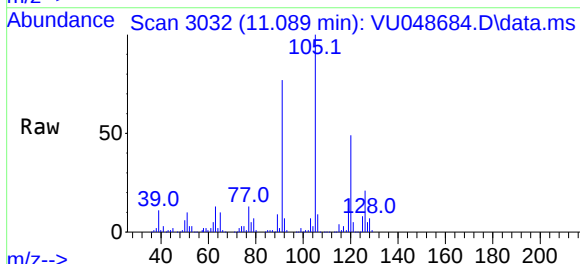
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0527WBS01

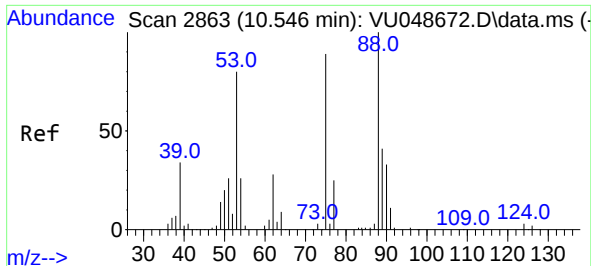
Tgt Ion: 91 Resp: 203947  
Ion Ratio Lower Upper  
91 100  
126 33.8 16.7 50.0



#80  
1,3,5-Trimethylbenzene  
Concen: 20.346 ug/l  
RT: 11.089 min Scan# 3032  
Delta R.T. 0.000 min  
Lab File: VU048684.D  
Acq: 27 May 2022 11:33

Tgt Ion: 105 Resp: 250943  
Ion Ratio Lower Upper  
105 100  
120 48.1 24.1 72.3

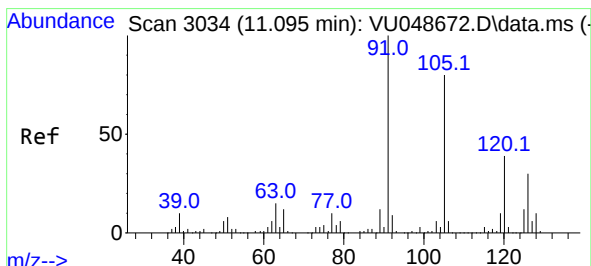
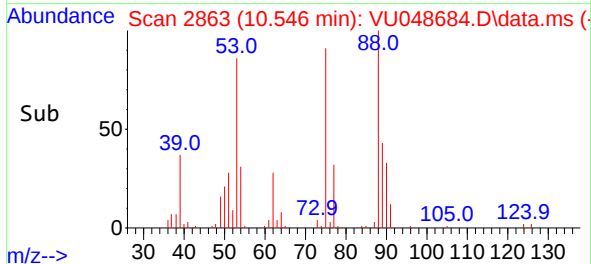
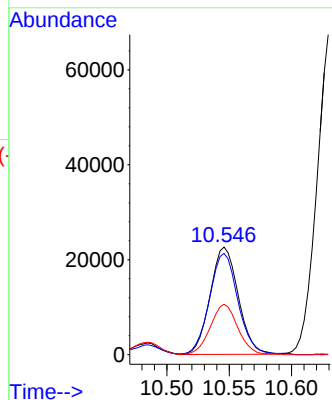
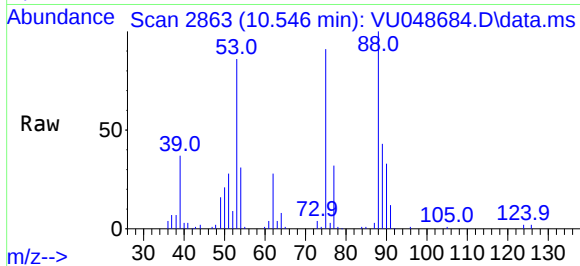




#81  
trans-1,4-Dichloro-2-butene  
Concen: 18.238 ug/l  
RT: 10.546 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VU048684.D  
Acq: 27 May 2022 11:33

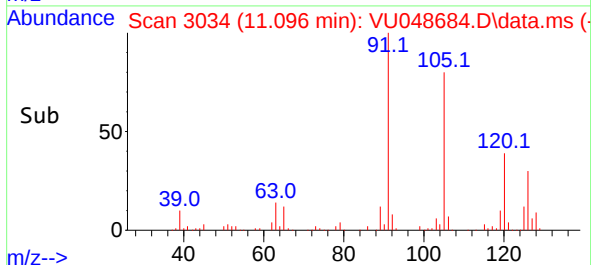
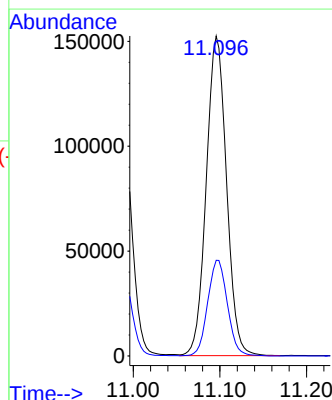
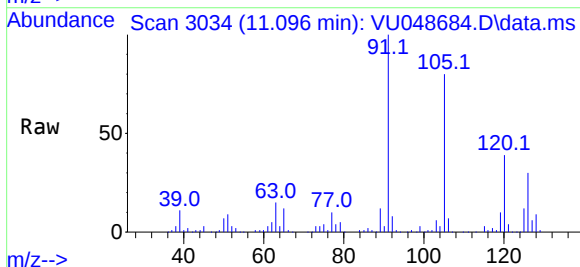
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0527WBS01

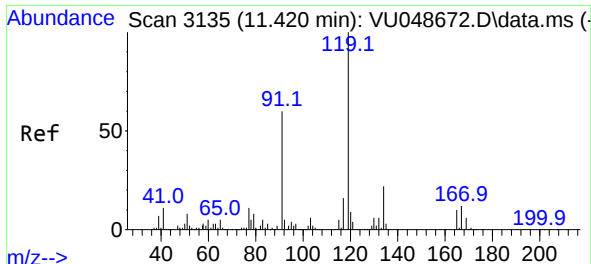
Tgt Ion: 75 Resp: 35579  
Ion Ratio Lower Upper  
75 100  
53 94.1 72.5 108.7  
89 46.2 37.0 55.4



#82  
4-Chlorotoluene  
Concen: 20.371 ug/l  
RT: 11.096 min Scan# 3034  
Delta R.T. 0.000 min  
Lab File: VU048684.D  
Acq: 27 May 2022 11:33

Tgt Ion: 91 Resp: 247016  
Ion Ratio Lower Upper  
91 100  
126 29.2 14.4 43.2

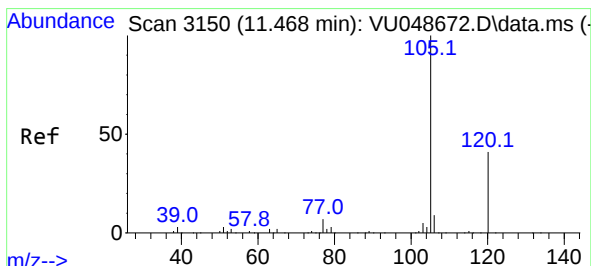
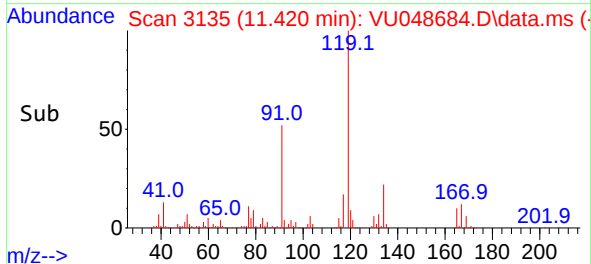
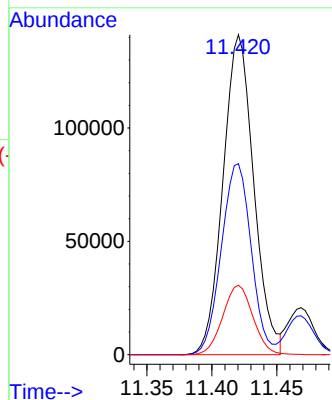
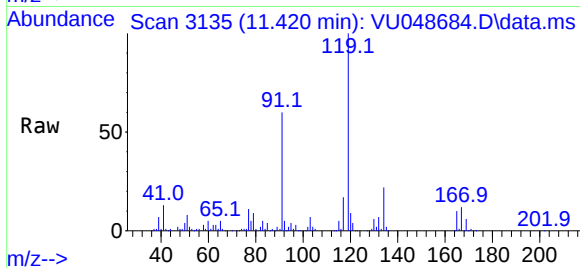




#83  
tert-Butylbenzene  
Concen: 19.646 ug/l  
RT: 11.420 min Scan# 3135  
Delta R.T. 0.000 min  
Lab File: VU048684.D  
Acq: 27 May 2022 11:33

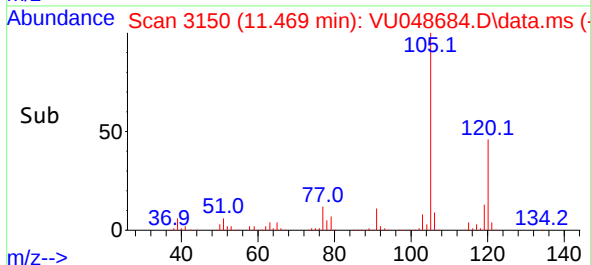
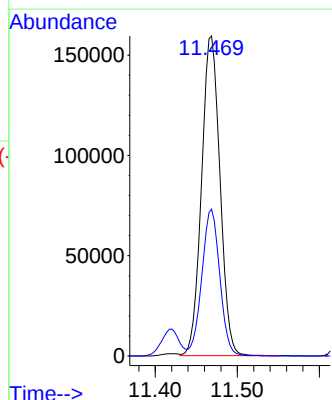
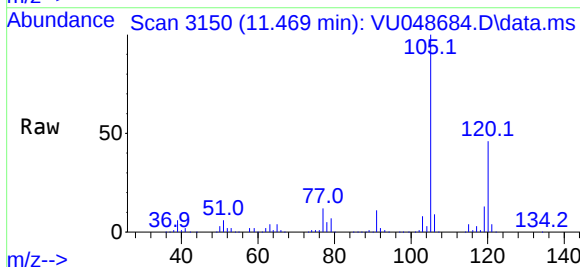
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0527WBS01

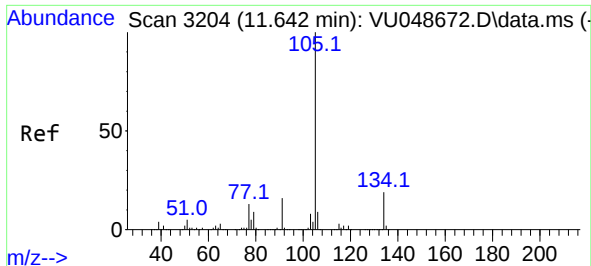
Tgt Ion:119 Resp: 232558  
Ion Ratio Lower Upper  
119 100  
91 58.2 28.7 86.1  
134 21.3 10.8 32.4



#84  
1,2,4-Trimethylbenzene  
Concen: 19.490 ug/l  
RT: 11.469 min Scan# 3150  
Delta R.T. 0.001 min  
Lab File: VU048684.D  
Acq: 27 May 2022 11:33

Tgt Ion:105 Resp: 249214  
Ion Ratio Lower Upper  
105 100  
120 44.4 22.5 67.5

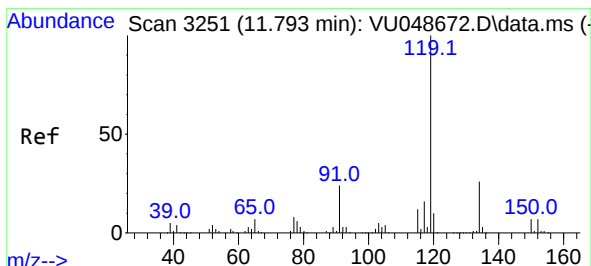
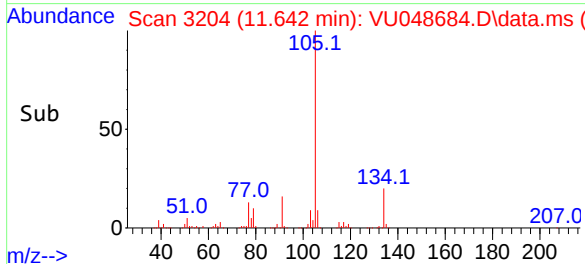
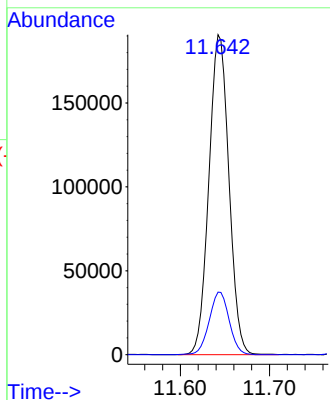
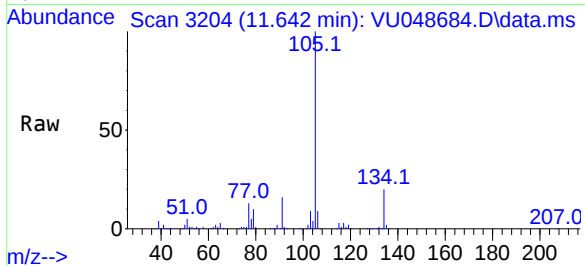




#85  
sec-Butylbenzene  
Concen: 20.095 ug/l  
RT: 11.642 min Scan# 311  
Delta R.T. 0.000 min  
Lab File: VU048684.D  
Acq: 27 May 2022 11:33

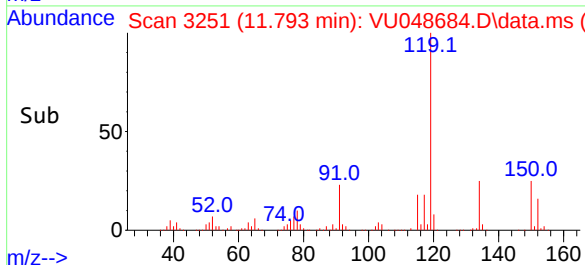
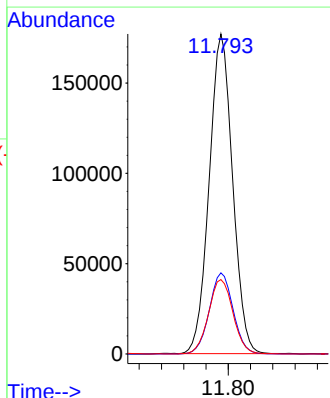
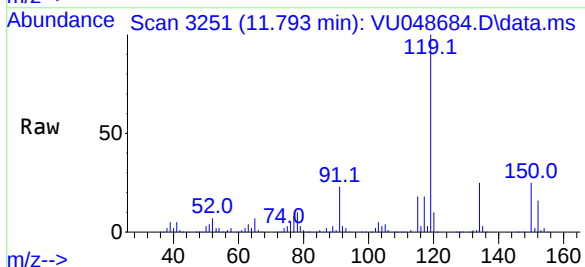
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0527WBS01

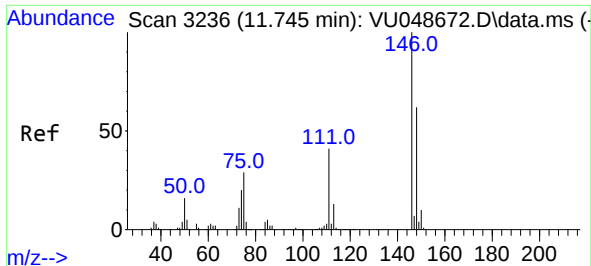
Tgt Ion:105 Resp: 297585  
Ion Ratio Lower Upper  
105 100  
134 19.5 9.6 28.6



#86  
p-Isopropyltoluene  
Concen: 20.310 ug/l  
RT: 11.793 min Scan# 3251  
Delta R.T. 0.000 min  
Lab File: VU048684.D  
Acq: 27 May 2022 11:33

Tgt Ion:119 Resp: 258289  
Ion Ratio Lower Upper  
119 100  
134 25.7 12.8 38.4  
91 24.4 12.0 36.0





#87

1,3-Dichlorobenzene

Concen: 19.243 ug/l

RT: 11.745 min Scan# 3236

Delta R.T. 0.000 min

Lab File: VU048684.D

Acq: 27 May 2022 11:33

Instrument :

MSVOA\_U

ClientSampleId :

VU0527WBS01

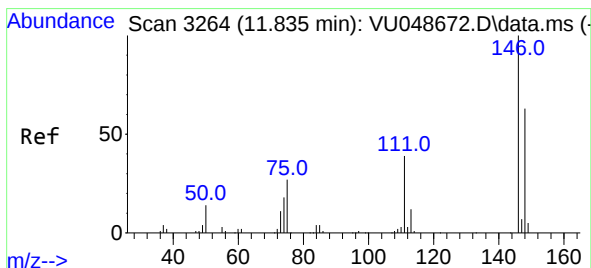
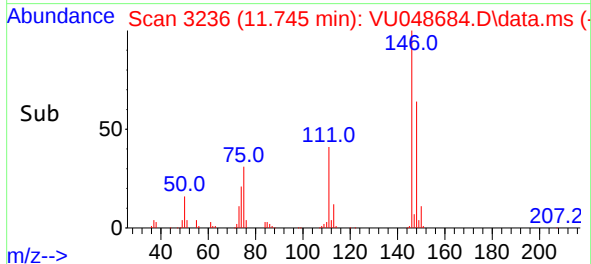
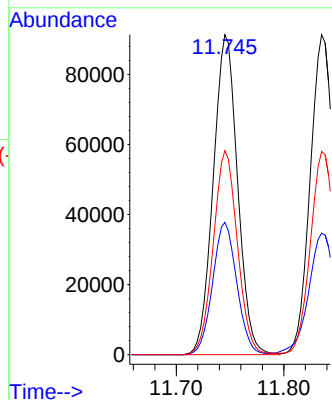
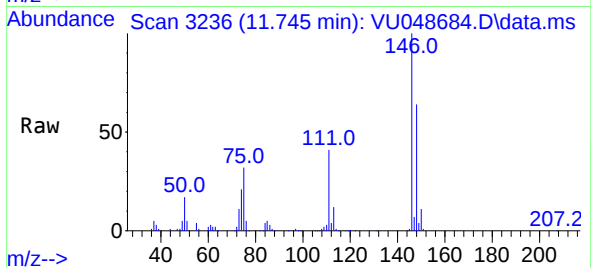
Tgt Ion:146 Resp: 143705

Ion Ratio Lower Upper

146 100

111 41.1 20.6 61.9

148 63.2 31.6 95.0



#88

1,4-Dichlorobenzene

Concen: 18.817 ug/l

RT: 11.835 min Scan# 3264

Delta R.T. 0.000 min

Lab File: VU048684.D

Acq: 27 May 2022 11:33

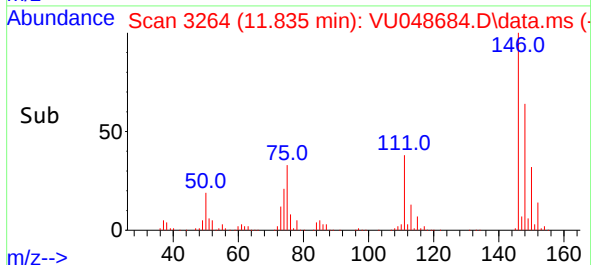
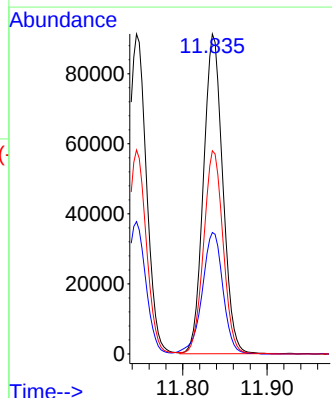
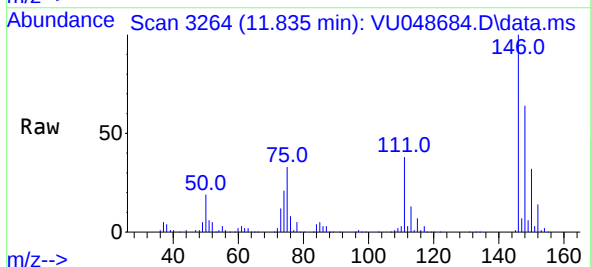
Tgt Ion:146 Resp: 145180

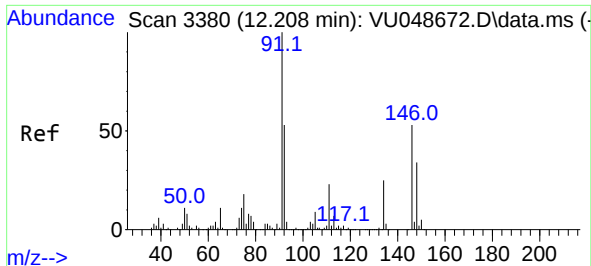
Ion Ratio Lower Upper

146 100

111 41.0 20.2 60.6

148 63.8 32.4 97.0

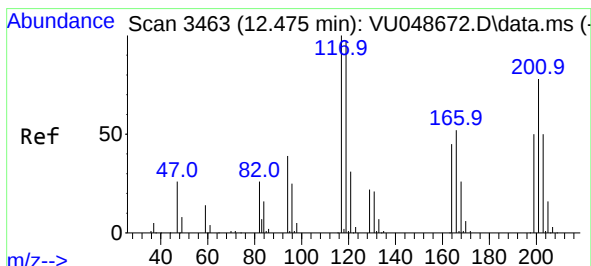
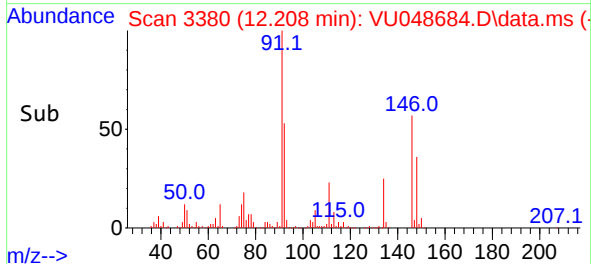
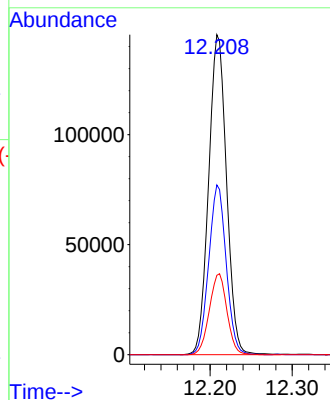
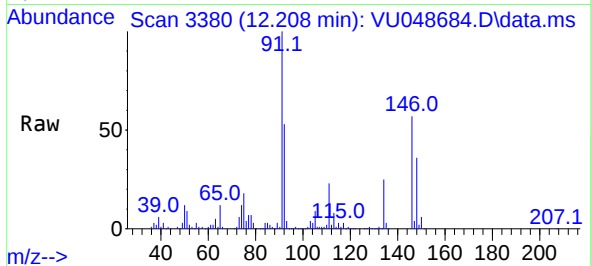




#89  
n-Butylbenzene  
Concen: 18.727 ug/l  
RT: 12.208 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VU048684.D  
Acq: 27 May 2022 11:33

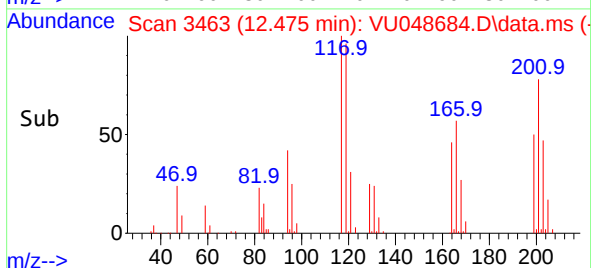
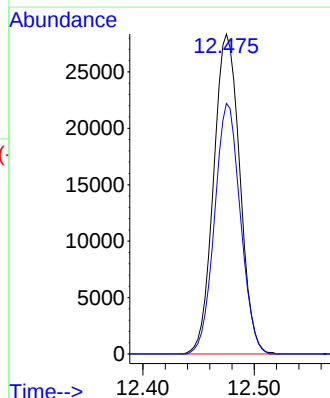
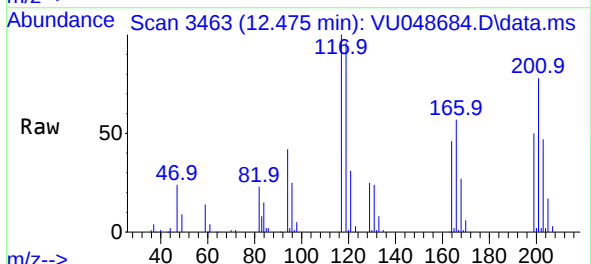
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0527WBS01

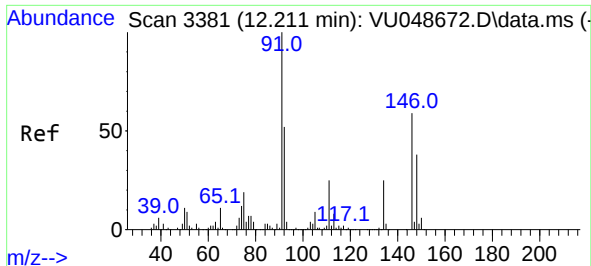
Tgt Ion: 91 Resp: 220199  
Ion Ratio Lower Upper  
91 100  
92 51.8 25.9 77.8  
134 24.9 12.5 37.5



#90  
Hexachloroethane  
Concen: 17.811 ug/l  
RT: 12.475 min Scan# 3463  
Delta R.T. 0.000 min  
Lab File: VU048684.D  
Acq: 27 May 2022 11:33

Tgt Ion: 117 Resp: 46229  
Ion Ratio Lower Upper  
117 100  
201 77.5 39.6 119.0

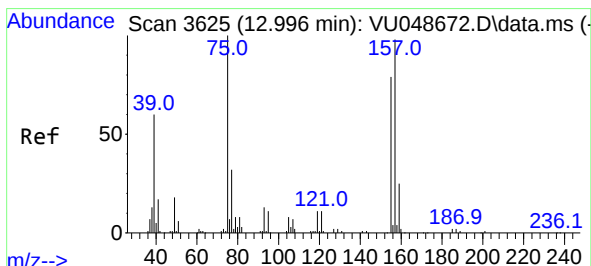
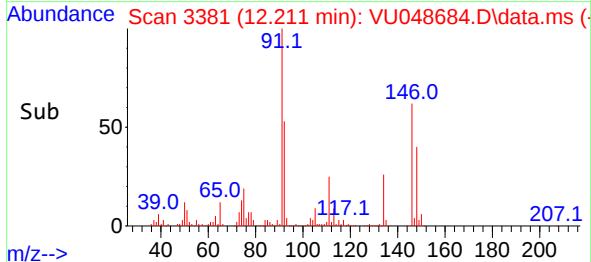
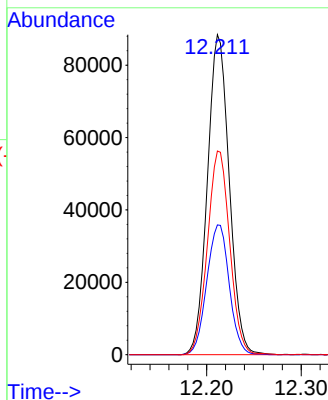
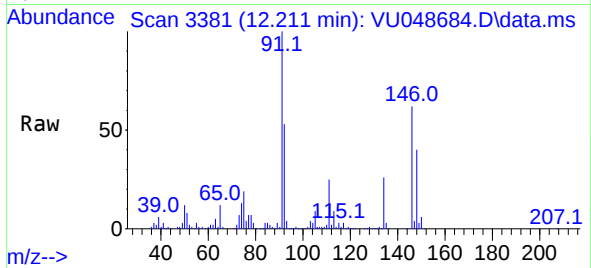




#91  
1,2-Dichlorobenzene  
Concen: 18.796 ug/l  
RT: 12.211 min Scan# 3381  
Delta R.T. 0.000 min  
Lab File: VU048684.D  
Acq: 27 May 2022 11:33

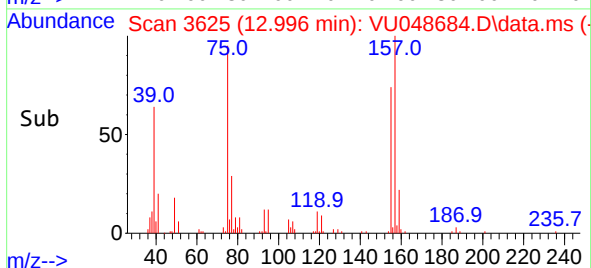
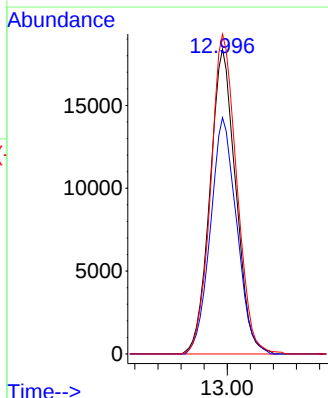
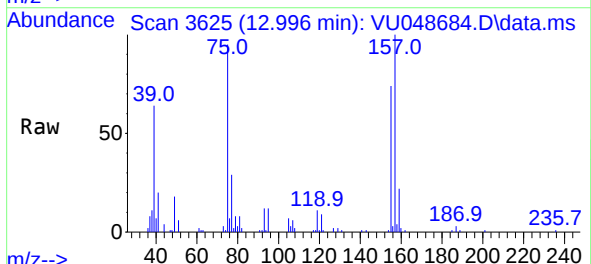
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0527WBS01

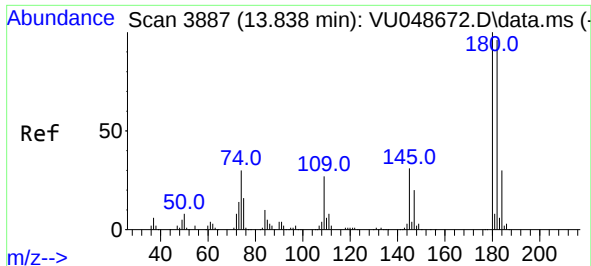
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 146   | Resp: | 141805 |
| Ion      | Ratio | Lower | Upper  |
| 146      | 100   |       |        |
| 111      | 41.8  | 21.4  | 64.3   |
| 148      | 65.1  | 32.0  | 96.2   |



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 17.109 ug/l  
RT: 12.996 min Scan# 3625  
Delta R.T. 0.000 min  
Lab File: VU048684.D  
Acq: 27 May 2022 11:33

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 28511 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 155      | 78.8  | 40.3  | 120.8 |
| 157      | 105.8 | 50.0  | 150.0 |

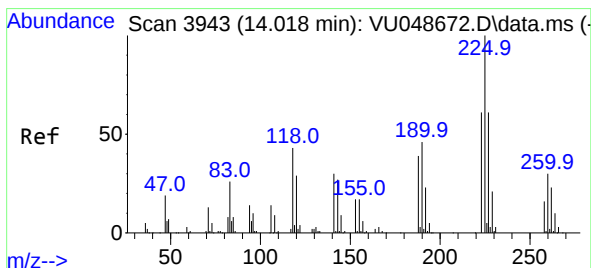
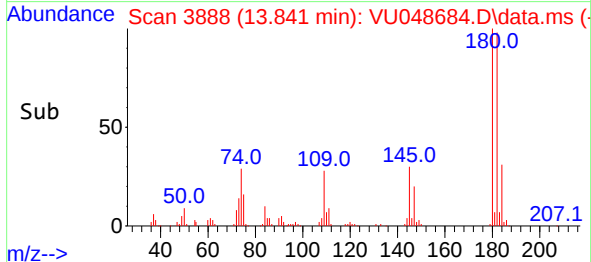
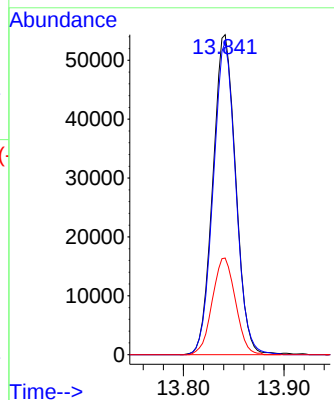
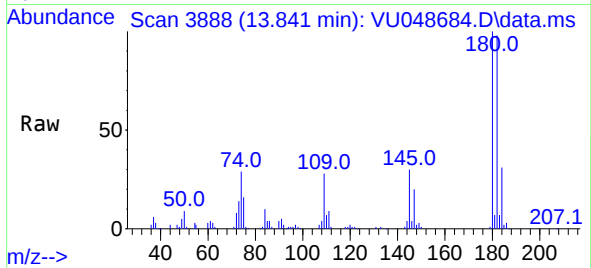




#93  
1,2,4-Trichlorobenzene  
Concen: 17.294 ug/l  
RT: 13.841 min Scan# 3887  
Delta R.T. 0.003 min  
Lab File: VU048684.D  
Acq: 27 May 2022 11:33

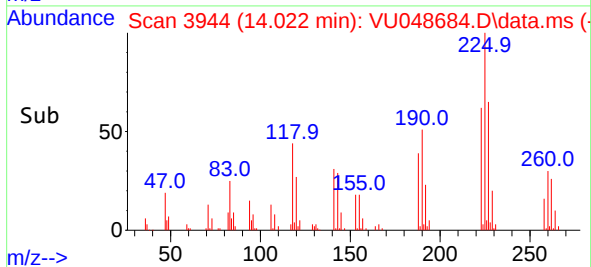
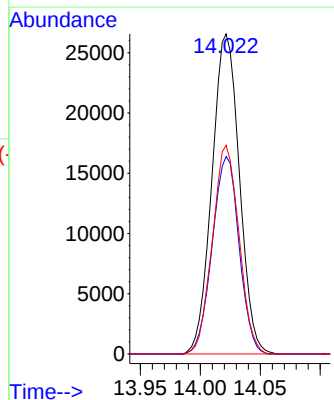
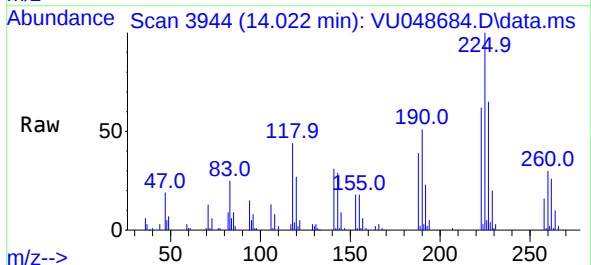
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0527WBS01

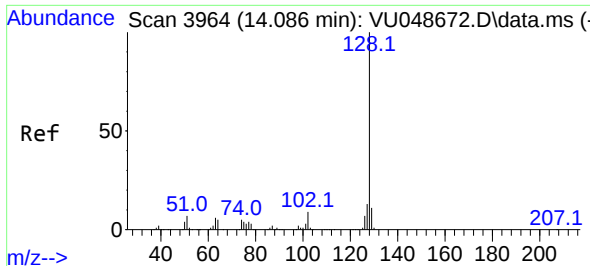
Tgt Ion:180 Resp: 85618  
Ion Ratio Lower Upper  
180 100  
182 96.5 48.3 144.9  
145 30.6 15.6 46.7



#94  
Hexachlorobutadiene  
Concen: 17.801 ug/l  
RT: 14.022 min Scan# 3944  
Delta R.T. 0.004 min  
Lab File: VU048684.D  
Acq: 27 May 2022 11:33

Tgt Ion:225 Resp: 42240  
Ion Ratio Lower Upper  
225 100  
223 60.2 30.9 92.8  
227 63.2 31.1 93.5



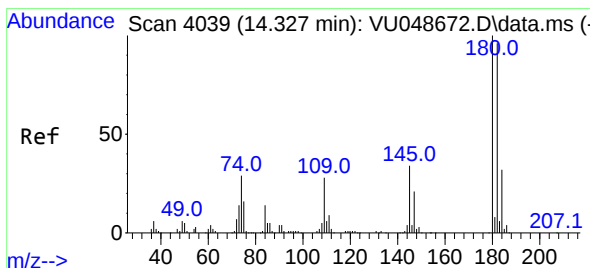
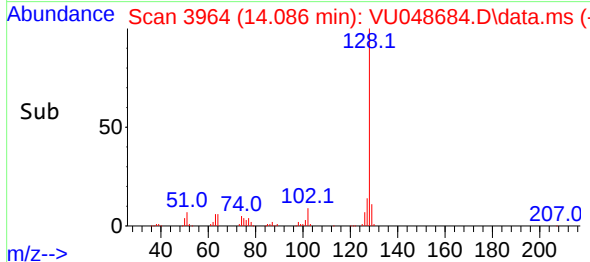
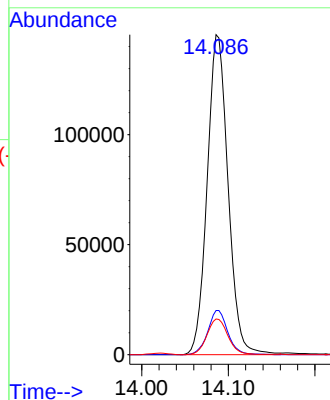
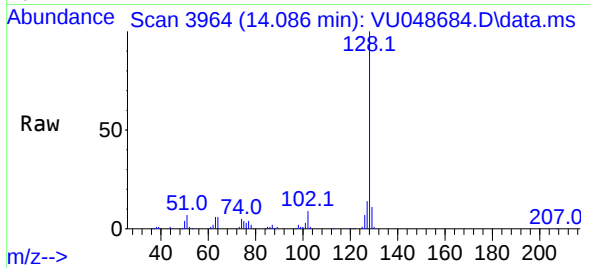


#95  
Naphthalene  
Concen: 15.911 ug/l  
RT: 14.086 min Scan# 3964  
Delta R.T. -0.000 min  
Lab File: VU048684.D  
Acq: 27 May 2022 11:33

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0527WBS01

Tgt Ion:128 Resp: 243680

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 127 | 13.3  | 10.2  | 15.4  |
| 129 | 11.3  | 8.7   | 13.1  |



#96  
1,2,3-Trichlorobenzene  
Concen: 17.828 ug/l  
RT: 14.330 min Scan# 4040  
Delta R.T. 0.004 min  
Lab File: VU048684.D  
Acq: 27 May 2022 11:33

Tgt Ion:180 Resp: 87417

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 93.7  | 47.4  | 142.2 |
| 145 | 31.5  | 16.6  | 49.8  |

