

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU082522\  
 Data File : VU050438.D  
 Acq On : 25 Aug 2022 09:33  
 Operator : SY/MD  
 Sample : VSTDCCC010  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC010

Quant Time: Aug 26 06:32:36 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U081922DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Thu Aug 25 14:01:59 2022  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon | Response | Conc   | Units    | Dev(Min) |
|------------------------------|--------|------|----------|--------|----------|----------|
| -----                        |        |      |          |        |          |          |
| Internal Standards           |        |      |          |        |          |          |
| 1) Fluorobenzene             | 6.115  | 96   | 41713    | 1.000  | ug/l     | # 0.00   |
| System Monitoring Compounds  |        |      |          |        |          |          |
| 57) 4-Bromofluorobenzene     | 10.632 | 95   | 19748    | 1.390  | ug/l     | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =      | 139.000% |          |
| 68) 1,2-Dichlorobenzene-d4   | 12.195 | 152  | 17010    | 1.013  | ug/l     | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =      | 101.000% |          |
| Target Compounds             |        |      |          |        |          |          |
|                              |        |      |          |        |          | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.385  | 85   | 148963   | 8.622  | ug/l     | 100      |
| 3) Chloromethane             | 1.517  | 50   | 188396   | 8.965  | ug/l     | 99       |
| 4) Vinyl Chloride            | 1.604  | 62   | 162160   | 9.030  | ug/l     | 99       |
| 5) Bromomethane              | 1.851  | 94   | 67678    | 9.210  | ug/l     | 97       |
| 6) Chloroethane              | 1.932  | 64   | 99135    | 9.128  | ug/l     | 99       |
| 7) Trichlorofluoromethane    | 2.138  | 101  | 196727   | 8.780  | ug/l     | 99       |
| 8) 1,1,2-Trichloro-1,2,2-... | 2.581  | 101  | 112321   | 8.963  | ug/l     | 96       |
| 9) 1,1-Dichloroethene        | 2.581  | 96   | 110602   | 9.003  | ug/l     | 98       |
| 10) Iodomethane              | 2.720  | 142  | 109484   | 10.808 | ug/l     | 96       |
| 11) Allyl Chloride           | 2.922  | 41   | 180671   | 9.541  | ug/l     | 95       |
| 12) Acrylonitrile            | 3.318  | 53   | 77702    | 21.088 | ug/l     | # 92     |
| 13) Acetone                  | 2.630  | 43   | 116748   | 45.305 | ug/l     | 93       |
| 14) Carbon Disulfide         | 2.790  | 76   | 319708   | 8.401  | ug/l     | 99       |
| 15) Methylene Chloride       | 3.044  | 84   | 146303   | 8.802  | ug/l     | 96       |
| 16) trans-1,2-Dichloroethene | 3.350  | 96   | 121074   | 9.536  | ug/l     | 96       |
| 17) 1,1-Dichloroethane       | 3.864  | 63   | 254533   | 9.625  | ug/l     | 99       |
| 18) 2-Butanone               | 4.723  | 43   | 204059   | 50.346 | ug/l     | 99       |
| 19) Cyclohexane              | 5.382  | 56   | 157698m  | 8.217  | ug/l     |          |
| 20) Methylcyclohexane        | 6.761  | 83   | 168760   | 11.156 | ug/l     | 98       |
| 21) 2,2-Dichloropropane      | 4.662  | 77   | 171403   | 8.528  | ug/l     | 99       |
| 22) cis-1,2-Dichloroethene   | 4.665  | 96   | 141370   | 9.842  | ug/l     | 97       |
| 23) Diethyl Ether            | 2.379  | 59   | 105448   | 9.992  | ug/l     | 98       |
| 24) tert-Butyl Alcohol       | 3.199  | 59   | 127837   | 95.712 | ug/l     | 97       |
| 25) Methyl tert-Butyl Ether  | 3.369  | 73   | 330683   | 10.133 | ug/l     | 95       |
| 26) Bromochloromethane       | 4.973  | 128  | 66706    | 11.574 | ug/l     | 93       |
| 27) Chloroform               | 5.086  | 83   | 249813   | 9.748  | ug/l     | 96       |
| 28) 1,1,1-Trichloroethane    | 5.314  | 97   | 192053   | 8.783  | ug/l     | 98       |
| 29) 1,1-Dichloropropene      | 5.523  | 75   | 163653   | 9.342  | ug/l     | 100      |
| 30) Carbon Tetrachloride     | 5.520  | 117  | 158073   | 9.030  | ug/l     | 98       |
| 31) Isopropyl Ether          | 4.002  | 45   | 410504   | 10.005 | ug/l     | 98       |
| 32) Ethyl-t-butyl ether      | 4.514  | 59   | 285440   | 8.855  | ug/l     | 98       |
| 33) Tert-Amyl methyl ether   | 5.951  | 73   | 240759   | 11.457 | ug/l     | 99       |
| 34) Propionitrile            | 4.790  | 54   | 67617    | 56.479 | ug/l     | # 95     |
| 35) Benzene                  | 5.771  | 78   | 528585   | 10.265 | ug/l     | 99       |
| 36) 1,2-Dichloroethane       | 5.797  | 62   | 155705   | 9.904  | ug/l     | 99       |
| 37) Trichloroethene          | 6.543  | 130  | 124680   | 10.101 | ug/l     | 100      |
| 38) 1,2-Dichloropropane      | 6.793  | 63   | 146246   | 10.581 | ug/l     | 100      |
| 39) Methacrylonitrile        | 4.983  | 41   | 44099    | 8.977  | ug/l     | 92       |
| 40) Methyl acrylate          | 4.855  | 55   | 76783    | 10.261 | ug/l     | 99       |
| 41) Tetrahydrofuran          | 5.073  | 42   | 48092    | 19.552 | ug/l     | 95       |
| 42) 1-Chlorobutane           | 5.456  | 56   | 227643   | 9.126  | ug/l     | 95       |
| 43) Dibromomethane           | 6.919  | 93   | 77240    | 10.367 | ug/l     | 97       |
| 44) Bromodichloromethane     | 7.108  | 83   | 182565   | 10.384 | ug/l     | 98       |

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

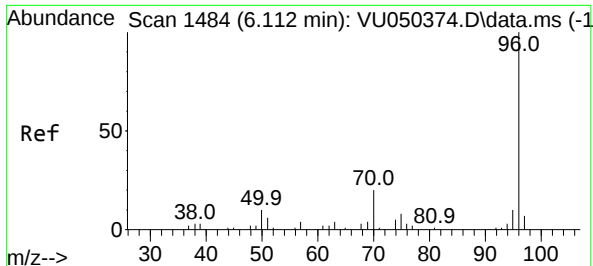
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC010

Quant Time: Aug 26 06:32:36 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U081922DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Thu Aug 25 14:01:59 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 45) 4-Methyl-2-Pentanone      | 7.800  | 43   | 457468   | 61.170 | ug/l   | 98       |
| 46) t-1,4-Dichloro-2-butene   | 10.832 | 75   | 77883m   | 17.505 | ug/l   |          |
| 47) Methyl methacrylate       | 6.967  | 69   | 141546   | 20.253 | ug/l   | 92       |
| 48) Ethyl methacrylate        | 8.337  | 69   | 126334   | 9.999  | ug/l   | 93       |
| 49) Toluene                   | 7.970  | 92   | 322004   | 11.639 | ug/l   | 98       |
| 50) t-1,3-Dichloropropene     | 8.211  | 75   | 159920   | 11.682 | ug/l   | 98       |
| 51) cis-1,3-Dichloropropene   | 7.610  | 75   | 184179   | 11.752 | ug/l   | 94       |
| 52) 1,1,2-Trichloroethane     | 8.401  | 97   | 112964   | 10.316 | ug/l   | 98       |
| 53) 1,3-Dichloropropane       | 8.578  | 76   | 189908   | 11.013 | ug/l   | 100      |
| 54) 2-Hexanone                | 8.690  | 43   | 320751   | 61.585 | ug/l   | 99       |
| 55) Dibromochloromethane      | 8.809  | 129  | 126282   | 10.484 | ug/l   | 99       |
| 56) 1,2-Dibromoethane         | 8.925  | 107  | 103021   | 10.475 | ug/l   | 100      |
| 58) Tetrachloroethene         | 8.552  | 164  | 111451   | 9.595  | ug/l   | 97       |
| 59) Chlorobenzene             | 9.446  | 112  | 337192   | 11.295 | ug/l   | 98       |
| 60) 1,1,1,2-Tetrachloroethane | 9.536  | 131  | 126498   | 10.081 | ug/l   | 97       |
| 61) Pentachloroethane         | 11.427 | 117  | 106543   | 10.203 | ug/l   | 96       |
| 62) Hexachloroethane          | 12.475 | 117  | 94244    | 10.849 | ug/l   | 100      |
| 63) Ethyl Benzene             | 9.571  | 91   | 582037   | 9.656  | ug/l   | 100      |
| 64) m/p-Xylenes               | 9.694  | 106  | 462654   | 19.333 | ug/l   | 99       |
| 65) o-Xylene                  | 10.102 | 106  | 219699   | 9.849  | ug/l   | 97       |
| 66) Styrene                   | 10.115 | 104  | 386899   | 9.740  | ug/l   | 97       |
| 67) Bromoform                 | 10.292 | 173  | 73947    | 10.810 | ug/l   | 99       |
| 69) Isopropylbenzene          | 10.485 | 105  | 567910   | 9.644  | ug/l   | 99       |
| 70) 1,1,2,2-Tetrachloroethane | 10.784 | 83   | 159027   | 10.553 | ug/l   | 99       |
| 71) 1,2,3-Trichloropropane    | 10.825 | 75   | 108678m  | 9.590  | ug/l   |          |
| 72) Bromobenzene              | 10.784 | 156  | 142869   | 11.085 | ug/l   | 97       |
| 73) n-propylbenzene           | 10.906 | 120  | 150735   | 9.197  | ug/l   | 98       |
| 74) 2-Chlorotoluene           | 10.986 | 126  | 141870   | 9.527  | ug/l   | 99       |
| 75) 1,3,5-Trimethylbenzene    | 11.089 | 105  | 515718   | 9.784  | ug/l   | 99       |
| 76) 4-Chlorotoluene           | 11.099 | 126  | 141961   | 9.156  | ug/l   | 89       |
| 77) tert-Butylbenzene         | 11.420 | 119  | 477835   | 9.635  | ug/l   | 97       |
| 78) 1,2,4-Trimethylbenzene    | 11.468 | 105  | 528532   | 9.599  | ug/l   | 98       |
| 79) sec-Butylbenzene          | 11.645 | 105  | 627683   | 9.271  | ug/l   | 100      |
| 80) Nitrobenzene              | 13.211 | 77   | 42371    | 51.829 | ug/l # | 99       |
| 81) p-Isopropyltoluene        | 11.793 | 119  | 513888   | 9.294  | ug/l   | 99       |
| 82) 1,3-Dichlorobenzene       | 11.745 | 146  | 281317   | 10.600 | ug/l   | 99       |
| 83) 1,4-Dichlorobenzene       | 11.838 | 146  | 290003   | 10.992 | ug/l   | 98       |
| 84) n-Butylbenzene            | 12.208 | 91   | 433995   | 8.623  | ug/l   | 97       |
| 85) 1,2-Dichlorobenzene       | 12.211 | 146  | 284231   | 10.894 | ug/l   | 98       |
| 86) 1,2-Dibromo-3-Chloropr... | 12.996 | 75   | 25299    | 10.639 | ug/l   | 95       |
| 87) 1,2,4-Trichlorobenzene    | 13.841 | 180  | 158849   | 10.671 | ug/l   | 99       |
| 88) Hexachlorobutadiene       | 14.021 | 225  | 94004    | 9.703  | ug/l   | 99       |
| 89) Naphthalene               | 14.089 | 128  | 351281   | 8.827  | ug/l   | 99       |
| 90) 1,2,3-Trichlorobenzene    | 14.330 | 180  | 169666   | 8.880  | ug/l   | 99       |

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

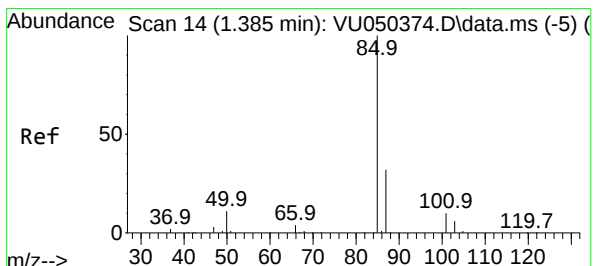
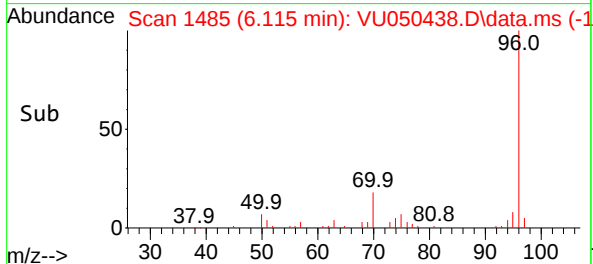
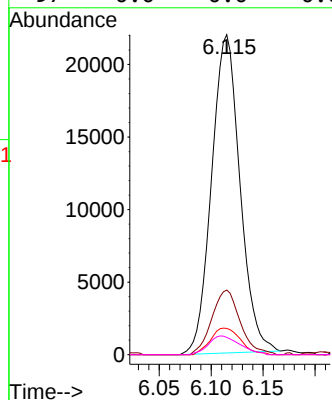
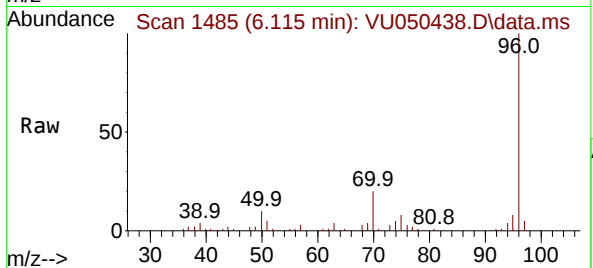




#1  
Fluorobenzene  
Concen: 1.000 ug/l  
RT: 6.115 min Scan# 14  
Delta R.T. -0.000 min  
Lab File: VU050438.D  
Acq: 25 Aug 2022 09:33

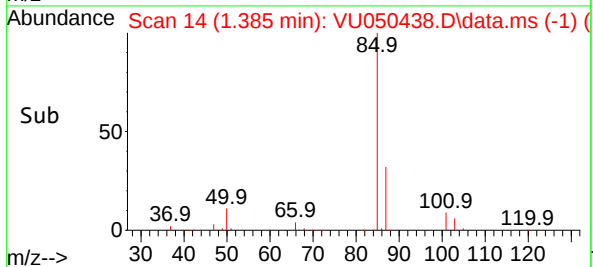
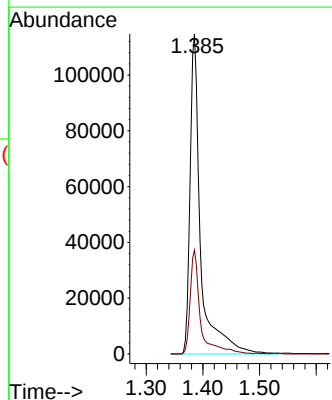
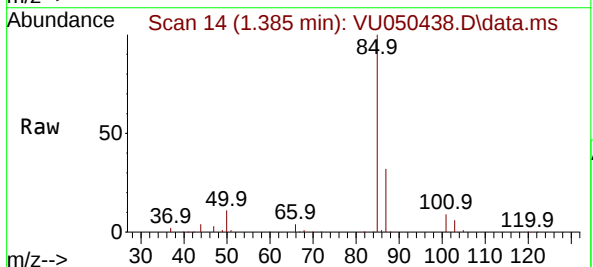
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010

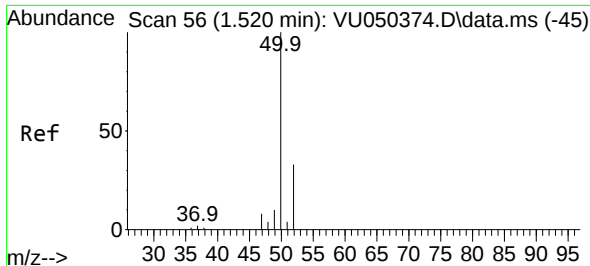
|             |             |
|-------------|-------------|
| Tgt Ion: 96 | Resp: 41713 |
| Ion Ratio   | Lower Upper |
| 96 100      |             |
| 70 20.3     | 16.7 25.1   |
| 95 8.9      | 7.4 11.0    |
| 97 0.0      | 0.0 0.0     |



#2  
Dichlorodifluoromethane  
Concen: 8.622 ug/l  
RT: 1.385 min Scan# 14  
Delta R.T. 0.000 min  
Lab File: VU050438.D  
Acq: 25 Aug 2022 09:33

|             |              |
|-------------|--------------|
| Tgt Ion: 85 | Resp: 148963 |
| Ion Ratio   | Lower Upper  |
| 85 100      |              |
| 87 32.4     | 16.3 48.8    |

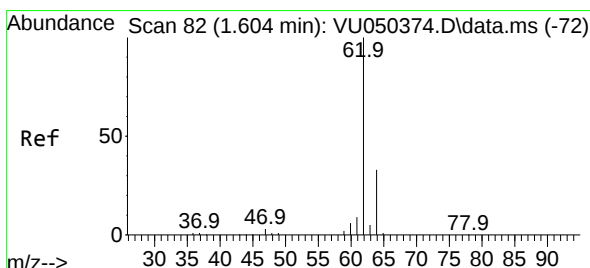
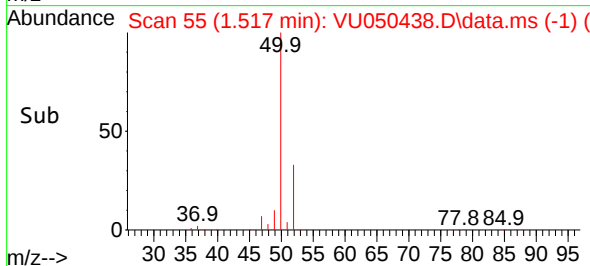
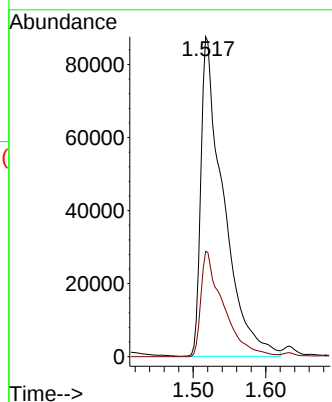
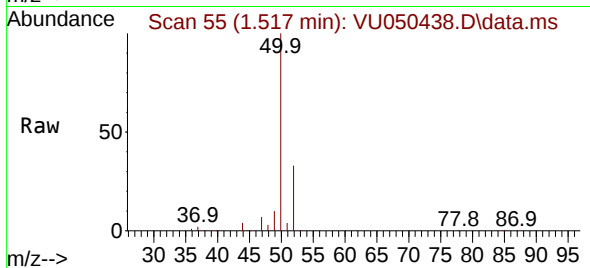




#3  
Chloromethane  
Concen: 8.965 ug/l  
RT: 1.517 min Scan# 51  
Delta R.T. -0.003 min  
Lab File: VU050438.D  
Acq: 25 Aug 2022 09:33

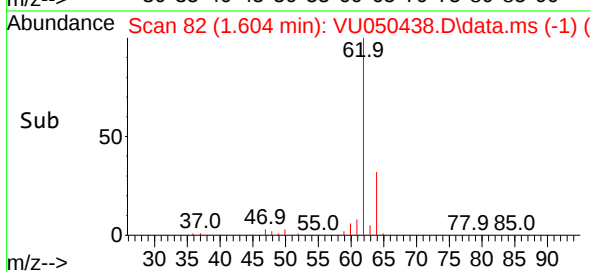
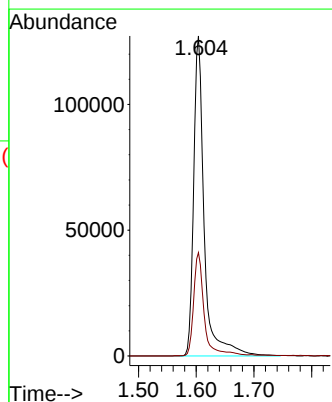
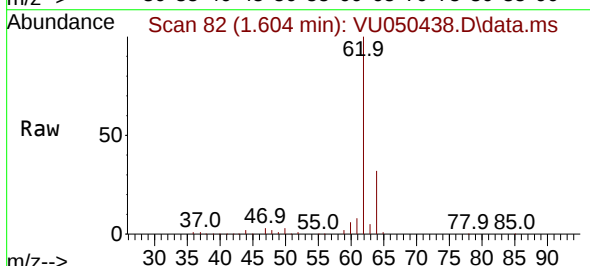
Instrument :  
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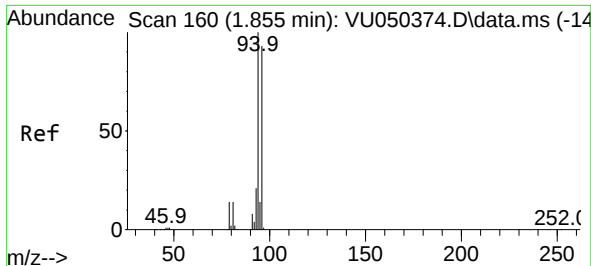
Tgt Ion: 50 Resp: 188396  
Ion Ratio Lower Upper  
50 100  
52 33.0 26.1 39.1



#4  
Vinyl Chloride  
Concen: 9.030 ug/l  
RT: 1.604 min Scan# 82  
Delta R.T. 0.000 min  
Lab File: VU050438.D  
Acq: 25 Aug 2022 09:33

Tgt Ion: 62 Resp: 162160  
Ion Ratio Lower Upper  
62 100  
64 32.2 25.5 38.3

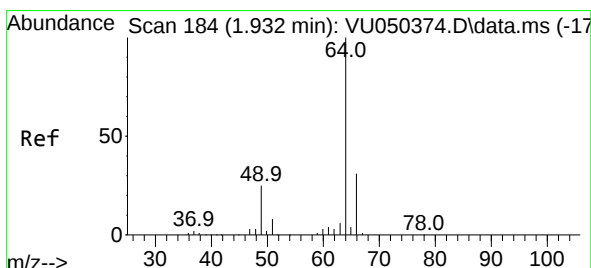
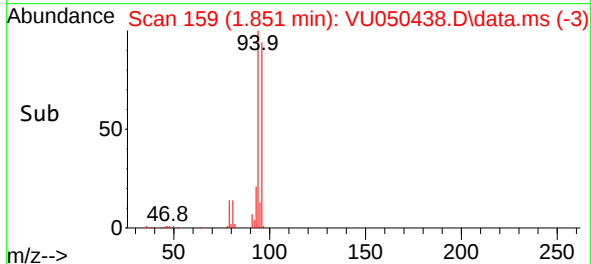
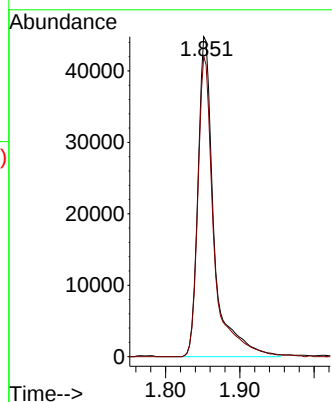
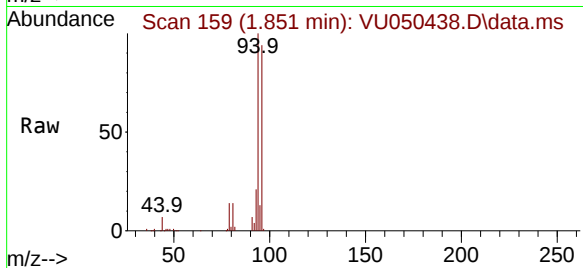




#5  
Bromomethane  
Concen: 9.210 ug/l  
RT: 1.851 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VU050438.D  
Acq: 25 Aug 2022 09:33

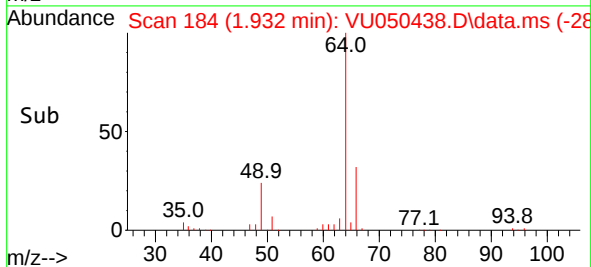
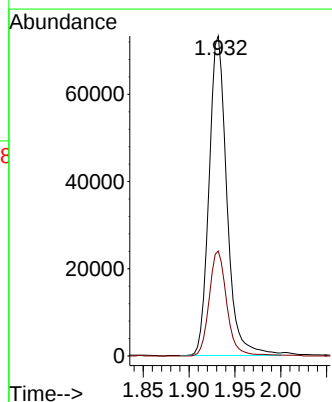
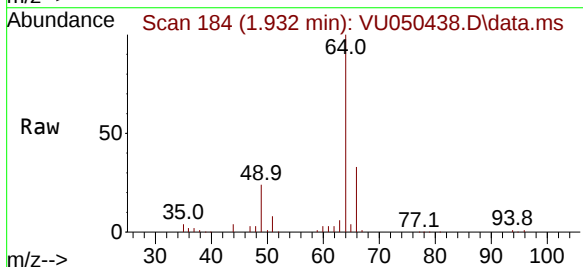
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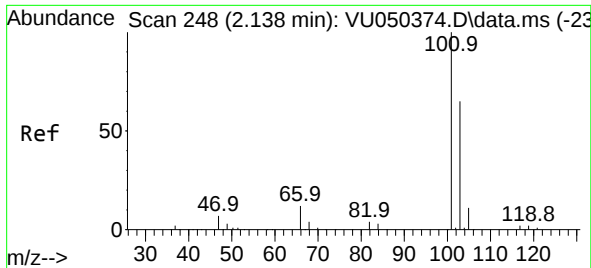
Tgt Ion: 94 Resp: 67678  
Ion Ratio Lower Upper  
94 100  
96 93.8 73.0 109.6



#6  
Chloroethane  
Concen: 9.128 ug/l  
RT: 1.932 min Scan# 184  
Delta R.T. 0.000 min  
Lab File: VU050438.D  
Acq: 25 Aug 2022 09:33

Tgt Ion: 64 Resp: 99135  
Ion Ratio Lower Upper  
64 100  
66 32.9 25.8 38.6

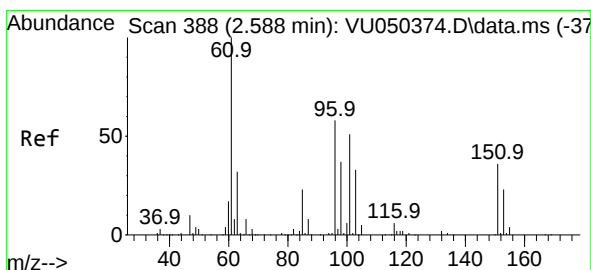
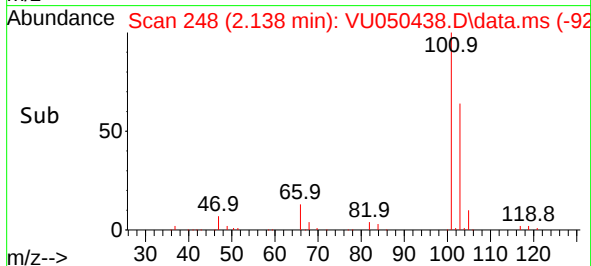
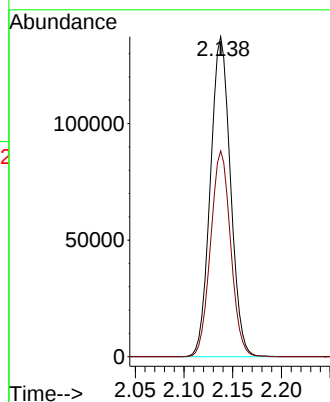
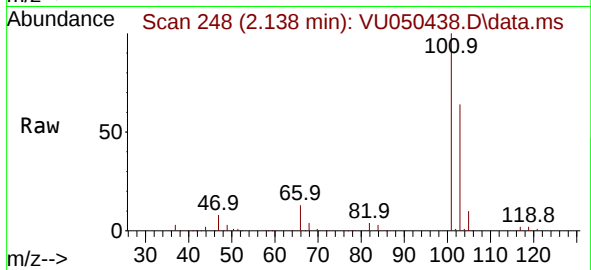




#7  
 Trichlorofluoromethane  
 Concen: 8.780 ug/l  
 RT: 2.138 min Scan# 248  
 Delta R.T. 0.000 min  
 Lab File: VU050438.D  
 Acq: 25 Aug 2022 09:33

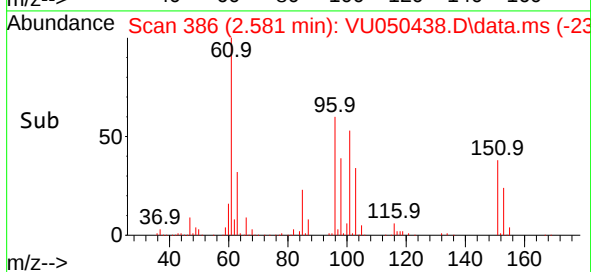
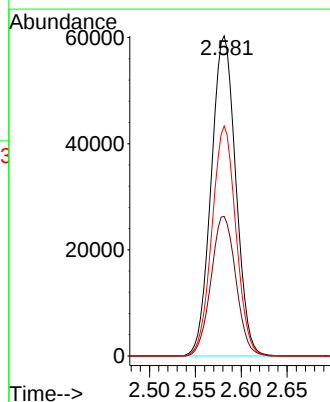
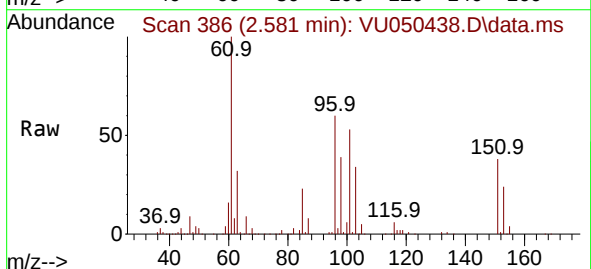
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC010

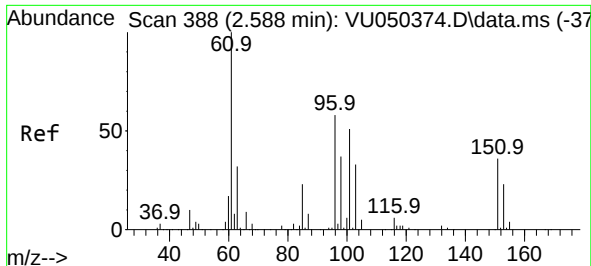
Tgt Ion:101 Resp: 196727  
 Ion Ratio Lower Upper  
 101 100  
 103 64.3 51.8 77.6



#8  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 8.963 ug/l  
 RT: 2.581 min Scan# 386  
 Delta R.T. 0.000 min  
 Lab File: VU050438.D  
 Acq: 25 Aug 2022 09:33

Tgt Ion:101 Resp: 112321  
 Ion Ratio Lower Upper  
 101 100  
 85 44.1 36.4 54.6  
 151 70.1 59.1 88.7

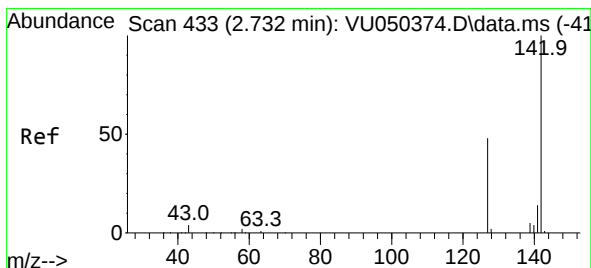
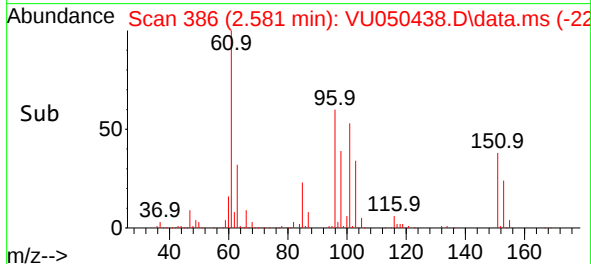
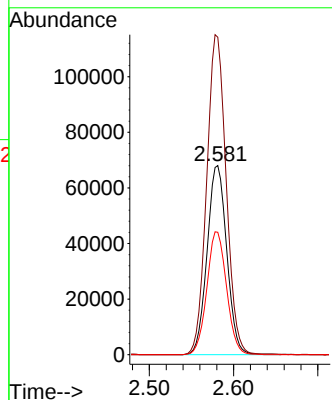
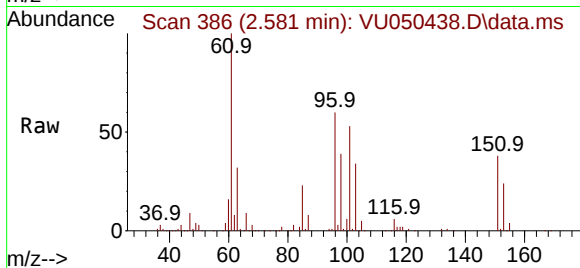




#9  
1,1-Dichloroethene  
Concen: 9.003 ug/l  
RT: 2.581 min Scan# 388  
Delta R.T. 0.003 min  
Lab File: VU050438.D  
Acq: 25 Aug 2022 09:33

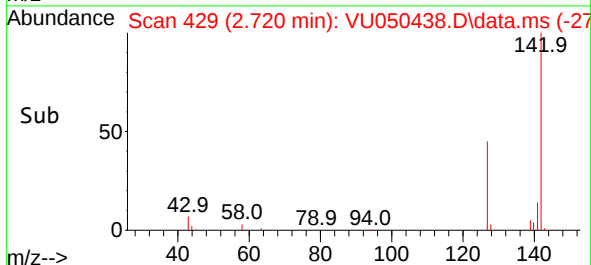
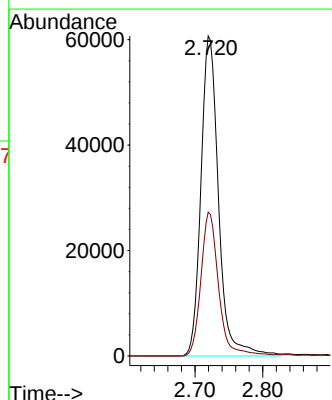
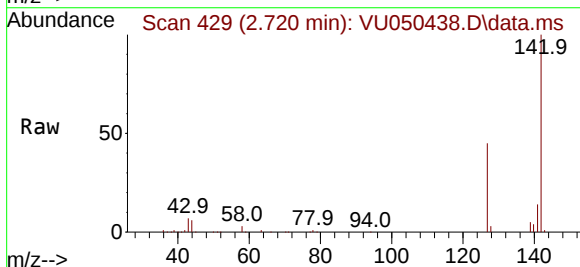
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010

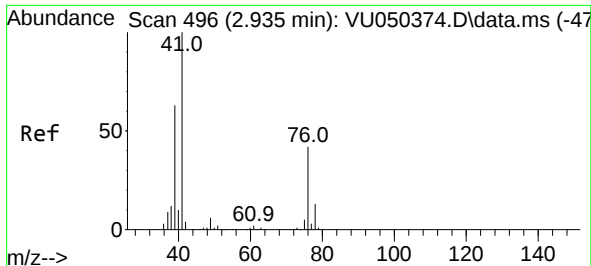
Tgt Ion: 96 Resp: 110602  
Ion Ratio Lower Upper  
96 100  
61 167.9 0.0 510.6  
98 64.7 0.0 124.6



#10  
Iodomethane  
Concen: 10.808 ug/l  
RT: 2.720 min Scan# 429  
Delta R.T. 0.000 min  
Lab File: VU050438.D  
Acq: 25 Aug 2022 09:33

Tgt Ion: 142 Resp: 109484  
Ion Ratio Lower Upper  
142 100  
127 45.3 38.2 57.2

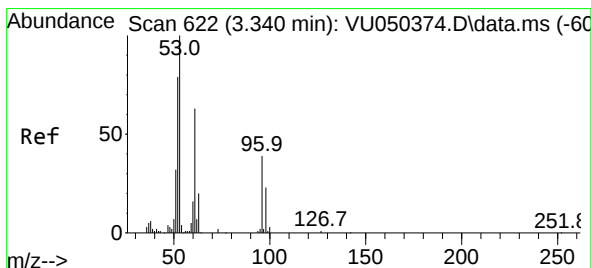
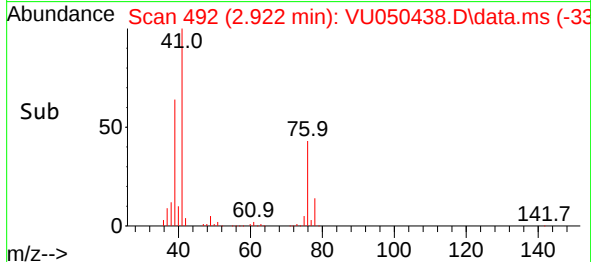
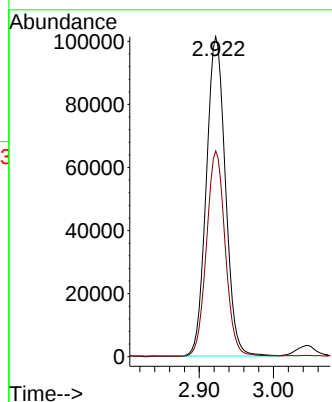
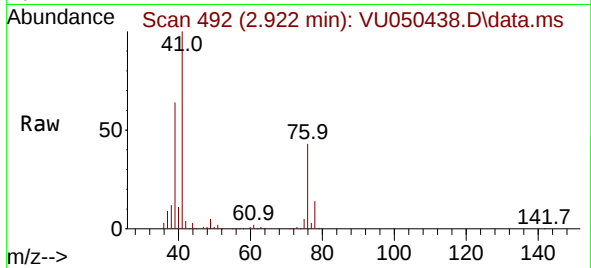




#11  
 Allyl Chloride  
 Concen: 9.541 ug/l  
 RT: 2.922 min Scan# 491  
 Delta R.T. 0.000 min  
 Lab File: VU050438.D  
 Acq: 25 Aug 2022 09:33

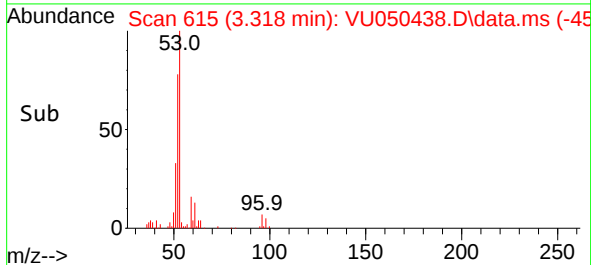
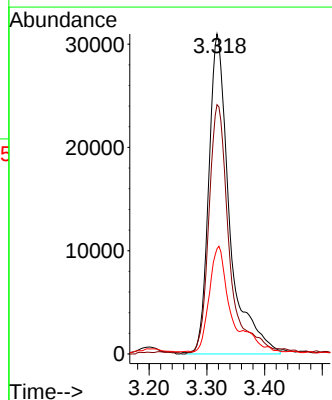
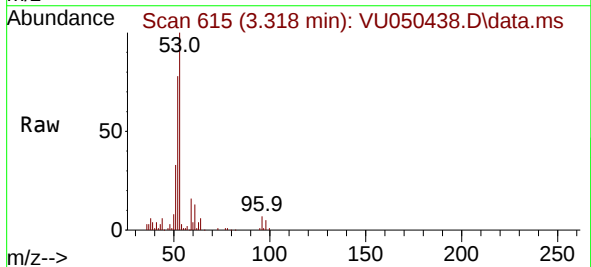
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC010

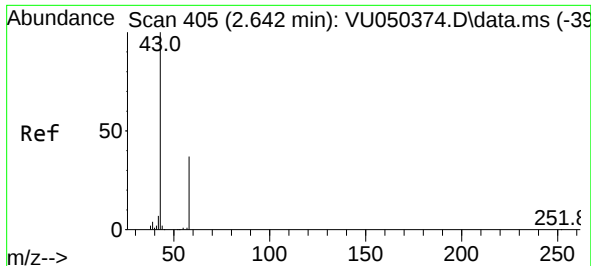
Tgt Ion: 41 Resp: 180671  
 Ion Ratio Lower Upper  
 41 100  
 39 62.8 53.2 79.8



#12  
 Acrylonitrile  
 Concen: 21.088 ug/l  
 RT: 3.318 min Scan# 615  
 Delta R.T. 0.000 min  
 Lab File: VU050438.D  
 Acq: 25 Aug 2022 09:33

Tgt Ion: 53 Resp: 77702  
 Ion Ratio Lower Upper  
 53 100  
 52 76.3 64.6 97.0  
 51 29.0 30.7 46.1#

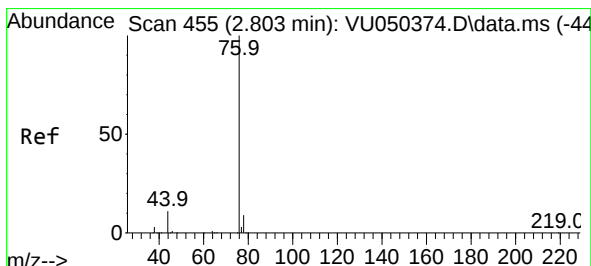
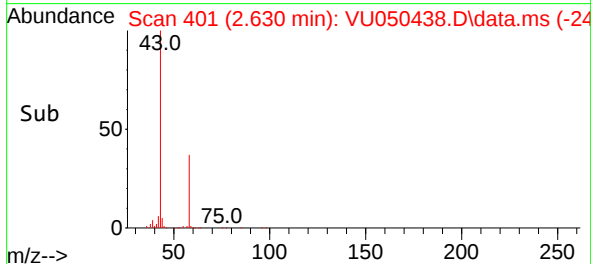
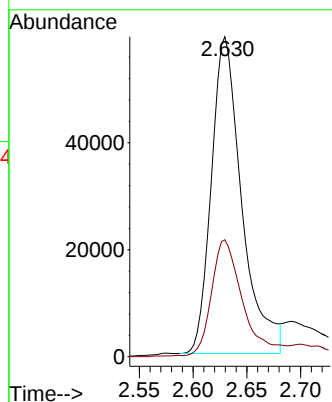
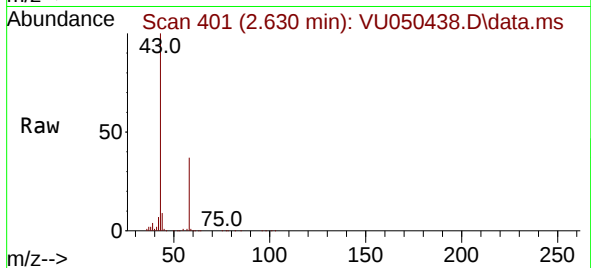




#13  
Acetone  
Concen: 45.305 ug/l  
RT: 2.630 min Scan# 405  
Delta R.T. 0.003 min  
Lab File: VU050438.D  
Acq: 25 Aug 2022 09:33

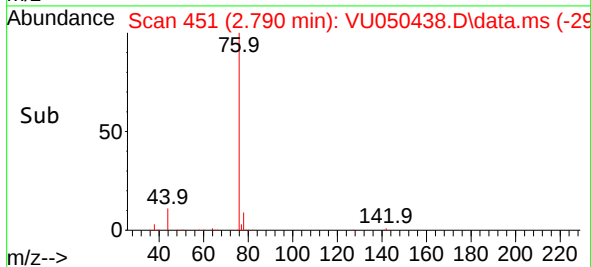
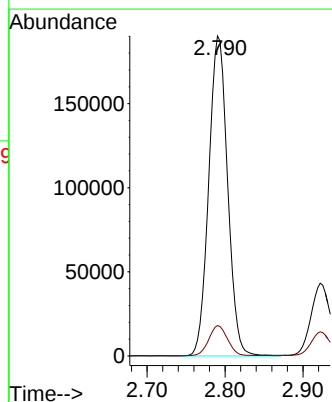
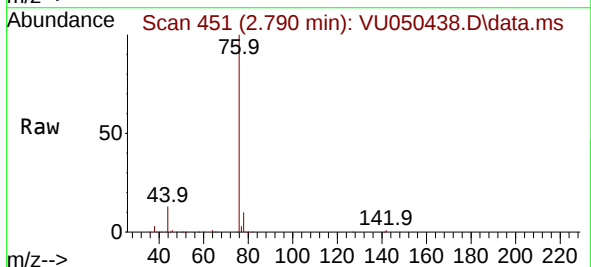
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010

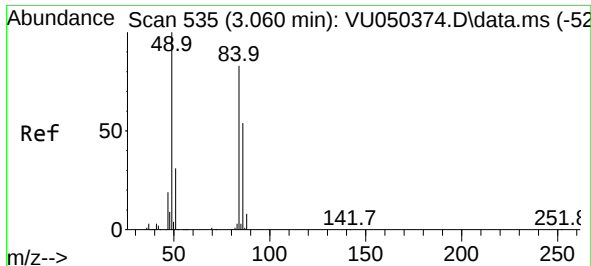
Tgt Ion: 43 Resp: 116748  
Ion Ratio Lower Upper  
43 100  
58 36.6 26.2 39.2



#14  
Carbon Disulfide  
Concen: 8.401 ug/l  
RT: 2.790 min Scan# 451  
Delta R.T. 0.000 min  
Lab File: VU050438.D  
Acq: 25 Aug 2022 09:33

Tgt Ion: 76 Resp: 319708  
Ion Ratio Lower Upper  
76 100  
78 9.4 7.4 11.0

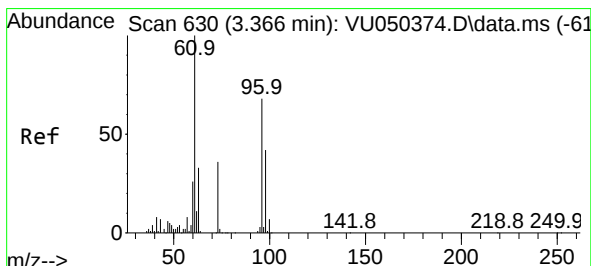
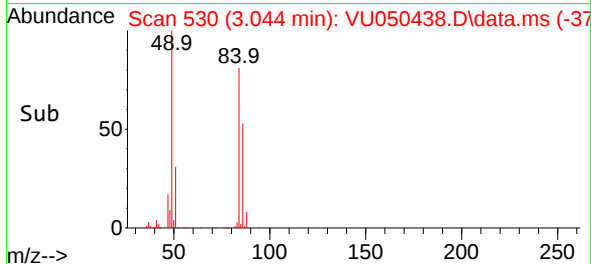
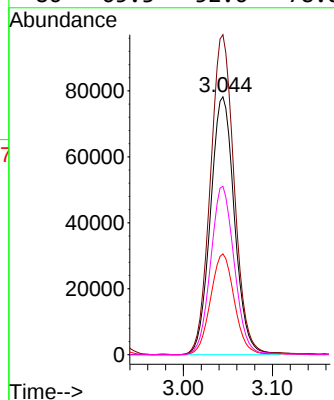
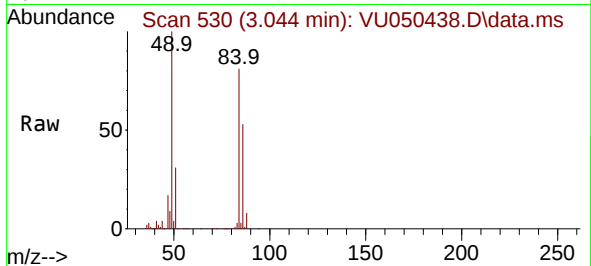




#15  
Methylene Chloride  
Concen: 8.802 ug/l  
RT: 3.044 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: VU050438.D  
Acq: 25 Aug 2022 09:33

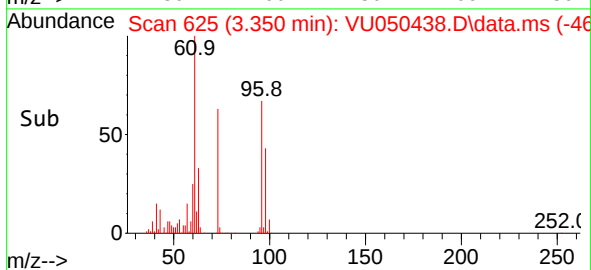
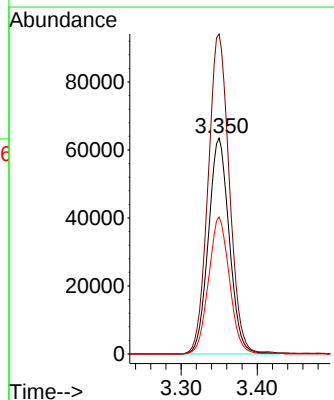
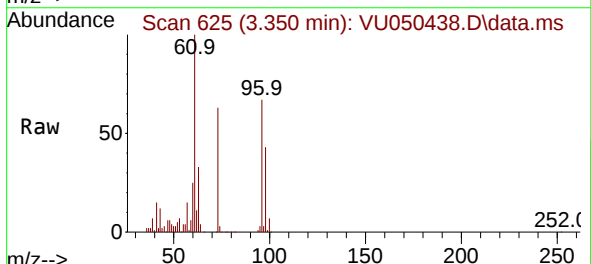
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010

Tgt Ion: 84 Resp: 146303  
Ion Ratio Lower Upper  
84 100  
49 124.1 104.6 157.0  
51 39.1 0.0 81.4  
86 65.3 52.6 78.8



#16  
trans-1,2-Dichloroethene  
Concen: 9.536 ug/l  
RT: 3.350 min Scan# 625  
Delta R.T. 0.000 min  
Lab File: VU050438.D  
Acq: 25 Aug 2022 09:33

Tgt Ion: 96 Resp: 121074  
Ion Ratio Lower Upper  
96 100  
61 148.3 123.4 185.0  
98 63.5 51.6 77.4

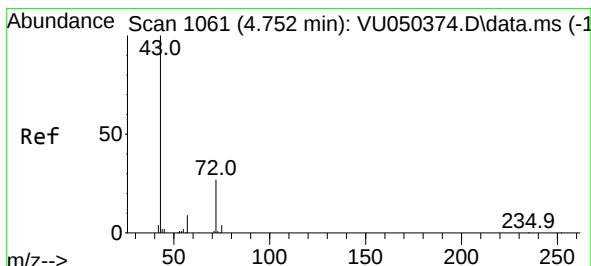
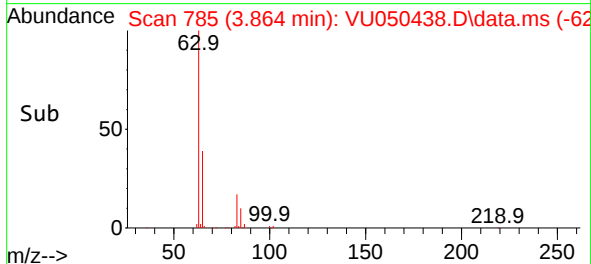
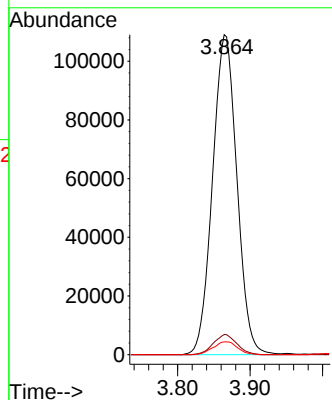
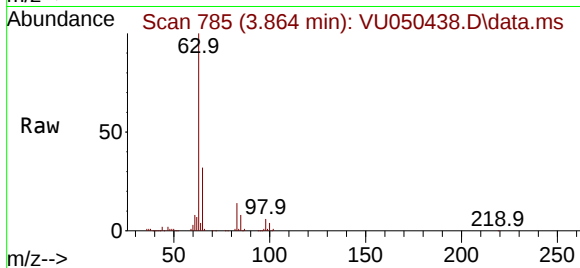




#17  
1,1-Dichloroethane  
Concen: 9.625 ug/l  
RT: 3.864 min Scan# 791  
Delta R.T. 0.000 min  
Lab File: VU050438.D  
Acq: 25 Aug 2022 09:33

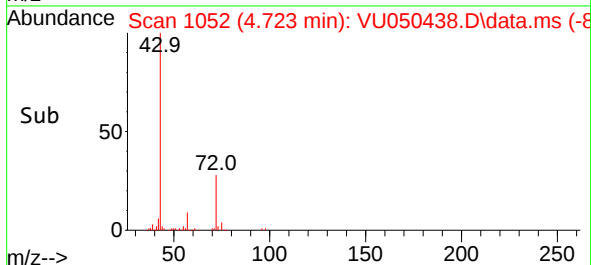
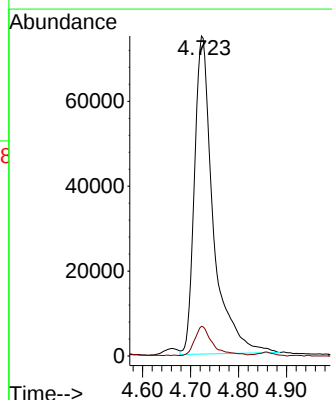
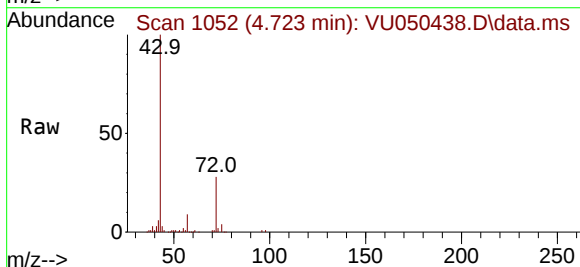
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010

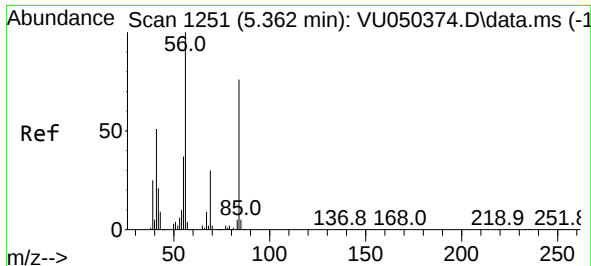
Tgt Ion: 63 Resp: 254533  
Ion Ratio Lower Upper  
63 100  
98 6.3 3.4 10.2  
100 4.0 2.0 6.0



#18  
2-Butanone  
Concen: 50.346 ug/l  
RT: 4.723 min Scan# 1052  
Delta R.T. 0.003 min  
Lab File: VU050438.D  
Acq: 25 Aug 2022 09:33

Tgt Ion: 43 Resp: 204059  
Ion Ratio Lower Upper  
43 100  
57 9.2 0.0 18.0





#19

Cyclohexane

Concen: 8.217 ug/l m

RT: 5.382 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU050438.D

Acq: 25 Aug 2022 09:33

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC010

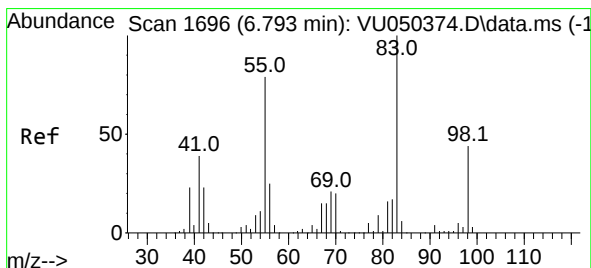
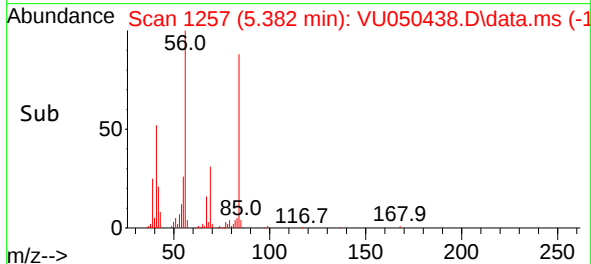
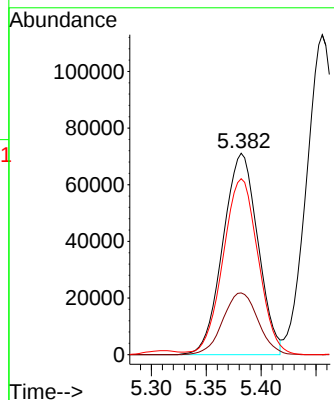
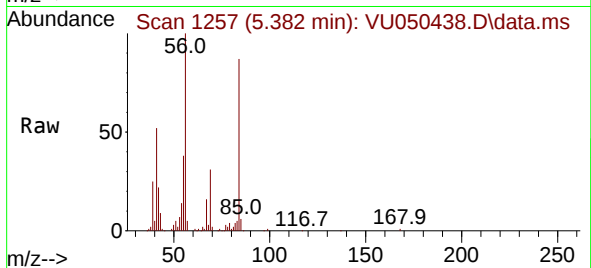
Tgt Ion: 56 Resp: 157698

Ion Ratio Lower Upper

56 100

69 30.9 24.2 36.4

84 85.7 63.4 95.2



#20

Methylcyclohexane

Concen: 11.156 ug/l

RT: 6.761 min Scan# 1686

Delta R.T. 0.000 min

Lab File: VU050438.D

Acq: 25 Aug 2022 09:33

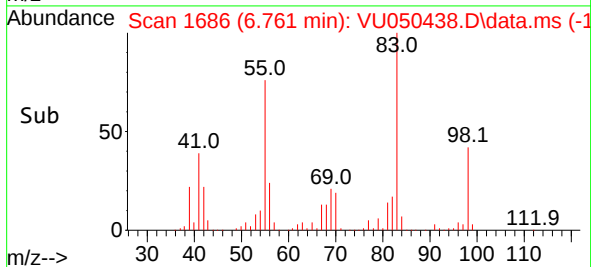
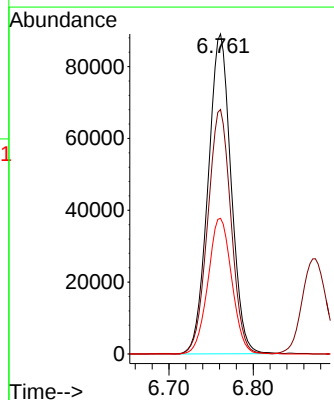
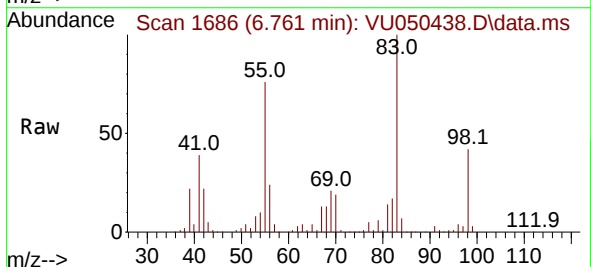
Tgt Ion: 83 Resp: 168760

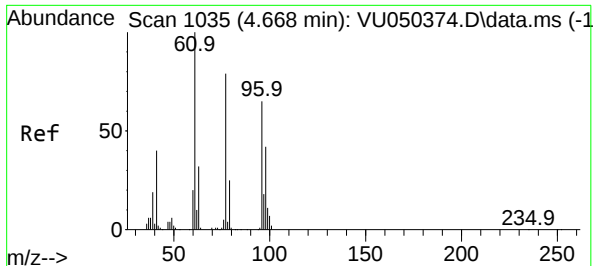
Ion Ratio Lower Upper

83 100

55 77.2 63.0 94.4

98 43.8 35.7 53.5





#21

2,2-Dichloropropane

Concen: 8.528 ug/l

RT: 4.662 min Scan# 1033

Delta R.T. -0.003 min

Lab File: VU050438.D

Acq: 25 Aug 2022 09:33

Instrument :

MSVOA\_U

ClientSampleId :

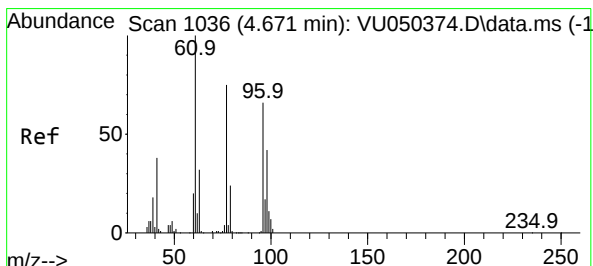
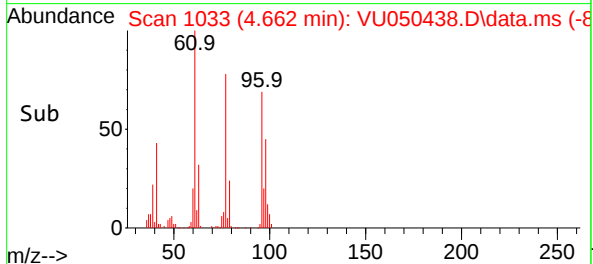
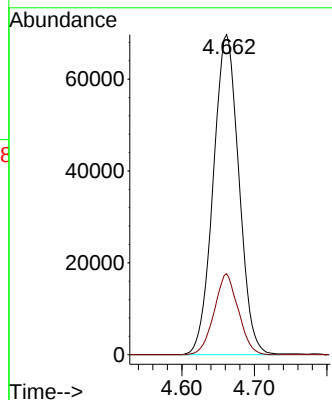
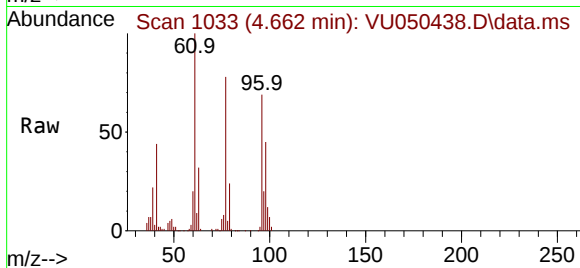
VSTDCCC010

Tgt Ion: 77 Resp: 171403

Ion Ratio Lower Upper

77 100

97 23.7 18.5 27.7



#22

cis-1,2-Dichloroethene

Concen: 9.842 ug/l

RT: 4.665 min Scan# 1034

Delta R.T. 0.000 min

Lab File: VU050438.D

Acq: 25 Aug 2022 09:33

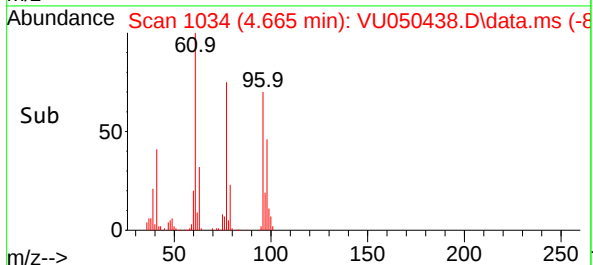
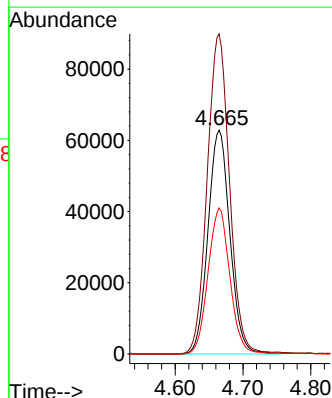
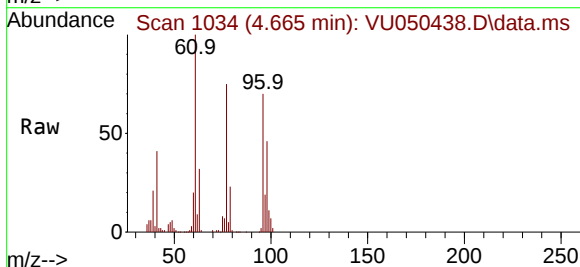
Tgt Ion: 96 Resp: 141370

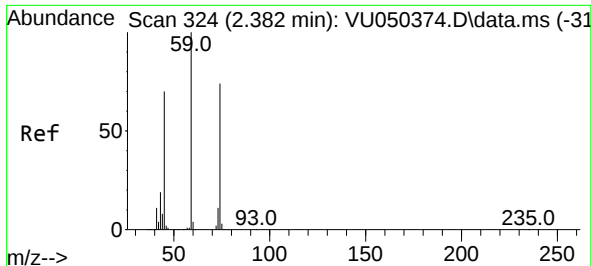
Ion Ratio Lower Upper

96 100

61 144.9 0.0 375.8

98 64.6 31.6 95.0

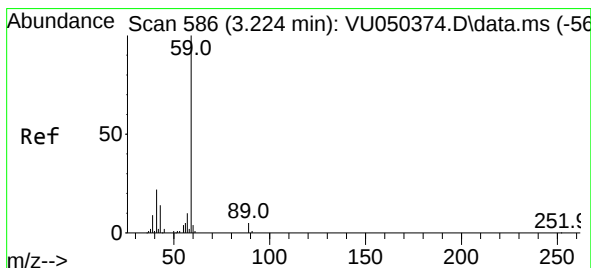
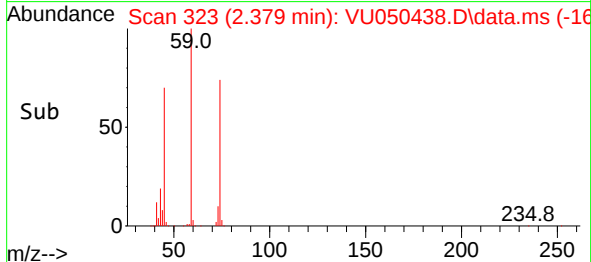
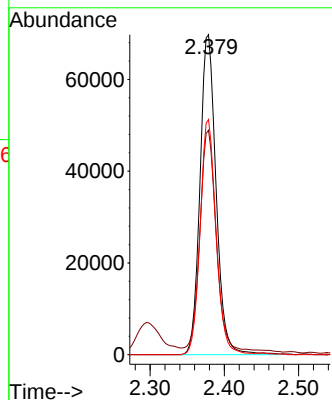
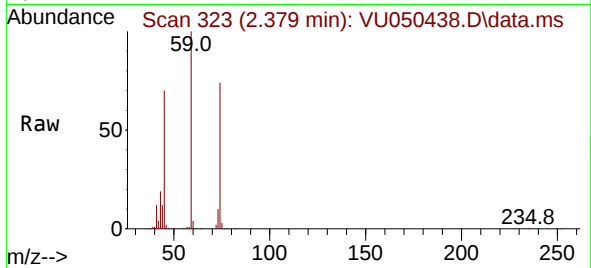




#23  
Diethyl Ether  
Concen: 9.992 ug/l  
RT: 2.379 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VU050438.D  
Acq: 25 Aug 2022 09:33

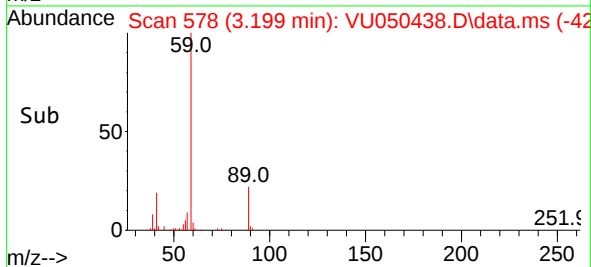
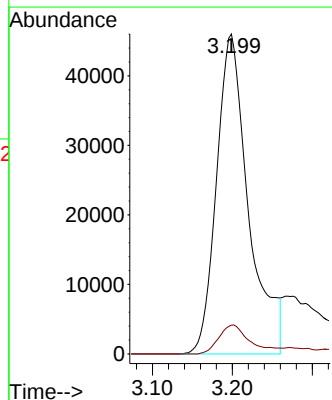
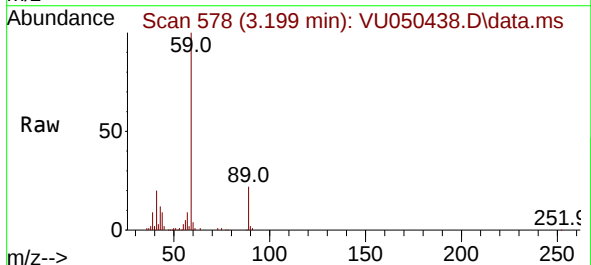
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010

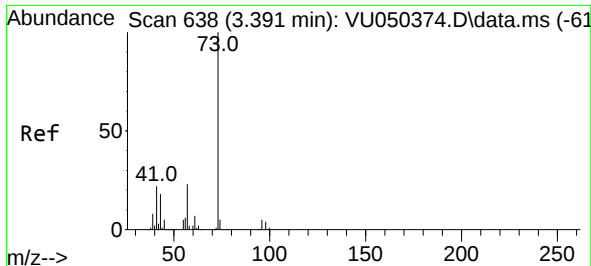
Tgt Ion: 59 Resp: 105448  
Ion Ratio Lower Upper  
59 100  
45 72.4 56.0 84.0  
74 72.4 57.6 86.4



#24  
tert-Butyl Alcohol  
Concen: 95.712 ug/l  
RT: 3.199 min Scan# 578  
Delta R.T. 0.004 min  
Lab File: VU050438.D  
Acq: 25 Aug 2022 09:33

Tgt Ion: 59 Resp: 127837  
Ion Ratio Lower Upper  
59 100  
57 9.1 8.2 12.2

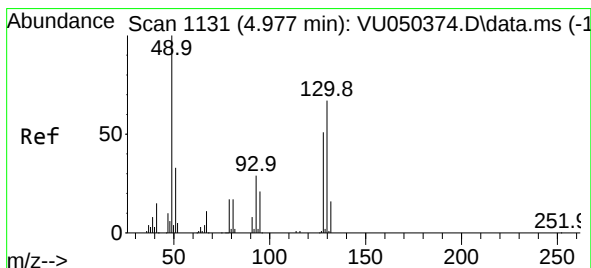
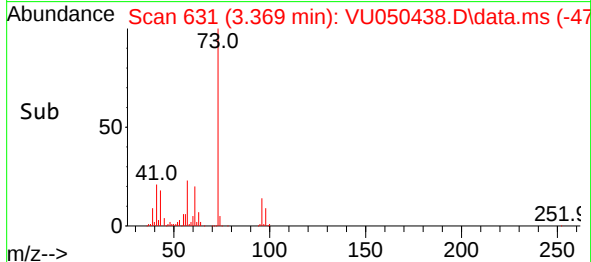
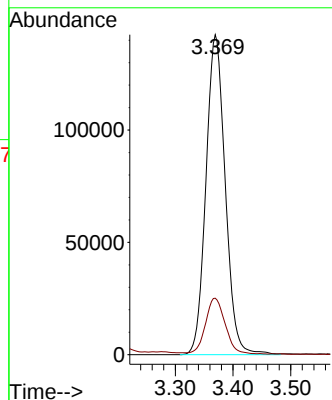
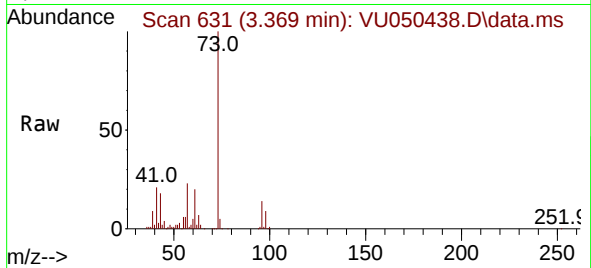




#25  
Methyl tert-Butyl Ether  
Concen: 10.133 ug/l  
RT: 3.369 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VU050438.D  
Acq: 25 Aug 2022 09:33

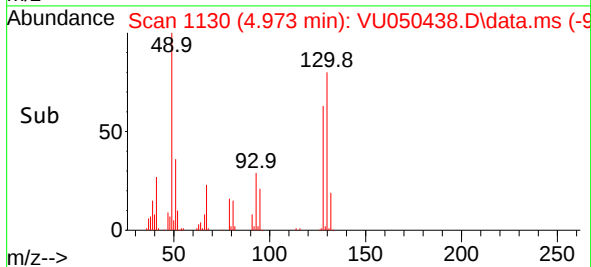
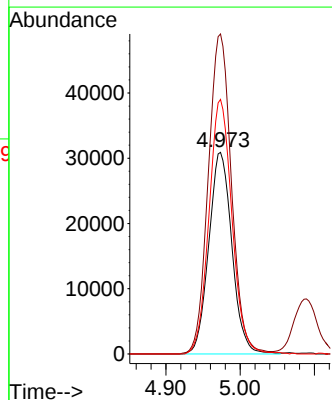
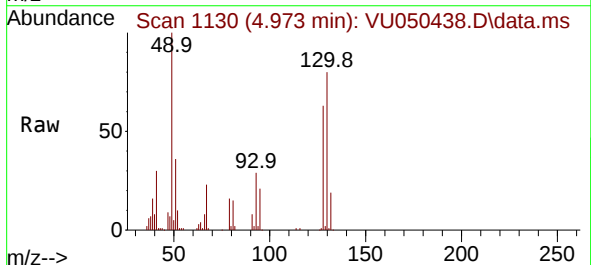
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010

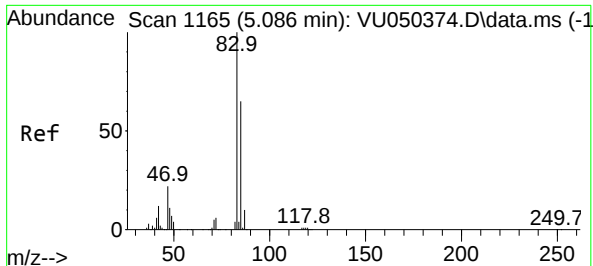
Tgt Ion: 73 Resp: 330683  
Ion Ratio Lower Upper  
73 100  
43 17.4 15.9 23.9



#26  
Bromochloromethane  
Concen: 11.574 ug/l  
RT: 4.973 min Scan# 1130  
Delta R.T. 0.000 min  
Lab File: VU050438.D  
Acq: 25 Aug 2022 09:33

Tgt Ion: 128 Resp: 66706  
Ion Ratio Lower Upper  
128 100  
49 159.3 0.0 349.2  
130 126.0 103.0 154.6





#27

Chloroform

Concen: 9.748 ug/l

RT: 5.086 min Scan# 1165

Delta R.T. -0.003 min

Lab File: VU050438.D

Acq: 25 Aug 2022 09:33

Instrument :

MSVOA\_U

ClientSampleId :

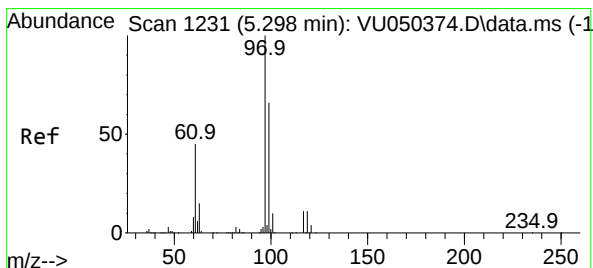
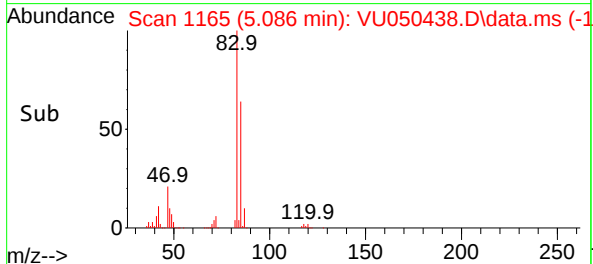
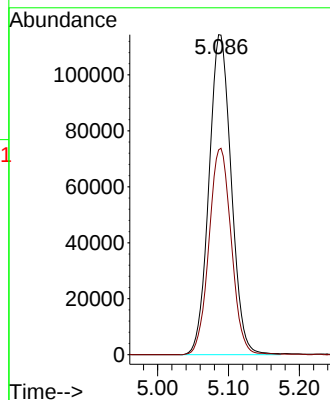
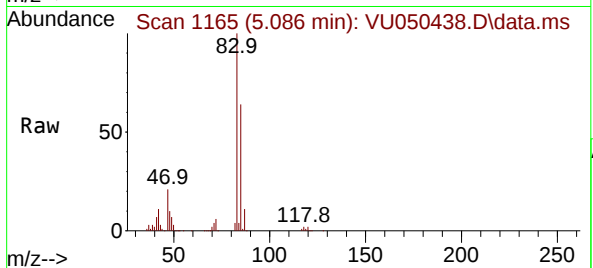
VSTDCCC010

Tgt Ion: 83 Resp: 249813

Ion Ratio Lower Upper

83 100

85 64.0 0.0 133.6



#28

1,1,1-Trichloroethane

Concen: 8.783 ug/l

RT: 5.314 min Scan# 1236

Delta R.T. 0.000 min

Lab File: VU050438.D

Acq: 25 Aug 2022 09:33

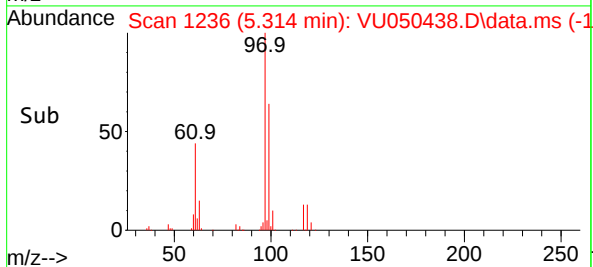
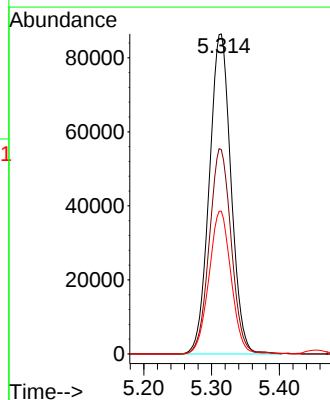
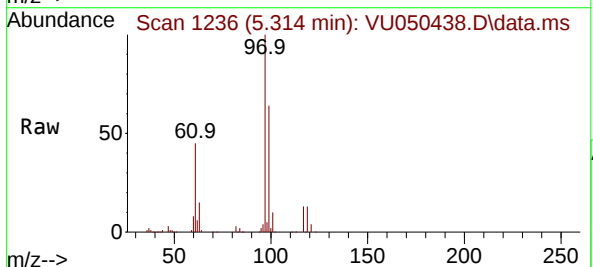
Tgt Ion: 97 Resp: 192053

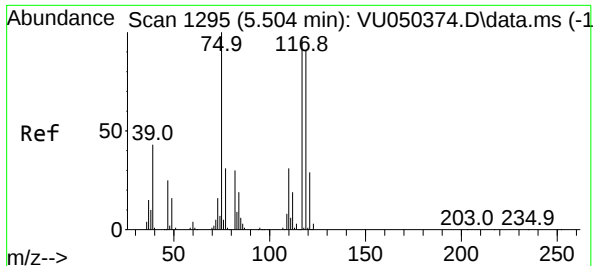
Ion Ratio Lower Upper

97 100

99 65.2 32.1 96.5

61 45.4 21.8 65.4





#29

1,1-Dichloropropene

Concen: 9.342 ug/l

RT: 5.523 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU050438.D

Acq: 25 Aug 2022 09:33

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC010

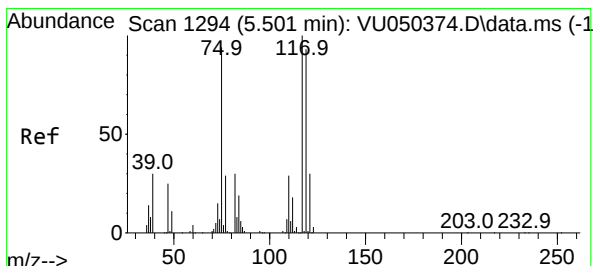
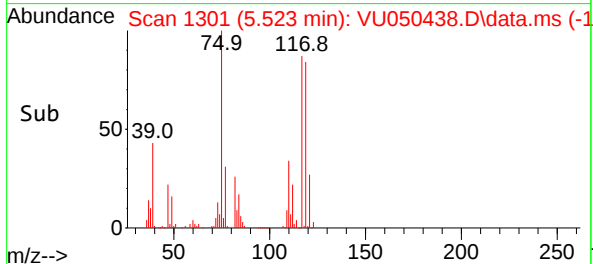
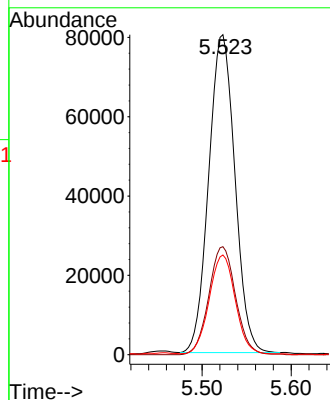
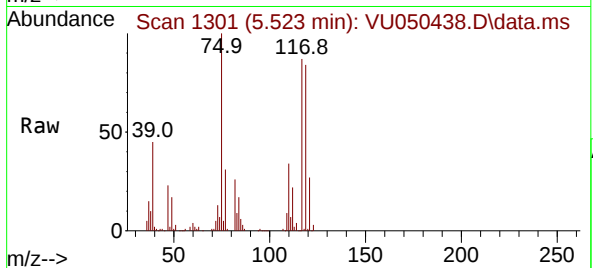
Tgt Ion: 75 Resp: 163653

Ion Ratio Lower Upper

75 100

110 34.7 17.3 52.0

77 30.9 24.6 37.0



#30

Carbon Tetrachloride

Concen: 9.030 ug/l

RT: 5.520 min Scan# 1300

Delta R.T. 0.000 min

Lab File: VU050438.D

Acq: 25 Aug 2022 09:33

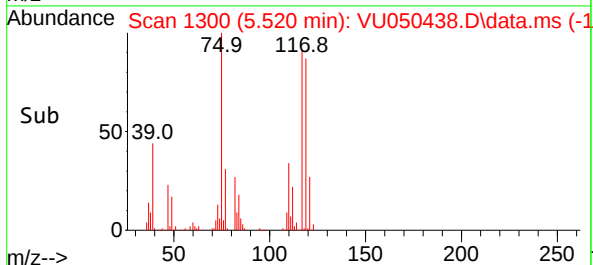
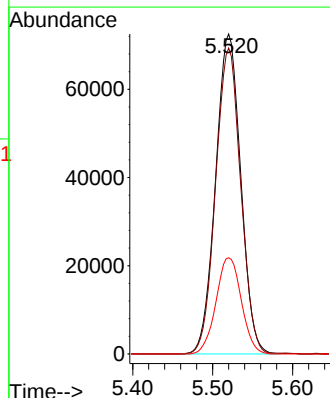
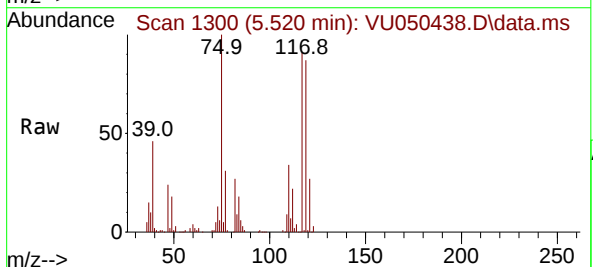
Tgt Ion: 117 Resp: 158073

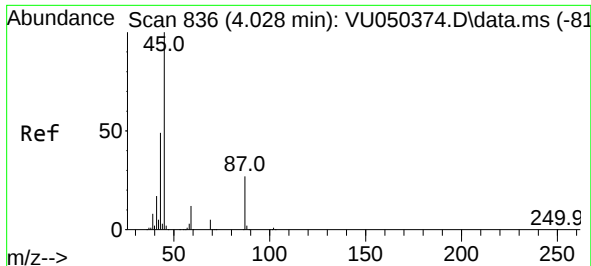
Ion Ratio Lower Upper

117 100

119 95.6 74.6 112.0

121 30.0 24.2 36.4

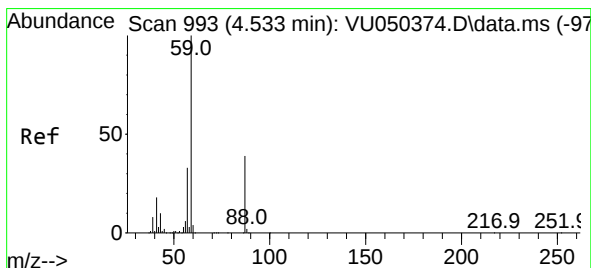
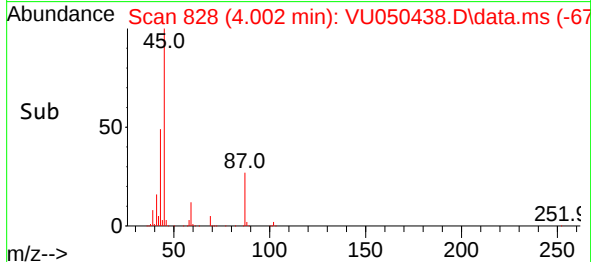
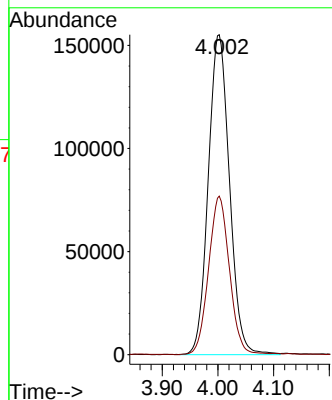
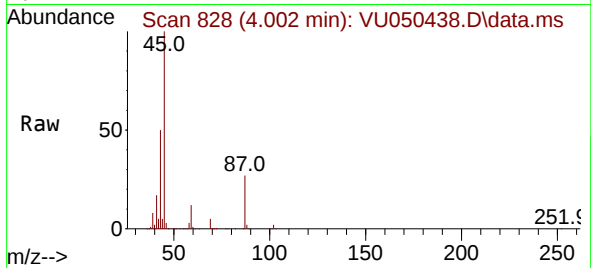




#31  
Isopropyl Ether  
Concen: 10.005 ug/l  
RT: 4.002 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: VU050438.D  
Acq: 25 Aug 2022 09:33

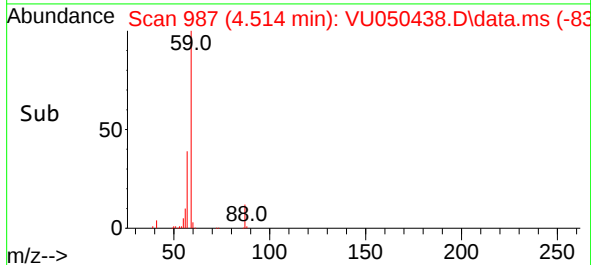
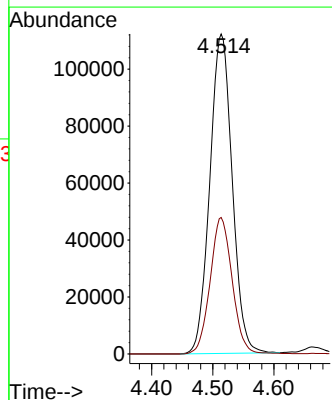
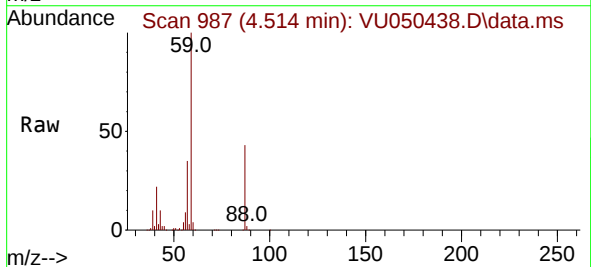
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010

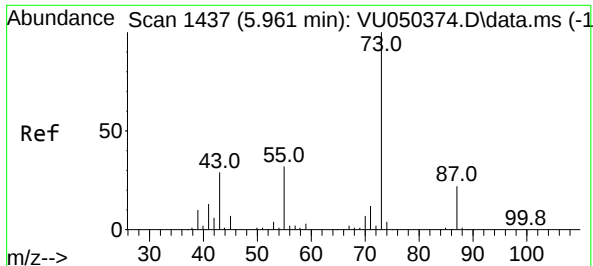
Tgt Ion: 45 Resp: 410504  
Ion Ratio Lower Upper  
45 100  
43 48.8 23.8 71.2



#32  
Ethyl-t-butyl ether  
Concen: 8.855 ug/l  
RT: 4.514 min Scan# 987  
Delta R.T. 0.000 min  
Lab File: VU050438.D  
Acq: 25 Aug 2022 09:33

Tgt Ion: 59 Resp: 285440  
Ion Ratio Lower Upper  
59 100  
87 42.0 32.5 48.7





#33

Tert-Amyl methyl ether

Concen: 11.457 ug/l

RT: 5.951 min Scan# 1437

Delta R.T. 0.003 min

Lab File: VU050438.D

Acq: 25 Aug 2022 09:33

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC010

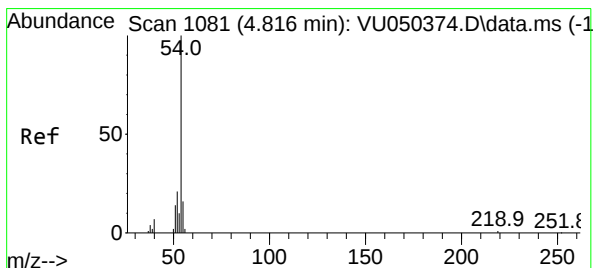
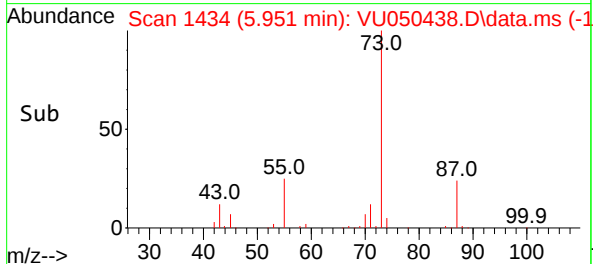
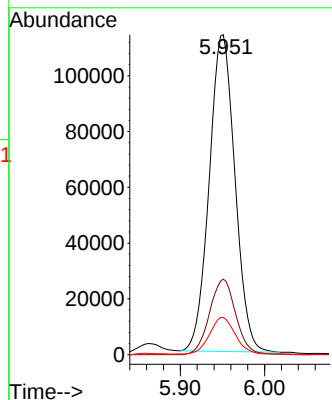
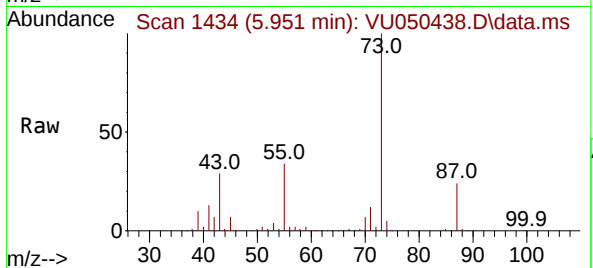
Tgt Ion: 73 Resp: 240759

Ion Ratio Lower Upper

73 100

87 23.9 19.7 29.5

71 11.5 9.0 13.4



#34

Propionitrile

Concen: 56.479 ug/l

RT: 4.790 min Scan# 1073

Delta R.T. 0.003 min

Lab File: VU050438.D

Acq: 25 Aug 2022 09:33

Tgt Ion: 54 Resp: 67617

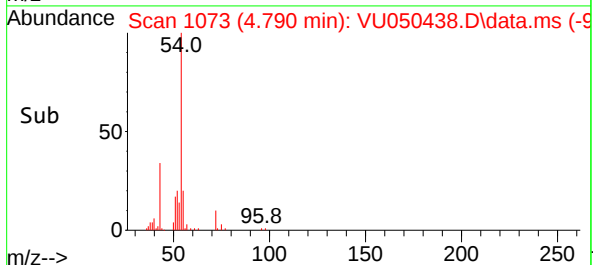
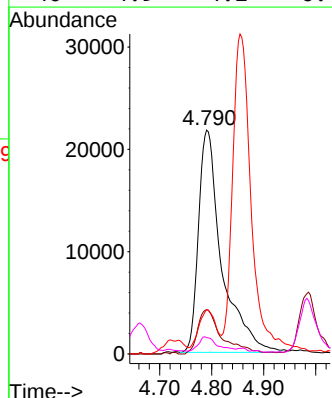
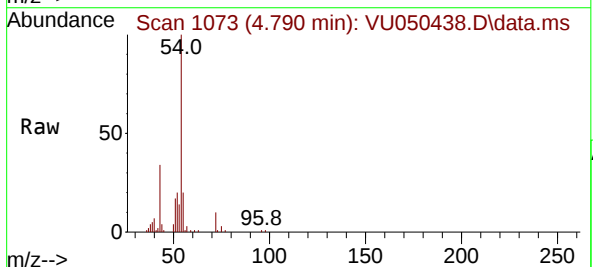
Ion Ratio Lower Upper

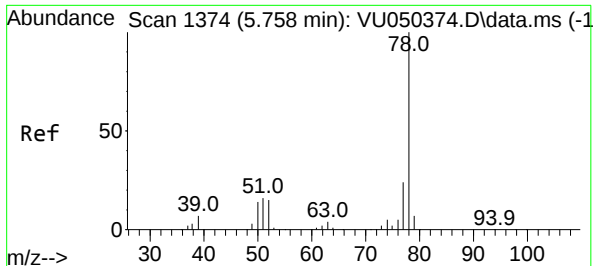
54 100

52 20.6 15.0 22.6

55 12.2 12.6 19.0#

40 4.9 4.2 6.4

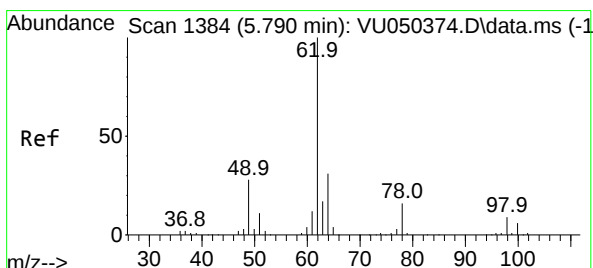
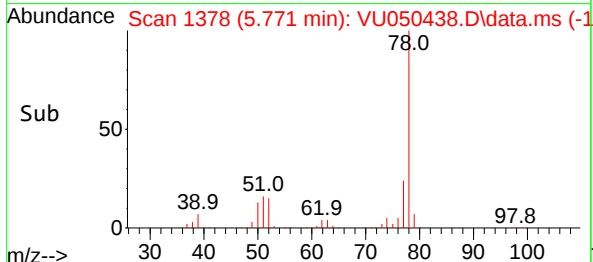
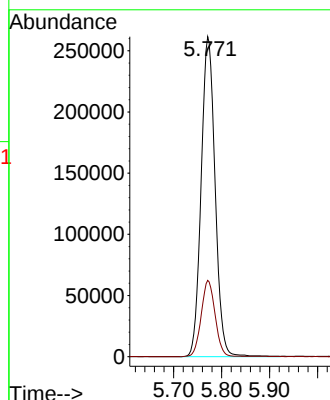
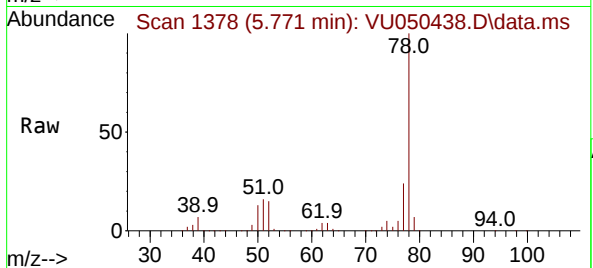




#35  
Benzene  
Concen: 10.265 ug/l  
RT: 5.771 min Scan# 11  
Delta R.T. -0.003 min  
Lab File: VU050438.D  
Acq: 25 Aug 2022 09:33

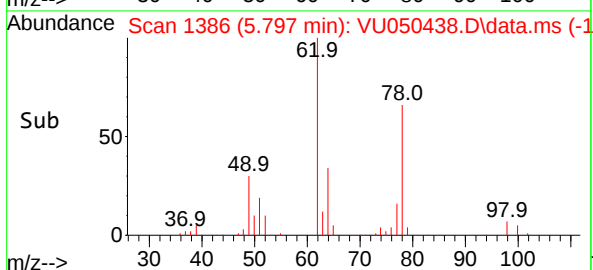
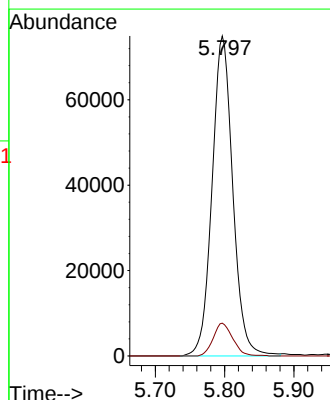
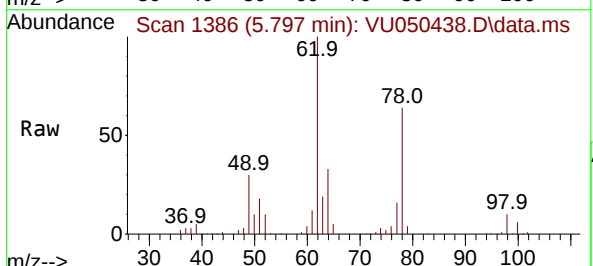
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010

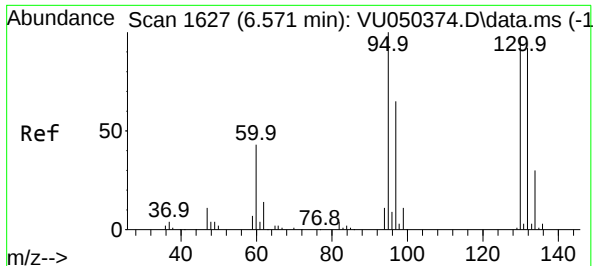
Tgt Ion: 78 Resp: 528585  
Ion Ratio Lower Upper  
78 100  
77 23.9 18.6 28.0



#36  
1,2-Dichloroethane  
Concen: 9.904 ug/l  
RT: 5.797 min Scan# 1386  
Delta R.T. 0.000 min  
Lab File: VU050438.D  
Acq: 25 Aug 2022 09:33

Tgt Ion: 62 Resp: 155705  
Ion Ratio Lower Upper  
62 100  
98 9.7 7.4 11.0





#37

Trichloroethene

Concen: 10.101 ug/l

RT: 6.543 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU050438.D

Acq: 25 Aug 2022 09:33

Instrument :

MSVOA\_U

ClientSampleId :

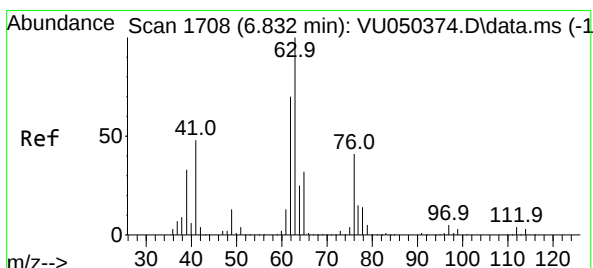
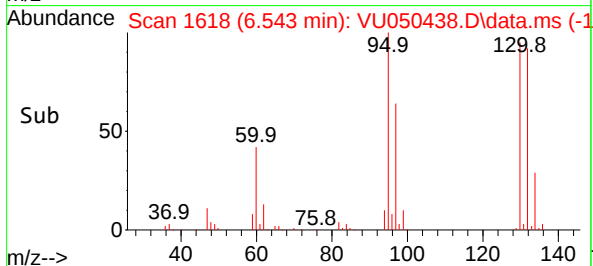
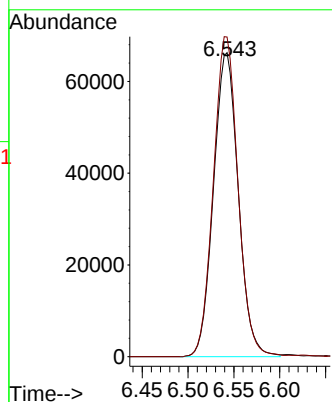
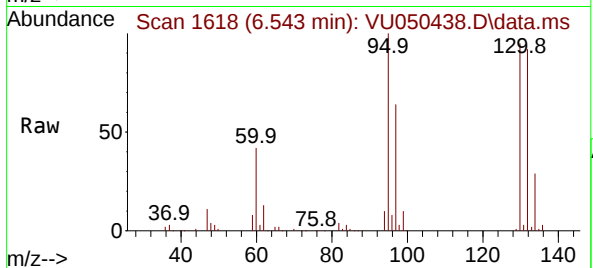
VSTDCCC010

Tgt Ion:130 Resp: 124680

Ion Ratio Lower Upper

130 100

95 105.2 83.8 125.8



#38

1,2-Dichloropropane

Concen: 10.581 ug/l

RT: 6.793 min Scan# 1696

Delta R.T. 0.000 min

Lab File: VU050438.D

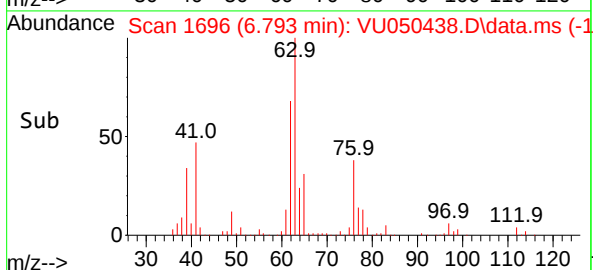
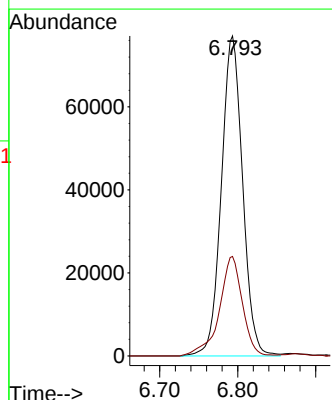
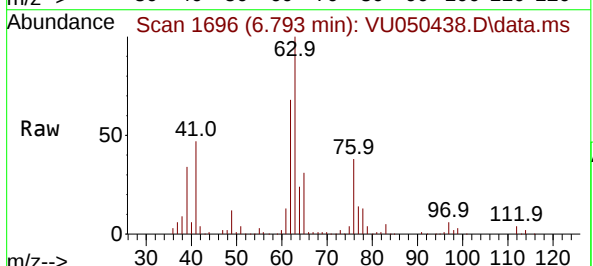
Acq: 25 Aug 2022 09:33

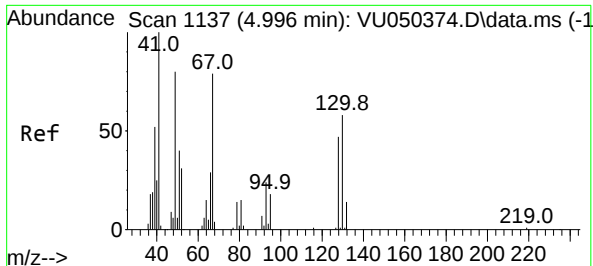
Tgt Ion: 63 Resp: 146246

Ion Ratio Lower Upper

63 100

65 31.1 25.0 37.4





#39

Methacrylonitrile

Concen: 8.977 ug/l

RT: 4.983 min Scan# 1133

Delta R.T. 0.000 min

Lab File: VU050438.D

Acq: 25 Aug 2022 09:33

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC010

Tgt Ion: 41 Resp: 44099

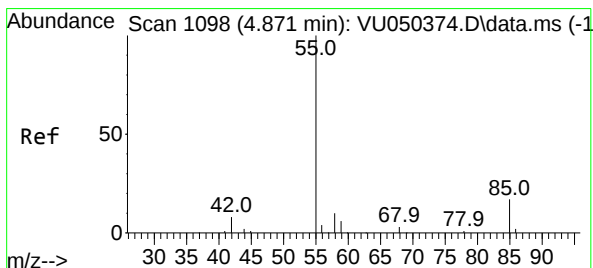
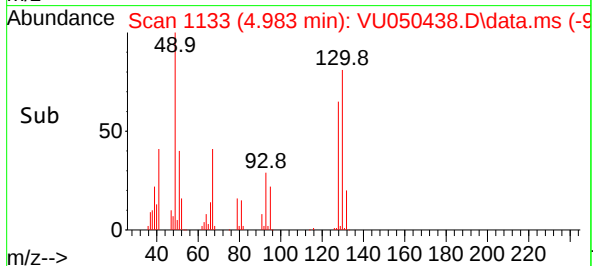
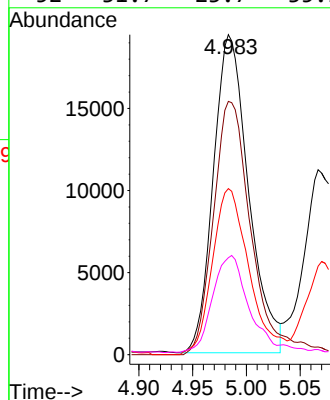
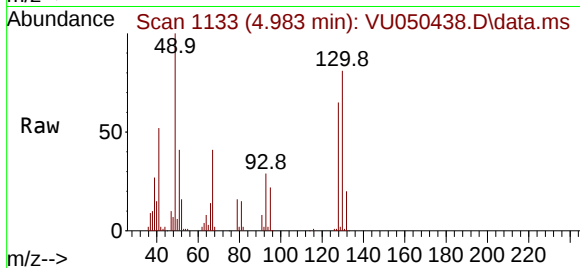
Ion Ratio Lower Upper

41 100

67 86.0 59.4 89.0

39 54.6 42.2 63.2

52 31.7 23.7 35.5



#40

Methyl acrylate

Concen: 10.261 ug/l

RT: 4.855 min Scan# 1093

Delta R.T. 0.000 min

Lab File: VU050438.D

Acq: 25 Aug 2022 09:33

Tgt Ion: 55 Resp: 76783

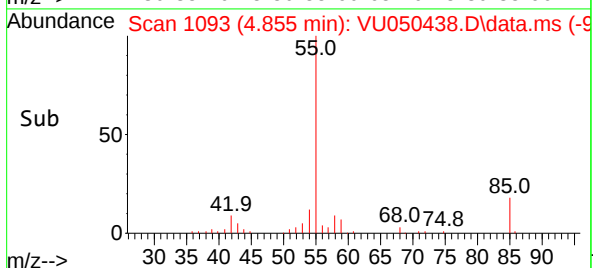
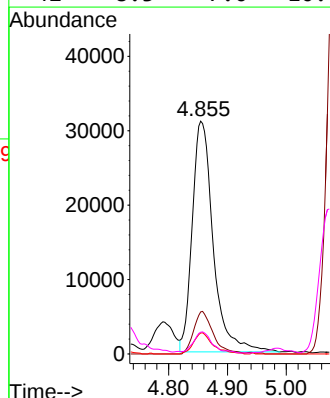
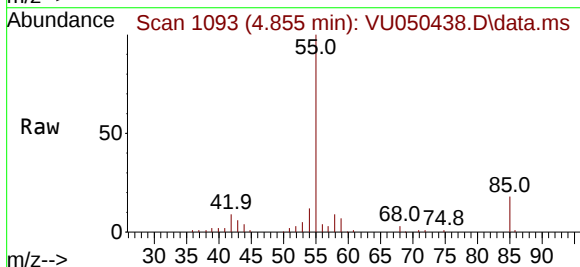
Ion Ratio Lower Upper

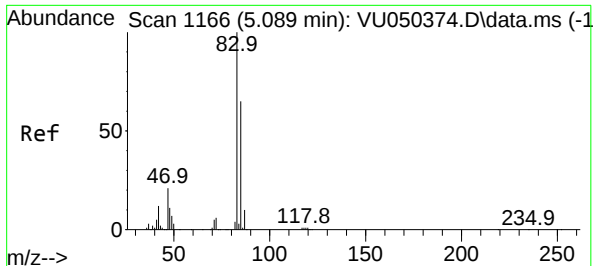
55 100

85 17.0 13.5 20.3

58 8.4 7.0 10.4

42 8.3 7.0 10.6





#41

Tetrahydrofuran

Concen: 19.552 ug/l

RT: 5.073 min Scan# 1161

Delta R.T. 0.007 min

Lab File: VU050438.D

Acq: 25 Aug 2022 09:33

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC010

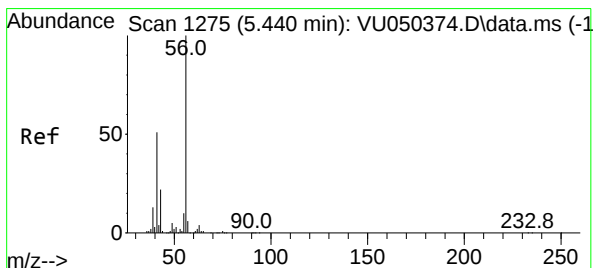
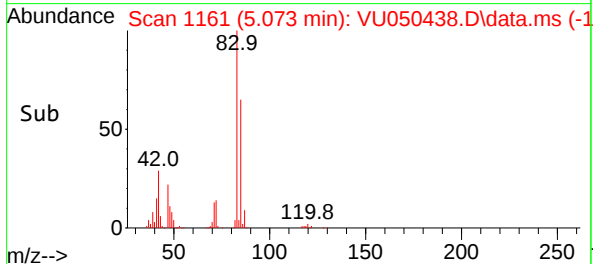
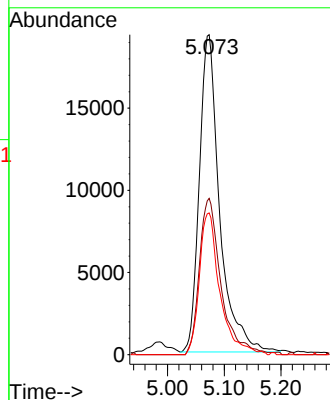
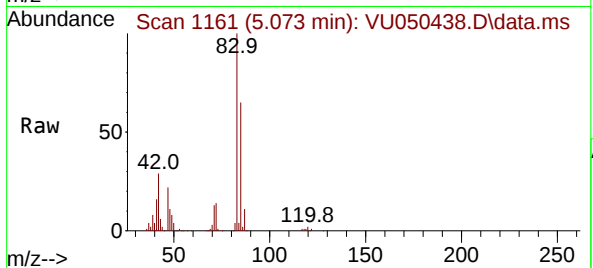
Tgt Ion: 42 Resp: 48092

Ion Ratio Lower Upper

42 100

72 52.4 38.9 58.3

71 45.0 33.7 50.5



#42

1-Chlorobutane

Concen: 9.126 ug/l

RT: 5.456 min Scan# 1280

Delta R.T. 0.000 min

Lab File: VU050438.D

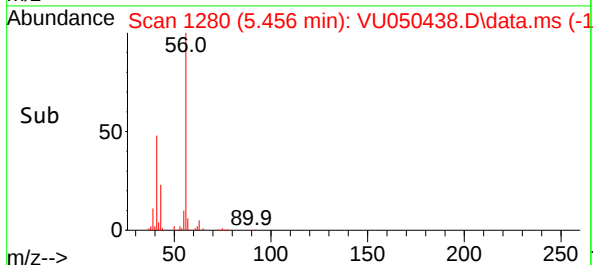
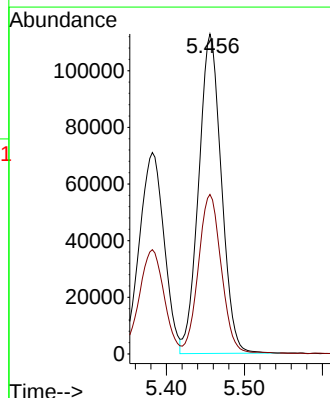
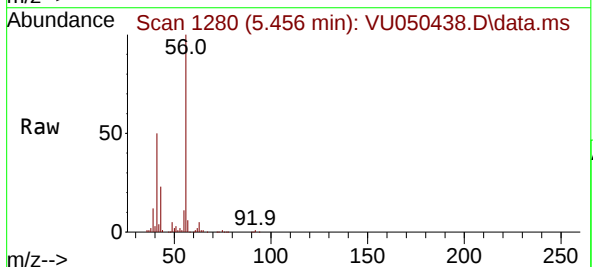
Acq: 25 Aug 2022 09:33

Tgt Ion: 56 Resp: 227643

Ion Ratio Lower Upper

56 100

41 49.3 26.4 79.2





#43

Dibromomethane

Concen: 10.367 ug/l

RT: 6.919 min Scan# 1735

Delta R.T. 0.000 min

Lab File: VU050438.D

Acq: 25 Aug 2022 09:33

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC010

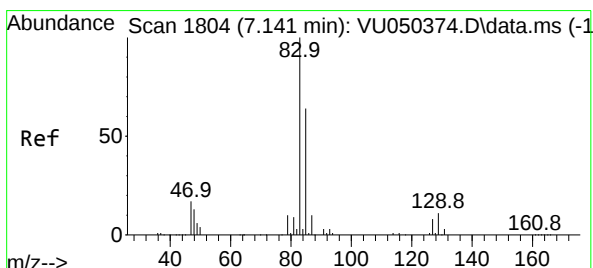
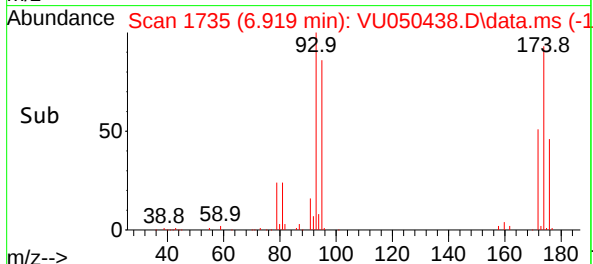
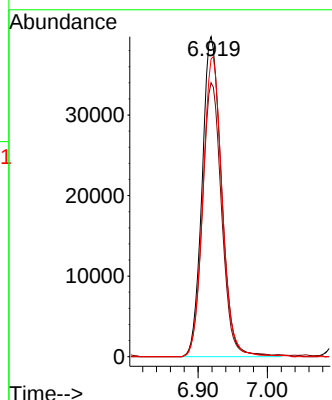
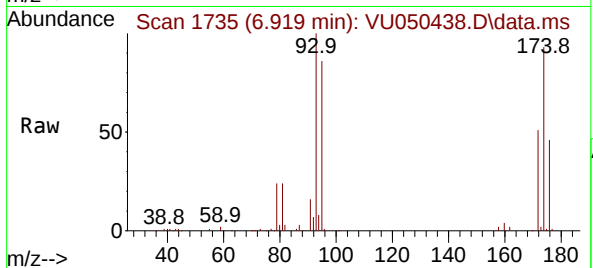
Tgt Ion: 93 Resp: 77240

Ion Ratio Lower Upper

93 100

95 84.9 65.0 97.6

174 92.7 76.3 114.5



#44

Bromodichloromethane

Concen: 10.384 ug/l

RT: 7.108 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VU050438.D

Acq: 25 Aug 2022 09:33

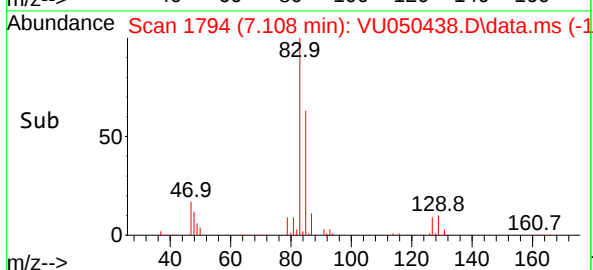
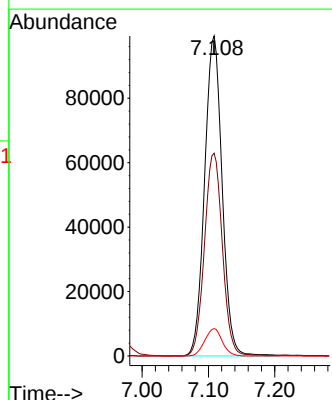
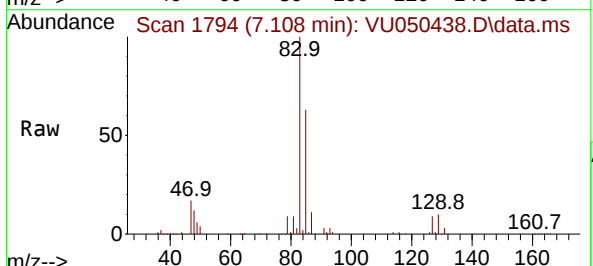
Tgt Ion: 83 Resp: 182565

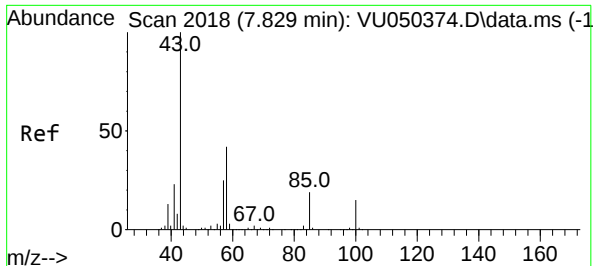
Ion Ratio Lower Upper

83 100

85 63.4 49.4 74.0

127 8.6 6.6 10.0





#45

4-Methyl-2-Pentanone

Concen: 61.170 ug/l

RT: 7.800 min Scan# 2018

Delta R.T. 0.003 min

Lab File: VU050438.D

Acq: 25 Aug 2022 09:33

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC010

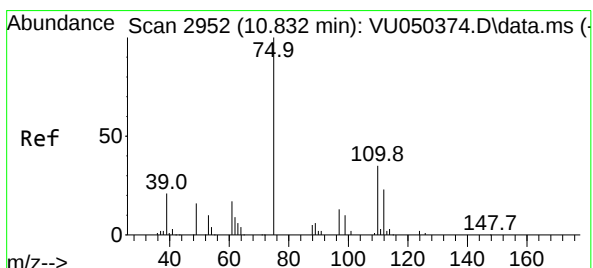
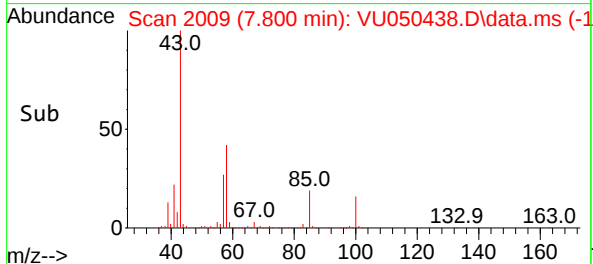
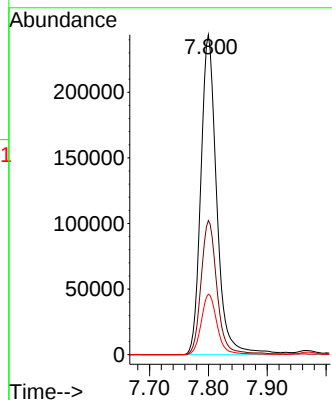
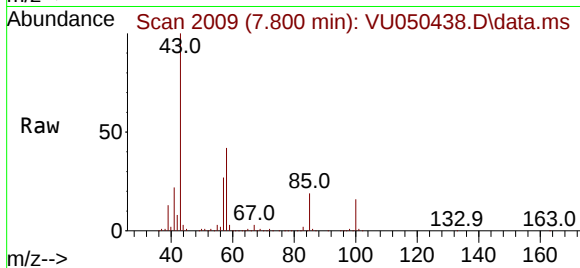
Tgt Ion: 43 Resp: 457468

Ion Ratio Lower Upper

43 100

58 42.4 20.3 61.0

85 19.0 14.6 21.8



#46

t-1,4-Dichloro-2-butene

Concen: 17.505 ug/l m

RT: 10.832 min Scan# 2952

Delta R.T. 0.000 min

Lab File: VU050438.D

Acq: 25 Aug 2022 09:33

Tgt Ion: 75 Resp: 77883

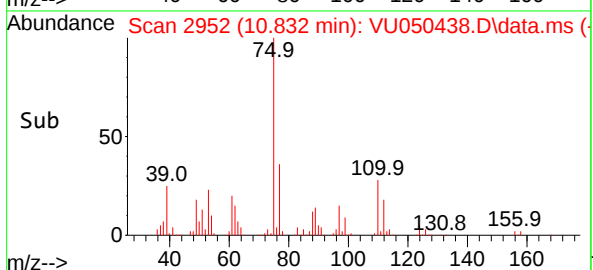
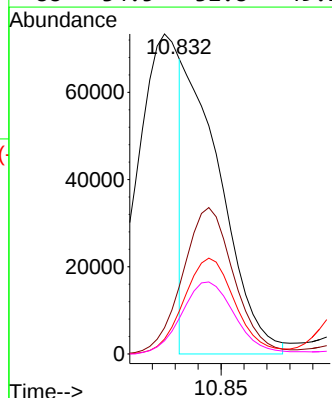
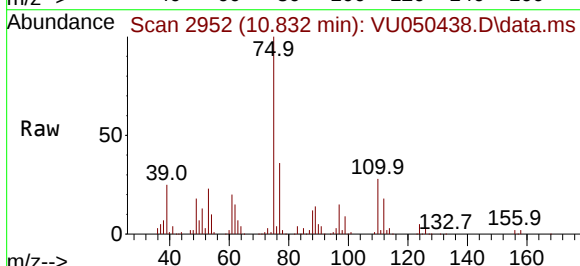
Ion Ratio Lower Upper

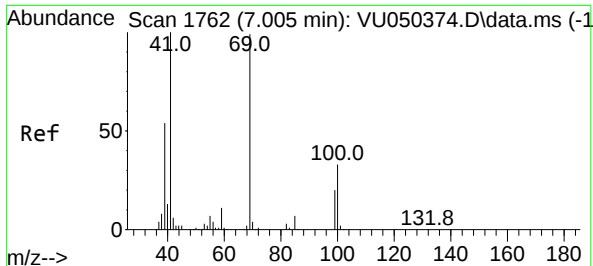
75 100

53 67.3 64.4 96.6

89 44.2 44.2 66.2

88 34.5 32.8 49.2





#47

Methyl methacrylate

Concen: 20.253 ug/l

RT: 6.967 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU050438.D

Acq: 25 Aug 2022 09:33

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC010

Tgt Ion: 69 Resp: 141546

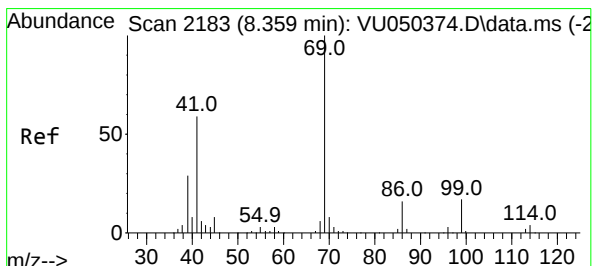
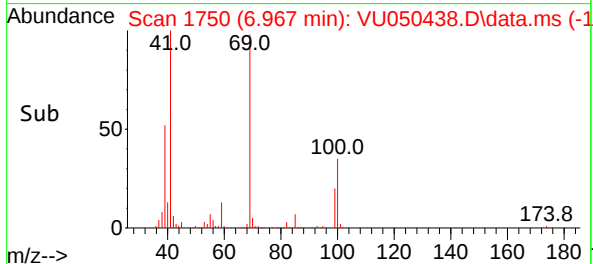
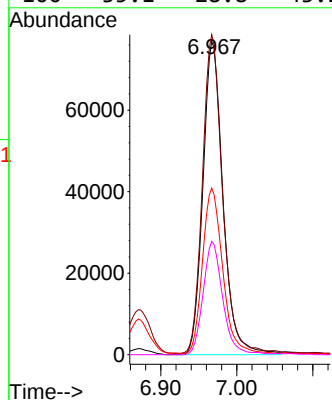
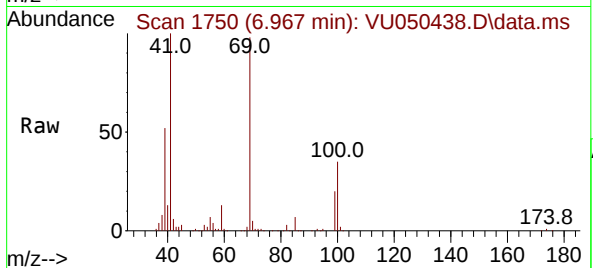
Ion Ratio Lower Upper

69 100

41 101.4 0.0 225.4

39 52.9 45.8 68.8

100 35.1 28.8 43.2



#48

Ethyl methacrylate

Concen: 9.999 ug/l

RT: 8.337 min Scan# 2176

Delta R.T. 0.000 min

Lab File: VU050438.D

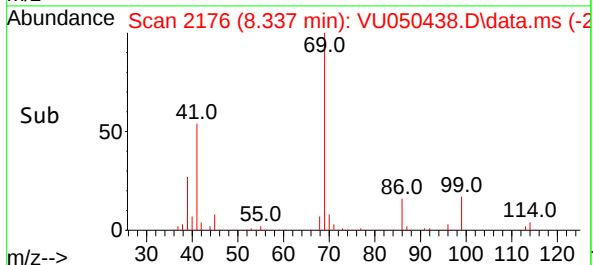
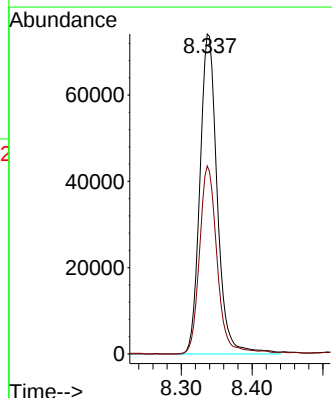
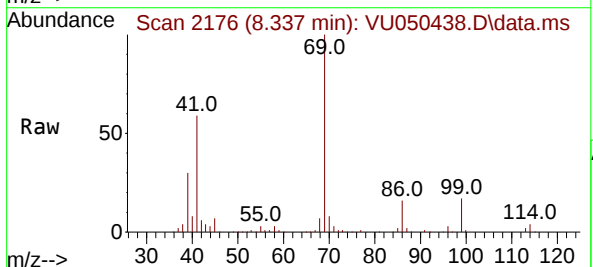
Acq: 25 Aug 2022 09:33

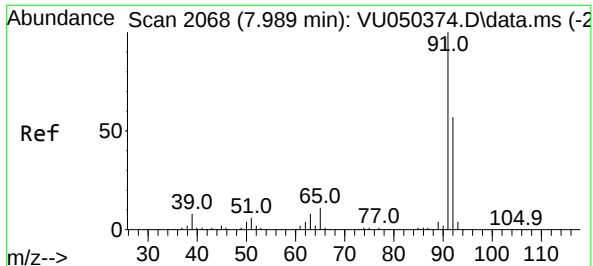
Tgt Ion: 69 Resp: 126334

Ion Ratio Lower Upper

69 100

41 59.4 32.3 96.9





#49

Toluene

Concen: 11.639 ug/l

RT: 7.970 min Scan# 2068

Delta R.T. 0.000 min

Lab File: VU050438.D

Acq: 25 Aug 2022 09:33

Instrument :

MSVOA\_U

ClientSampleId :

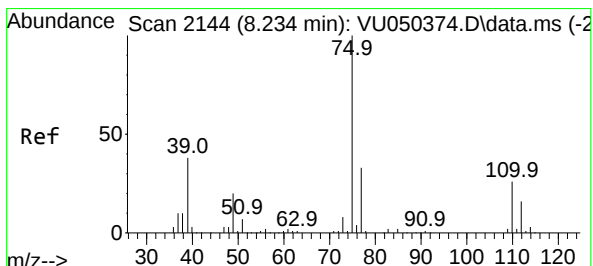
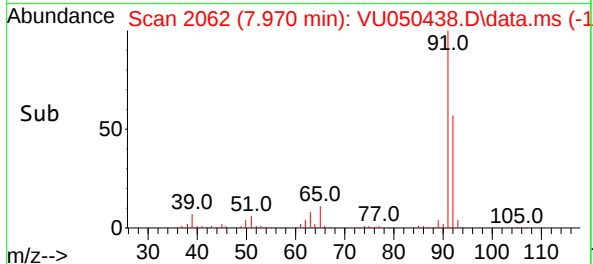
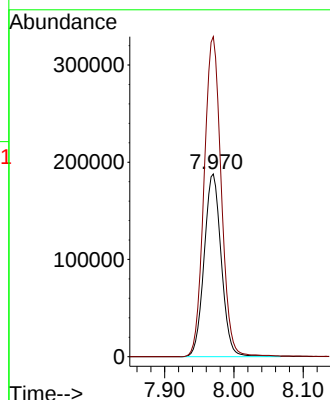
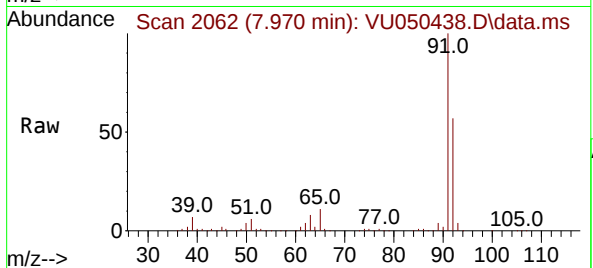
VSTDCCC010

Tgt Ion: 92 Resp: 322004

Ion Ratio Lower Upper

92 100

91 175.7 138.6 207.8



#50

t-1,3-Dichloropropene

Concen: 11.682 ug/l

RT: 8.211 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VU050438.D

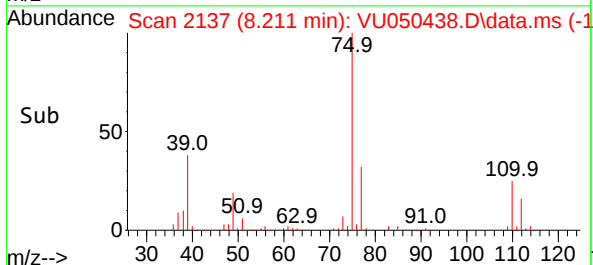
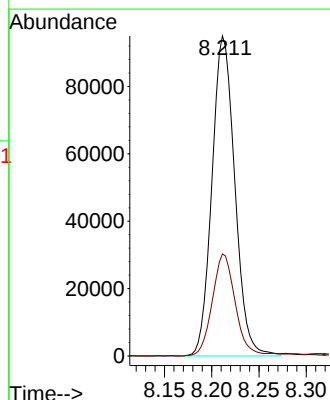
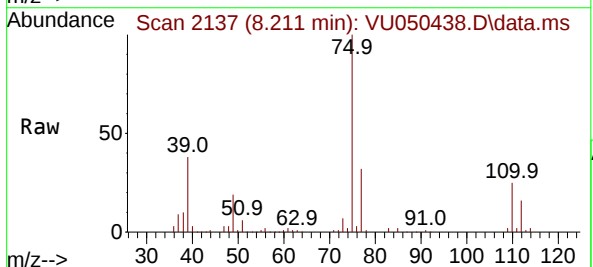
Acq: 25 Aug 2022 09:33

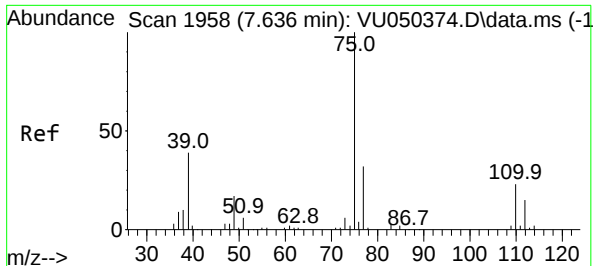
Tgt Ion: 75 Resp: 159920

Ion Ratio Lower Upper

75 100

77 31.9 24.7 37.1





#51

cis-1,3-Dichloropropene

Concen: 11.752 ug/l

RT: 7.610 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VU050438.D

Acq: 25 Aug 2022 09:33

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC010

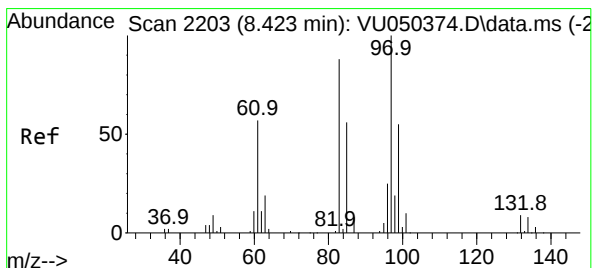
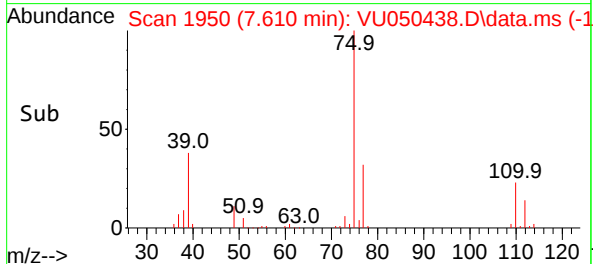
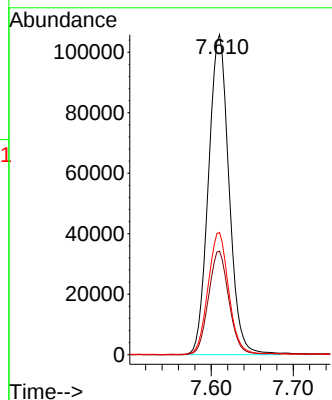
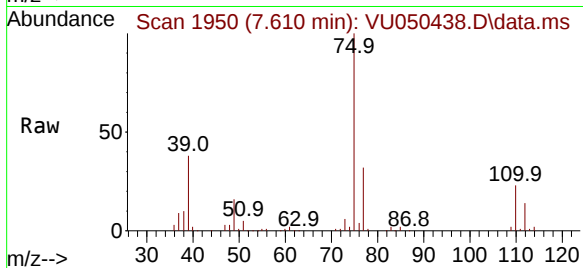
Tgt Ion: 75 Resp: 184179

Ion Ratio Lower Upper

75 100

77 32.2 25.4 38.0

39 38.2 35.1 52.7



#52

1,1,2-Trichloroethane

Concen: 10.316 ug/l

RT: 8.401 min Scan# 2196

Delta R.T. 0.000 min

Lab File: VU050438.D

Acq: 25 Aug 2022 09:33

Tgt Ion: 97 Resp: 112964

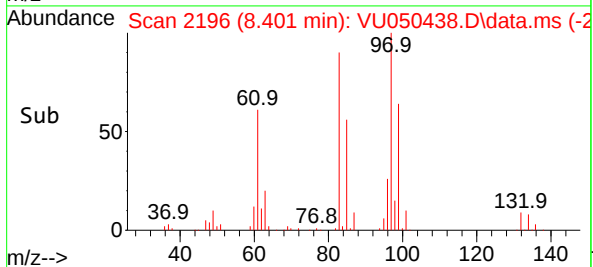
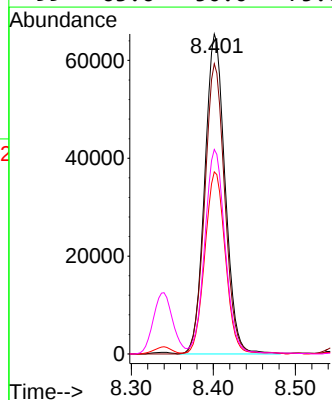
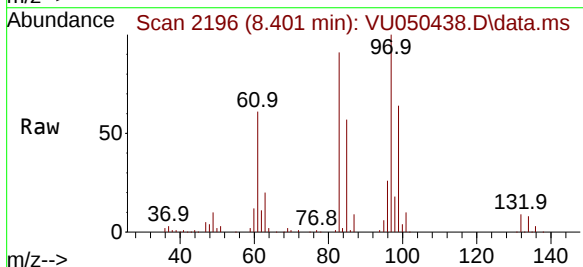
Ion Ratio Lower Upper

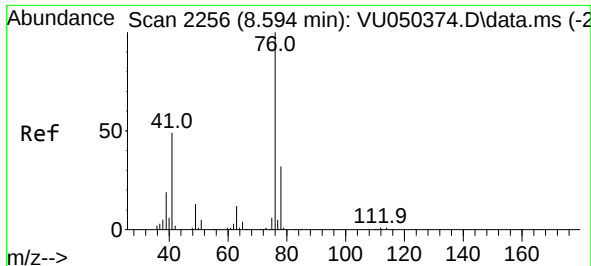
97 100

83 90.5 70.6 106.0

85 56.7 46.2 69.4

99 63.6 50.0 75.0





#53

1,3-Dichloropropane

Concen: 11.013 ug/l

RT: 8.578 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU050438.D

Acq: 25 Aug 2022 09:33

Instrument :

MSVOA\_U

ClientSampleId :

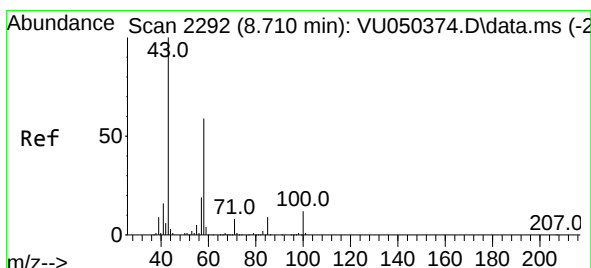
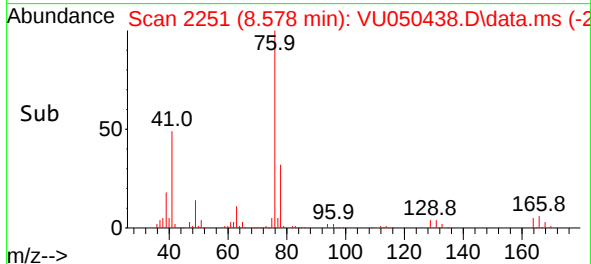
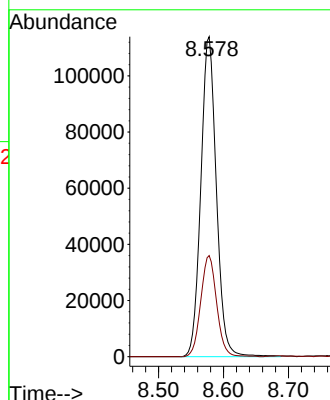
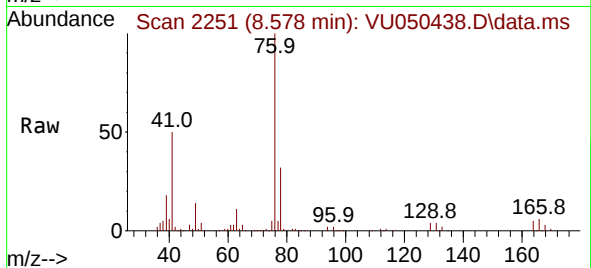
VSTDCCC010

Tgt Ion: 76 Resp: 189908

Ion Ratio Lower Upper

76 100

78 32.3 26.0 39.0



#54

2-Hexanone

Concen: 61.585 ug/l

RT: 8.690 min Scan# 2286

Delta R.T. 0.000 min

Lab File: VU050438.D

Acq: 25 Aug 2022 09:33

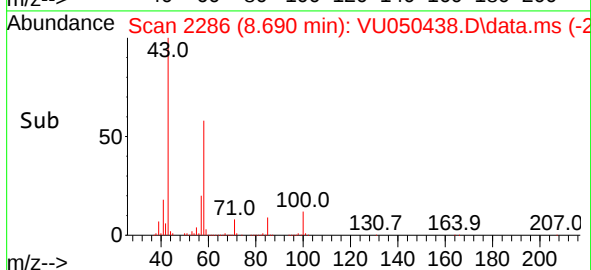
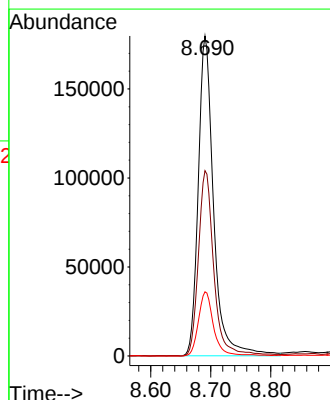
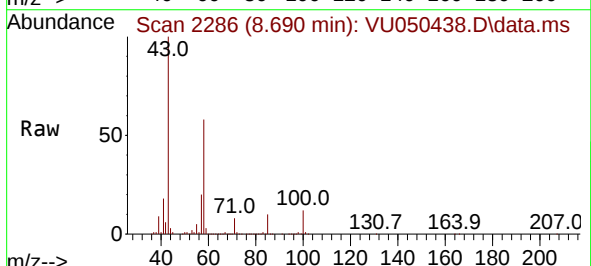
Tgt Ion: 43 Resp: 320751

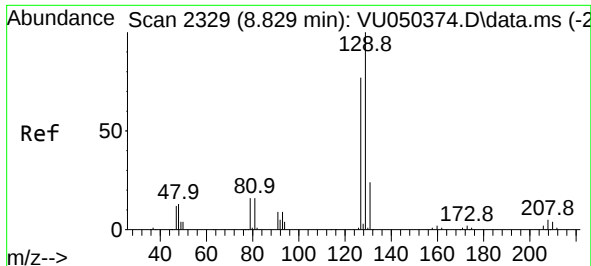
Ion Ratio Lower Upper

43 100

58 58.4 37.1 77.1

57 19.6 0.0 39.5

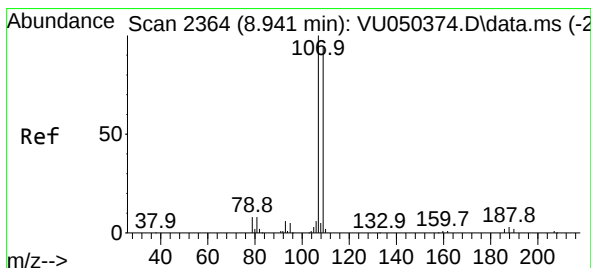
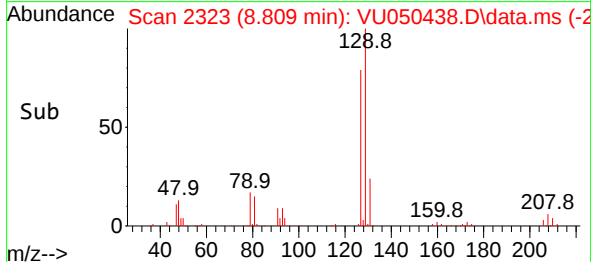
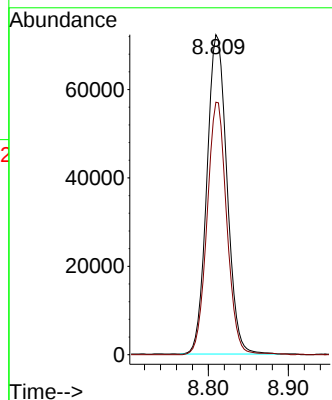
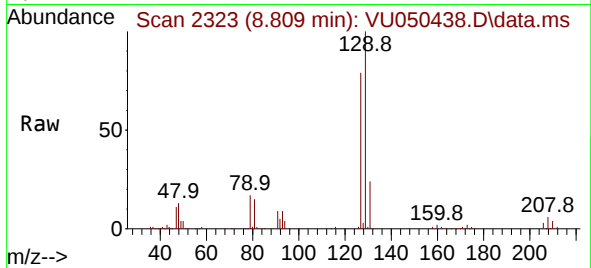




#55  
Dibromochloromethane  
Concen: 10.484 ug/l  
RT: 8.809 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VU050438.D  
Acq: 25 Aug 2022 09:33

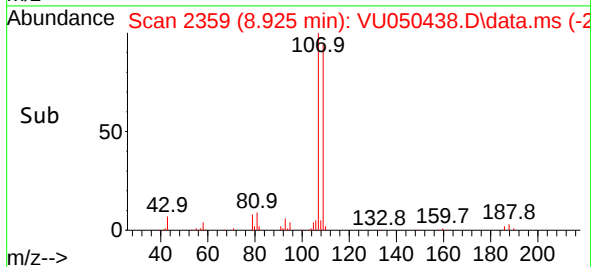
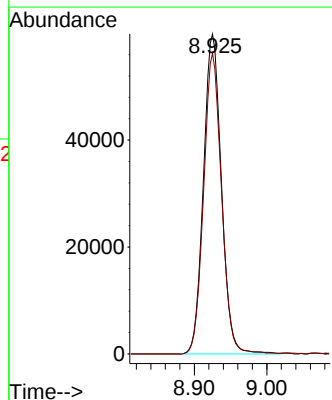
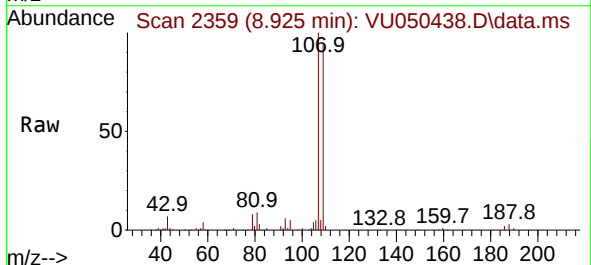
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010

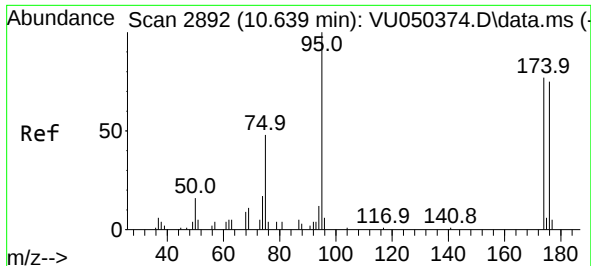
Tgt Ion:129 Resp: 126282  
Ion Ratio Lower Upper  
129 100  
127 77.7 61.2 91.8



#56  
1,2-Dibromoethane  
Concen: 10.475 ug/l  
RT: 8.925 min Scan# 2359  
Delta R.T. 0.000 min  
Lab File: VU050438.D  
Acq: 25 Aug 2022 09:33

Tgt Ion:107 Resp: 103021  
Ion Ratio Lower Upper  
107 100  
109 93.6 0.0 187.2





#57

4-Bromofluorobenzene

Concen: 1.390 ug/l

RT: 10.632 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU050438.D

Acq: 25 Aug 2022 09:33

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC010

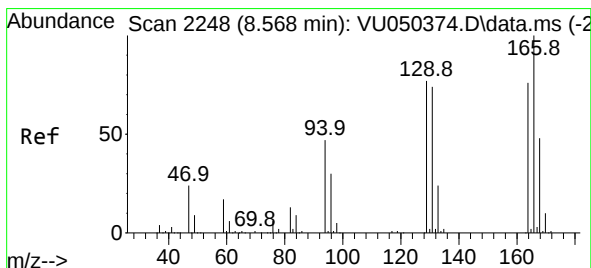
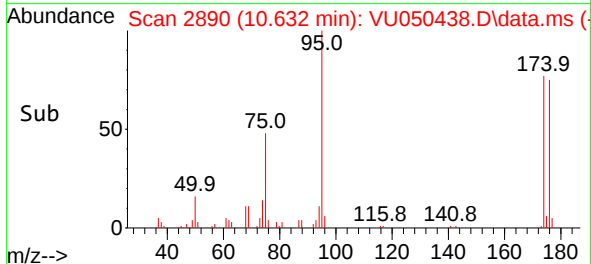
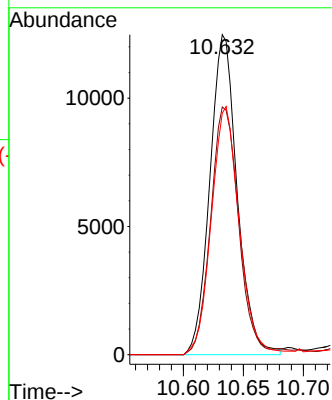
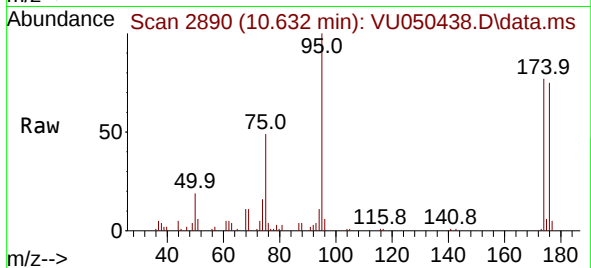
Tgt Ion: 95 Resp: 19748

Ion Ratio Lower Upper

95 100

174 79.0 62.4 93.6

176 79.4 56.2 84.2



#58

Tetrachloroethene

Concen: 9.595 ug/l

RT: 8.552 min Scan# 2243

Delta R.T. 0.000 min

Lab File: VU050438.D

Acq: 25 Aug 2022 09:33

Tgt Ion: 164 Resp: 111451

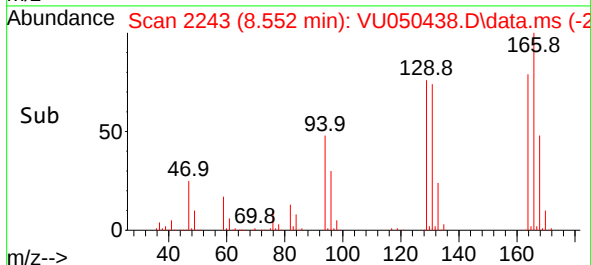
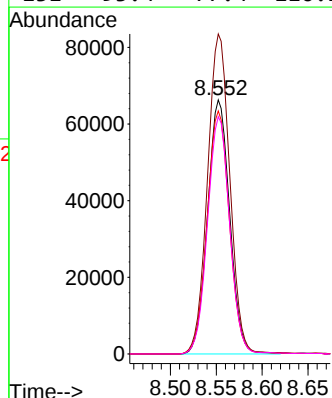
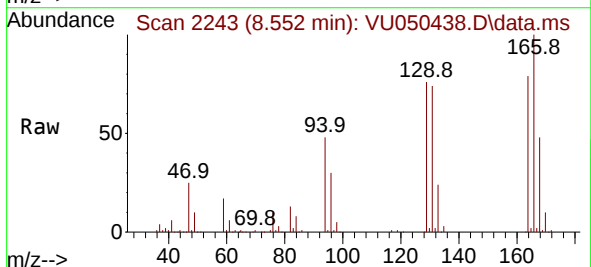
Ion Ratio Lower Upper

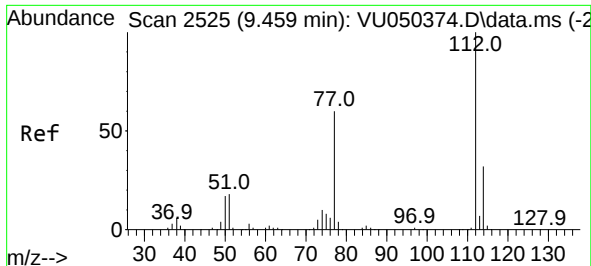
164 100

166 125.9 102.4 153.6

129 95.6 79.5 119.3

131 93.4 77.4 116.2





#59

Chlorobenzene

Concen: 11.295 ug/l

RT: 9.446 min Scan# 2521

Delta R.T. -0.003 min

Lab File: VU050438.D

Acq: 25 Aug 2022 09:33

Instrument :

MSVOA\_U

ClientSampleId :

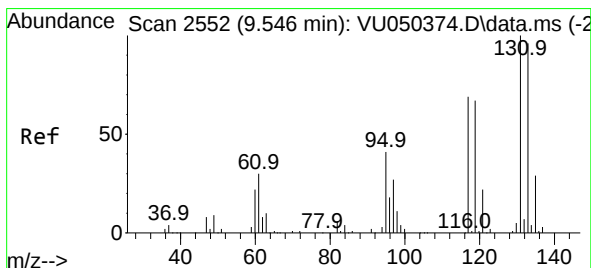
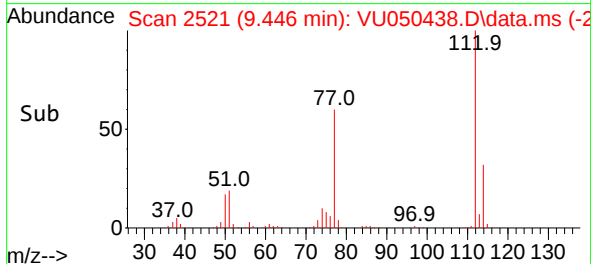
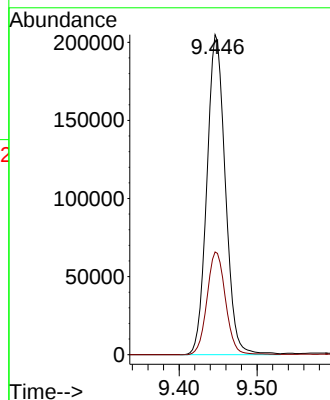
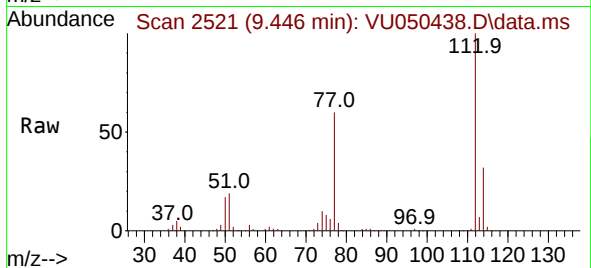
VSTDCCC010

Tgt Ion:112 Resp: 337192

Ion Ratio Lower Upper

112 100

114 32.1 24.9 37.3



#60

1,1,1,2-Tetrachloroethane

Concen: 10.081 ug/l

RT: 9.536 min Scan# 2549

Delta R.T. 0.000 min

Lab File: VU050438.D

Acq: 25 Aug 2022 09:33

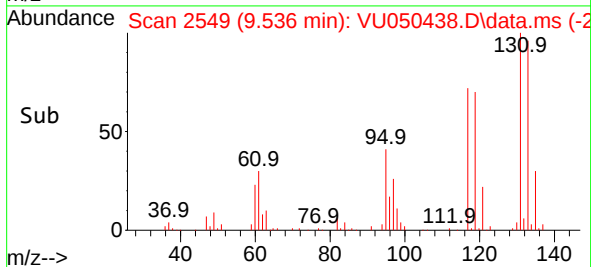
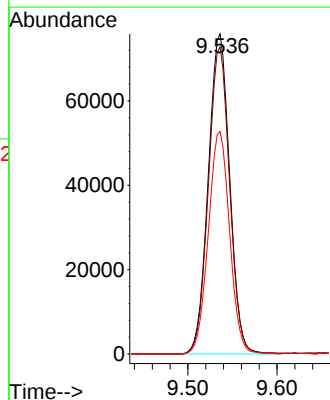
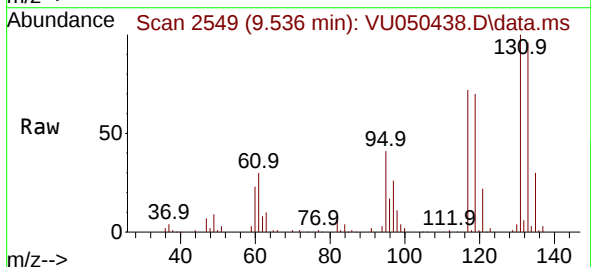
Tgt Ion:131 Resp: 126498

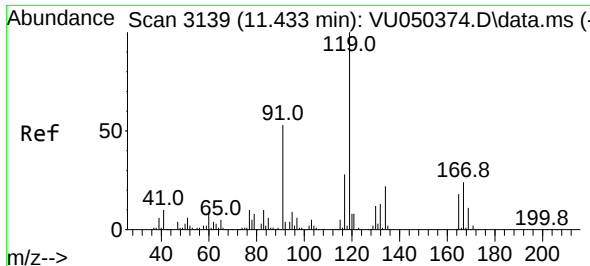
Ion Ratio Lower Upper

131 100

133 95.0 78.3 117.5

119 69.2 53.2 79.8

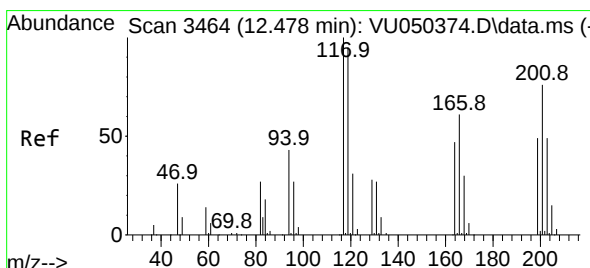
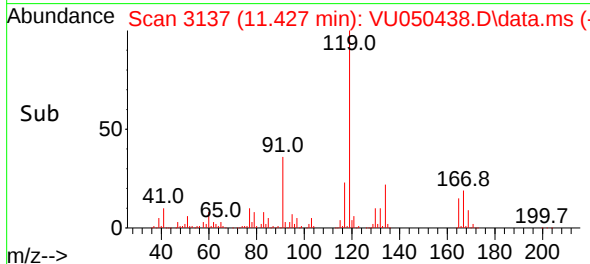
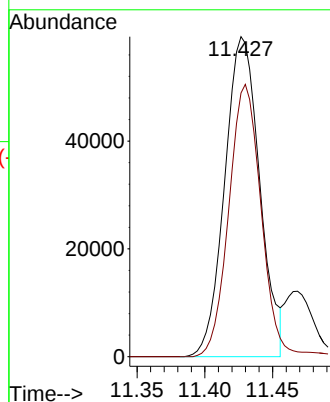
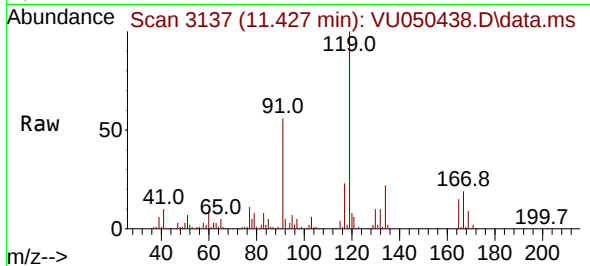




#61  
 Pentachloroethane  
 Concen: 10.203 ug/l  
 RT: 11.427 min Scan# 3139  
 Delta R.T. -0.003 min  
 Lab File: VU050438.D  
 Acq: 25 Aug 2022 09:33

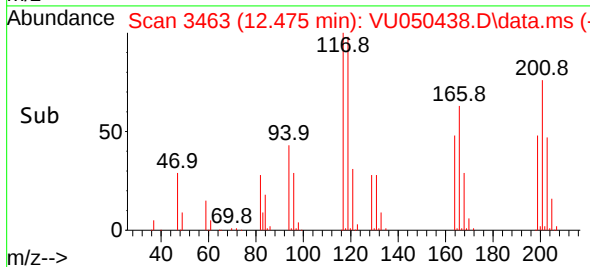
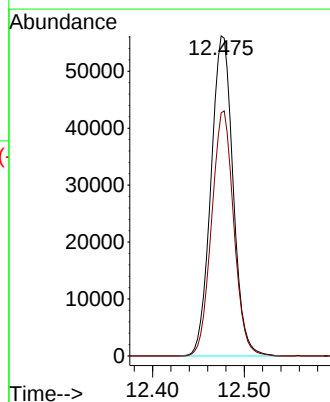
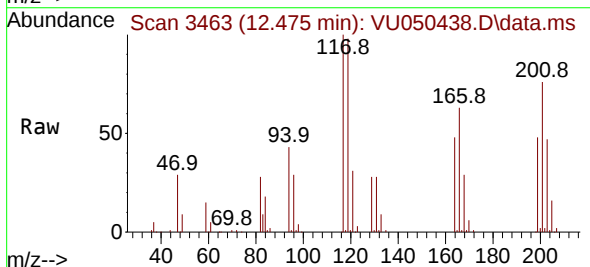
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC010

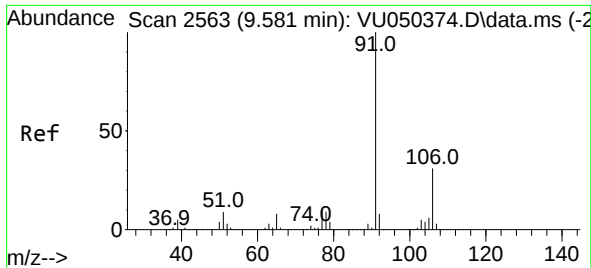
Tgt Ion:117 Resp: 106543  
 Ion Ratio Lower Upper  
 117 100  
 167 79.1 66.2 99.4



#62  
 Hexachloroethane  
 Concen: 10.849 ug/l  
 RT: 12.475 min Scan# 3463  
 Delta R.T. 0.000 min  
 Lab File: VU050438.D  
 Acq: 25 Aug 2022 09:33

Tgt Ion:117 Resp: 94244  
 Ion Ratio Lower Upper  
 117 100  
 201 76.6 61.0 91.4

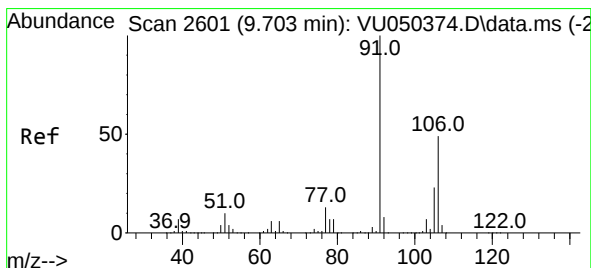
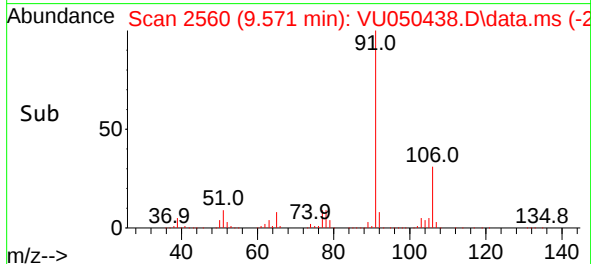
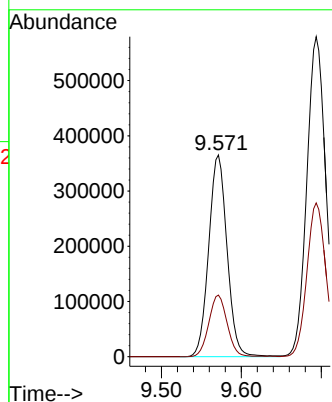
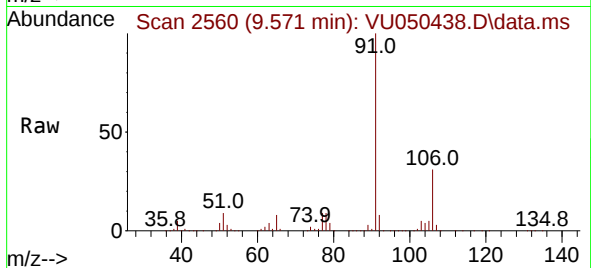




#63  
Ethyl Benzene  
Concen: 9.656 ug/l  
RT: 9.571 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VU050438.D  
Acq: 25 Aug 2022 09:33

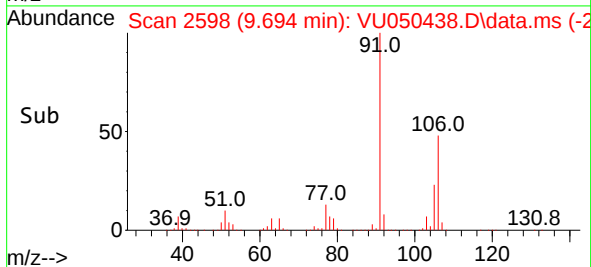
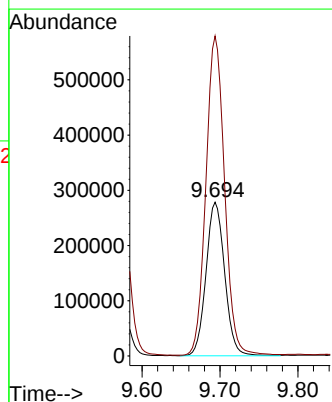
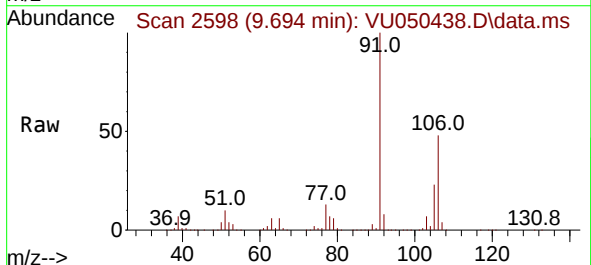
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010

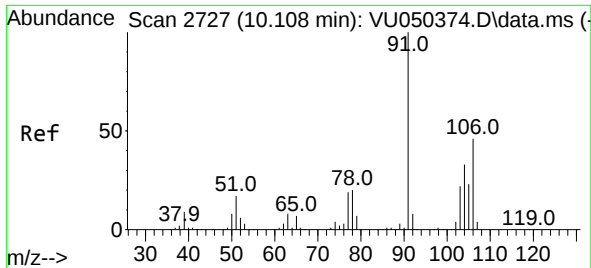
Tgt Ion: 91 Resp: 582037  
Ion Ratio Lower Upper  
91 100  
106 30.5 24.4 36.6



#64  
m/p-Xylenes  
Concen: 19.333 ug/l  
RT: 9.694 min Scan# 2598  
Delta R.T. 0.000 min  
Lab File: VU050438.D  
Acq: 25 Aug 2022 09:33

Tgt Ion: 106 Resp: 462654  
Ion Ratio Lower Upper  
106 100  
91 207.6 167.8 251.6

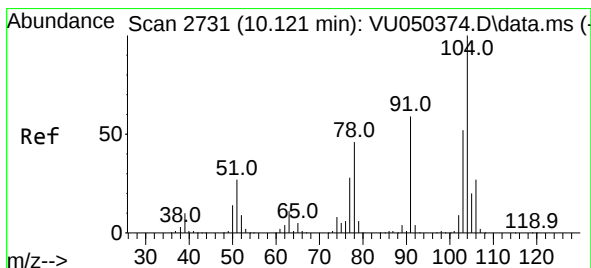
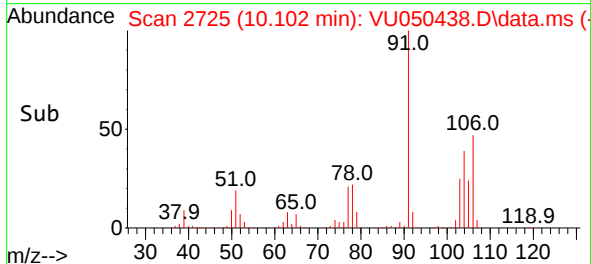
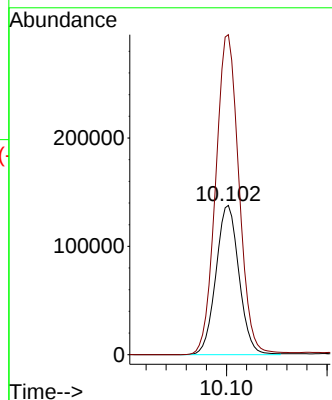
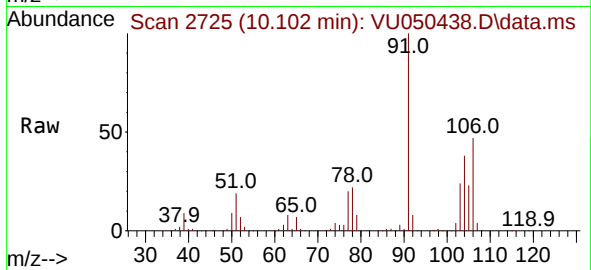




#65  
o-Xylene  
Concen: 9.849 ug/l  
RT: 10.102 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VU050438.D  
Acq: 25 Aug 2022 09:33

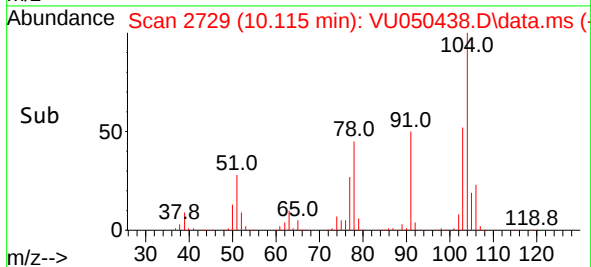
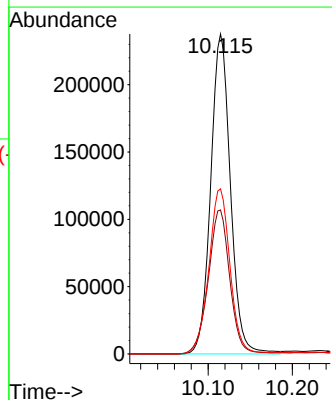
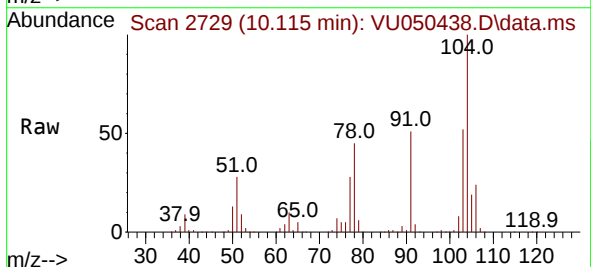
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010

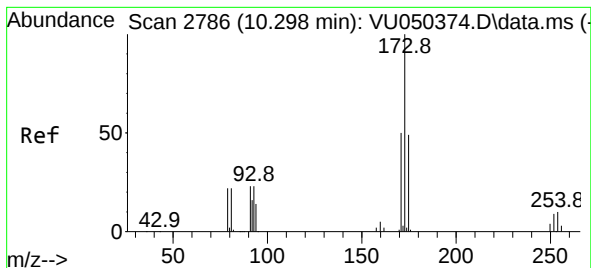
Tgt Ion:106 Resp: 219699  
Ion Ratio Lower Upper  
106 100  
91 217.2 111.1 333.2



#66  
Styrene  
Concen: 9.740 ug/l  
RT: 10.115 min Scan# 2729  
Delta R.T. 0.000 min  
Lab File: VU050438.D  
Acq: 25 Aug 2022 09:33

Tgt Ion:104 Resp: 386899  
Ion Ratio Lower Upper  
104 100  
78 49.0 42.1 63.1  
103 55.5 44.5 66.7





#67

Bromoform

Concen: 10.810 ug/l

RT: 10.292 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU050438.D

Acq: 25 Aug 2022 09:33

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC010

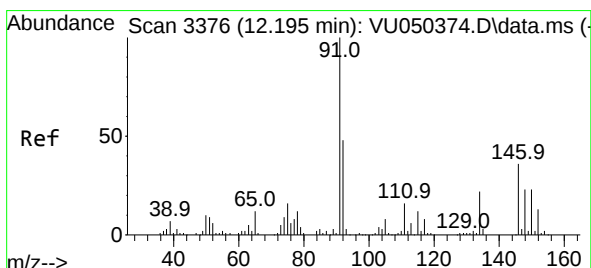
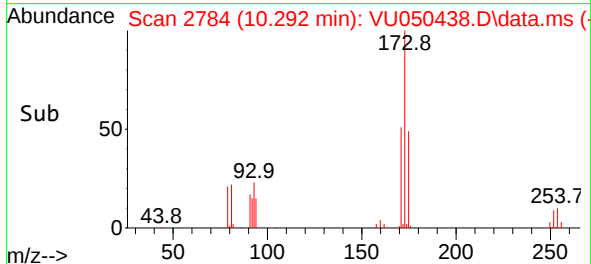
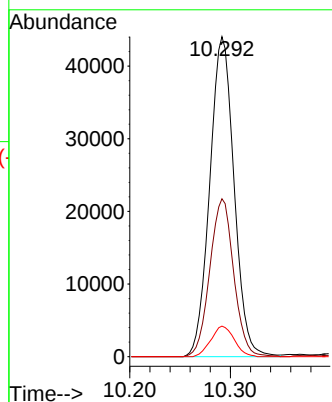
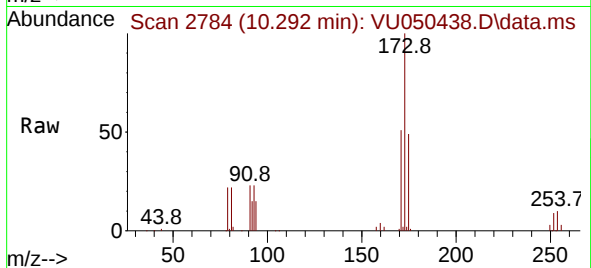
Tgt Ion:173 Resp: 73947

Ion Ratio Lower Upper

173 100

175 48.5 38.4 57.6

254 9.2 7.7 11.5



#68

1,2-Dichlorobenzene-d4

Concen: 1.013 ug/l

RT: 12.195 min Scan# 3376

Delta R.T. 0.000 min

Lab File: VU050438.D

Acq: 25 Aug 2022 09:33

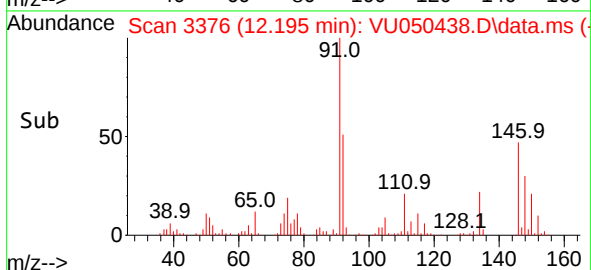
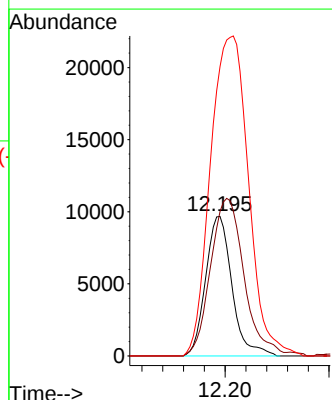
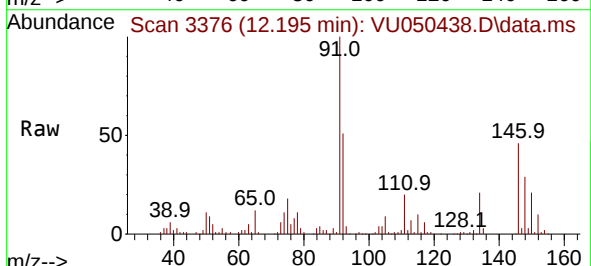
Tgt Ion:152 Resp: 17010

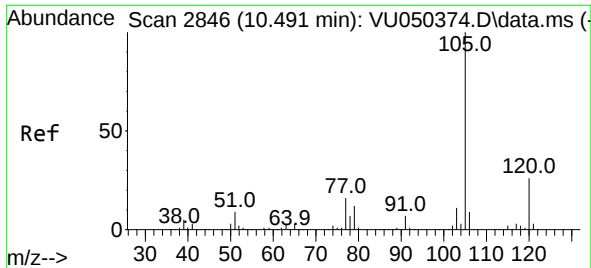
Ion Ratio Lower Upper

152 100

115 143.7 0.0 254.6

150 331.2 0.0 623.6

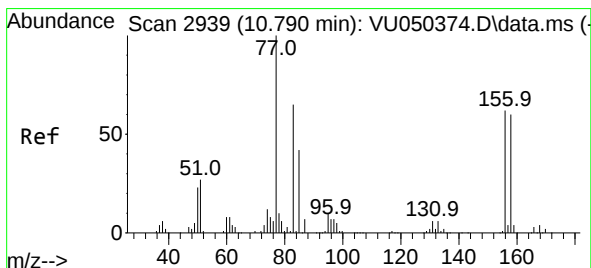
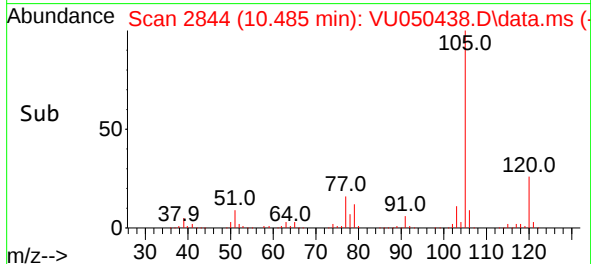
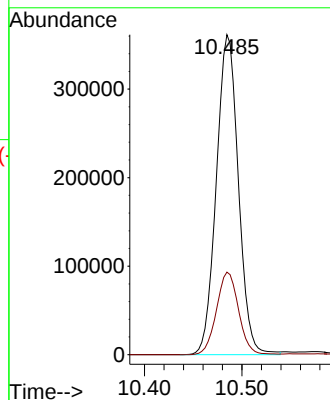
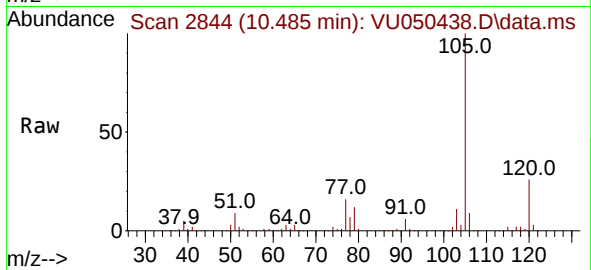




#69  
Isopropylbenzene  
Concen: 9.644 ug/l  
RT: 10.485 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VU050438.D  
Acq: 25 Aug 2022 09:33

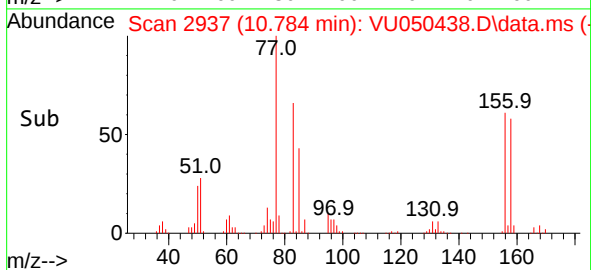
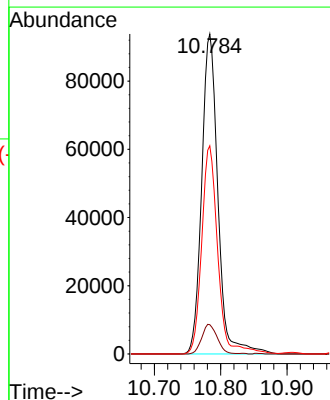
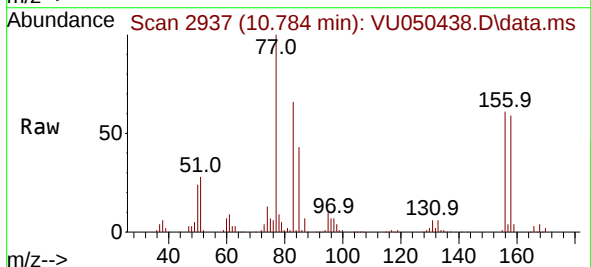
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010

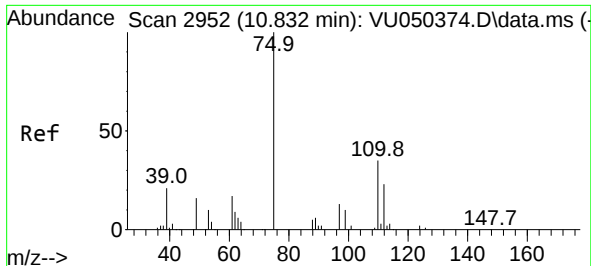
Tgt Ion:105 Resp: 567910  
Ion Ratio Lower Upper  
105 100  
120 25.9 12.6 37.8



#70  
1,1,2,2-Tetrachloroethane  
Concen: 10.553 ug/l  
RT: 10.784 min Scan# 2937  
Delta R.T. 0.000 min  
Lab File: VU050438.D  
Acq: 25 Aug 2022 09:33

Tgt Ion: 83 Resp: 159027  
Ion Ratio Lower Upper  
83 100  
131 8.8 7.7 11.5  
85 64.6 51.2 76.8



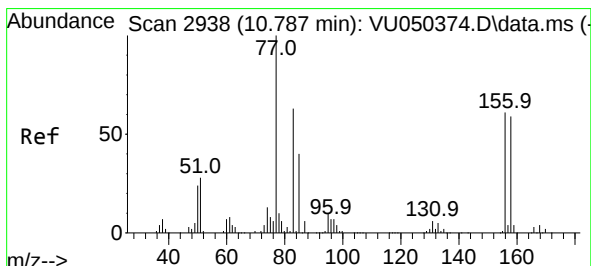
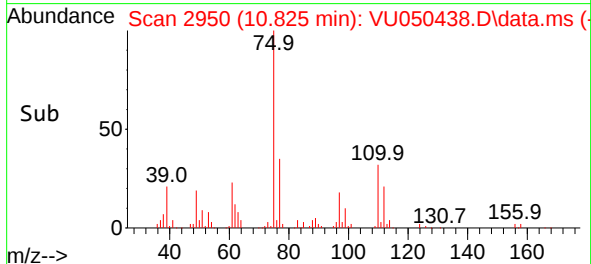
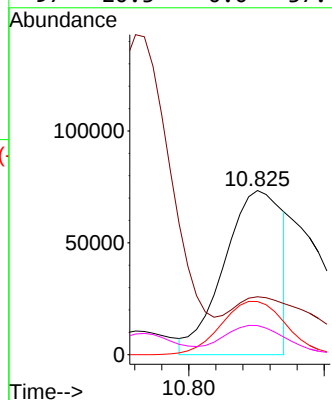
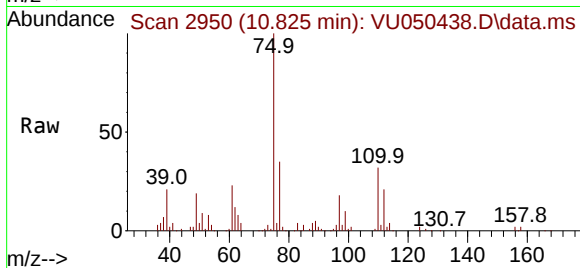


#71  
1,2,3-Trichloropropane  
Concen: 9.590 ug/l m  
RT: 10.825 min Scan# 2950  
Delta R.T. 0.000 min  
Lab File: VU050438.D  
Acq: 25 Aug 2022 09:33

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010

Tgt Ion: 75 Resp: 108678

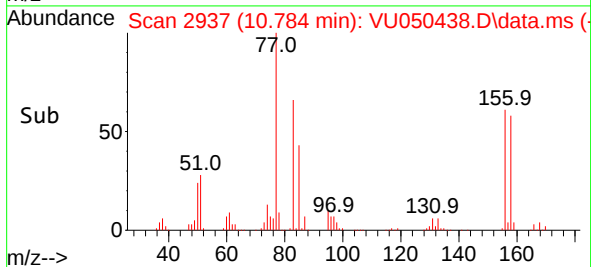
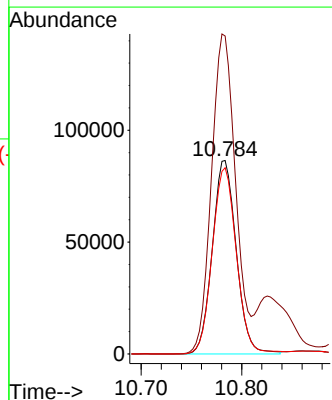
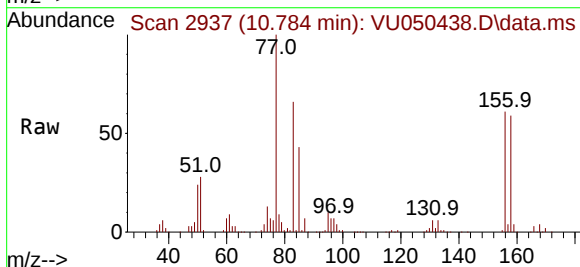
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 77  | 52.8  | 0.0   | 112.4 |
| 110 | 37.0  | 0.0   | 70.6  |
| 97  | 20.3  | 0.0   | 37.4  |

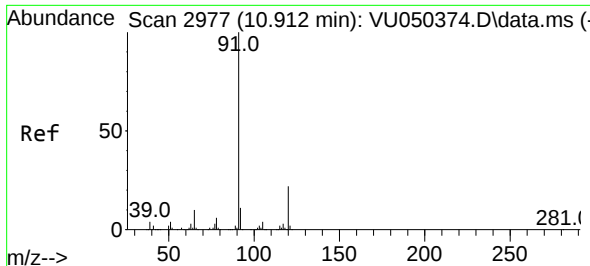


#72  
Bromobenzene  
Concen: 11.085 ug/l  
RT: 10.784 min Scan# 2937  
Delta R.T. 0.000 min  
Lab File: VU050438.D  
Acq: 25 Aug 2022 09:33

Tgt Ion: 156 Resp: 142869

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 156 | 100   |       |       |
| 77  | 166.1 | 0.0   | 344.4 |
| 158 | 97.7  | 0.0   | 192.2 |

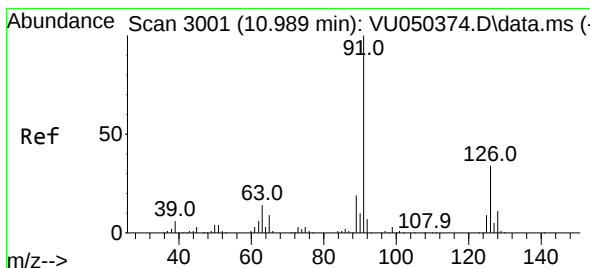
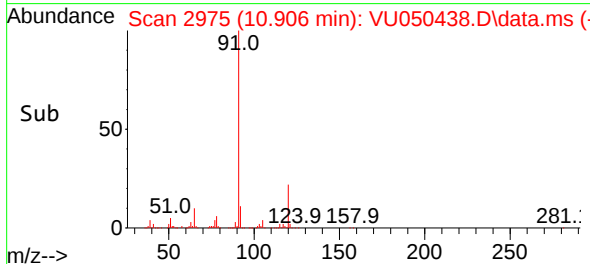
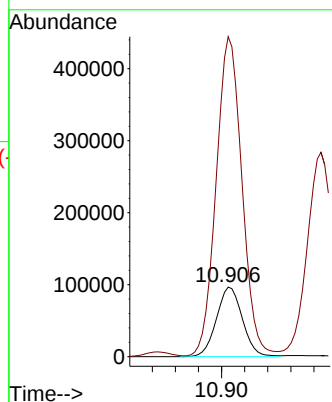
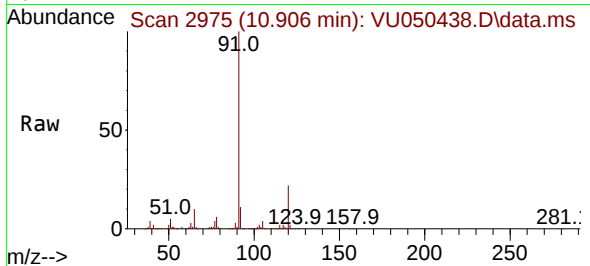




#73  
n-propylbenzene  
Concen: 9.197 ug/l  
RT: 10.906 min Scan# 2975  
Delta R.T. 0.000 min  
Lab File: VU050438.D  
Acq: 25 Aug 2022 09:33

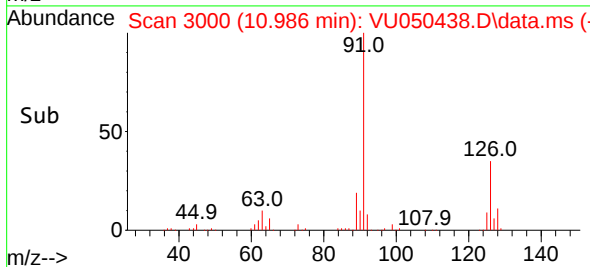
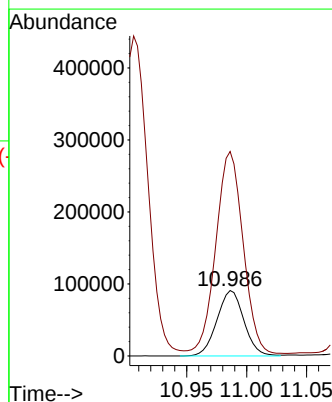
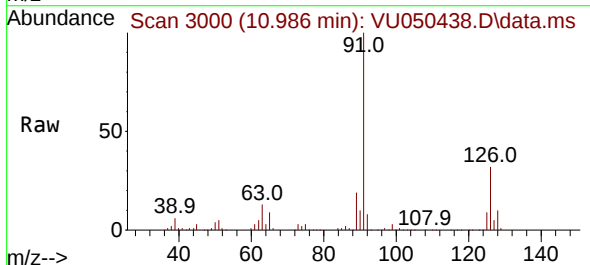
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010

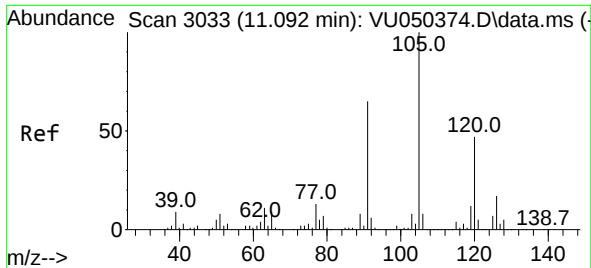
Tgt Ion:120 Resp: 150735  
Ion Ratio Lower Upper  
120 100  
91 455.4 367.8 551.6



#74  
2-Chlorotoluene  
Concen: 9.527 ug/l  
RT: 10.986 min Scan# 3000  
Delta R.T. 0.000 min  
Lab File: VU050438.D  
Acq: 25 Aug 2022 09:33

Tgt Ion:126 Resp: 141870  
Ion Ratio Lower Upper  
126 100  
91 312.6 0.0 620.6

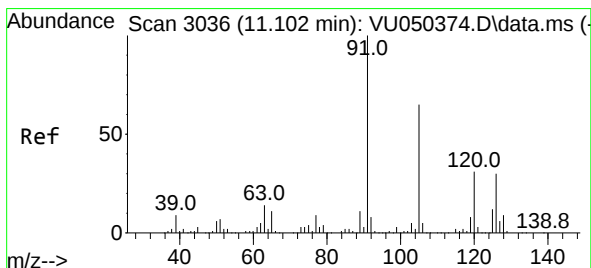
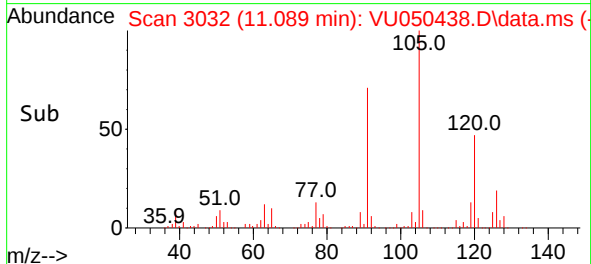
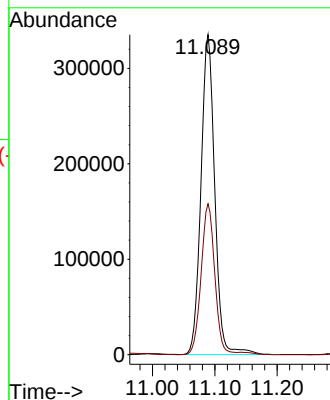
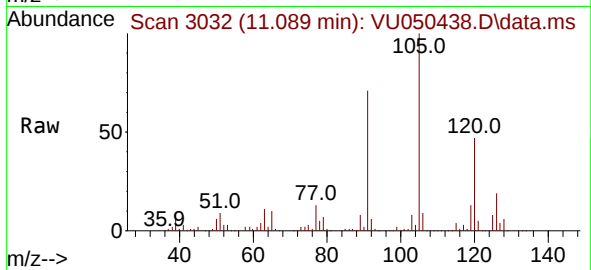




#75  
1,3,5-Trimethylbenzene  
Concen: 9.784 ug/l  
RT: 11.089 min Scan# 3032  
Delta R.T. 0.000 min  
Lab File: VU050438.D  
Acq: 25 Aug 2022 09:33

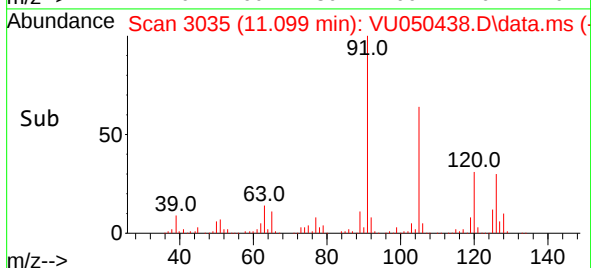
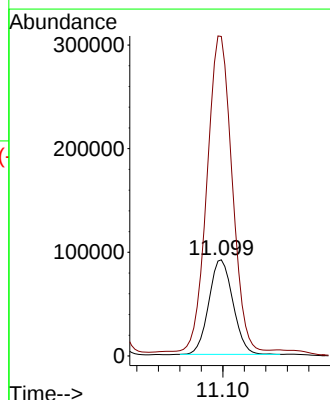
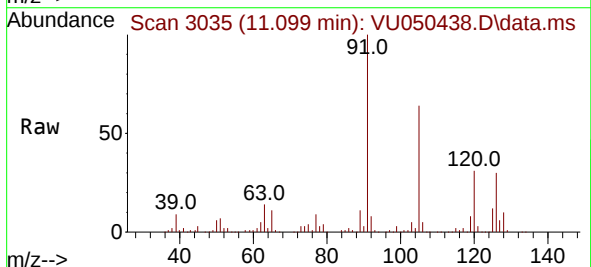
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010

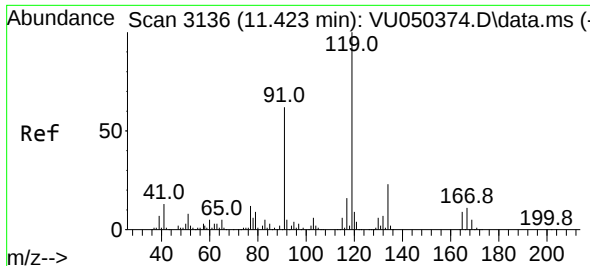
Tgt Ion:105 Resp: 515718  
Ion Ratio Lower Upper  
105 100  
120 46.6 37.6 56.4



#76  
4-Chlorotoluene  
Concen: 9.156 ug/l  
RT: 11.099 min Scan# 3035  
Delta R.T. 0.000 min  
Lab File: VU050438.D  
Acq: 25 Aug 2022 09:33

Tgt Ion:126 Resp: 141961  
Ion Ratio Lower Upper  
126 100  
91 345.1 0.0 738.8

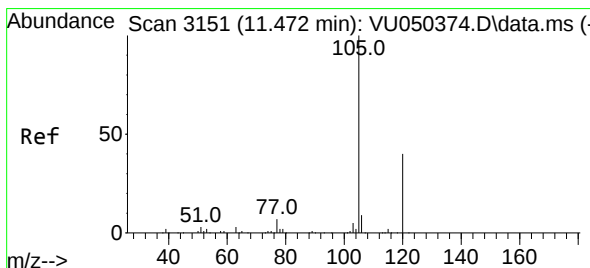
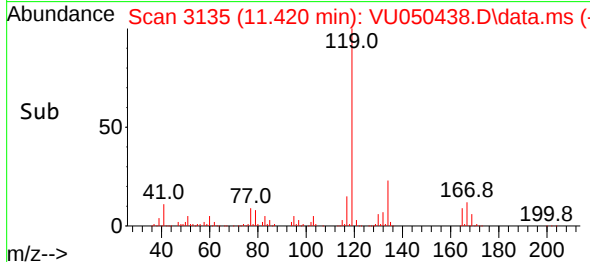
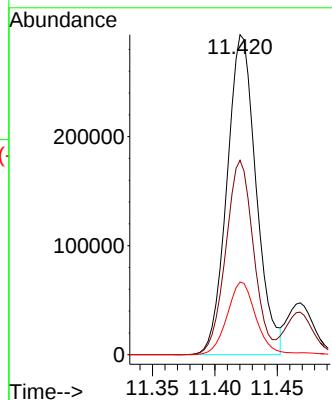
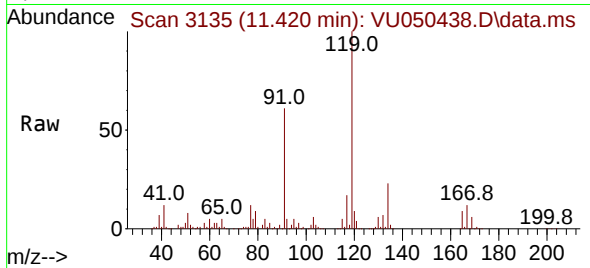




#77  
tert-Butylbenzene  
Concen: 9.635 ug/l  
RT: 11.420 min Scan# 3135  
Delta R.T. 0.000 min  
Lab File: VU050438.D  
Acq: 25 Aug 2022 09:33

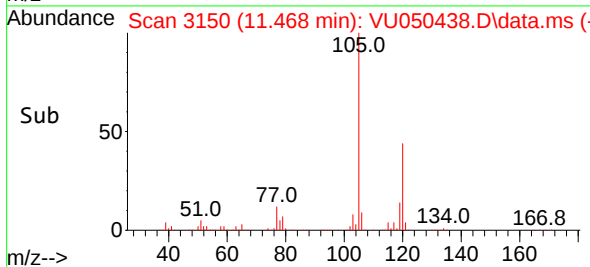
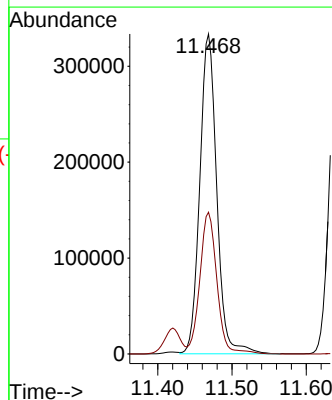
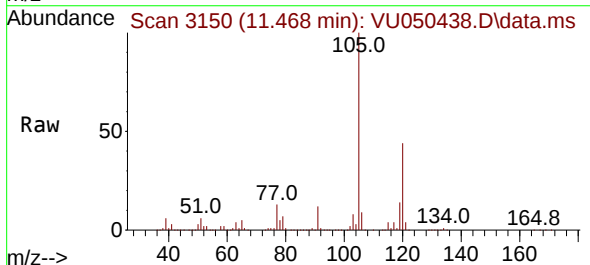
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MSVOA\_U  
ClientSampleId :  
VSTDCCC010

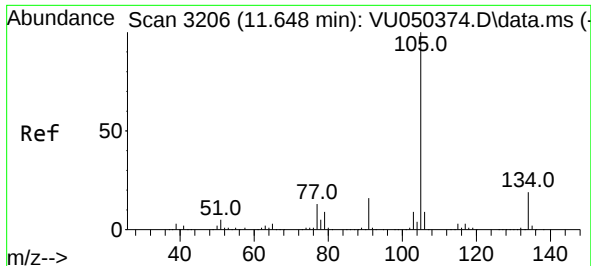
Tgt Ion:119 Resp: 477835  
Ion Ratio Lower Upper  
119 100  
91 57.8 30.4 91.3  
134 22.9 17.8 26.6



#78  
1,2,4-Trimethylbenzene  
Concen: 9.599 ug/l  
RT: 11.468 min Scan# 3150  
Delta R.T. 0.000 min  
Lab File: VU050438.D  
Acq: 25 Aug 2022 09:33

Tgt Ion:105 Resp: 528532  
Ion Ratio Lower Upper  
105 100  
120 44.7 21.6 65.0

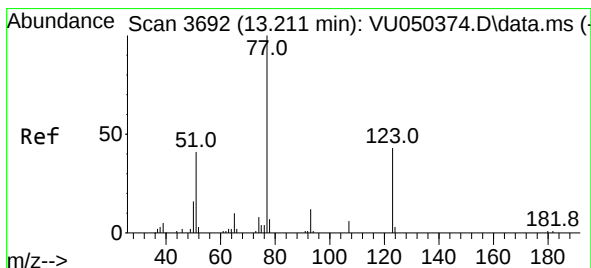
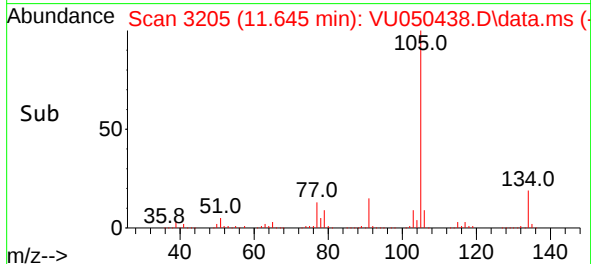
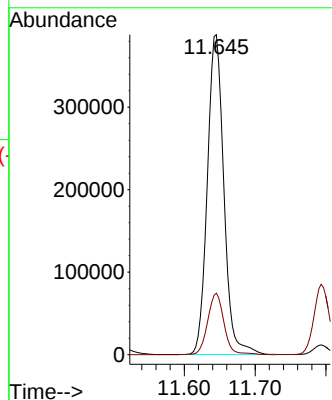
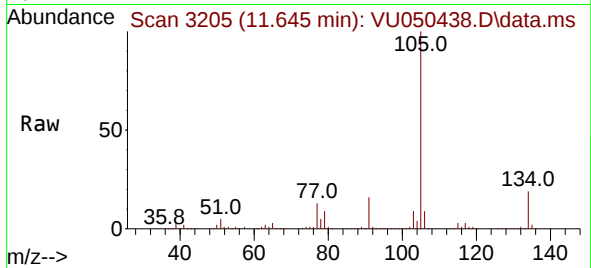




#79  
 sec-Butylbenzene  
 Concen: 9.271 ug/l  
 RT: 11.645 min Scan# 31  
 Delta R.T. 0.000 min  
 Lab File: VU050438.D  
 Acq: 25 Aug 2022 09:33

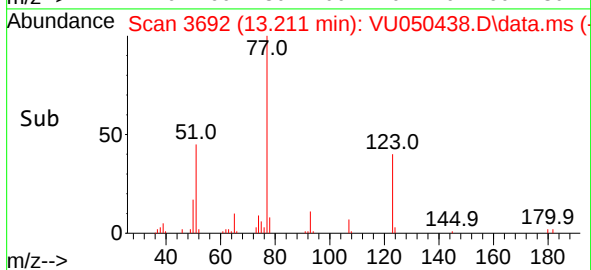
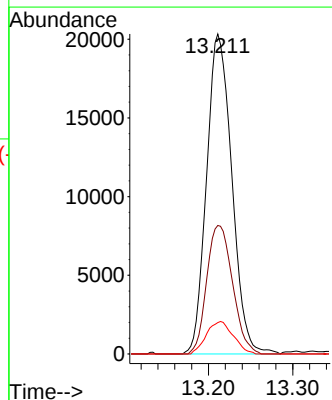
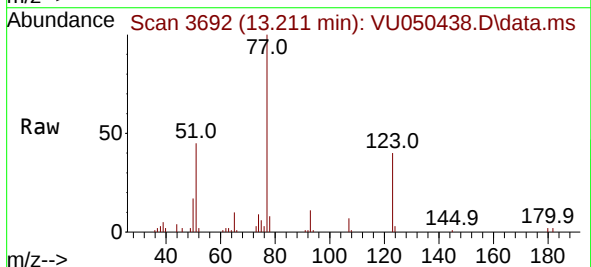
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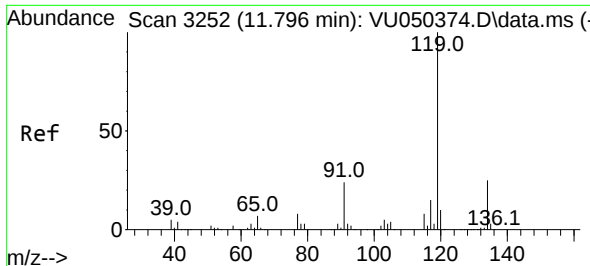
Tgt Ion:105 Resp: 627683  
 Ion Ratio Lower Upper  
 105 100  
 134 19.0 15.4 23.0



#80  
 Nitrobenzene  
 Concen: 51.829 ug/l  
 RT: 13.211 min Scan# 3692  
 Delta R.T. 0.003 min  
 Lab File: VU050438.D  
 Acq: 25 Aug 2022 09:33

Tgt Ion: 77 Resp: 42371  
 Ion Ratio Lower Upper  
 77 100  
 123 41.0 18.1 64.3  
 65 10.8 10.8 13.8#

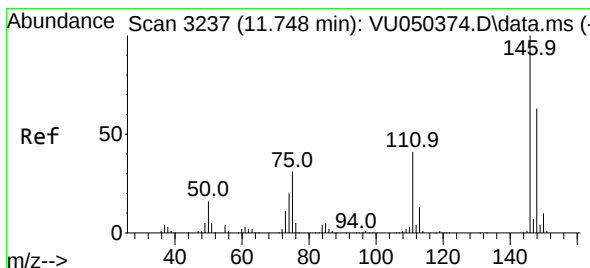
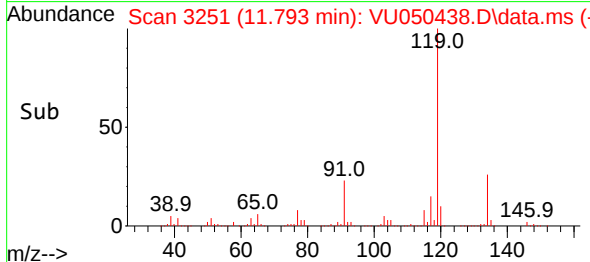
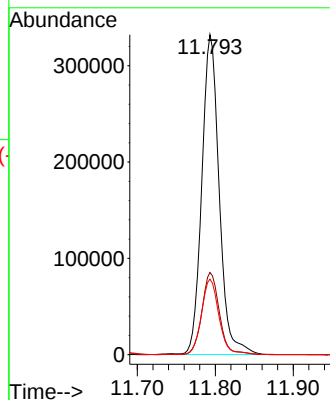
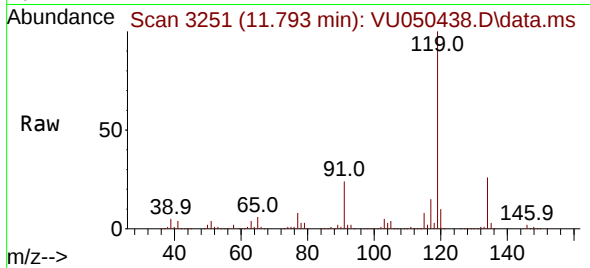




#81  
 p-Isopropyltoluene  
 Concen: 9.294 ug/l  
 RT: 11.793 min Scan# 31  
 Delta R.T. 0.000 min  
 Lab File: VU050438.D  
 Acq: 25 Aug 2022 09:33

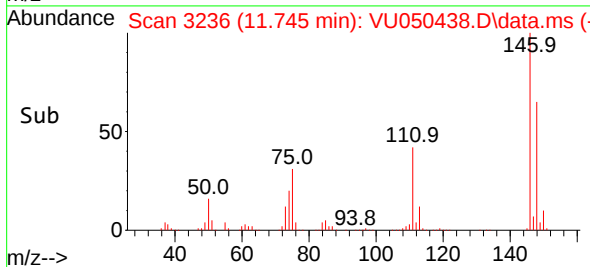
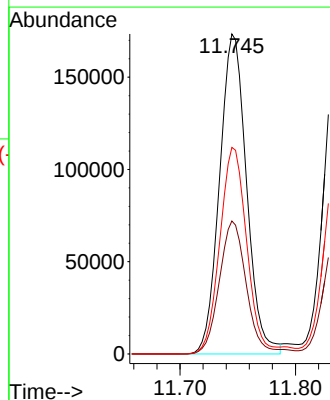
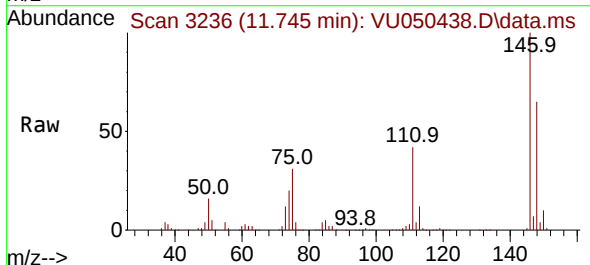
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC010

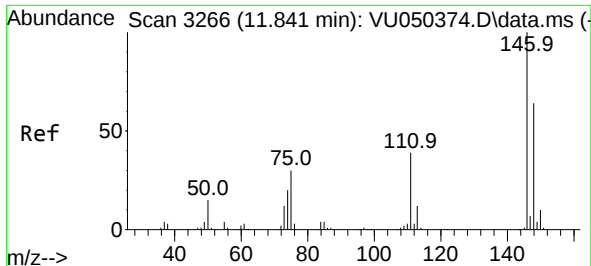
Tgt Ion:119 Resp: 513888  
 Ion Ratio Lower Upper  
 119 100  
 134 25.7 20.5 30.7  
 91 23.7 19.8 29.6



#82  
 1,3-Dichlorobenzene  
 Concen: 10.600 ug/l  
 RT: 11.745 min Scan# 3236  
 Delta R.T. 0.000 min  
 Lab File: VU050438.D  
 Acq: 25 Aug 2022 09:33

Tgt Ion:146 Resp: 281317  
 Ion Ratio Lower Upper  
 146 100  
 111 42.0 33.4 50.2  
 148 65.5 51.2 76.8

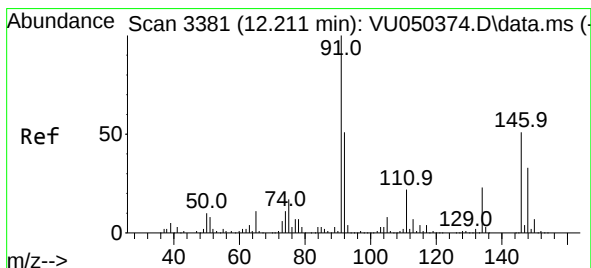
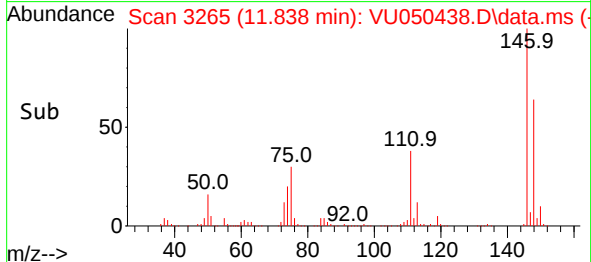
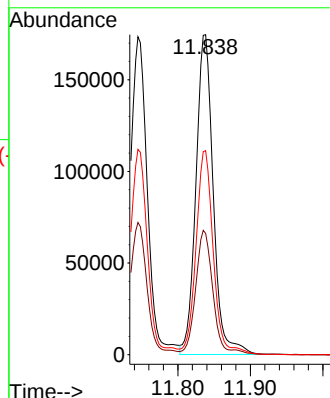
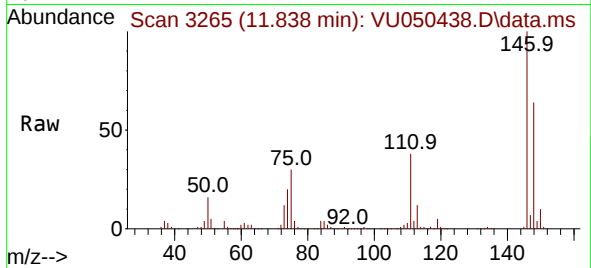




#83  
1,4-Dichlorobenzene  
Concen: 10.992 ug/l  
RT: 11.838 min Scan# 31  
Delta R.T. 0.003 min  
Lab File: VU050438.D  
Acq: 25 Aug 2022 09:33

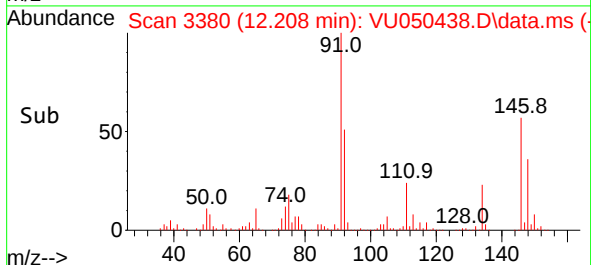
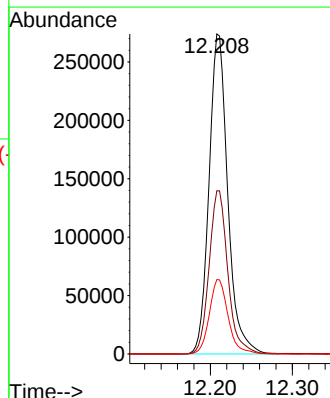
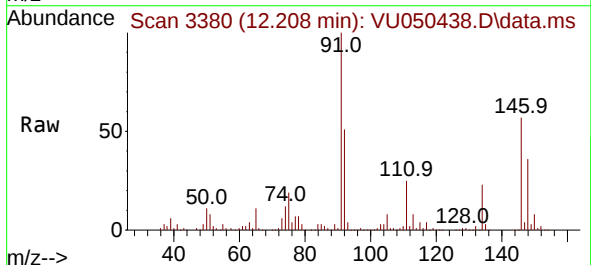
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ClientSampleId :  
VSTDCCC010

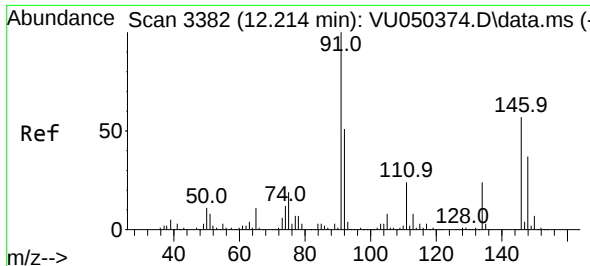
Tgt Ion:146 Resp: 290003  
Ion Ratio Lower Upper  
146 100  
111 38.5 32.6 49.0  
148 63.6 51.6 77.4



#84  
n-Butylbenzene  
Concen: 8.623 ug/l  
RT: 12.208 min Scan# 3380  
Delta R.T. -0.003 min  
Lab File: VU050438.D  
Acq: 25 Aug 2022 09:33

Tgt Ion: 91 Resp: 433995  
Ion Ratio Lower Upper  
91 100  
92 51.0 42.3 63.5  
134 23.3 19.6 29.4

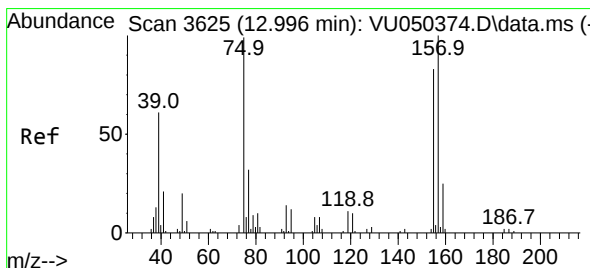
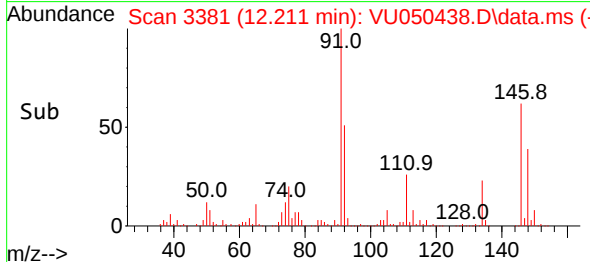
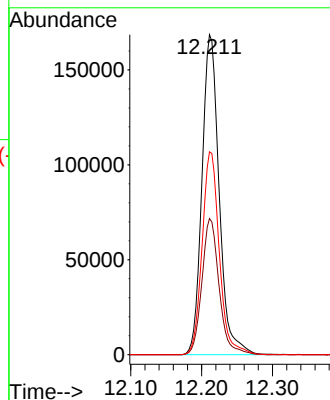
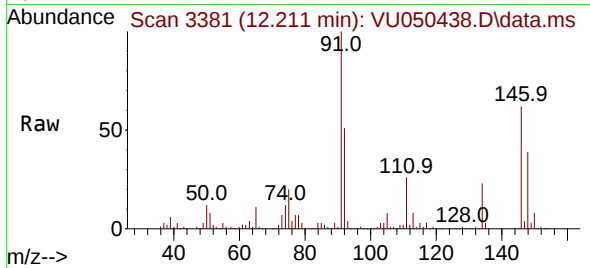




#85  
1,2-Dichlorobenzene  
Concen: 10.894 ug/l  
RT: 12.211 min Scan# 311  
Delta R.T. 0.000 min  
Lab File: VU050438.D  
Acq: 25 Aug 2022 09:33

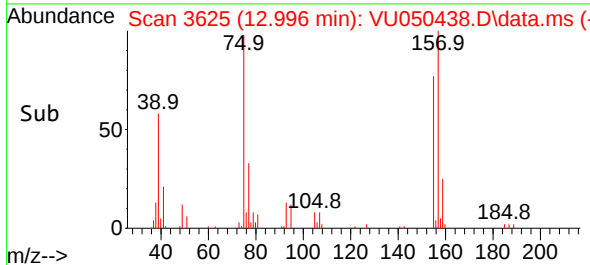
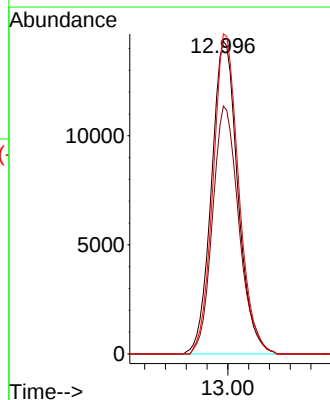
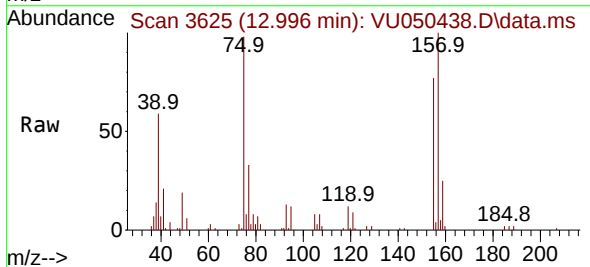
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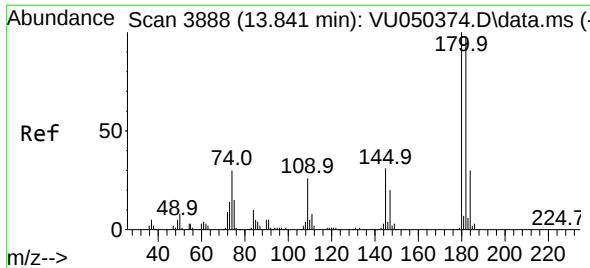
Tgt Ion:146 Resp: 284231  
Ion Ratio Lower Upper  
146 100  
111 42.5 22.1 66.1  
148 63.4 32.1 96.3



#86  
1,2-Dibromo-3-Chloropropane  
Concen: 10.639 ug/l  
RT: 12.996 min Scan# 3625  
Delta R.T. 0.000 min  
Lab File: VU050438.D  
Acq: 25 Aug 2022 09:33

Tgt Ion: 75 Resp: 25299  
Ion Ratio Lower Upper  
75 100  
155 79.1 66.8 100.2  
157 99.3 83.8 125.8

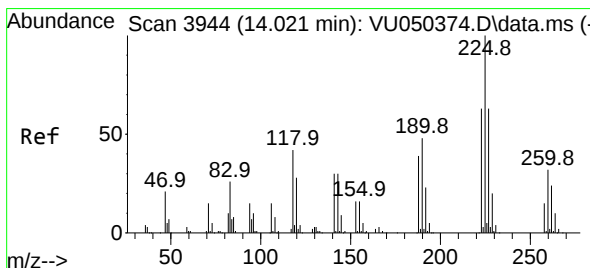
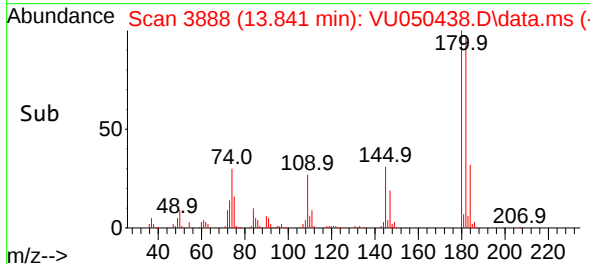
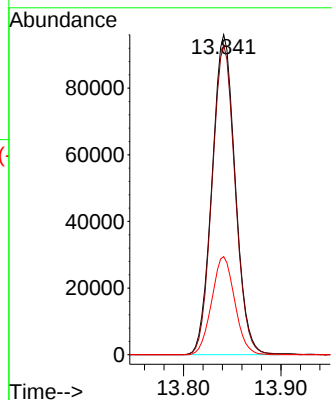
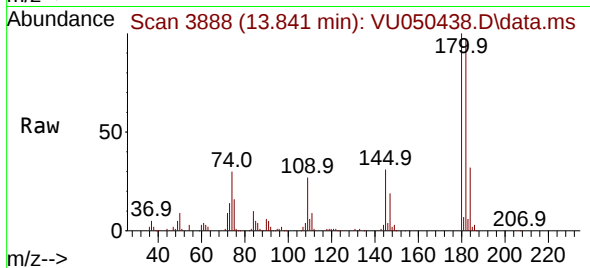




#87  
 1,2,4-Trichlorobenzene  
 Concen: 10.671 ug/l  
 RT: 13.841 min Scan# 3888  
 Delta R.T. 0.000 min  
 Lab File: VU050438.D  
 Acq: 25 Aug 2022 09:33

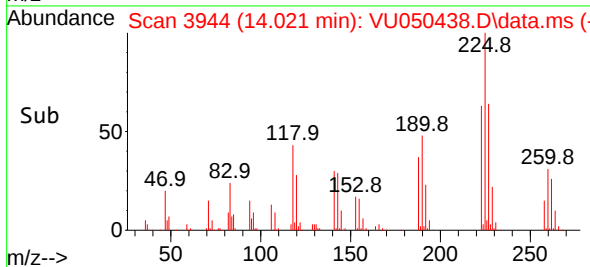
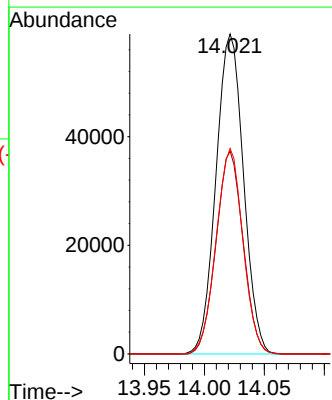
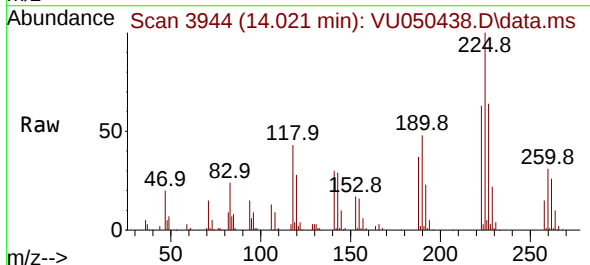
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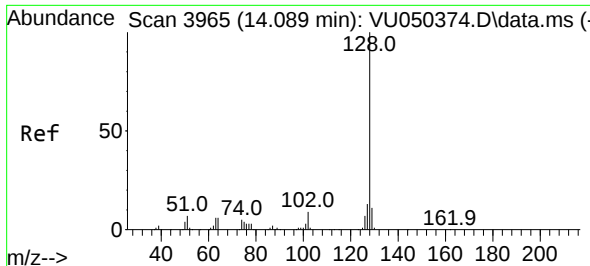
Tgt Ion:180 Resp: 158849  
 Ion Ratio Lower Upper  
 180 100  
 182 96.2 77.0 115.6  
 145 30.4 25.7 38.5



#88  
 Hexachlorobutadiene  
 Concen: 9.703 ug/l  
 RT: 14.021 min Scan# 3944  
 Delta R.T. 0.000 min  
 Lab File: VU050438.D  
 Acq: 25 Aug 2022 09:33

Tgt Ion:225 Resp: 94004  
 Ion Ratio Lower Upper  
 225 100  
 223 62.2 50.6 76.0  
 227 62.6 50.7 76.1

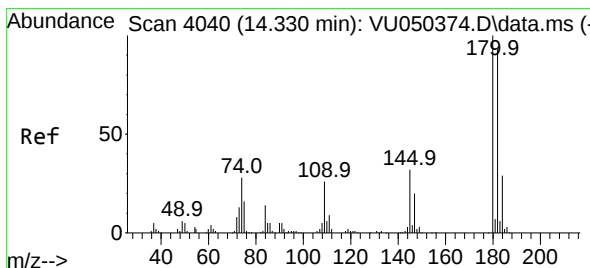
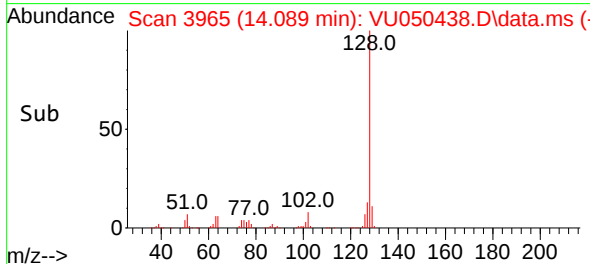
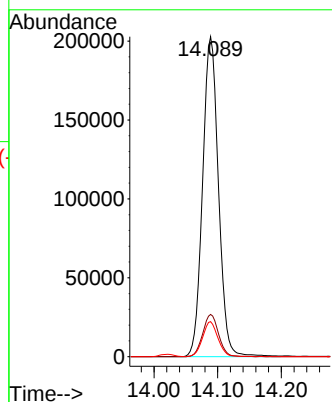
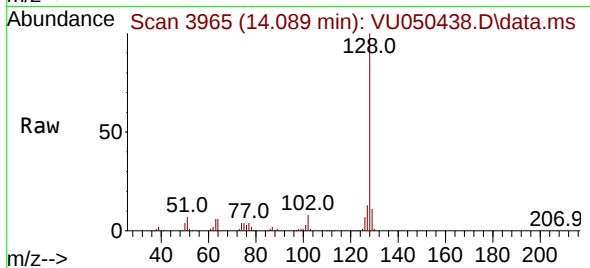




#89  
Naphthalene  
Concen: 8.827 ug/l  
RT: 14.089 min Scan# 3965  
Delta R.T. 0.000 min  
Lab File: VU050438.D  
Acq: 25 Aug 2022 09:33

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 128   | Resp: | 351281 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 13.2  | 10.1  | 15.1   |
| 129       | 10.6  | 8.6   | 12.8   |



#90  
1,2,3-Trichlorobenzene  
Concen: 8.880 ug/l  
RT: 14.330 min Scan# 4040  
Delta R.T. 0.000 min  
Lab File: VU050438.D  
Acq: 25 Aug 2022 09:33

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 169666 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 95.3  | 76.6  | 114.8  |
| 145       | 32.3  | 27.3  | 40.9   |

