

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU031121\  
 Data File : VU042556.D  
 Acq On : 11 Mar 2021 09:47  
 Operator : SY/MD  
 Sample : VSTDCCC010  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampled :  
 VSTD01002

Manual Integrations  
 APPROVED

MMDadoda  
 3/12/2021 5:15:10 PM

Quant Time: Mar 11 10:29:24 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U030921DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Wed Mar 10 06:46:59 2021  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon | Response | Conc   | Units   | Dev(Min) |
|------------------------------|--------|------|----------|--------|---------|----------|
| -----                        |        |      |          |        |         |          |
| Internal Standards           |        |      |          |        |         |          |
| 1) Fluorobenzene             | 6.124  | 96   | 20774    | 1.00   | ug/l    | # 0.00   |
| System Monitoring Compounds  |        |      |          |        |         |          |
| 57) 4-Bromofluorobenzene     | 10.642 | 95   | 10914    | 1.19   | ug/l    | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =      | 119.00% |          |
| 68) 1,2-Dichlorobenzene-d4   | 12.201 | 152  | 10776    | 1.14   | ug/l    | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =      | 114.00% |          |
| Target Compounds             |        |      |          |        |         |          |
|                              |        |      |          |        |         | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.388  | 85   | 78186    | 9.22   | ug/l    | 99       |
| 3) Chloromethane             | 1.526  | 50   | 68762    | 9.21   | ug/l    | 99       |
| 4) Vinyl Chloride            | 1.610  | 62   | 67267    | 9.22   | ug/l    | 99       |
| 5) Bromomethane              | 1.864  | 94   | 43226    | 9.92   | ug/l    | 95       |
| 6) Chloroethane              | 1.941  | 64   | 42587    | 9.60   | ug/l    | 99       |
| 7) Trichlorofluoromethane    | 2.147  | 101  | 115818   | 9.65   | ug/l    | 96       |
| 8) 1,1,2-Trichloro-1,2,2-... | 2.591  | 101  | 58980    | 9.59   | ug/l    | 99       |
| 9) 1,1-Dichloroethene        | 2.591  | 96   | 50363    | 9.49   | ug/l    | 99       |
| 10) Iodomethane              | 2.732  | 142  | 82629    | 9.74   | ug/l    | 99       |
| 11) Allyl Chloride           | 2.932  | 41   | 96975    | 9.58   | ug/l    | 99       |
| 12) Acrylonitrile            | 3.330  | 53   | 26914    | 20.68  | ug/l    | # 91     |
| 13) Acetone                  | 2.639  | 43   | 47544    | 56.14  | ug/l    | 100      |
| 14) Carbon Disulfide         | 2.803  | 76   | 163366   | 9.44   | ug/l    | 98       |
| 15) Methylene Chloride       | 3.057  | 84   | 57417    | 9.28   | ug/l    | 96       |
| 16) trans-1,2-Dichloroethene | 3.362  | 96   | 54555    | 9.59   | ug/l    | 94       |
| 17) 1,1-Dichloroethane       | 3.883  | 63   | 109772   | 9.66   | ug/l    | 100      |
| 18) 2-Butanone               | 4.732  | 43   | 92218    | 54.02  | ug/l    | 99       |
| 19) Cyclohexane              | 5.391  | 56   | 91268    | 8.75   | ug/l    | 93       |
| 20) Methylcyclohexane        | 6.771  | 83   | 93942    | 10.16  | ug/l    | 98       |
| 21) 2,2-Dichloropropane      | 4.677  | 77   | 102246   | 9.54   | ug/l    | 99       |
| 22) cis-1,2-Dichloroethene   | 4.677  | 96   | 60617    | 9.79   | ug/l    | 99       |
| 23) Diethyl Ether            | 2.385  | 59   | 43279    | 9.76   | ug/l    | 97       |
| 24) tert-Butyl Alcohol       | 3.208  | 59   | 26536    | 109.33 | ug/l    | # 95     |
| 25) Methyl tert-Butyl Ether  | 3.378  | 73   | 146805   | 9.83   | ug/l    | 99       |
| 26) Bromochloromethane       | 4.986  | 128  | 29633    | 9.80   | ug/l    | 98       |
| 27) Chloroform               | 5.102  | 83   | 115239   | 9.85   | ug/l    | 96       |
| 28) 1,1,1-Trichloroethane    | 5.327  | 97   | 104988   | 9.73   | ug/l    | 99       |
| 29) 1,1-Dichloropropene      | 5.533  | 75   | 80044    | 10.01  | ug/l    | 100      |
| 30) Carbon Tetrachloride     | 5.533  | 117  | 88689    | 9.76   | ug/l    | 99       |
| 31) Isopropyl Ether          | 4.012  | 45   | 194687   | 9.74   | ug/l    | 99       |
| 32) Ethyl-t-butyl ether      | 4.523  | 59   | 173638   | 9.79   | ug/l    | 100      |
| 33) Tert-Amyl methyl ether   | 5.960  | 73   | 143787   | 10.10  | ug/l    | 99       |
| 34) Propionitrile            | 4.800  | 54   | 21112    | 57.60  | ug/l    | # 96     |
| 35) Benzene                  | 5.784  | 78   | 221659   | 9.91   | ug/l    | 98       |
| 36) 1,2-Dichloroethane       | 5.809  | 62   | 85767    | 10.00  | ug/l    | 99       |
| 37) Trichloroethene          | 6.552  | 130  | 60651    | 9.51   | ug/l    | 94       |
| 38) 1,2-Dichloropropane      | 6.803  | 63   | 61421    | 9.85   | ug/l    | 98       |
| 39) Methacrylonitrile        | 4.993  | 41   | 26021    | 10.17  | ug/l    | 97       |
| 40) Methyl acrylate          | 4.864  | 55   | 34864    | 9.79   | ug/l    | 97       |
| 41) Tetrahydrofuran          | 5.079  | 42   | 25336    | 21.20  | ug/l    | 96       |
| 42) 1-Chlorobutane           | 5.468  | 56   | 114011   | 9.58   | ug/l    | 98       |
| 43) Dibromomethane           | 6.931  | 93   | 36266    | 10.26  | ug/l    | 97       |
| 44) Bromodichloromethane     | 7.118  | 83   | 83643    | 10.17  | ug/l    | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU031121\  
 Data File : VU042556.D  
 Acq On : 11 Mar 2021 09:47  
 Operator : SY/MD  
 Sample : VSTDCCC010  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD01002

Manual Integrations  
 APPROVED

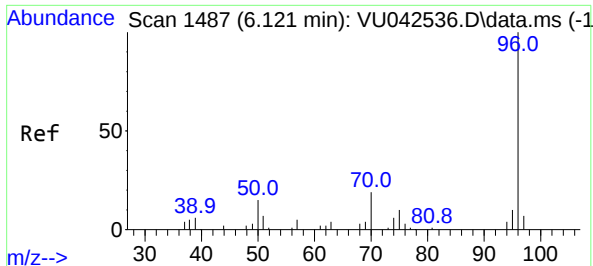
MMDadoda  
 3/12/2021 5:15:10 PM

Quant Time: Mar 11 10:29:24 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U030921DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Wed Mar 10 06:46:59 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 45) 4-Methyl-2-Pentanone      | 7.812  | 43   | 272540   | 52.68 | ug/l  | 99       |
| 46) t-1,4-Dichloro-2-butene   | 10.844 | 75   | 37216m   | 17.96 | ug/l  |          |
| 47) Methyl methacrylate       | 6.976  | 69   | 65606    | 20.52 | ug/l  | 96       |
| 48) Ethyl methacrylate        | 8.346  | 69   | 65927    | 10.33 | ug/l  | 99       |
| 49) Toluene                   | 7.980  | 92   | 145452   | 10.21 | ug/l  | 100      |
| 50) t-1,3-Dichloropropene     | 8.221  | 75   | 80843    | 10.39 | ug/l  | 99       |
| 51) cis-1,3-Dichloropropene   | 7.619  | 75   | 86987    | 10.24 | ug/l  | 99       |
| 52) 1,1,2-Trichloroethane     | 8.410  | 97   | 47837    | 10.29 | ug/l  | 98       |
| 53) 1,3-Dichloropropane       | 8.587  | 76   | 83044    | 10.00 | ug/l  | 99       |
| 54) 2-Hexanone                | 8.703  | 43   | 198310   | 53.06 | ug/l  | 99       |
| 55) Dibromochloromethane      | 8.822  | 129  | 59411    | 10.27 | ug/l  | 97       |
| 56) 1,2-Dibromoethane         | 8.934  | 107  | 48026    | 10.00 | ug/l  | 99       |
| 58) Tetrachloroethene         | 8.562  | 164  | 60560    | 9.67  | ug/l  | 94       |
| 59) Chlorobenzene             | 9.455  | 112  | 160068   | 10.22 | ug/l  | 99       |
| 60) 1,1,1,2-Tetrachloroethane | 9.545  | 131  | 62941    | 10.58 | ug/l  | 98       |
| 61) Pentachloroethane         | 11.436 | 117  | 51279    | 10.52 | ug/l  | 93       |
| 62) Hexachloroethane          | 12.484 | 117  | 52867    | 8.99  | ug/l  | 95       |
| 63) Ethyl Benzene             | 9.578  | 91   | 288357   | 10.50 | ug/l  | 99       |
| 64) m/p-Xylenes               | 9.703  | 106  | 222967   | 21.37 | ug/l  | 97       |
| 65) o-Xylene                  | 10.111 | 106  | 107717   | 10.64 | ug/l  | 100      |
| 66) Styrene                   | 10.124 | 104  | 189377   | 10.95 | ug/l  | 100      |
| 67) Bromoform                 | 10.301 | 173  | 40187    | 10.67 | ug/l  | 98       |
| 69) Isopropylbenzene          | 10.494 | 105  | 296311   | 10.73 | ug/l  | 99       |
| 70) 1,1,2,2-Tetrachloroethane | 10.793 | 83   | 66621    | 10.47 | ug/l  | 98       |
| 71) 1,2,3-Trichloropropane    | 10.838 | 75   | 58246m   | 11.26 | ug/l  |          |
| 72) Bromobenzene              | 10.790 | 156  | 77106    | 10.31 | ug/l  | 99       |
| 73) n-propylbenzene           | 10.915 | 120  | 80810    | 10.67 | ug/l  | 93       |
| 74) 2-Chlorotoluene           | 10.996 | 126  | 73048    | 10.74 | ug/l  | 99       |
| 75) 1,3,5-Trimethylbenzene    | 11.095 | 105  | 270150   | 10.97 | ug/l  | 100      |
| 76) 4-Chlorotoluene           | 11.105 | 126  | 78946    | 11.05 | ug/l  | 99       |
| 77) tert-Butylbenzene         | 11.430 | 119  | 262774   | 10.71 | ug/l  | 99       |
| 78) 1,2,4-Trimethylbenzene    | 11.478 | 105  | 278621   | 9.25  | ug/l  | 100      |
| 79) sec-Butylbenzene          | 11.651 | 105  | 348768   | 9.16  | ug/l  | 100      |
| 80) Nitrobenzene              | 13.220 | 77   | 9291     | 41.36 | ug/l  | 96       |
| 81) p-Isopropyltoluene        | 11.803 | 119  | 299775   | 9.13  | ug/l  | 98       |
| 82) 1,3-Dichlorobenzene       | 11.754 | 146  | 153621   | 10.52 | ug/l  | 100      |
| 83) 1,4-Dichlorobenzene       | 11.844 | 146  | 155619   | 10.58 | ug/l  | 100      |
| 84) n-Butylbenzene            | 12.217 | 91   | 291538   | 9.23  | ug/l  | 98       |
| 85) 1,2-Dichlorobenzene       | 12.221 | 146  | 151216   | 10.50 | ug/l  | 100      |
| 86) 1,2-Dibromo-3-Chloropr... | 13.005 | 75   | 13329    | 9.16  | ug/l  | 98       |
| 87) 1,2,4-Trichlorobenzene    | 13.851 | 180  | 108265   | 8.97  | ug/l  | 99       |
| 88) Hexachlorobutadiene       | 14.031 | 225  | 67337    | 10.48 | ug/l  | 97       |
| 89) Naphthalene               | 14.098 | 128  | 185918   | 8.68  | ug/l  | 99       |
| 90) 1,2,3-Trichlorobenzene    | 14.339 | 180  | 101777   | 8.95  | ug/l  | 99       |

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





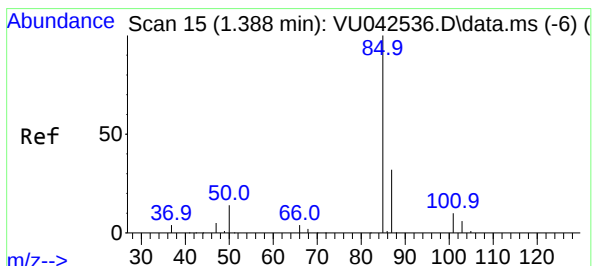
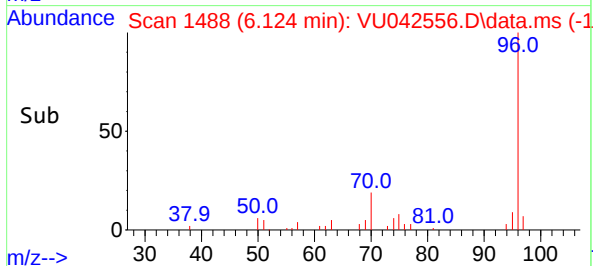
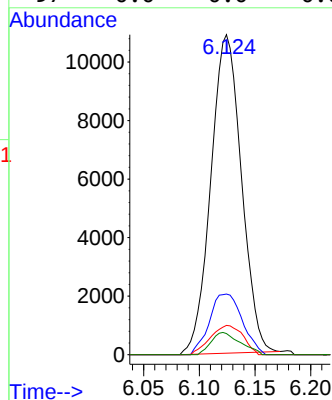
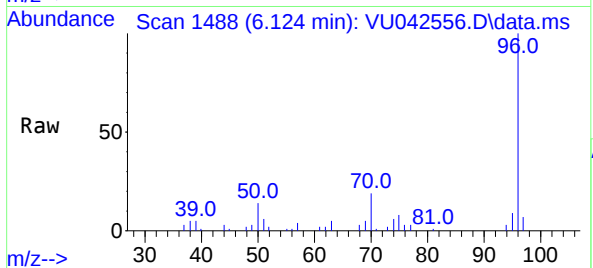
#1  
Fluorobenzene  
Concen: 1.00 ug/l  
RT: 6.124 min Scan# 1488  
Delta R.T. 0.003 min  
Lab File: VU042556.D  
Acq: 11 Mar 2021 09:47

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 20774 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 70       | 20.5  | 16.3  | 24.5  |
| 95       | 9.8   | 7.0   | 10.4  |
| 97       | 0.0   | 0.0   | 0.0   |

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD01002

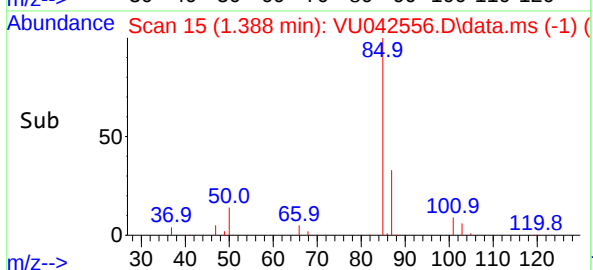
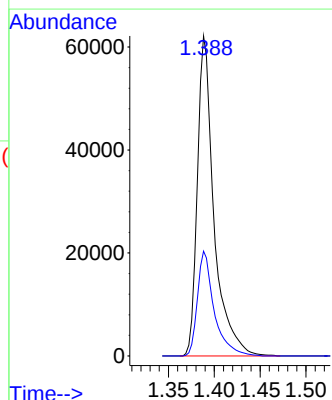
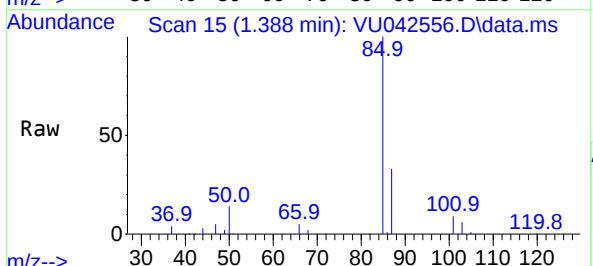
Manual Integrations  
APPROVED

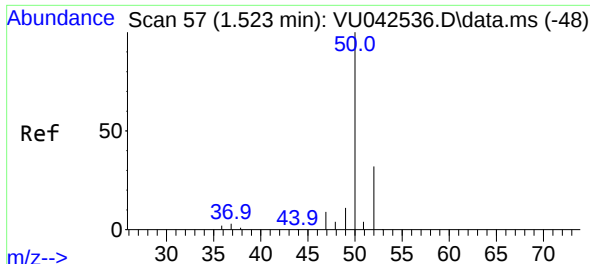
MMDadoda  
3/12/2021 5:15:10 PM



#2  
Dichlorodifluoromethane  
Concen: 9.22 ug/l  
RT: 1.388 min Scan# 15  
Delta R.T. -0.000 min  
Lab File: VU042556.D  
Acq: 11 Mar 2021 09:47

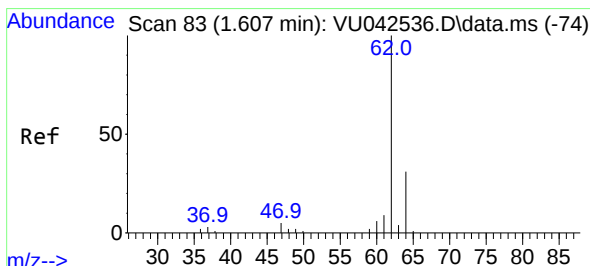
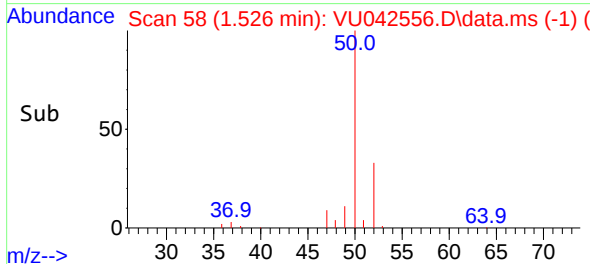
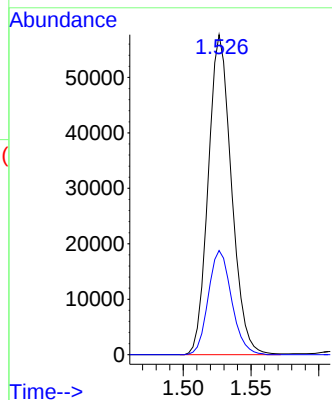
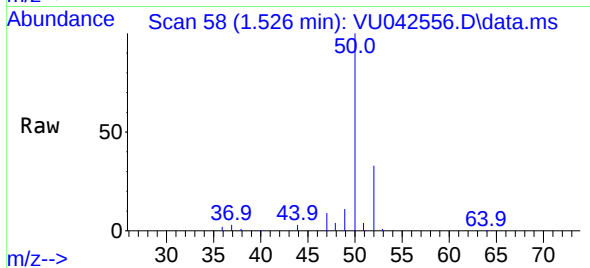
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 85    | Resp: | 78186 |
| Ion      | Ratio | Lower | Upper |
| 85       | 100   |       |       |
| 87       | 32.7  | 16.2  | 48.6  |





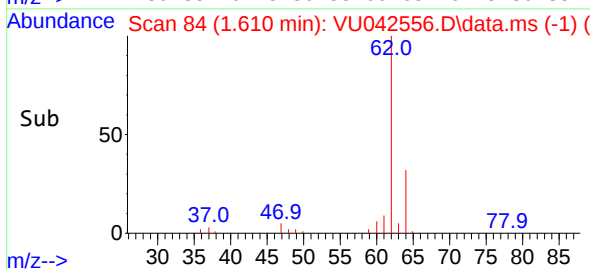
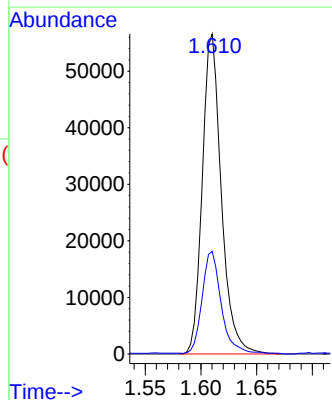
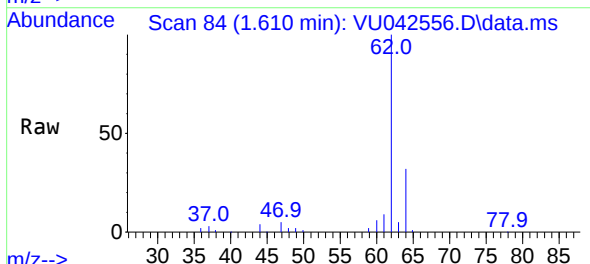
#3  
Chloromethane  
Concen: 9.21 ug/l  
RT: 1.526 min Scan# 58  
Delta R.T. 0.003 min  
Lab File: VU042556.D  
Acq: 11 Mar 2021 09:47

Tgt Ion: 50 Resp: 68762  
Ion Ratio Lower Upper  
50 100  
52 32.6 25.5 38.3



#4  
Vinyl Chloride  
Concen: 9.22 ug/l  
RT: 1.610 min Scan# 84  
Delta R.T. 0.003 min  
Lab File: VU042556.D  
Acq: 11 Mar 2021 09:47

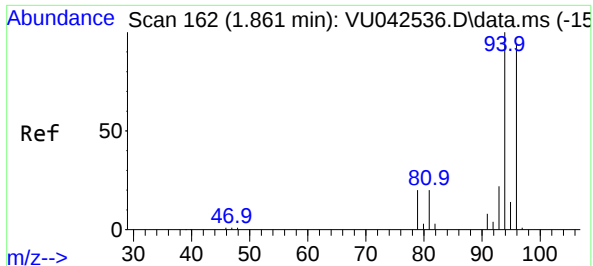
Tgt Ion: 62 Resp: 67267  
Ion Ratio Lower Upper  
62 100  
64 31.8 25.0 37.6



Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD01002

Manual Integrations  
APPROVED

MMDadoda  
3/12/2021 5:15:10 PM



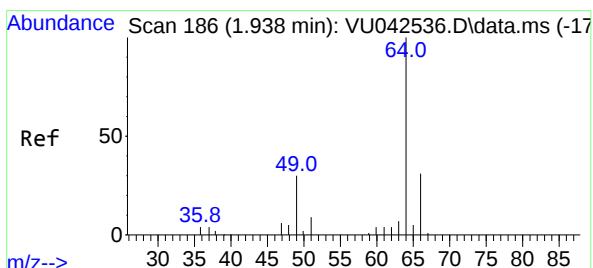
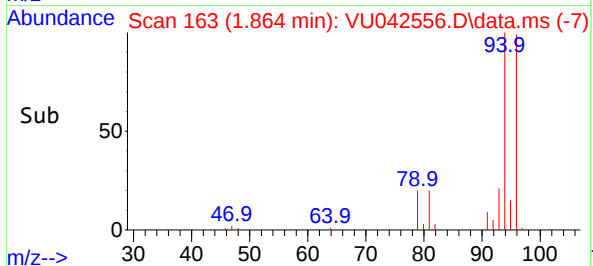
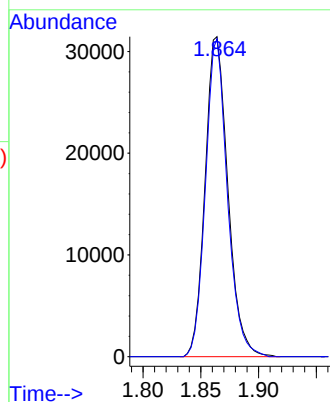
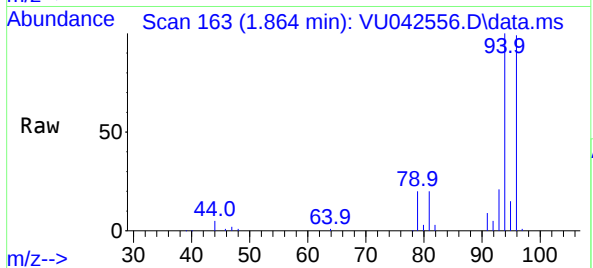
#5  
Bromomethane  
Concen: 9.92 ug/l  
RT: 1.864 min Scan# 163  
Delta R.T. 0.003 min  
Lab File: VU042556.D  
Acq: 11 Mar 2021 09:47

Tgt Ion: 94 Resp: 43226  
Ion Ratio Lower Upper  
94 100  
96 99.3 75.3 112.9

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD01002

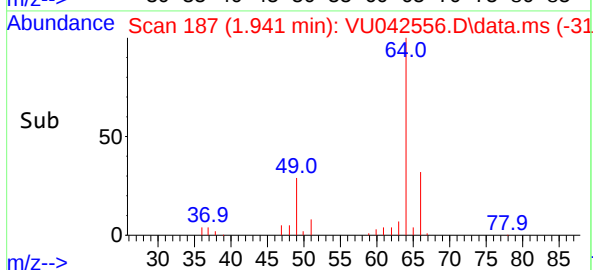
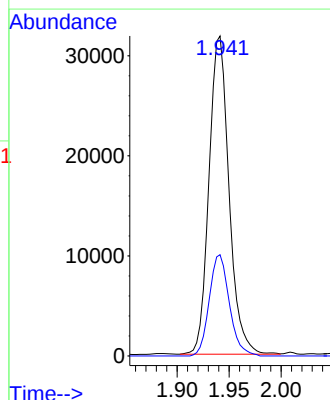
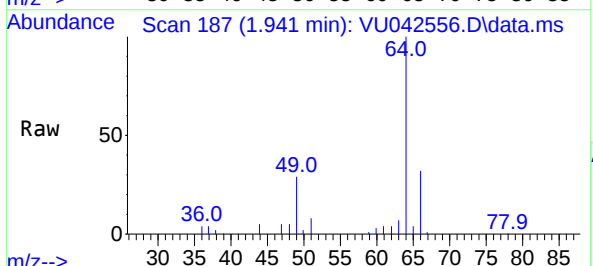
Manual Integrations  
APPROVED

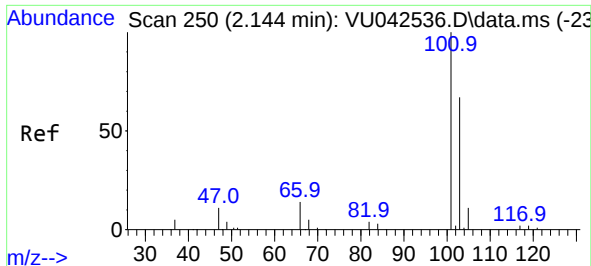
MMDadoda  
3/12/2021 5:15:10 PM



#6  
Chloroethane  
Concen: 9.60 ug/l  
RT: 1.941 min Scan# 187  
Delta R.T. 0.003 min  
Lab File: VU042556.D  
Acq: 11 Mar 2021 09:47

Tgt Ion: 64 Resp: 42587  
Ion Ratio Lower Upper  
64 100  
66 31.8 24.9 37.3





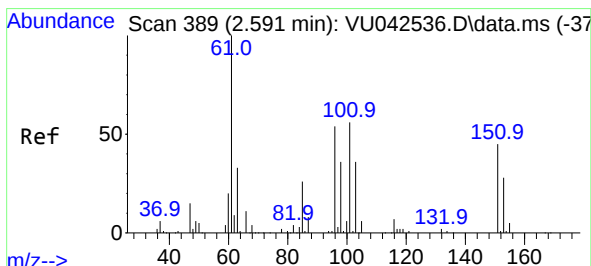
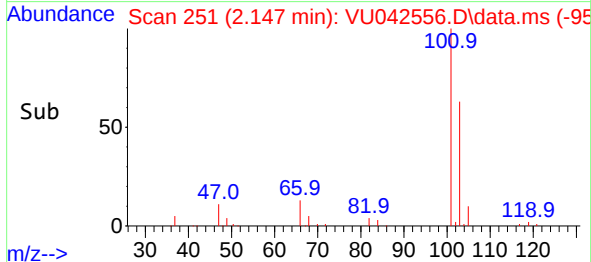
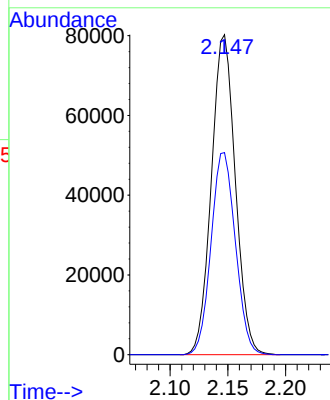
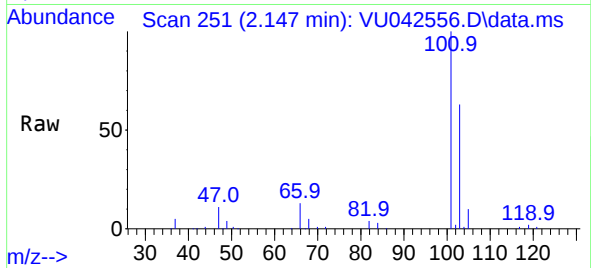
#7  
Trichlorofluoromethane  
Concen: 9.65 ug/l  
RT: 2.147 min Scan# 251  
Delta R.T. 0.003 min  
Lab File: VU042556.D  
Acq: 11 Mar 2021 09:47

Tgt Ion:101 Resp: 115818  
Ion Ratio Lower Upper  
101 100  
103 63.1 53.3 79.9

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD01002

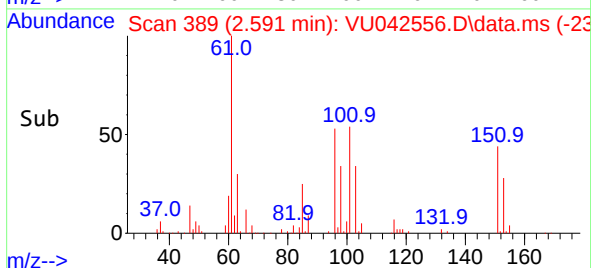
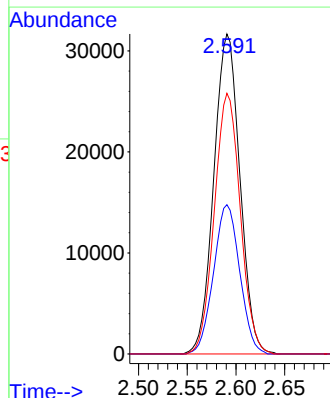
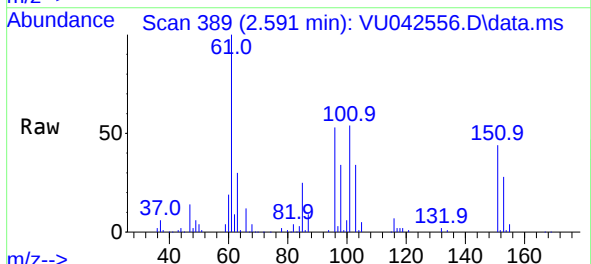
Manual Integrations  
APPROVED

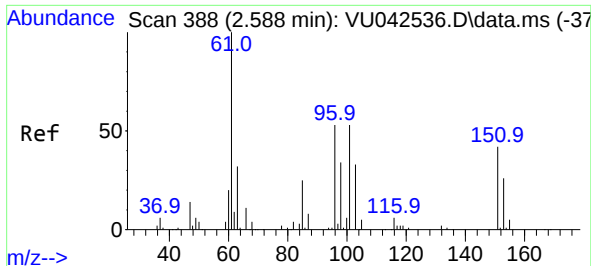
MMDadoda  
3/12/2021 5:15:10 PM



#8  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 9.59 ug/l  
RT: 2.591 min Scan# 389  
Delta R.T. -0.000 min  
Lab File: VU042556.D  
Acq: 11 Mar 2021 09:47

Tgt Ion:101 Resp: 58980  
Ion Ratio Lower Upper  
101 100  
85 46.8 37.1 55.7  
151 81.1 63.8 95.8





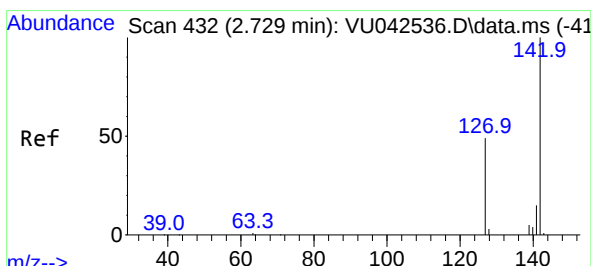
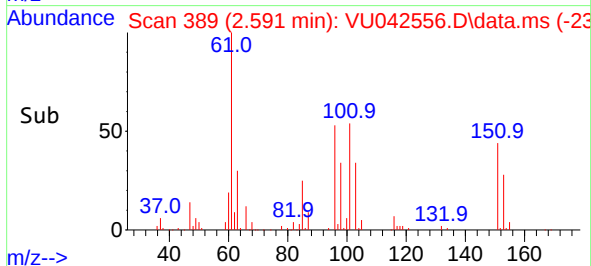
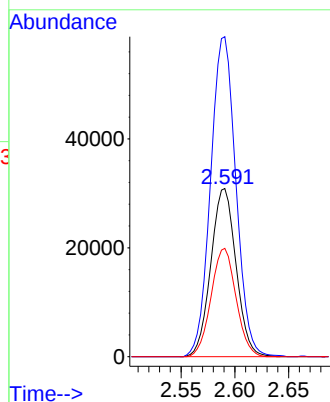
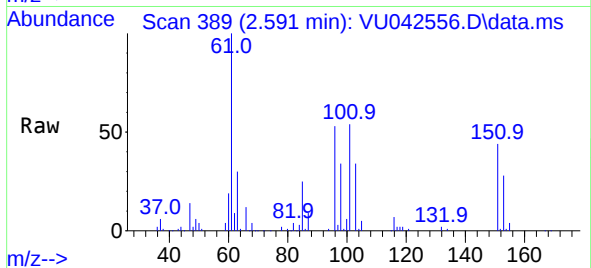
#9  
1,1-Dichloroethene  
Concen: 9.49 ug/l  
RT: 2.591 min Scan# 389  
Delta R.T. 0.003 min  
Lab File: VU042556.D  
Acq: 11 Mar 2021 09:47

Tgt Ion: 96 Resp: 50363  
Ion Ratio Lower Upper  
96 100  
61 190.3 0.0 563.7  
98 64.5 0.0 128.2

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD01002

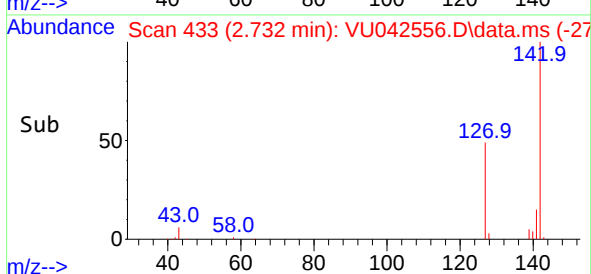
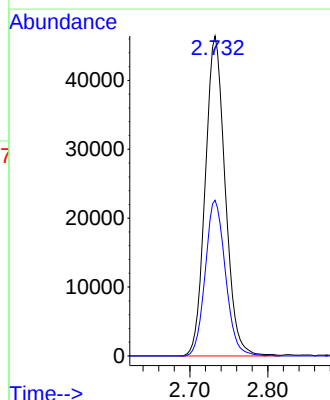
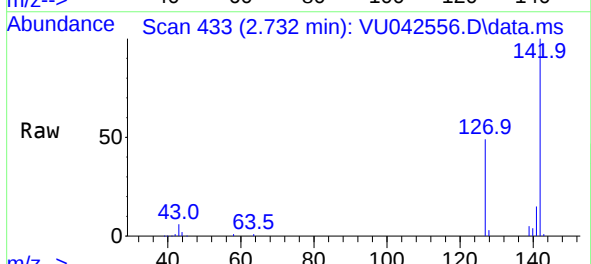
Manual Integrations  
APPROVED

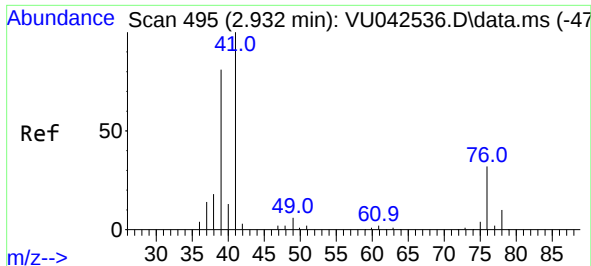
MMDadoda  
3/12/2021 5:15:10 PM



#10  
Iodomethane  
Concen: 9.74 ug/l  
RT: 2.732 min Scan# 433  
Delta R.T. 0.003 min  
Lab File: VU042556.D  
Acq: 11 Mar 2021 09:47

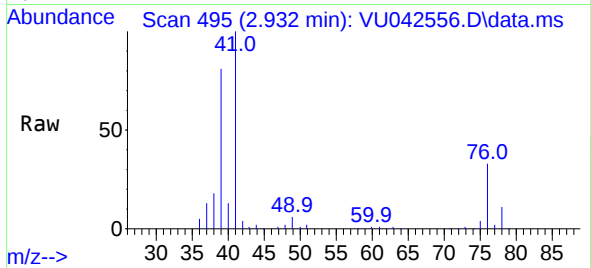
Tgt Ion: 142 Resp: 82629  
Ion Ratio Lower Upper  
142 100  
127 49.2 38.8 58.2





#11  
 Allyl Chloride  
 Concen: 9.58 ug/l  
 RT: 2.932 min Scan# 495  
 Delta R.T. -0.000 min  
 Lab File: VU042556.D  
 Acq: 11 Mar 2021 09:47

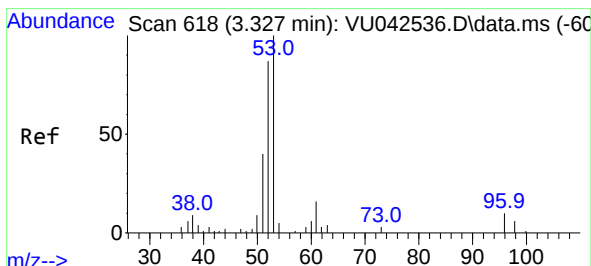
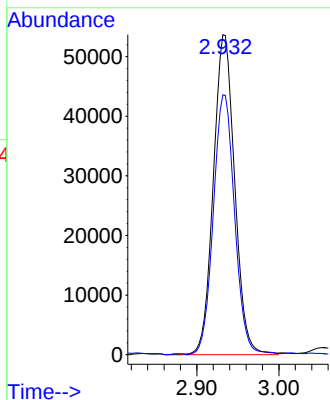
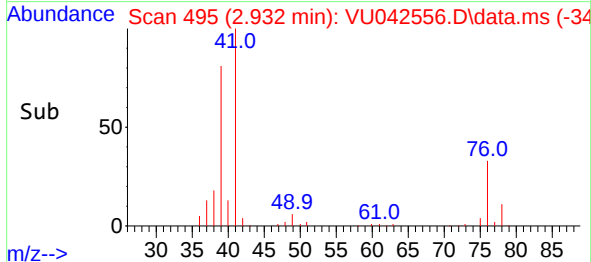
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD01002



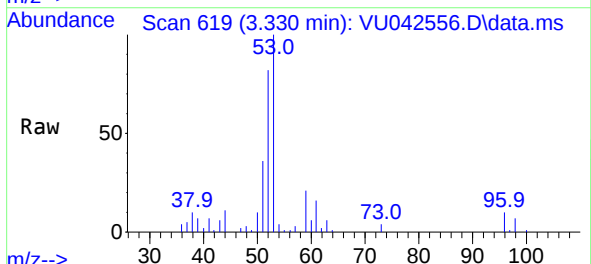
Tgt Ion: 41 Resp: 96975  
 Ion Ratio Lower Upper  
 41 100  
 39 81.3 65.9 98.9

Manual Integrations  
 APPROVED

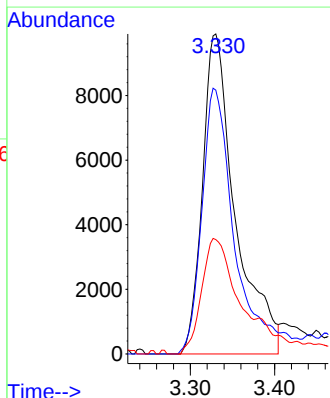
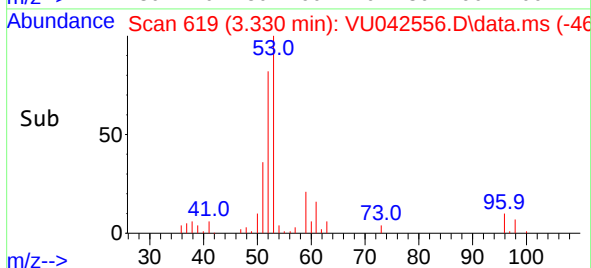
MMDadoda  
 3/12/2021 5:15:10 PM

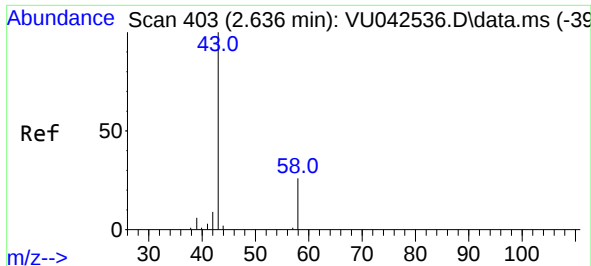


#12  
 Acrylonitrile  
 Concen: 20.68 ug/l  
 RT: 3.330 min Scan# 619  
 Delta R.T. 0.003 min  
 Lab File: VU042556.D  
 Acq: 11 Mar 2021 09:47



Tgt Ion: 53 Resp: 26914  
 Ion Ratio Lower Upper  
 53 100  
 52 84.2 68.6 102.8  
 51 36.9 41.4 62.0#





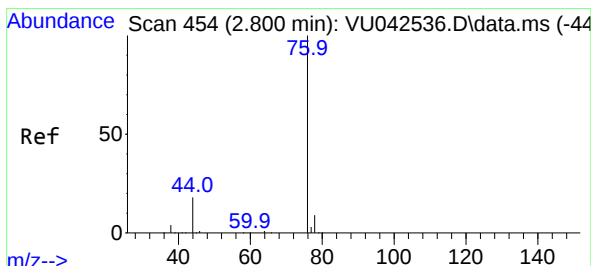
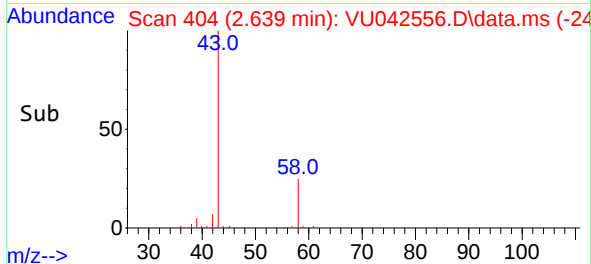
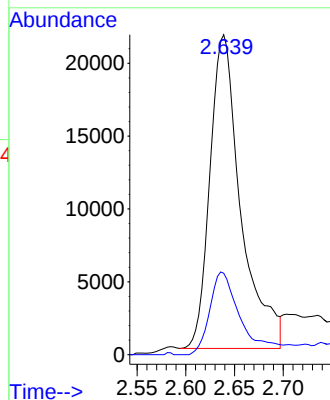
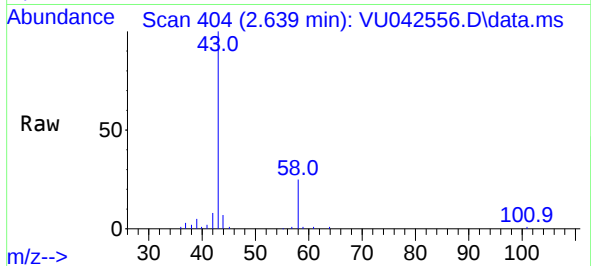
#13  
Acetone  
Concen: 56.14 ug/l  
RT: 2.639 min Scan# 404  
Delta R.T. 0.003 min  
Lab File: VU042556.D  
Acq: 11 Mar 2021 09:47

Tgt Ion: 43 Resp: 47544  
Ion Ratio Lower Upper  
43 100  
58 26.0 21.0 31.4

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD01002

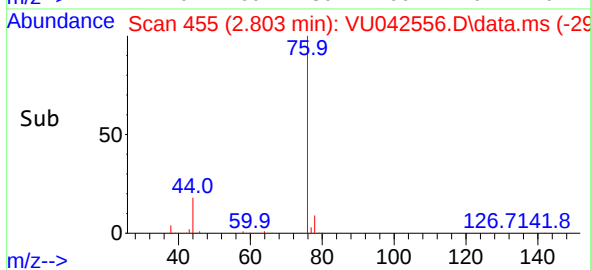
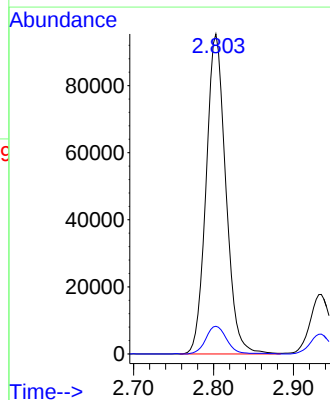
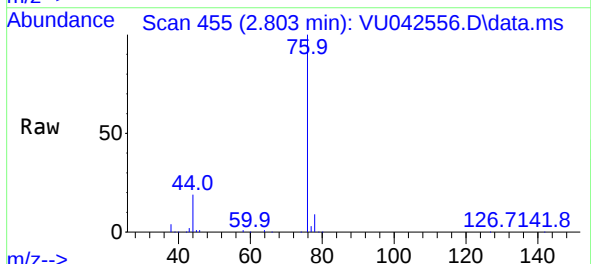
Manual Integrations  
APPROVED

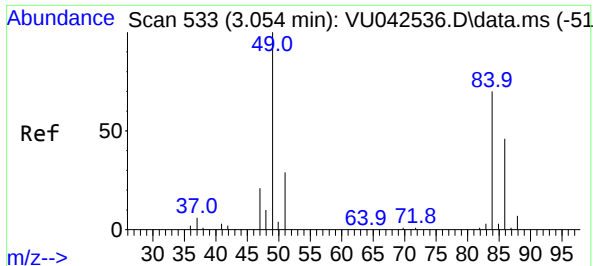
MMDadoda  
3/12/2021 5:15:10 PM



#14  
Carbon Disulfide  
Concen: 9.44 ug/l  
RT: 2.803 min Scan# 455  
Delta R.T. 0.003 min  
Lab File: VU042556.D  
Acq: 11 Mar 2021 09:47

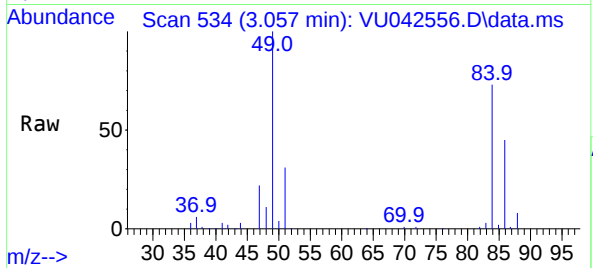
Tgt Ion: 76 Resp: 163366  
Ion Ratio Lower Upper  
76 100  
78 8.6 7.4 11.2





#15  
Methylene Chloride  
Concen: 9.28 ug/l  
RT: 3.057 min Scan# 534  
Delta R.T. 0.003 min  
Lab File: VU042556.D  
Acq: 11 Mar 2021 09:47

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD01002

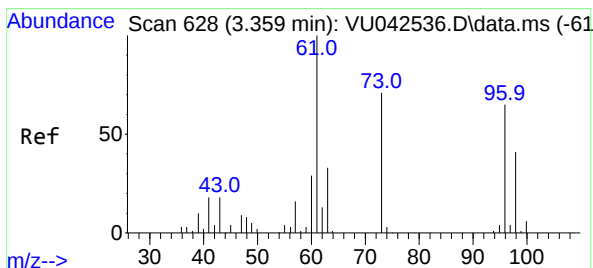
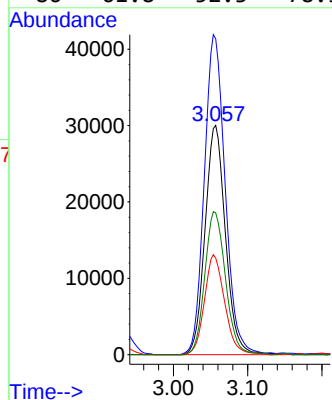


Tgt Ion: 84 Resp: 57417

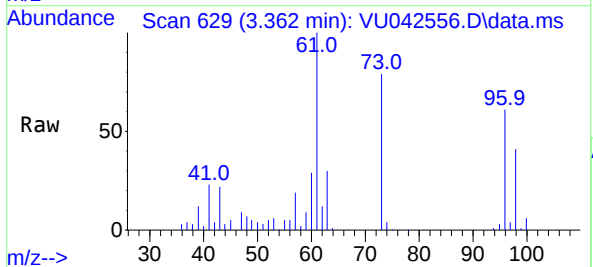
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 137.7 | 114.6 | 172.0 |
| 51  | 42.1  | 0.0   | 83.0  |
| 86  | 61.8  | 52.3  | 78.5  |

Manual Integrations  
APPROVED

MMDadoda  
3/12/2021 5:15:10 PM

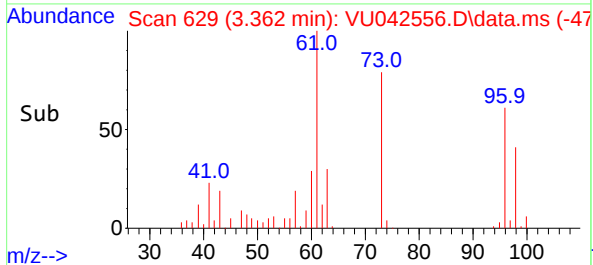
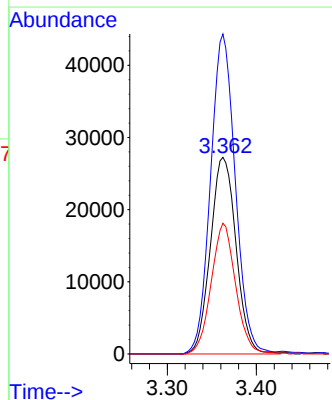


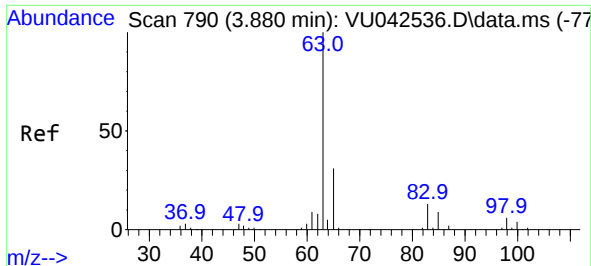
#16  
trans-1,2-Dichloroethene  
Concen: 9.59 ug/l  
RT: 3.362 min Scan# 629  
Delta R.T. 0.003 min  
Lab File: VU042556.D  
Acq: 11 Mar 2021 09:47



Tgt Ion: 96 Resp: 54555

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 162.8 | 123.8 | 185.8 |
| 98  | 66.5  | 50.4  | 75.6  |





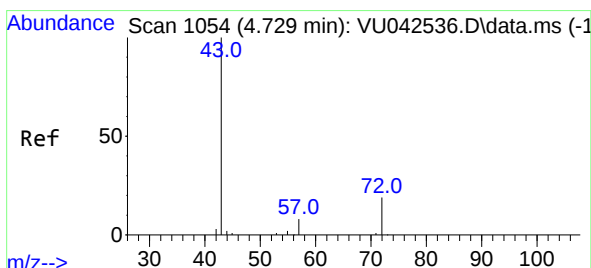
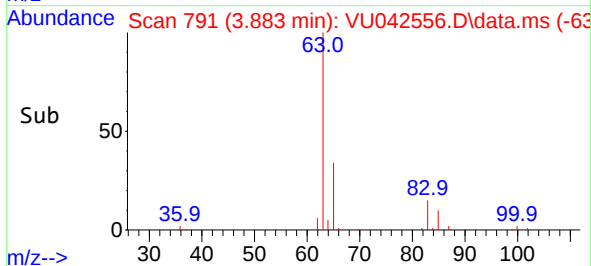
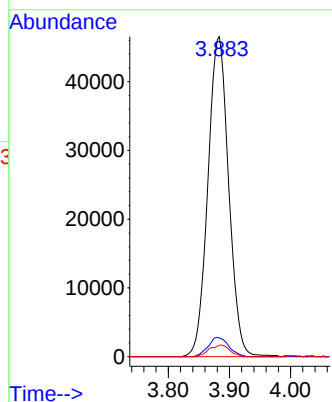
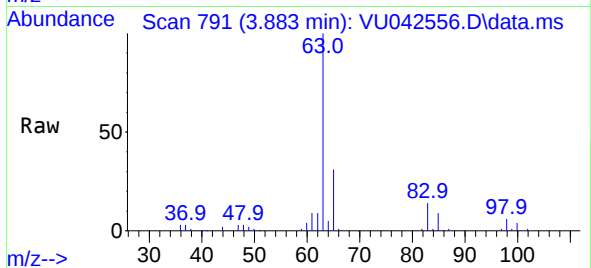
#17  
1,1-Dichloroethane  
Concen: 9.66 ug/l  
RT: 3.883 min Scan# 791  
Delta R.T. 0.003 min  
Lab File: VU042556.D  
Acq: 11 Mar 2021 09:47

Tgt Ion: 63 Resp: 109772  
Ion Ratio Lower Upper  
63 100  
98 5.9 2.9 8.6  
100 3.6 1.8 5.4

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD01002

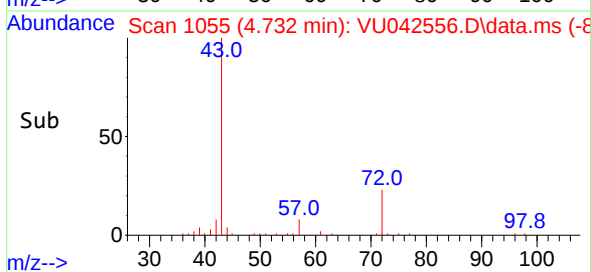
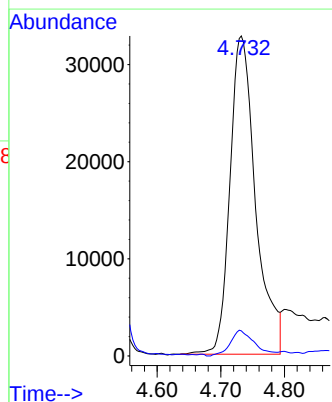
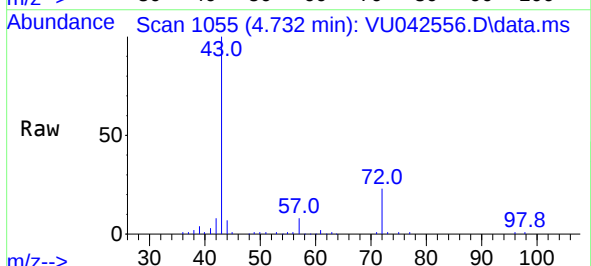
Manual Integrations  
APPROVED

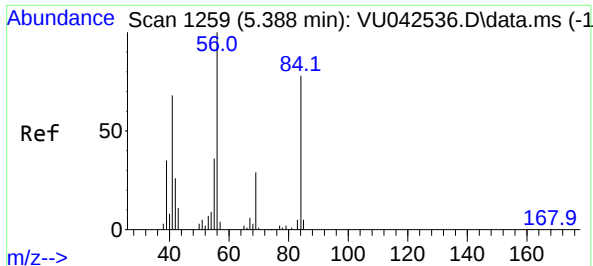
MMDadoda  
3/12/2021 5:15:10 PM



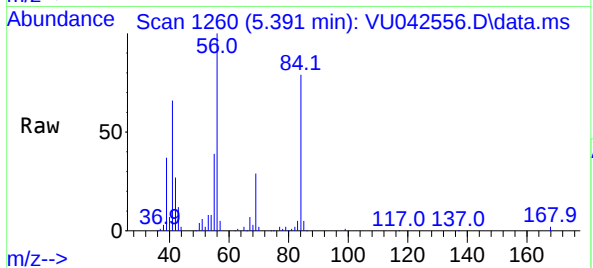
#18  
2-Butanone  
Concen: 54.02 ug/l  
RT: 4.732 min Scan# 1055  
Delta R.T. 0.003 min  
Lab File: VU042556.D  
Acq: 11 Mar 2021 09:47

Tgt Ion: 43 Resp: 92218  
Ion Ratio Lower Upper  
43 100  
57 7.4 0.0 15.8



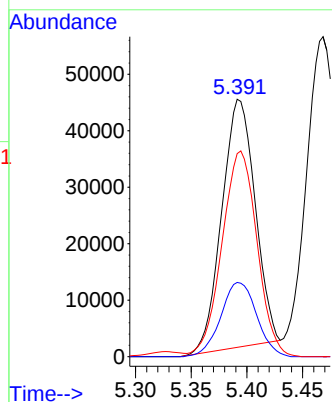


#19  
Cyclohexane  
Concen: 8.75 ug/l  
RT: 5.391 min Scan# 1260  
Delta R.T. 0.003 min  
Lab File: VU042556.D  
Acq: 11 Mar 2021 09:47



Tgt Ion: 56 Resp: 91268

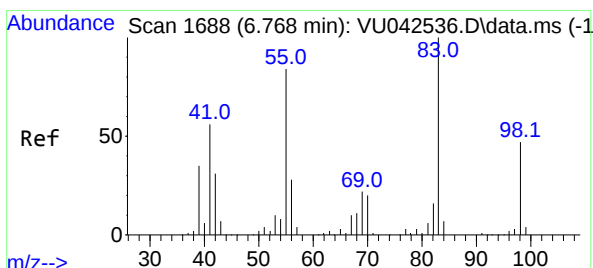
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 56  | 100   |       |       |
| 69  | 32.4  | 23.8  | 35.6  |
| 84  | 85.6  | 62.7  | 94.1  |



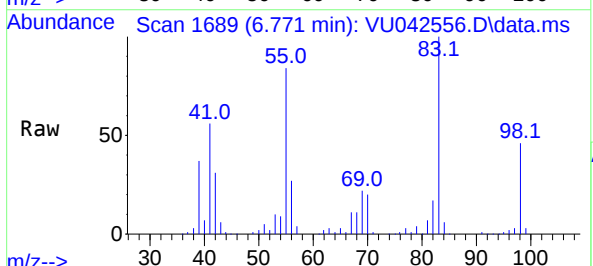
Instrument :  
MSVOA\_U  
ClientSampled :  
VSTD01002

Manual Integrations  
APPROVED

MMDadoda  
3/12/2021 5:15:10 PM

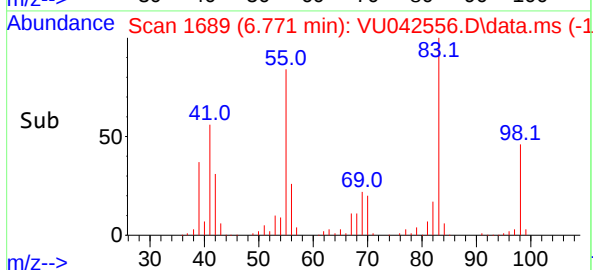
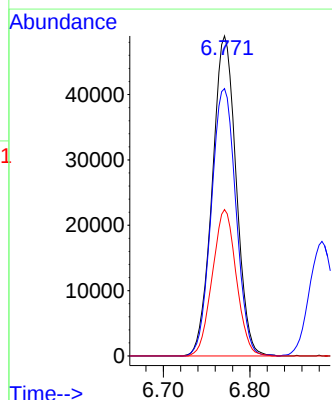


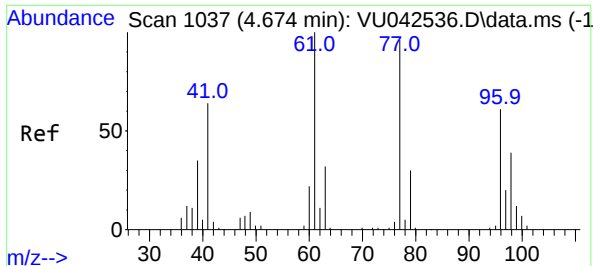
#20  
Methylcyclohexane  
Concen: 10.16 ug/l  
RT: 6.771 min Scan# 1689  
Delta R.T. 0.003 min  
Lab File: VU042556.D  
Acq: 11 Mar 2021 09:47



Tgt Ion: 83 Resp: 93942

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 85.9  | 67.5  | 101.3 |
| 98  | 45.9  | 37.6  | 56.4  |





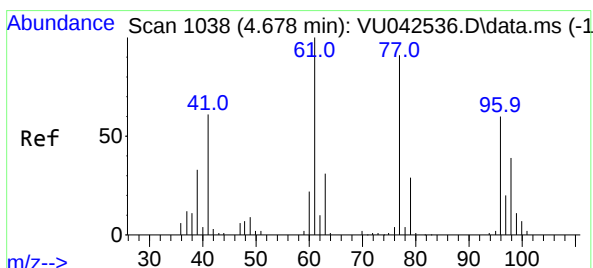
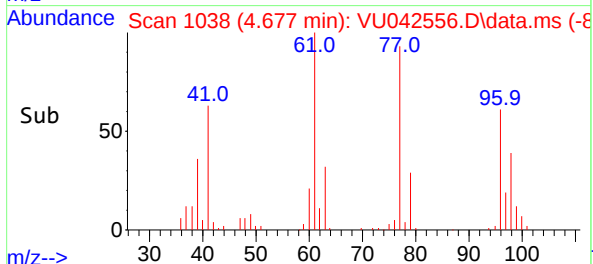
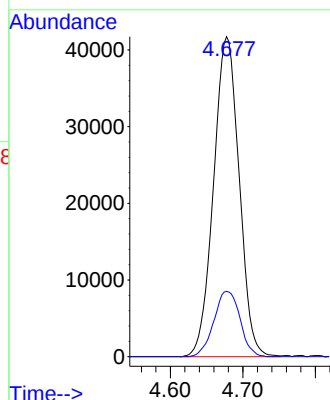
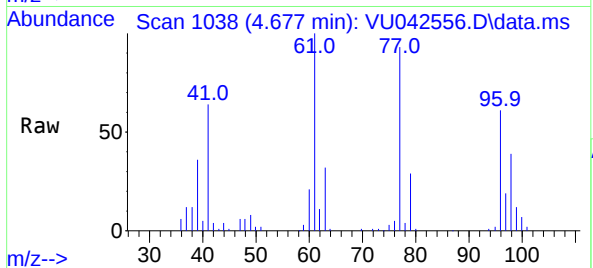
#21  
2,2-Dichloropropane  
Concen: 9.54 ug/l  
RT: 4.677 min Scan# 1038  
Delta R.T. 0.003 min  
Lab File: VU042556.D  
Acq: 11 Mar 2021 09:47

Tgt Ion: 77 Resp: 102246  
Ion Ratio Lower Upper  
77 100  
97 20.9 17.1 25.7

Instrument :  
MSVOA\_U  
ClientSampled :  
VSTD01002

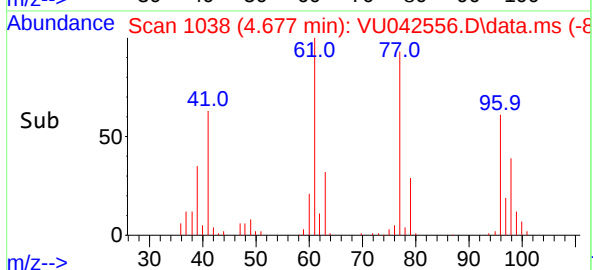
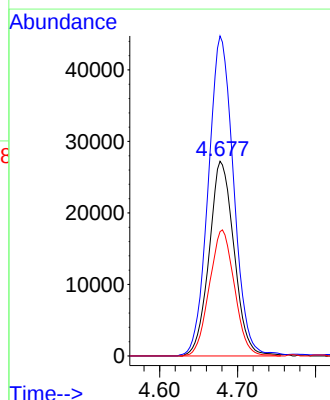
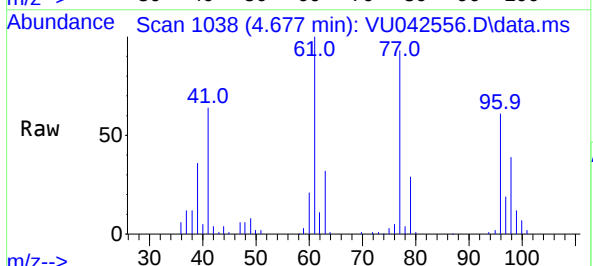
Manual Integrations  
APPROVED

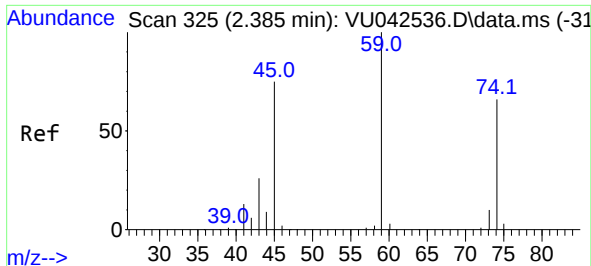
MMDadoda  
3/12/2021 5:15:10 PM



#22  
cis-1,2-Dichloroethene  
Concen: 9.79 ug/l  
RT: 4.677 min Scan# 1038  
Delta R.T. -0.000 min  
Lab File: VU042556.D  
Acq: 11 Mar 2021 09:47

Tgt Ion: 96 Resp: 60617  
Ion Ratio Lower Upper  
96 100  
61 166.9 0.0 422.0  
98 65.1 33.1 99.5





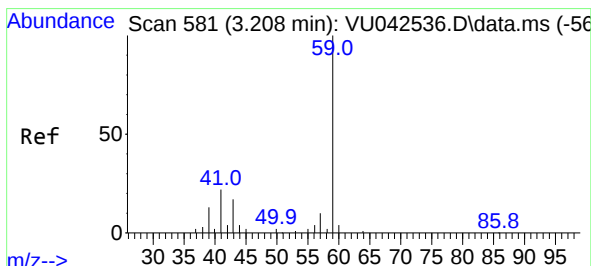
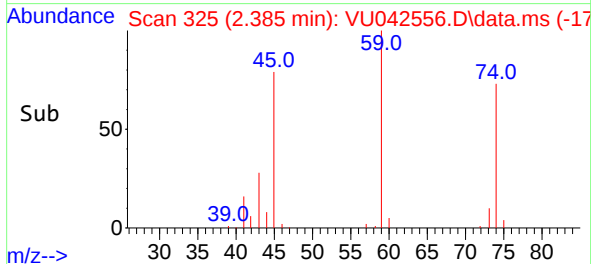
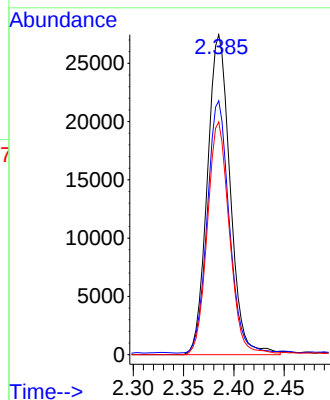
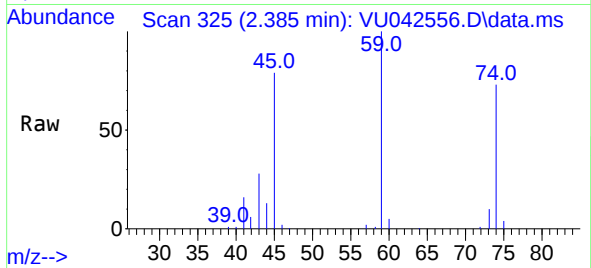
#23  
Diethyl Ether  
Concen: 9.76 ug/l  
RT: 2.385 min Scan# 325  
Delta R.T. -0.000 min  
Lab File: VU042556.D  
Acq: 11 Mar 2021 09:47

Tgt Ion: 59 Resp: 43279  
Ion Ratio Lower Upper  
59 100  
45 76.1 63.3 94.9  
74 70.4 54.6 82.0

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD01002

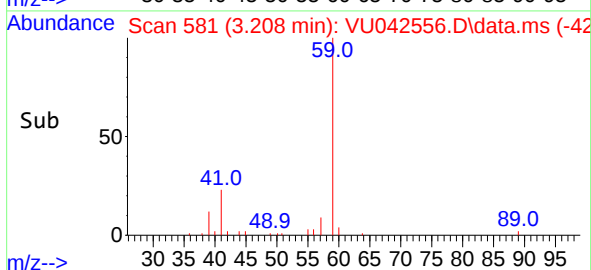
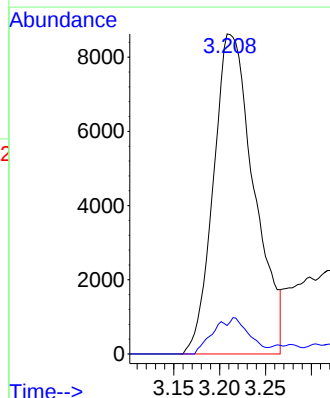
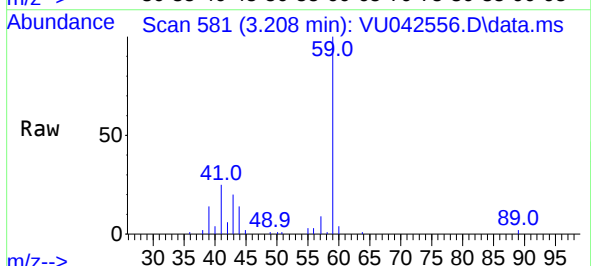
Manual Integrations  
APPROVED

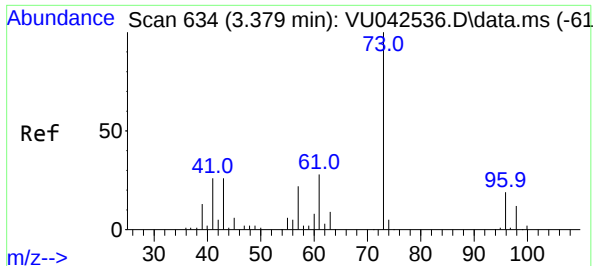
MMDadoda  
3/12/2021 5:15:10 PM



#24  
tert-Butyl Alcohol  
Concen: 109.33 ug/l  
RT: 3.208 min Scan# 581  
Delta R.T. -0.000 min  
Lab File: VU042556.D  
Acq: 11 Mar 2021 09:47

Tgt Ion: 59 Resp: 26536  
Ion Ratio Lower Upper  
59 100  
57 4.3 4.8 7.2#





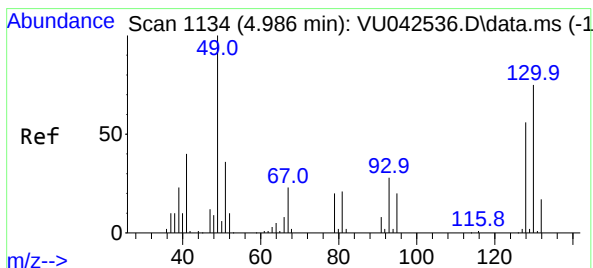
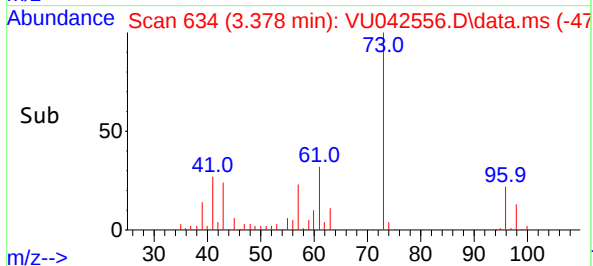
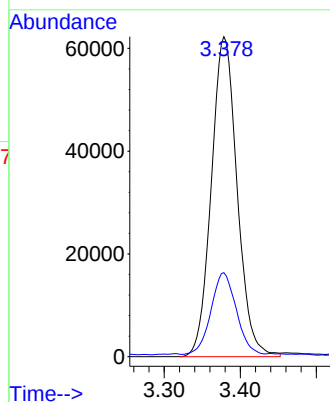
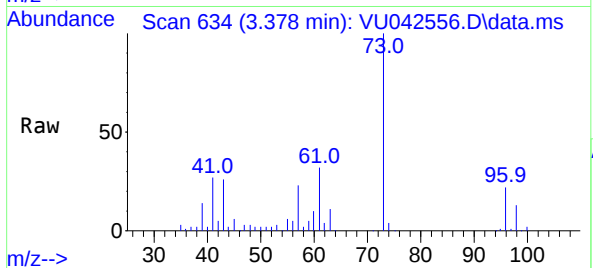
#25  
Methyl tert-Butyl Ether  
Concen: 9.83 ug/l  
RT: 3.378 min Scan# 634  
Delta R.T. -0.001 min  
Lab File: VU042556.D  
Acq: 11 Mar 2021 09:47

Tgt Ion: 73 Resp: 146805  
Ion Ratio Lower Upper  
73 100  
43 24.9 20.5 30.7

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD01002

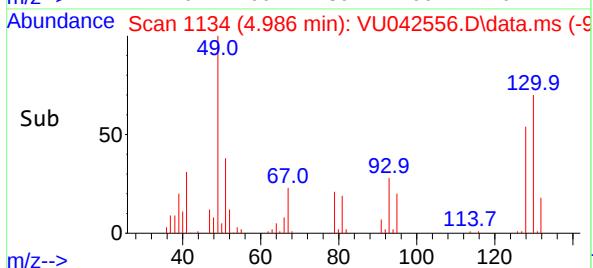
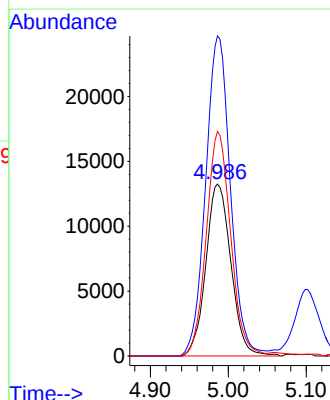
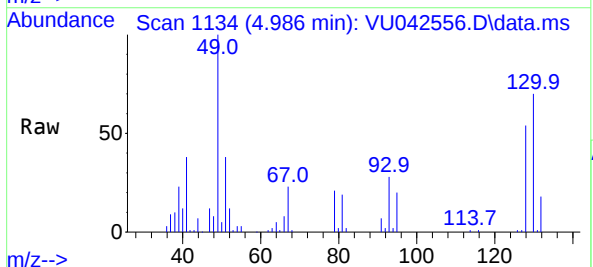
Manual Integrations  
APPROVED

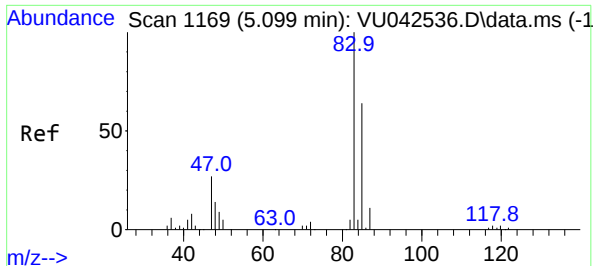
MMDadoda  
3/12/2021 5:15:10 PM



#26  
Bromochloromethane  
Concen: 9.80 ug/l  
RT: 4.986 min Scan# 1134  
Delta R.T. -0.000 min  
Lab File: VU042556.D  
Acq: 11 Mar 2021 09:47

Tgt Ion: 128 Resp: 29633  
Ion Ratio Lower Upper  
128 100  
49 183.7 0.0 364.4  
130 126.7 105.0 157.4





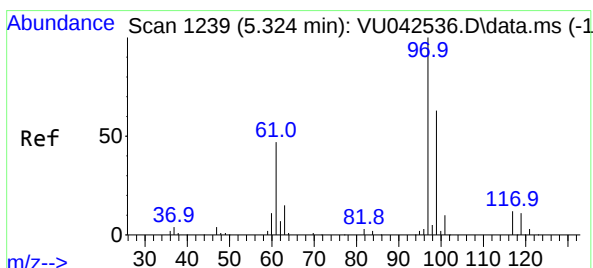
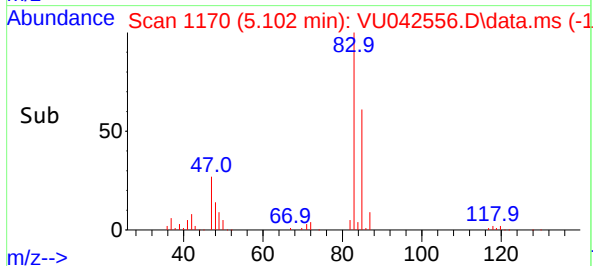
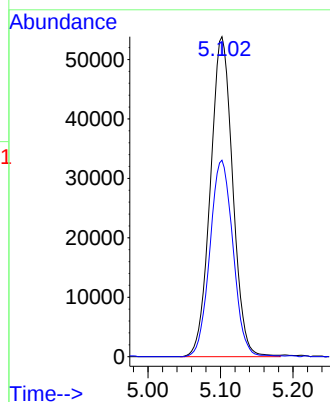
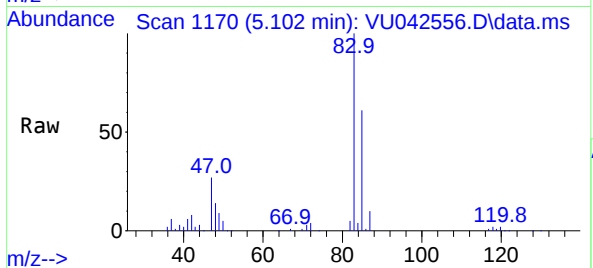
#27  
Chloroform  
Concen: 9.85 ug/l  
RT: 5.102 min Scan# 1170  
Delta R.T. 0.003 min  
Lab File: VU042556.D  
Acq: 11 Mar 2021 09:47

Tgt Ion: 83 Resp: 115239  
Ion Ratio Lower Upper  
83 100  
85 61.4 0.0 128.4

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD01002

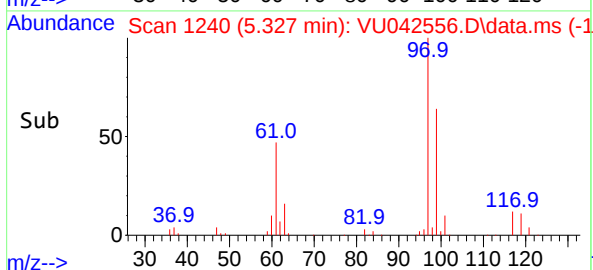
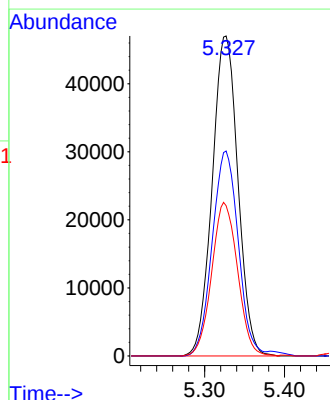
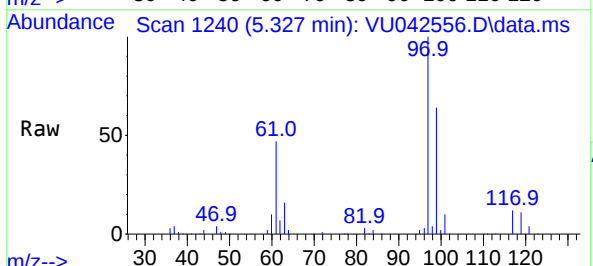
Manual Integrations  
APPROVED

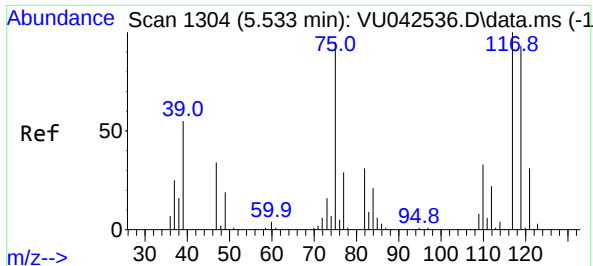
MMDadoda  
3/12/2021 5:15:10 PM



#28  
1,1,1-Trichloroethane  
Concen: 9.73 ug/l  
RT: 5.327 min Scan# 1240  
Delta R.T. 0.003 min  
Lab File: VU042556.D  
Acq: 11 Mar 2021 09:47

Tgt Ion: 97 Resp: 104988  
Ion Ratio Lower Upper  
97 100  
99 64.7 31.7 95.1  
61 48.3 23.8 71.2





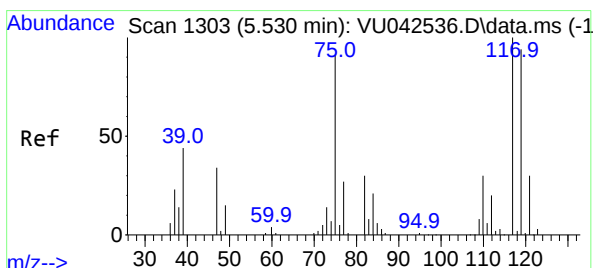
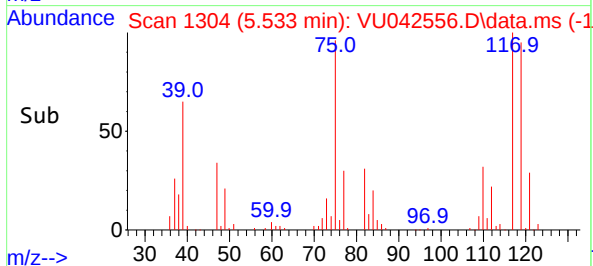
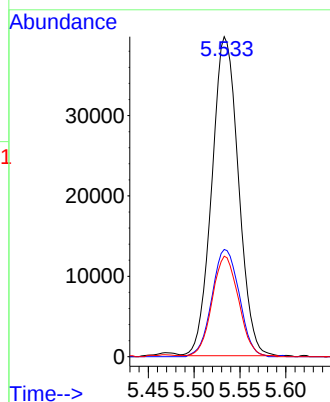
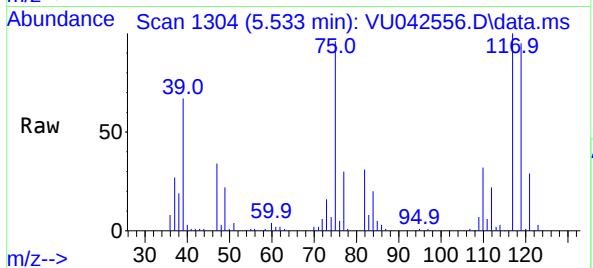
#29  
1,1-Dichloropropene  
Concen: 10.01 ug/l  
RT: 5.533 min Scan# 1304  
Delta R.T. -0.000 min  
Lab File: VU042556.D  
Acq: 11 Mar 2021 09:47

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 80044 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 34.6  | 17.3  | 52.0  |
| 77       | 31.5  | 25.0  | 37.6  |

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD01002

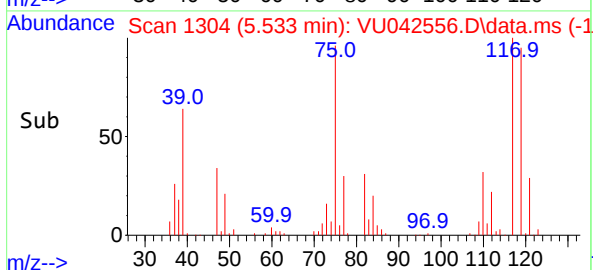
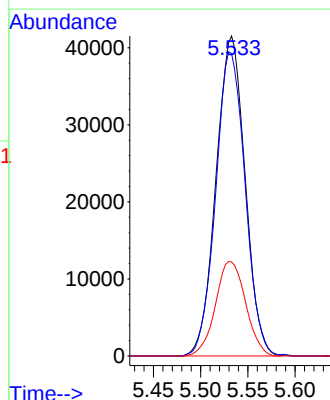
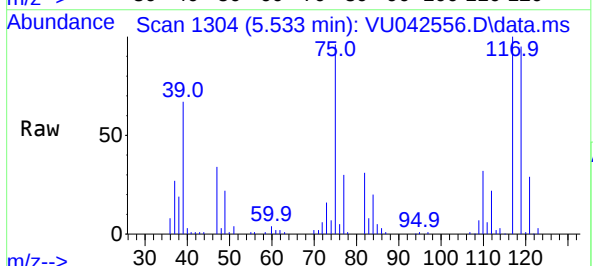
Manual Integrations  
APPROVED

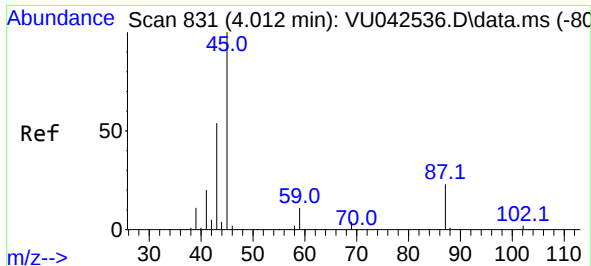
MMDadoda  
3/12/2021 5:15:10 PM



#30  
Carbon Tetrachloride  
Concen: 9.76 ug/l  
RT: 5.533 min Scan# 1304  
Delta R.T. 0.003 min  
Lab File: VU042556.D  
Acq: 11 Mar 2021 09:47

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 88689 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 94.6  | 75.0  | 112.6 |
| 121      | 29.4  | 24.2  | 36.4  |





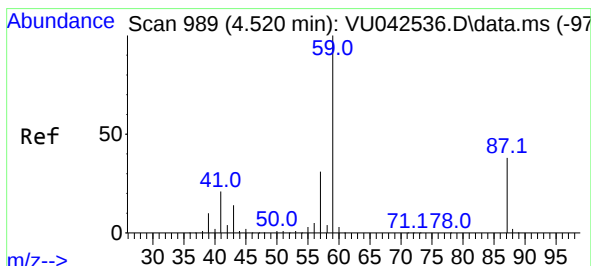
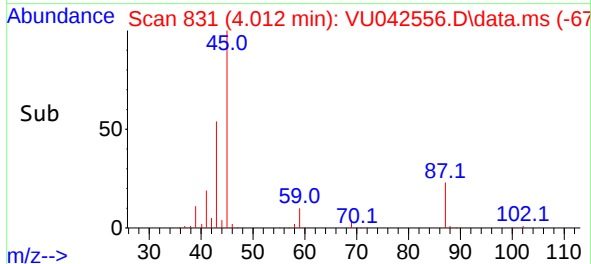
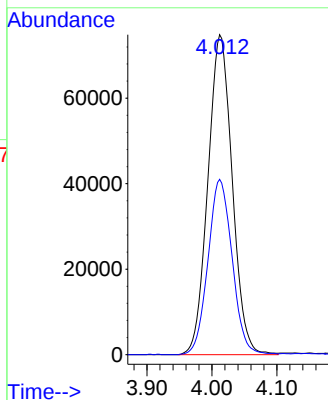
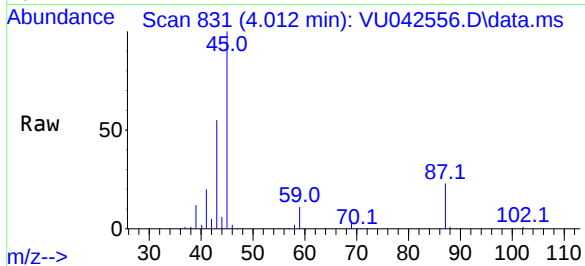
#31  
Isopropyl Ether  
Concen: 9.74 ug/l  
RT: 4.012 min Scan# 831  
Delta R.T. -0.000 min  
Lab File: VU042556.D  
Acq: 11 Mar 2021 09:47

Tgt Ion: 45 Resp: 194687  
Ion Ratio Lower Upper  
45 100  
43 54.5 27.0 81.0

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD01002

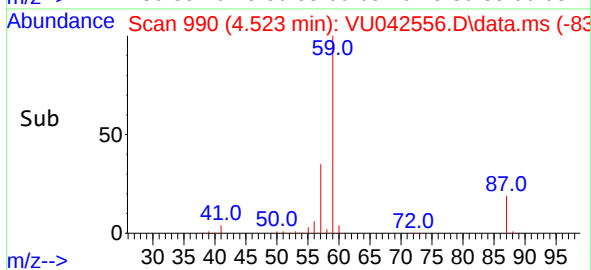
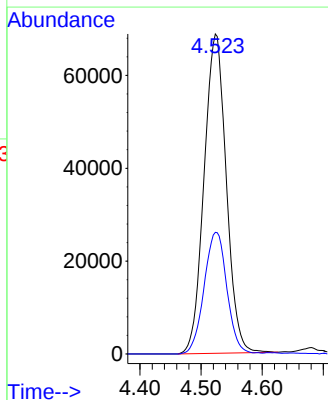
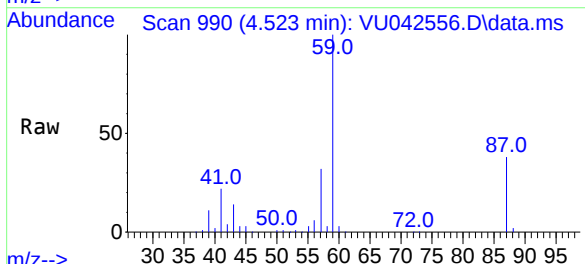
Manual Integrations  
APPROVED

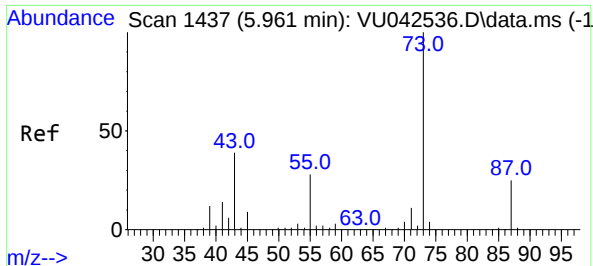
MMDadoda  
3/12/2021 5:15:10 PM



#32  
Ethyl-t-butyl ether  
Concen: 9.79 ug/l  
RT: 4.523 min Scan# 990  
Delta R.T. 0.003 min  
Lab File: VU042556.D  
Acq: 11 Mar 2021 09:47

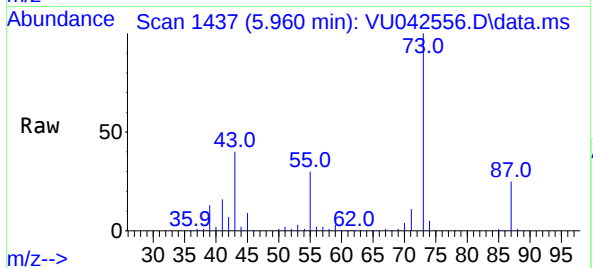
Tgt Ion: 59 Resp: 173638  
Ion Ratio Lower Upper  
59 100  
87 38.6 30.9 46.3





#33  
Tert-Amyl methyl ether  
Concen: 10.10 ug/l  
RT: 5.960 min Scan# 1437  
Delta R.T. -0.000 min  
Lab File: VU042556.D  
Acq: 11 Mar 2021 09:47

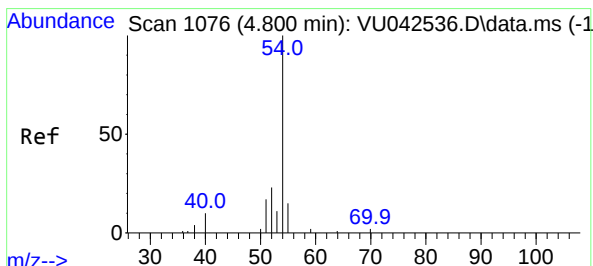
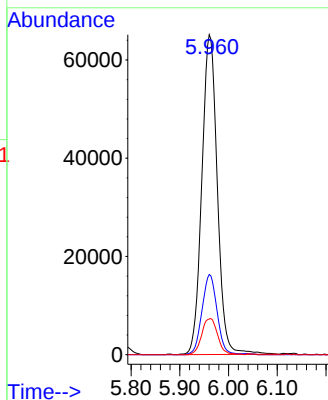
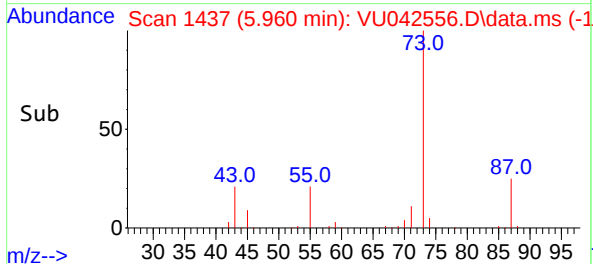
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD01002



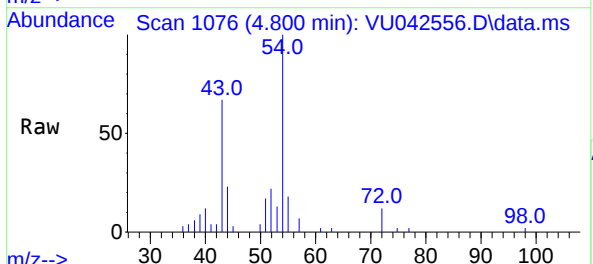
Tgt Ion: 73 Resp: 143787  
Ion Ratio Lower Upper  
73 100  
87 23.9 19.8 29.6  
71 11.6 9.0 13.4

Manual Integrations  
APPROVED

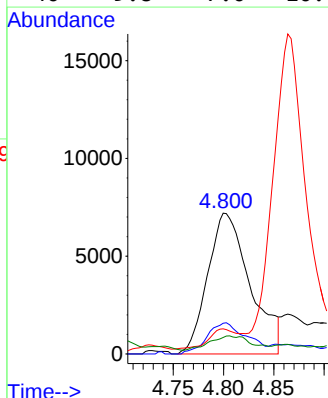
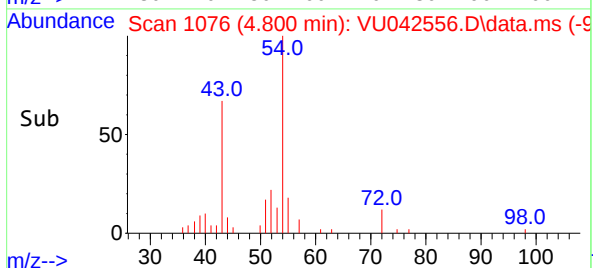
MMDadoda  
3/12/2021 5:15:10 PM

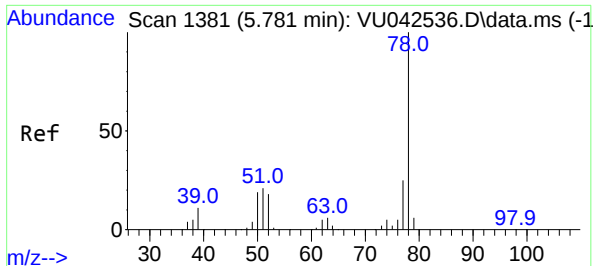


#34  
Propionitrile  
Concen: 57.60 ug/l  
RT: 4.800 min Scan# 1076  
Delta R.T. -0.000 min  
Lab File: VU042556.D  
Acq: 11 Mar 2021 09:47



Tgt Ion: 54 Resp: 21112  
Ion Ratio Lower Upper  
54 100  
52 20.5 16.8 25.2  
55 7.3 9.0 13.4#  
40 9.8 7.0 10.4





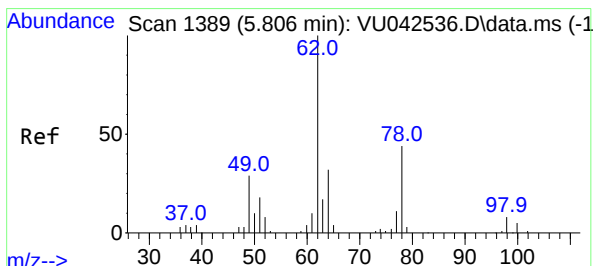
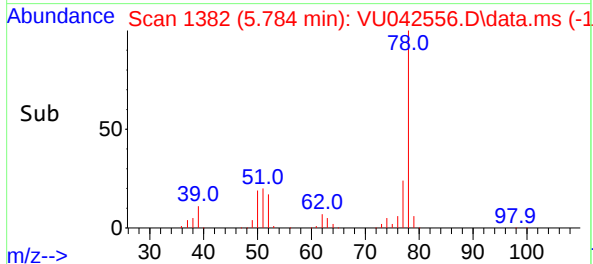
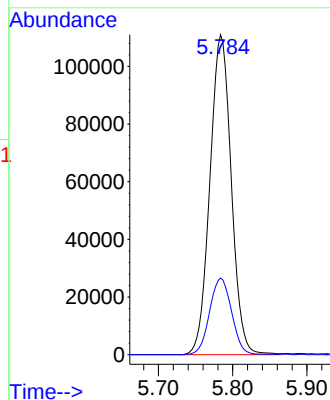
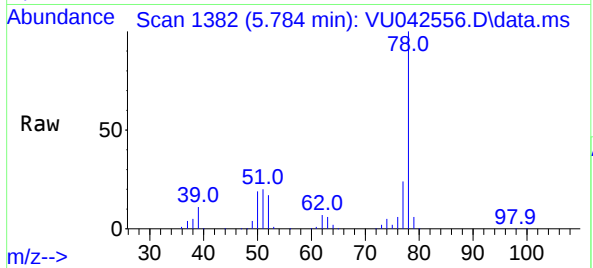
#35  
Benzene  
Concen: 9.91 ug/l  
RT: 5.784 min Scan# 1382  
Delta R.T. 0.003 min  
Lab File: VU042556.D  
Acq: 11 Mar 2021 09:47

Tgt Ion: 78 Resp: 221659  
Ion Ratio Lower Upper  
78 100  
77 24.0 20.2 30.2

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD01002

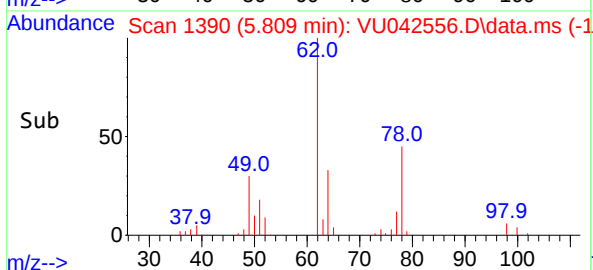
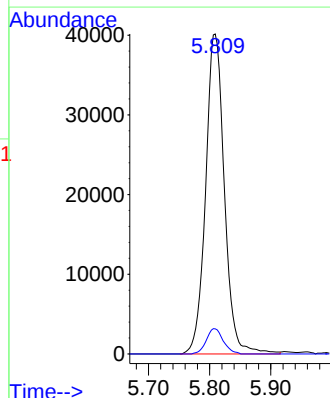
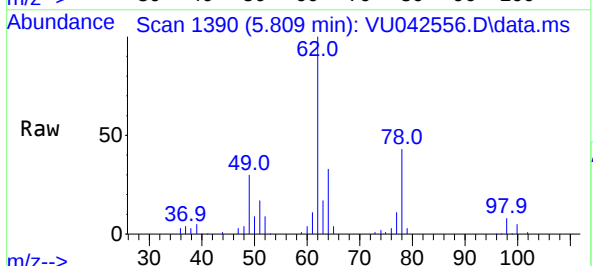
Manual Integrations  
APPROVED

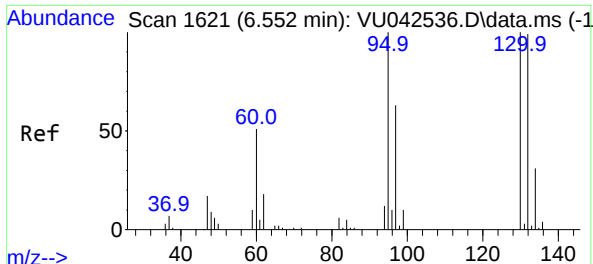
MMDadoda  
3/12/2021 5:15:10 PM



#36  
1,2-Dichloroethane  
Concen: 10.00 ug/l  
RT: 5.809 min Scan# 1390  
Delta R.T. 0.003 min  
Lab File: VU042556.D  
Acq: 11 Mar 2021 09:47

Tgt Ion: 62 Resp: 85767  
Ion Ratio Lower Upper  
62 100  
98 7.2 5.5 8.3





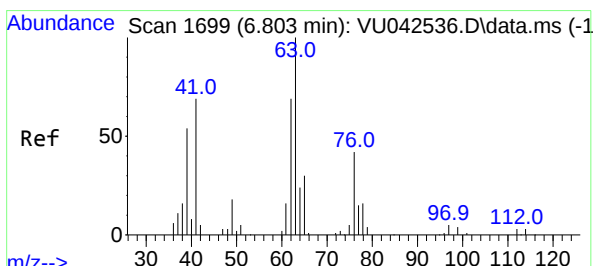
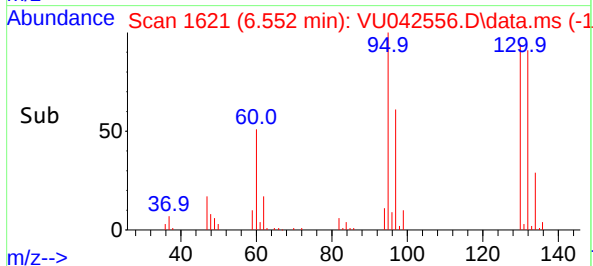
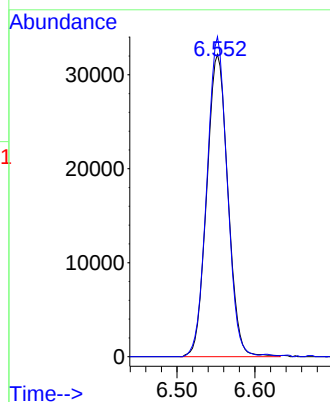
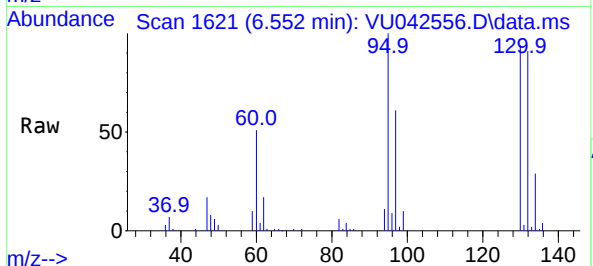
#37  
Trichloroethene  
Concen: 9.51 ug/l  
RT: 6.552 min Scan# 1621  
Delta R.T. -0.000 min  
Lab File: VU042556.D  
Acq: 11 Mar 2021 09:47

Tgt Ion:130 Resp: 60651  
Ion Ratio Lower Upper  
130 100  
95 105.9 80.2 120.2

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD01002

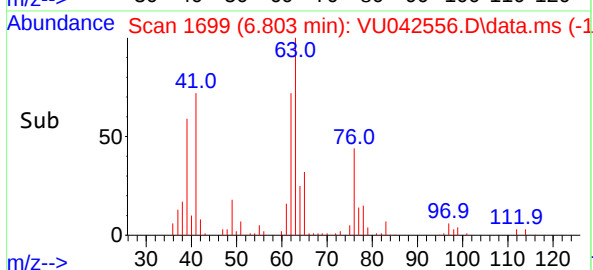
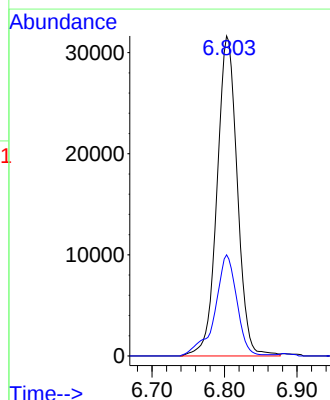
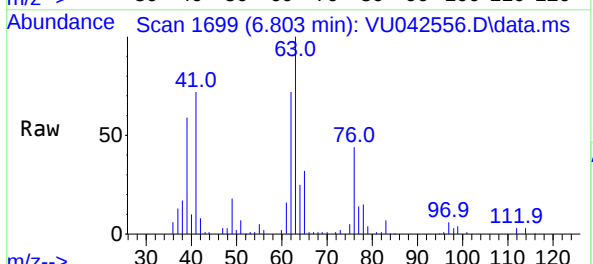
Manual Integrations  
APPROVED

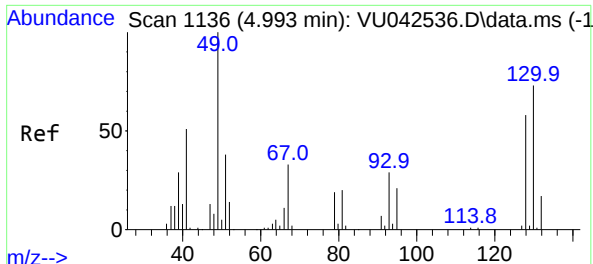
MMDadoda  
3/12/2021 5:15:10 PM



#38  
1,2-Dichloropropane  
Concen: 9.85 ug/l  
RT: 6.803 min Scan# 1699  
Delta R.T. -0.000 min  
Lab File: VU042556.D  
Acq: 11 Mar 2021 09:47

Tgt Ion: 63 Resp: 61421  
Ion Ratio Lower Upper  
63 100  
65 31.6 24.5 36.7





#39  
Methacrylonitrile  
Concen: 10.17 ug/l  
RT: 4.993 min Scan# 1136  
Delta R.T. -0.000 min  
Lab File: VU042556.D  
Acq: 11 Mar 2021 09:47

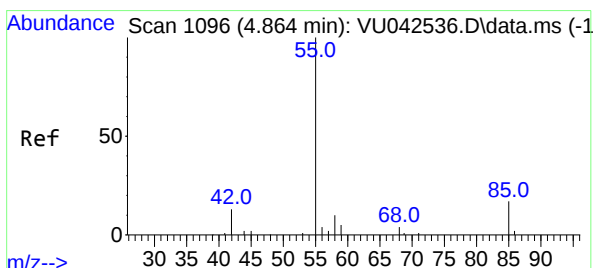
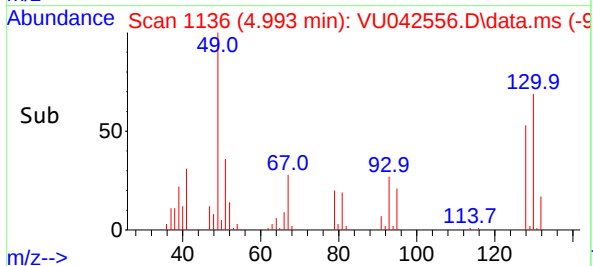
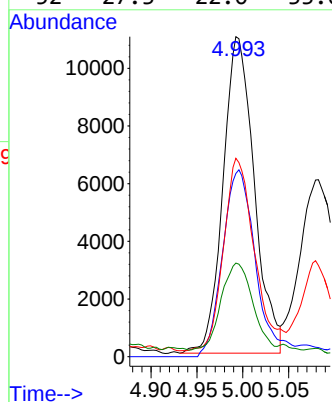
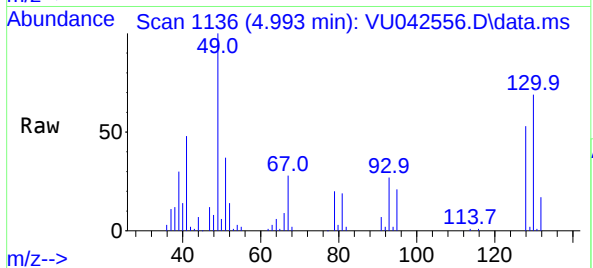
Tgt Ion: 41 Resp: 26021

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 67  | 62.3  | 48.2  | 72.2  |
| 39  | 60.2  | 45.5  | 68.3  |
| 52  | 27.3  | 22.0  | 33.0  |

Instrument :  
MSVOA\_U  
ClientSampled :  
VSTD01002

Manual Integrations  
APPROVED

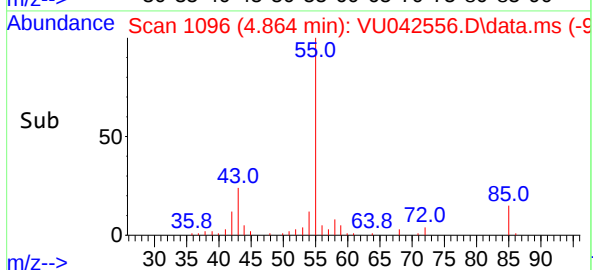
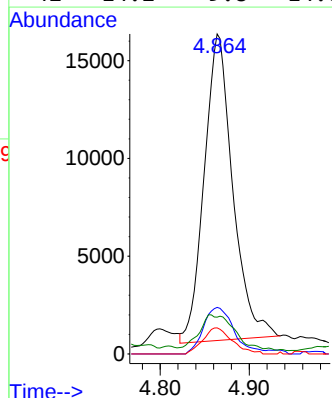
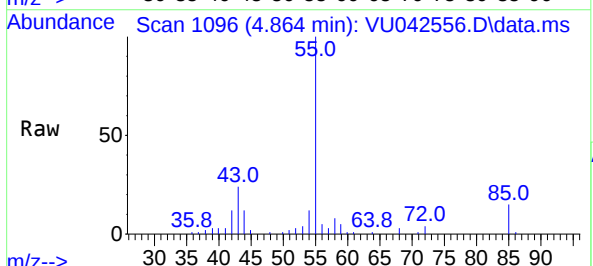
MMDadoda  
3/12/2021 5:15:10 PM

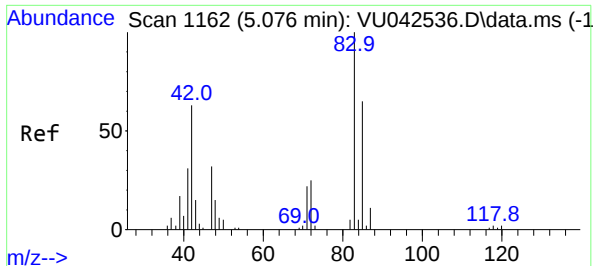


#40  
Methyl acrylate  
Concen: 9.79 ug/l  
RT: 4.864 min Scan# 1096  
Delta R.T. -0.000 min  
Lab File: VU042556.D  
Acq: 11 Mar 2021 09:47

Tgt Ion: 55 Resp: 34864

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 55  | 100   |       |       |
| 85  | 16.3  | 11.9  | 17.9  |
| 58  | 8.7   | 6.7   | 10.1  |
| 42  | 14.2  | 9.8   | 14.6  |





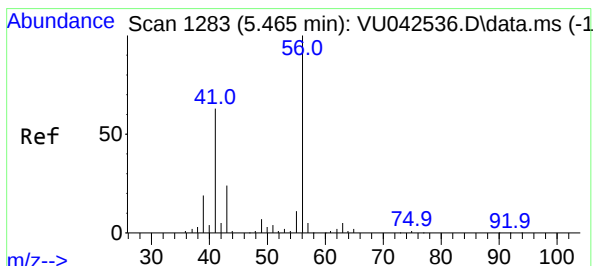
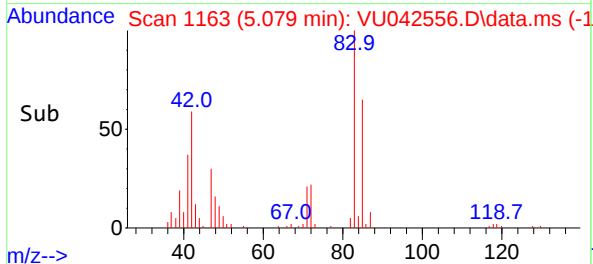
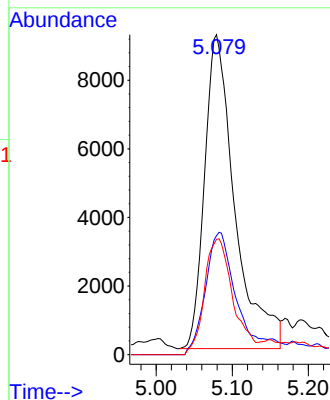
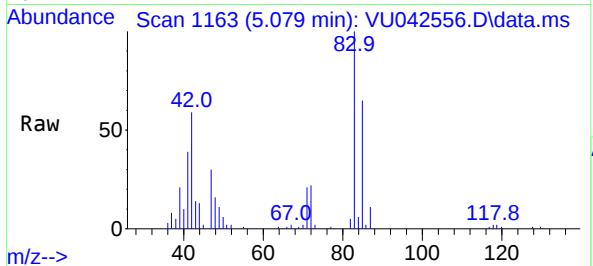
#41  
Tetrahydrofuran  
Concen: 21.20 ug/l  
RT: 5.079 min Scan# 1163  
Delta R.T. 0.003 min  
Lab File: VU042556.D  
Acq: 11 Mar 2021 09:47

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 42    | Resp: | 25336 |
| Ion Ratio | Lower | Upper |       |
| 42        | 100   |       |       |
| 72        | 39.4  | 35.2  | 52.8  |
| 71        | 35.0  | 28.6  | 42.8  |

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD01002

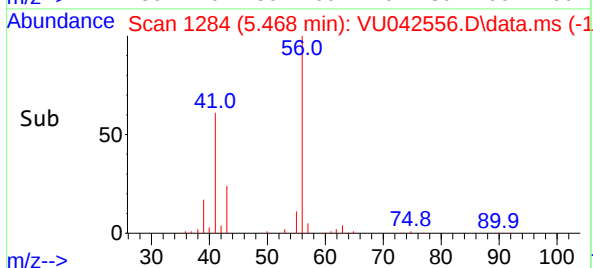
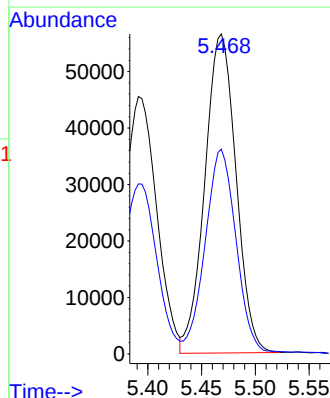
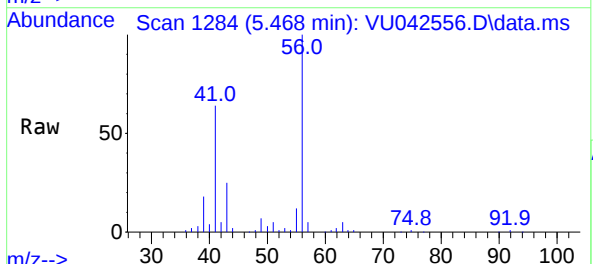
Manual Integrations  
APPROVED

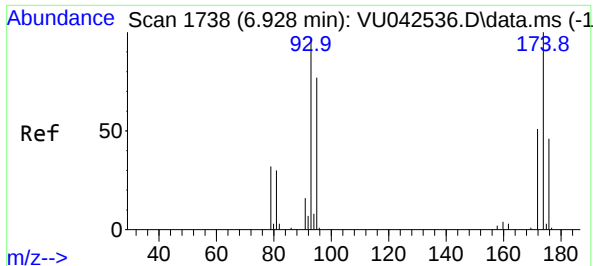
MMDadoda  
3/12/2021 5:15:10 PM



#42  
1-Chlorobutane  
Concen: 9.58 ug/l  
RT: 5.468 min Scan# 1284  
Delta R.T. 0.003 min  
Lab File: VU042556.D  
Acq: 11 Mar 2021 09:47

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 56    | Resp: | 114011 |
| Ion Ratio | Lower | Upper |        |
| 56        | 100   |       |        |
| 41        | 63.8  | 31.1  | 93.3   |





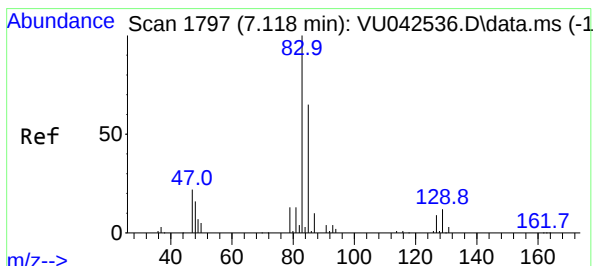
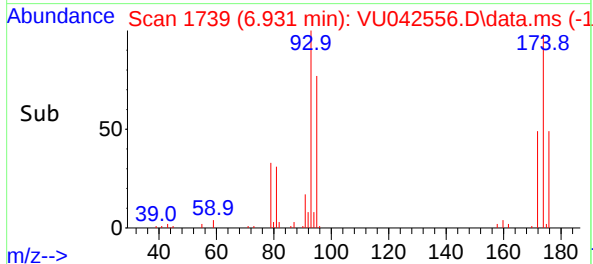
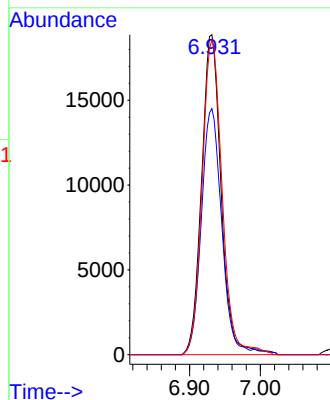
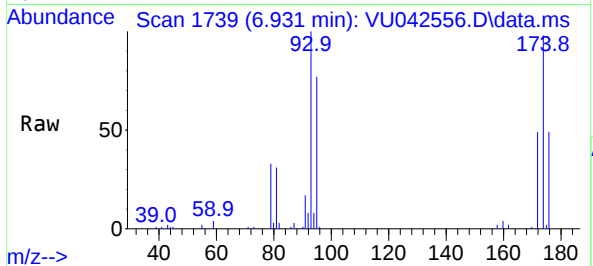
#43  
Dibromomethane  
Concen: 10.26 ug/l  
RT: 6.931 min Scan# 1739  
Delta R.T. 0.003 min  
Lab File: VU042556.D  
Acq: 11 Mar 2021 09:47

Tgt Ion: 93 Resp: 36266  
Ion Ratio Lower Upper  
93 100  
95 79.3 65.1 97.7  
174 100.4 83.6 125.4

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD01002

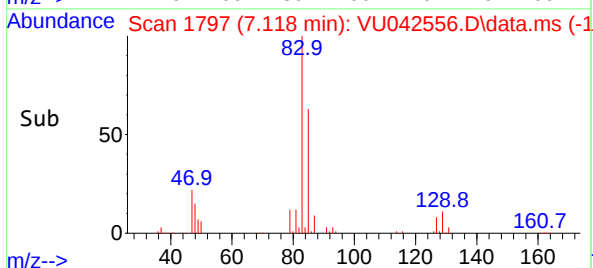
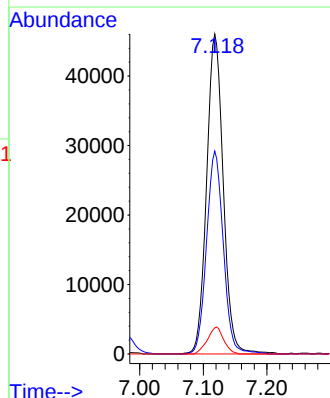
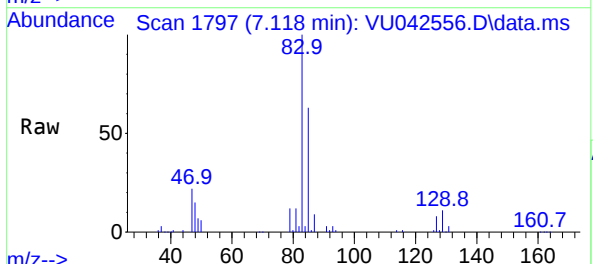
Manual Integrations  
APPROVED

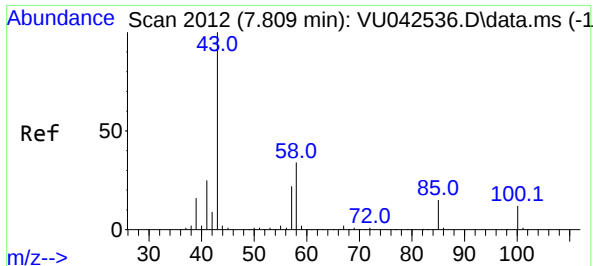
MMDadoda  
3/12/2021 5:15:10 PM



#44  
Bromodichloromethane  
Concen: 10.17 ug/l  
RT: 7.118 min Scan# 1797  
Delta R.T. -0.000 min  
Lab File: VU042556.D  
Acq: 11 Mar 2021 09:47

Tgt Ion: 83 Resp: 83643  
Ion Ratio Lower Upper  
83 100  
85 63.4 51.8 77.8  
127 8.1 7.4 11.0





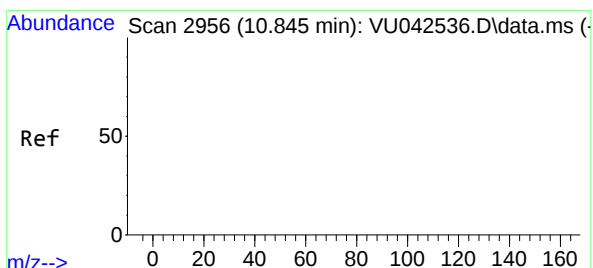
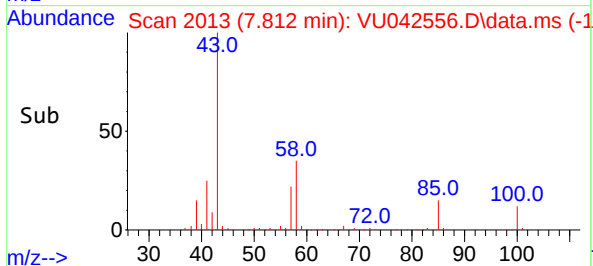
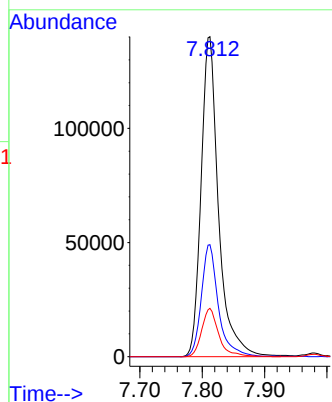
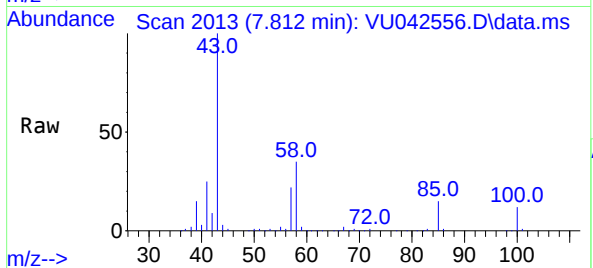
#45  
4-Methyl-2-Pentanone  
Concen: 52.68 ug/l  
RT: 7.812 min Scan# 2013  
Delta R.T. 0.003 min  
Lab File: VU042556.D  
Acq: 11 Mar 2021 09:47

Tgt Ion: 43 Resp: 272540  
Ion Ratio Lower Upper  
43 100  
58 34.3 16.9 50.6  
85 14.7 12.0 18.0

Instrument :  
MSVOA\_U  
ClientSampled :  
VSTD01002

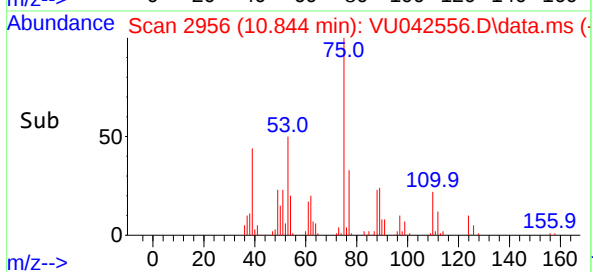
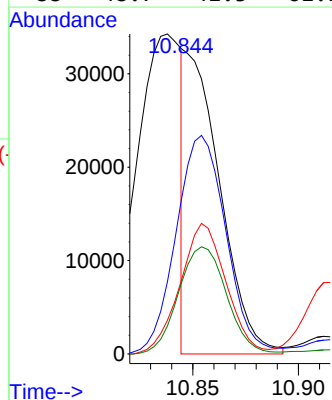
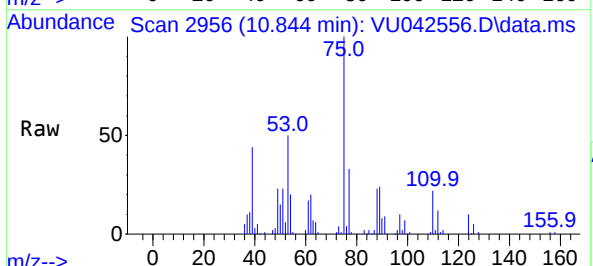
Manual Integrations  
APPROVED

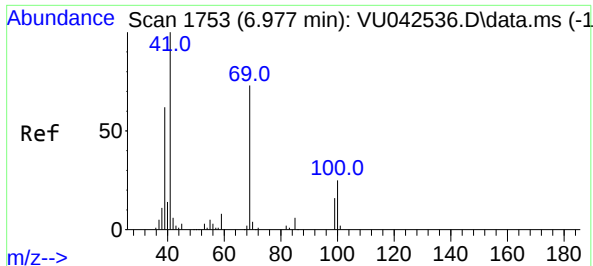
MMDadoda  
3/12/2021 5:15:10 PM



#46  
t-1,4-Dichloro-2-butene  
Concen: 17.96 ug/l m  
RT: 10.844 min Scan# 2956  
Delta R.T. -0.001 min  
Lab File: VU042556.D  
Acq: 11 Mar 2021 09:47

Tgt Ion: 75 Resp: 37216  
Ion Ratio Lower Upper  
75 100  
53 103.5 84.6 126.8  
89 56.9 48.1 72.1  
88 48.7 41.3 61.9





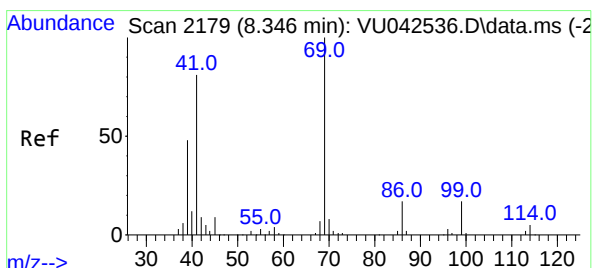
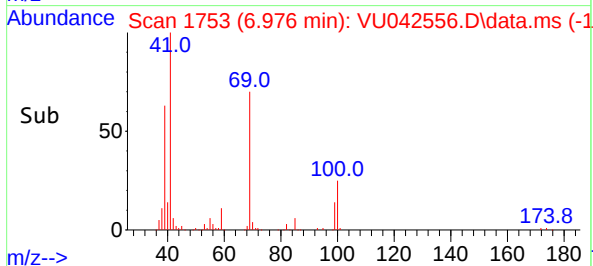
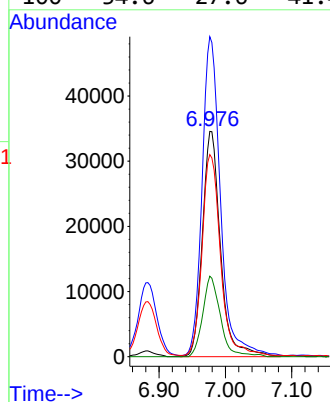
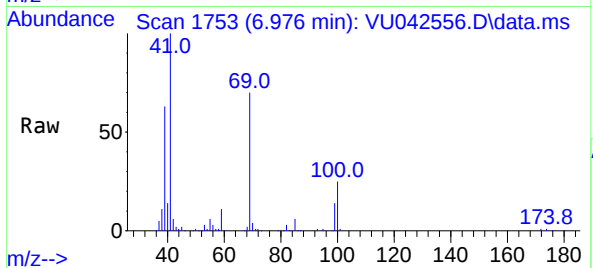
#47  
Methyl methacrylate  
Concen: 20.52 ug/l  
RT: 6.976 min Scan# 1753  
Delta R.T. -0.001 min  
Lab File: VU042556.D  
Acq: 11 Mar 2021 09:47

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 65606 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 143.1 | 0.0   | 274.0 |
| 39       | 90.7  | 69.2  | 103.8 |
| 100      | 34.6  | 27.6  | 41.4  |

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD01002

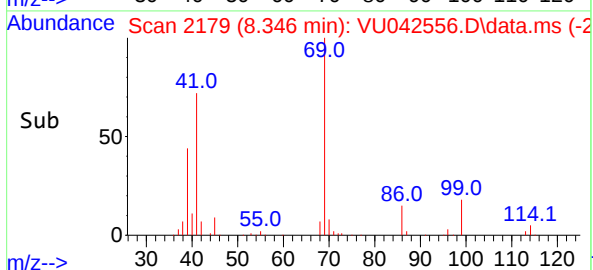
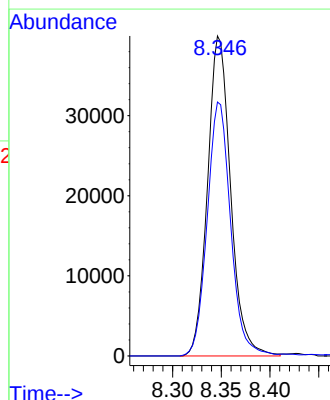
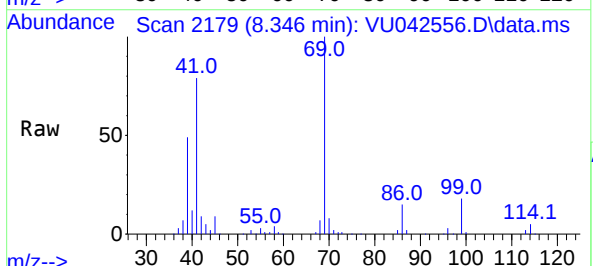
Manual Integrations  
APPROVED

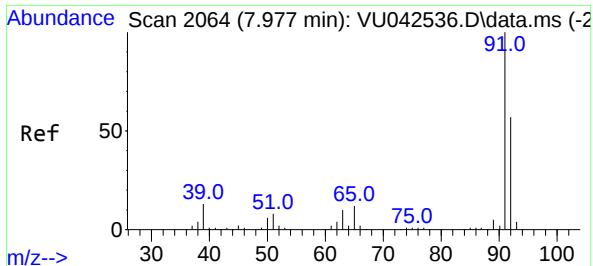
MMDadoda  
3/12/2021 5:15:10 PM



#48  
Ethyl methacrylate  
Concen: 10.33 ug/l  
RT: 8.346 min Scan# 2179  
Delta R.T. -0.000 min  
Lab File: VU042556.D  
Acq: 11 Mar 2021 09:47

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 65927 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 80.5  | 39.9  | 119.7 |





#49

Toluene

Concen: 10.21 ug/l

RT: 7.980 min Scan# 2065

Delta R.T. 0.003 min

Lab File: VU042556.D

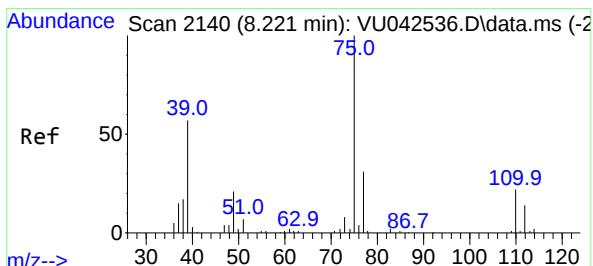
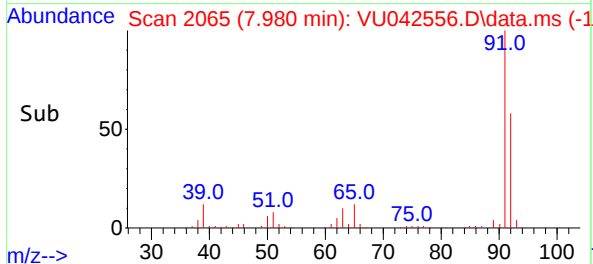
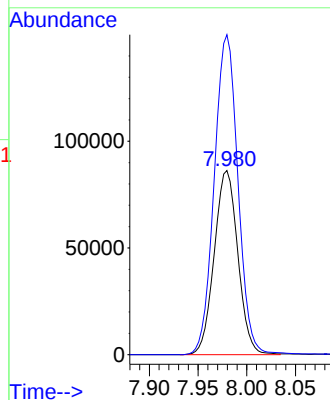
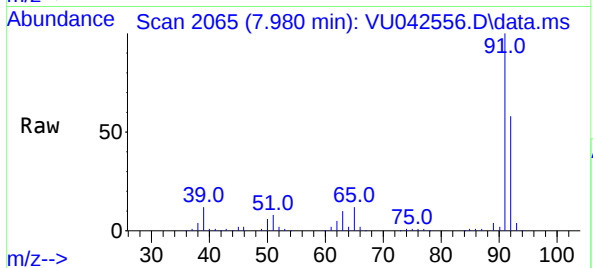
Acq: 11 Mar 2021 09:47

Tgt Ion: 92 Resp: 145452

Ion Ratio Lower Upper

92 100

91 174.9 140.3 210.5



#50

t-1,3-Dichloropropene

Concen: 10.39 ug/l

RT: 8.221 min Scan# 2140

Delta R.T. -0.000 min

Lab File: VU042556.D

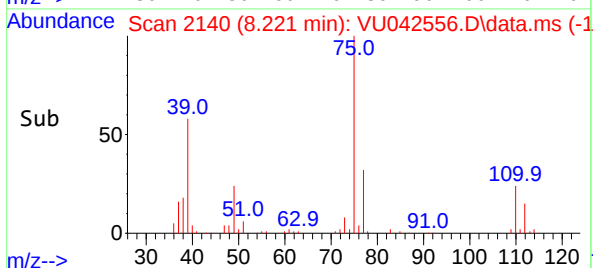
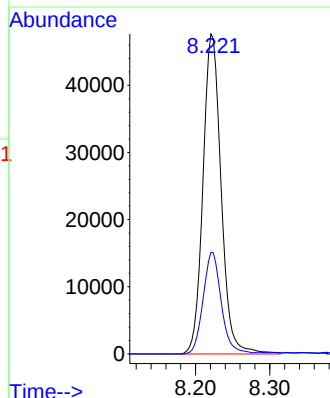
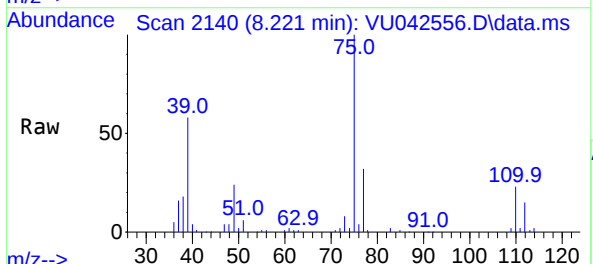
Acq: 11 Mar 2021 09:47

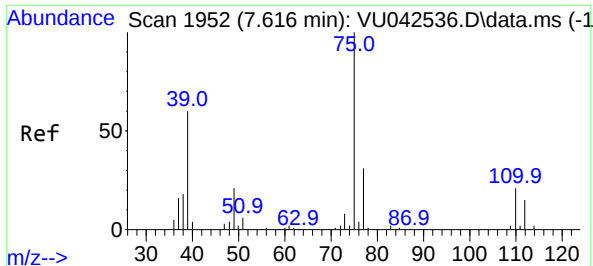
Tgt Ion: 75 Resp: 80843

Ion Ratio Lower Upper

75 100

77 31.7 24.9 37.3





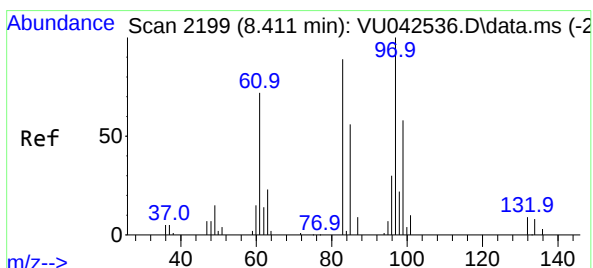
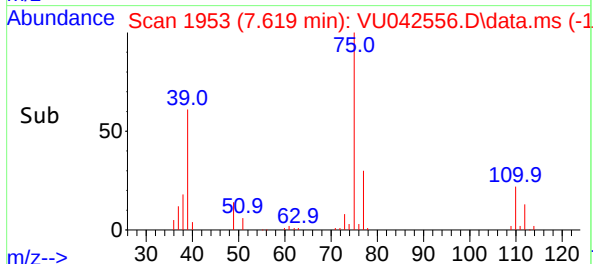
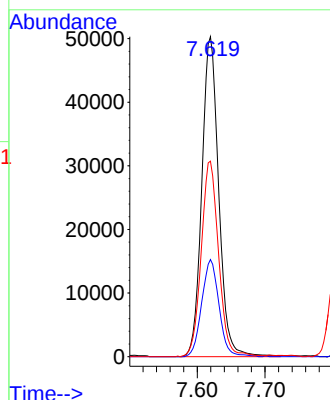
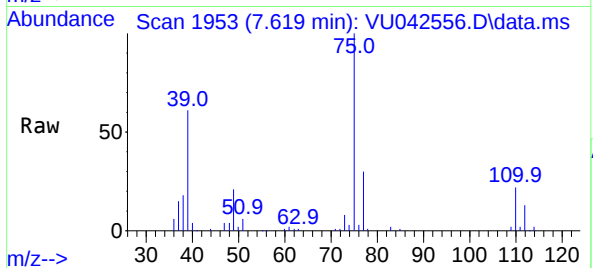
#51  
cis-1,3-Dichloropropene  
Concen: 10.24 ug/l  
RT: 7.619 min Scan# 1953  
Delta R.T. 0.003 min  
Lab File: VU042556.D  
Acq: 11 Mar 2021 09:47

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 86987 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 30.3  | 25.0  | 37.6  |
| 39        | 61.1  | 48.2  | 72.4  |

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD01002

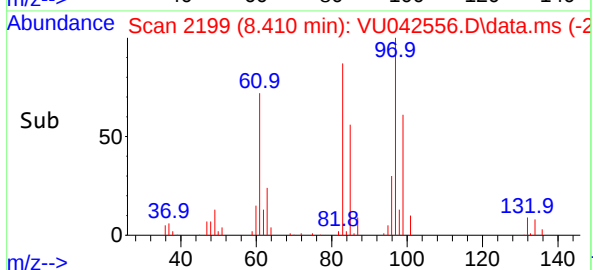
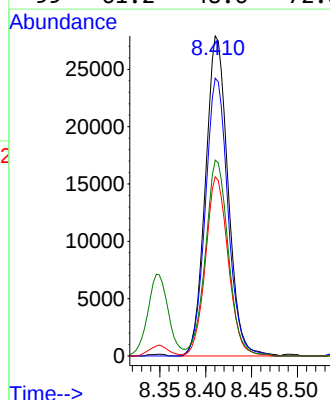
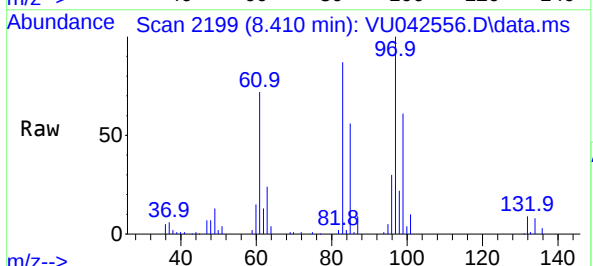
Manual Integrations  
APPROVED

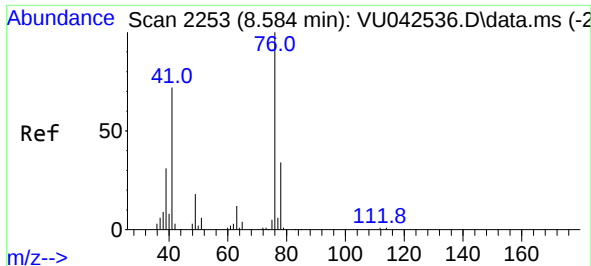
MMDadoda  
3/12/2021 5:15:10 PM



#52  
1,1,2-Trichloroethane  
Concen: 10.29 ug/l  
RT: 8.410 min Scan# 2199  
Delta R.T. -0.000 min  
Lab File: VU042556.D  
Acq: 11 Mar 2021 09:47

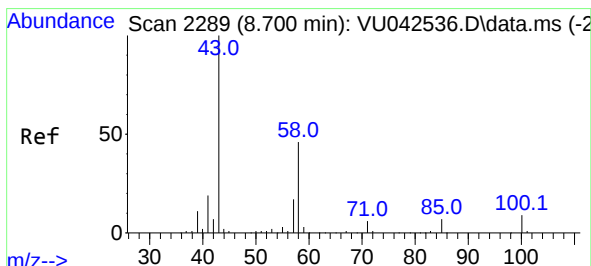
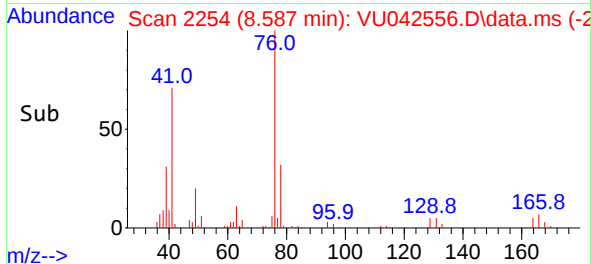
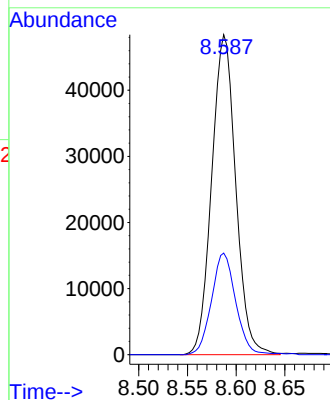
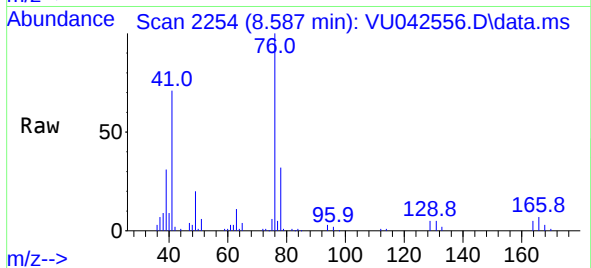
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 97    | Resp: | 47837 |
| Ion Ratio | Lower | Upper |       |
| 97        | 100   |       |       |
| 83        | 86.8  | 71.4  | 107.2 |
| 85        | 56.0  | 45.5  | 68.3  |
| 99        | 61.2  | 48.6  | 72.8  |





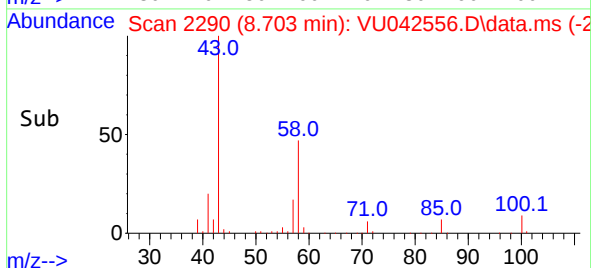
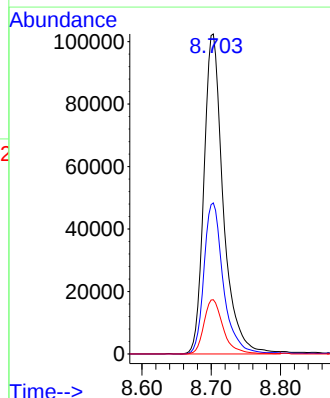
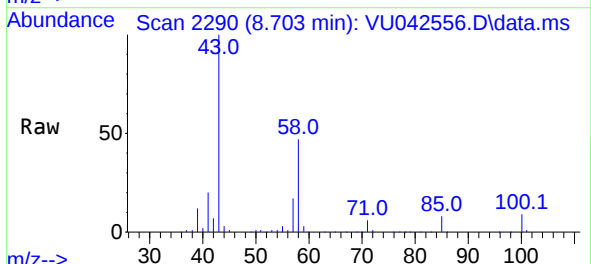
#53  
1,3-Dichloropropane  
Concen: 10.00 ug/l  
RT: 8.587 min Scan# 2254  
Delta R.T. 0.003 min  
Lab File: VU042556.D  
Acq: 11 Mar 2021 09:47

Tgt Ion: 76 Resp: 83044  
Ion Ratio Lower Upper  
76 100  
78 32.0 25.8 38.8



#54  
2-Hexanone  
Concen: 53.06 ug/l  
RT: 8.703 min Scan# 2290  
Delta R.T. 0.003 min  
Lab File: VU042556.D  
Acq: 11 Mar 2021 09:47

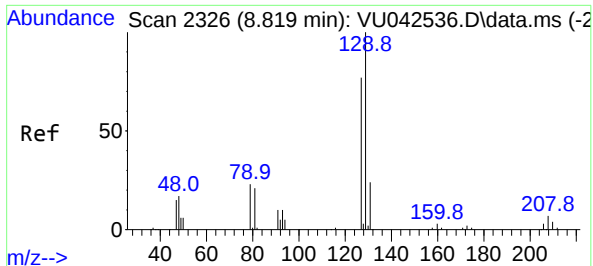
Tgt Ion: 43 Resp: 198310  
Ion Ratio Lower Upper  
43 100  
58 47.4 27.0 67.0  
57 16.8 0.0 36.7



Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD01002

Manual Integrations  
APPROVED

MMDadoda  
3/12/2021 5:15:10 PM



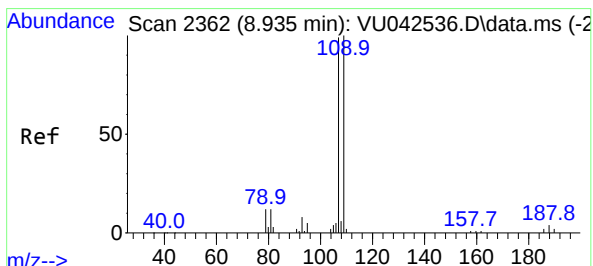
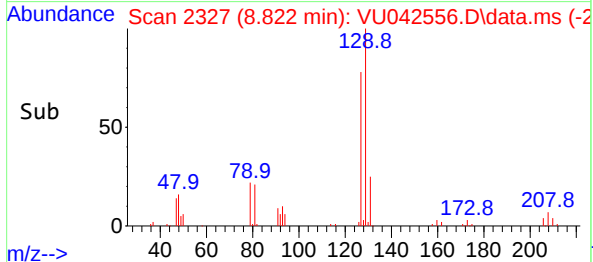
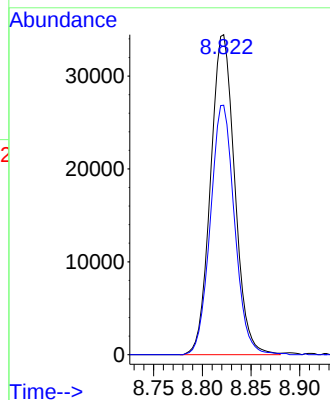
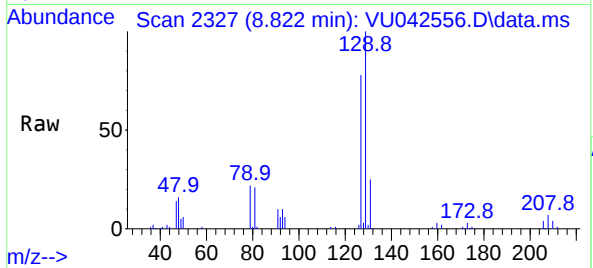
#55  
Dibromochloromethane  
Concen: 10.27 ug/l  
RT: 8.822 min Scan# 2327  
Delta R.T. 0.003 min  
Lab File: VU042556.D  
Acq: 11 Mar 2021 09:47

Tgt Ion:129 Resp: 59411  
Ion Ratio Lower Upper  
129 100  
127 78.0 60.6 91.0

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD01002

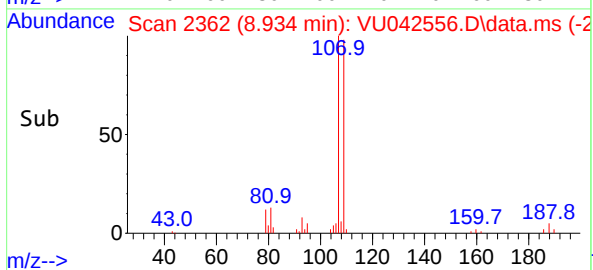
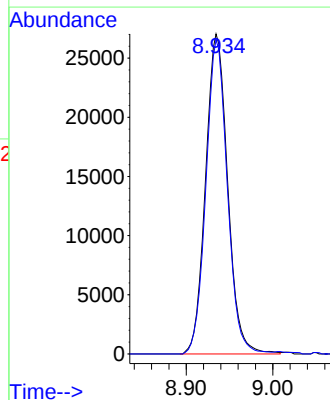
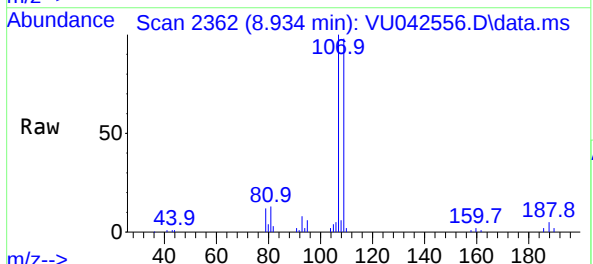
Manual Integrations  
APPROVED

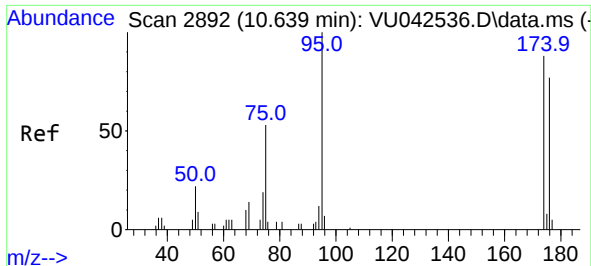
MMDadoda  
3/12/2021 5:15:10 PM



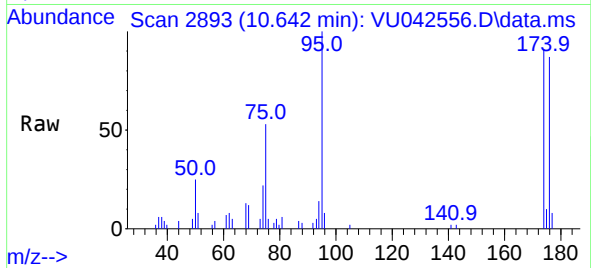
#56  
1,2-Dibromoethane  
Concen: 10.00 ug/l  
RT: 8.934 min Scan# 2362  
Delta R.T. -0.000 min  
Lab File: VU042556.D  
Acq: 11 Mar 2021 09:47

Tgt Ion:107 Resp: 48026  
Ion Ratio Lower Upper  
107 100  
109 94.9 0.0 192.6

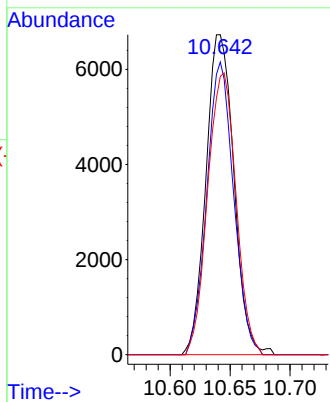
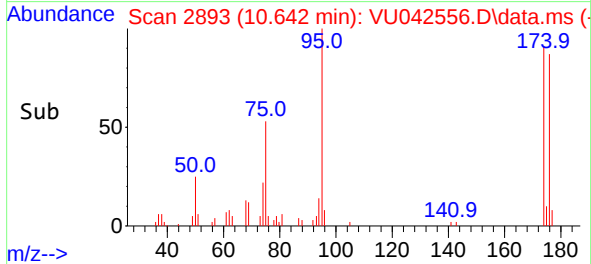




#57  
4-Bromofluorobenzene  
Concen: 1.19 ug/l  
RT: 10.642 min Scan# 2893  
Delta R.T. 0.003 min  
Lab File: VU042556.D  
Acq: 11 Mar 2021 09:47



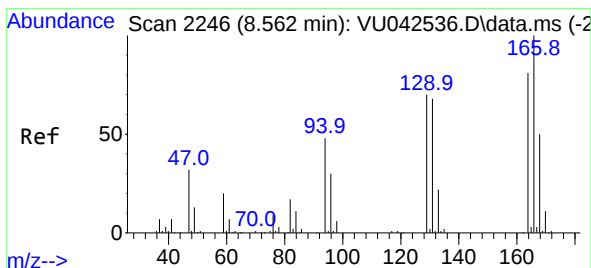
Tgt Ion: 95 Resp: 10914  
Ion Ratio Lower Upper  
95 100  
174 87.6 73.1 109.7  
176 89.1 63.4 95.2



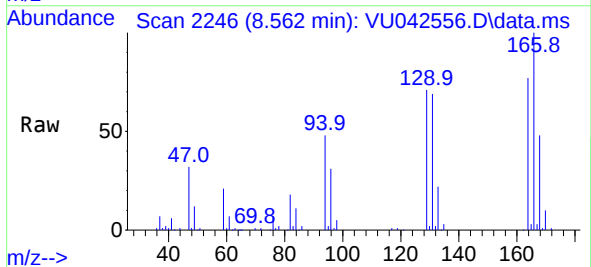
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD01002

Manual Integrations  
APPROVED

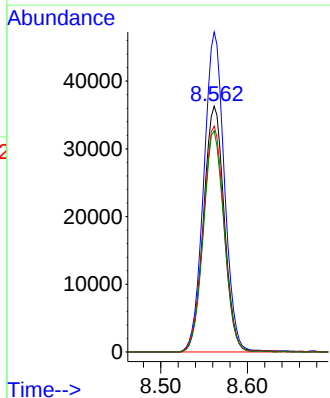
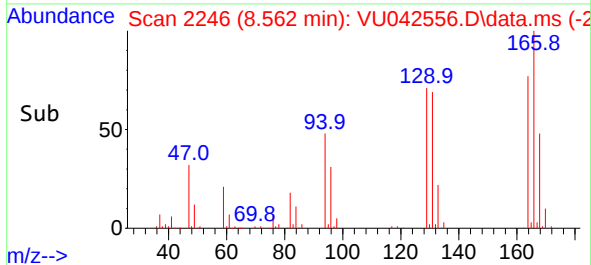
MMDadoda  
3/12/2021 5:15:10 PM

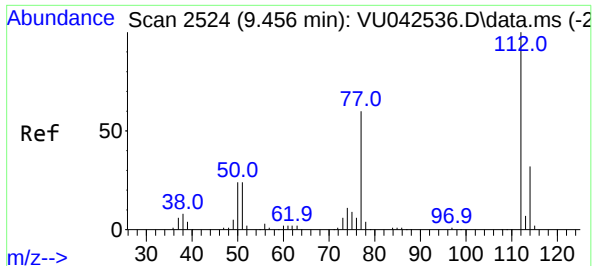


#58  
Tetrachloroethene  
Concen: 9.67 ug/l  
RT: 8.562 min Scan# 2246  
Delta R.T. -0.000 min  
Lab File: VU042556.D  
Acq: 11 Mar 2021 09:47



Tgt Ion: 164 Resp: 60560  
Ion Ratio Lower Upper  
164 100  
166 130.2 98.7 148.1  
129 91.9 69.4 104.0  
131 90.0 67.3 100.9





#59

Chlorobenzene

Concen: 10.22 ug/l

RT: 9.455 min Scan# 2524

Delta R.T. -0.000 min

Lab File: VU042556.D

Acq: 11 Mar 2021 09:47

Tgt Ion:112 Resp: 160068

Ion Ratio Lower Upper

112 100

114 32.5 25.8 38.6

Instrument :

MSVOA\_U

ClientSampleId :

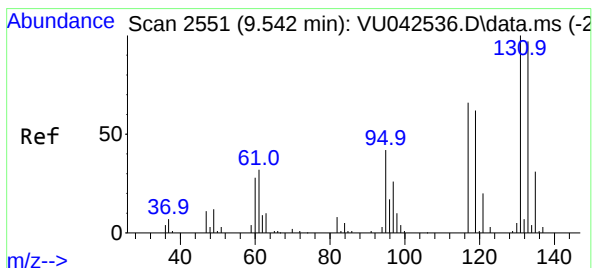
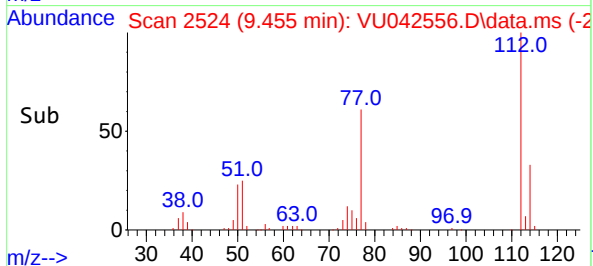
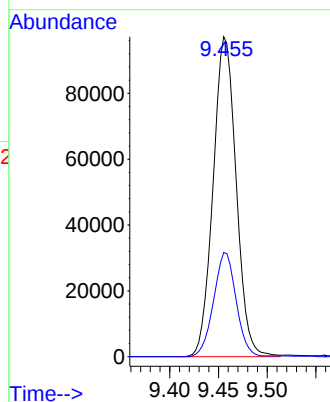
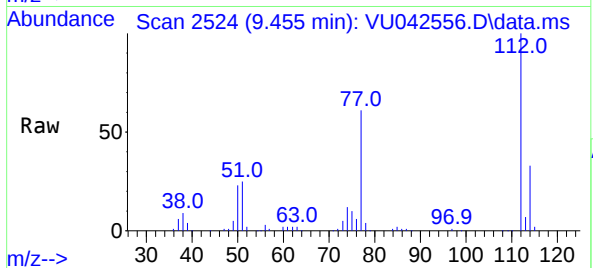
VSTD01002

Manual Integrations

APPROVED

MMDadoda

3/12/2021 5:15:10 PM



#60

1,1,1,2-Tetrachloroethane

Concen: 10.58 ug/l

RT: 9.545 min Scan# 2552

Delta R.T. 0.003 min

Lab File: VU042556.D

Acq: 11 Mar 2021 09:47

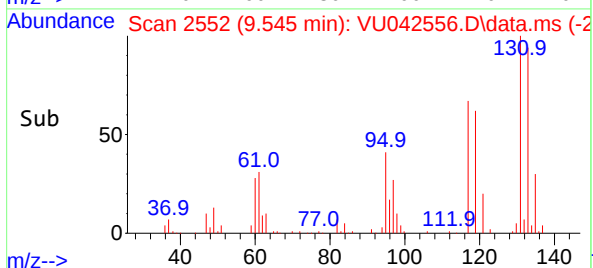
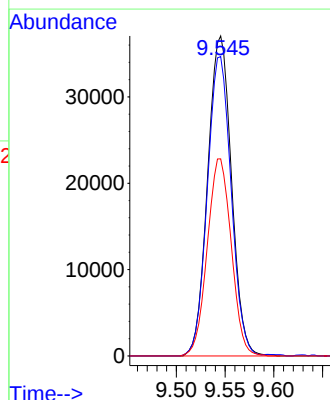
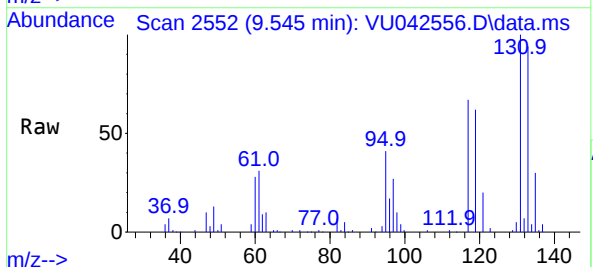
Tgt Ion:131 Resp: 62941

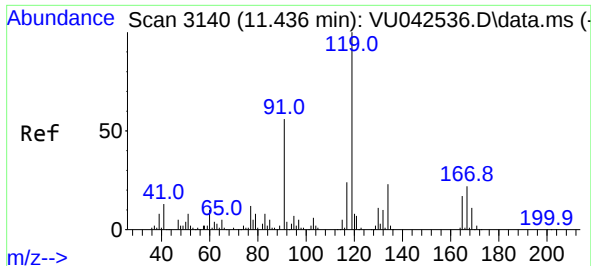
Ion Ratio Lower Upper

131 100

133 93.5 77.0 115.4

119 62.1 50.0 75.0





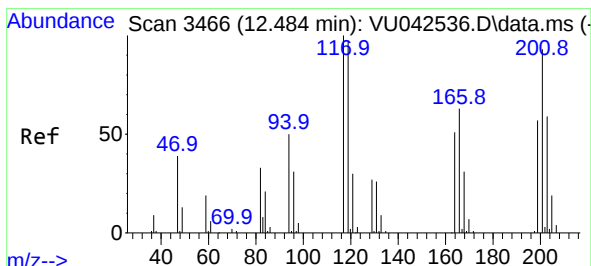
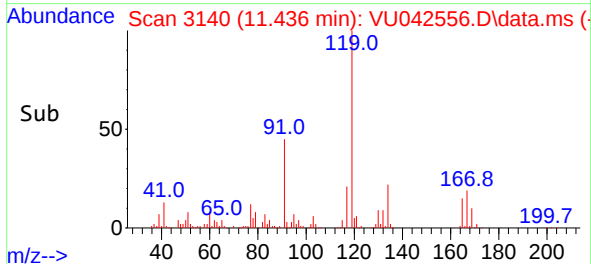
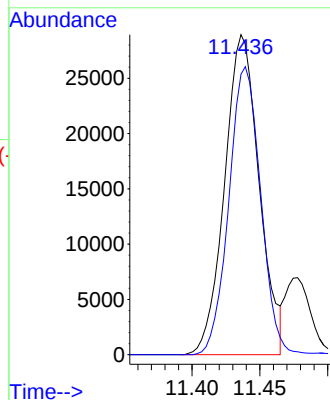
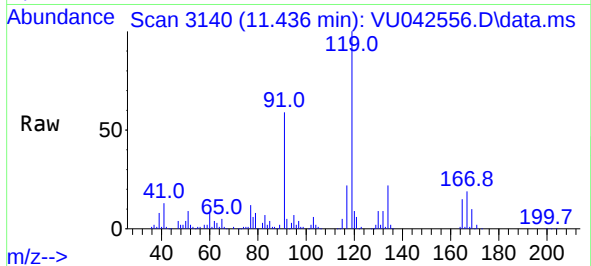
#61  
Pentachloroethane  
Concen: 10.52 ug/l  
RT: 11.436 min Scan# 3140  
Delta R.T. -0.000 min  
Lab File: VU042556.D  
Acq: 11 Mar 2021 09:47

Tgt Ion:117 Resp: 51279  
Ion Ratio Lower Upper  
117 100  
167 83.2 71.7 107.5

Instrument :  
MSVOA\_U  
ClientSampled :  
VSTD01002

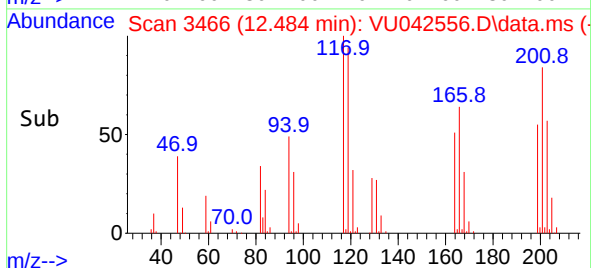
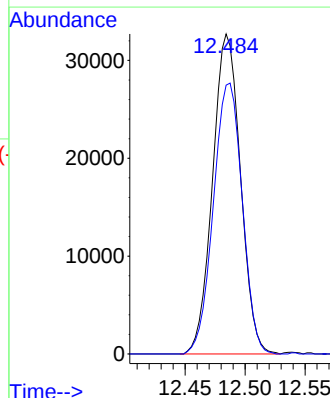
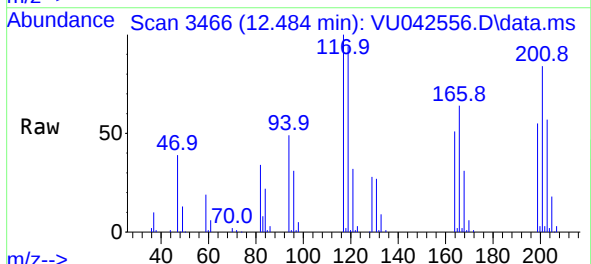
Manual Integrations  
APPROVED

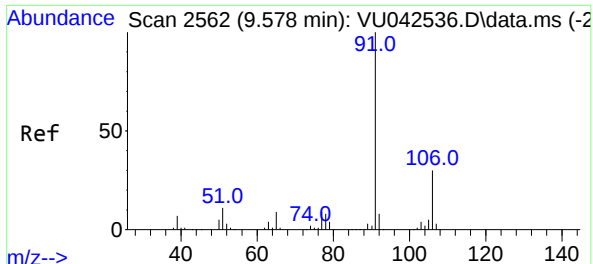
MMDadoda  
3/12/2021 5:15:10 PM



#62  
Hexachloroethane  
Concen: 8.99 ug/l  
RT: 12.484 min Scan# 3466  
Delta R.T. 0.000 min  
Lab File: VU042556.D  
Acq: 11 Mar 2021 09:47

Tgt Ion:117 Resp: 52867  
Ion Ratio Lower Upper  
117 100  
201 87.5 74.1 111.1





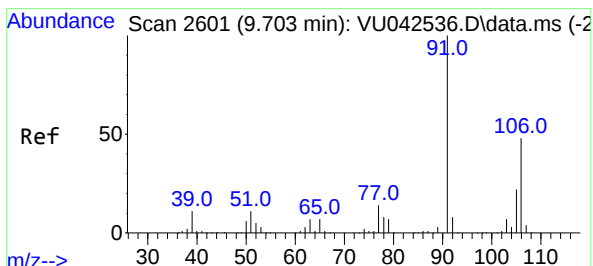
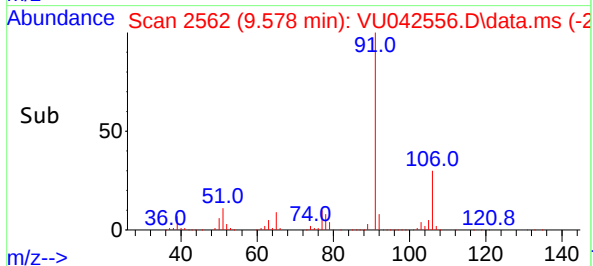
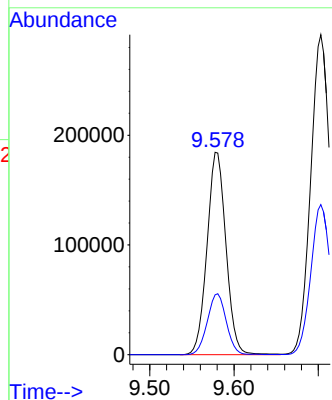
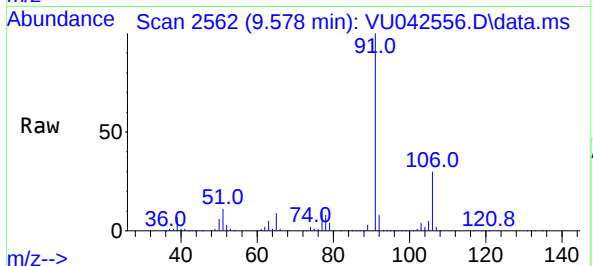
#63  
Ethyl Benzene  
Concen: 10.50 ug/l  
RT: 9.578 min Scan# 2562  
Delta R.T. -0.000 min  
Lab File: VU042556.D  
Acq: 11 Mar 2021 09:47

Tgt Ion: 91 Resp: 288357  
Ion Ratio Lower Upper  
91 100  
106 29.6 24.2 36.4

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD01002

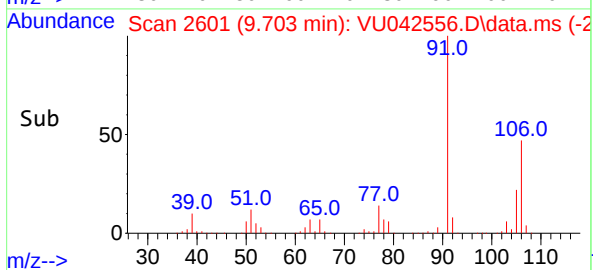
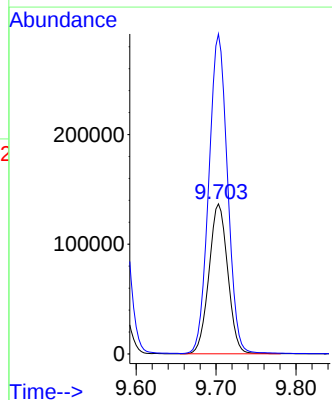
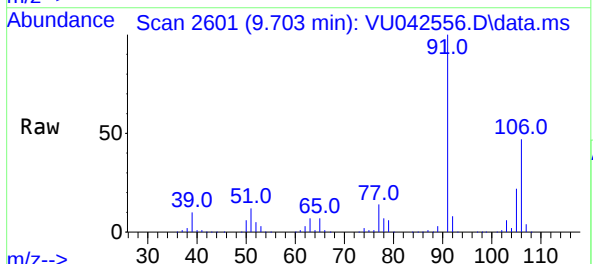
Manual Integrations  
APPROVED

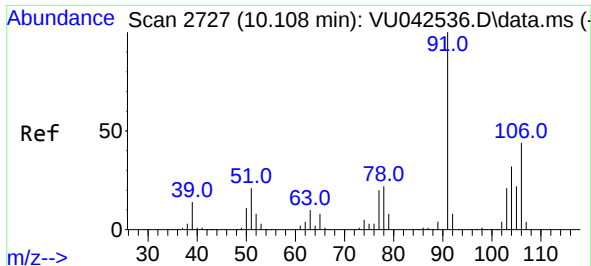
MMDadoda  
3/12/2021 5:15:10 PM



#64  
m/p-Xylenes  
Concen: 21.37 ug/l  
RT: 9.703 min Scan# 2601  
Delta R.T. -0.000 min  
Lab File: VU042556.D  
Acq: 11 Mar 2021 09:47

Tgt Ion:106 Resp: 222967  
Ion Ratio Lower Upper  
106 100  
91 213.0 167.2 250.8





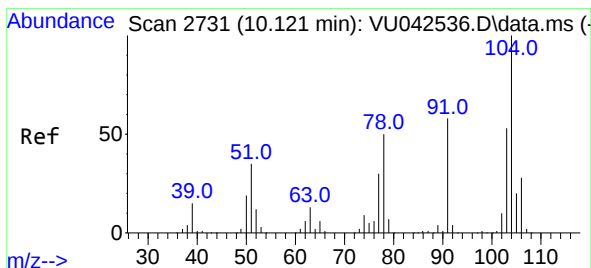
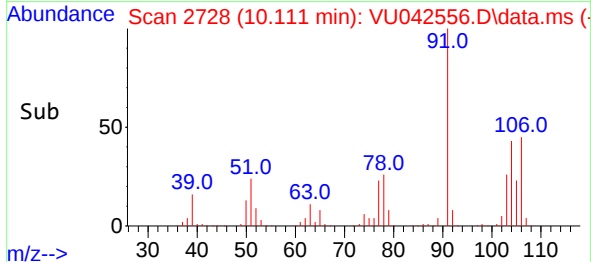
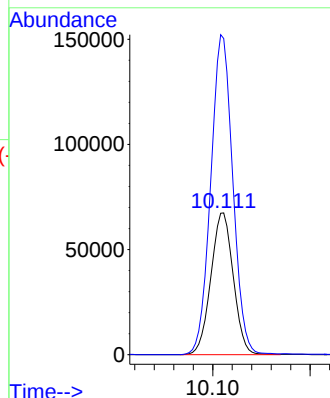
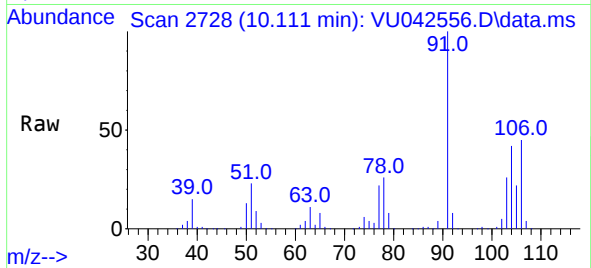
#65  
o-Xylene  
Concen: 10.64 ug/l  
RT: 10.111 min Scan# 2728  
Delta R.T. 0.003 min  
Lab File: VU042556.D  
Acq: 11 Mar 2021 09:47

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD01002

Tgt Ion:106 Resp: 107717  
Ion Ratio Lower Upper  
106 100  
91 222.3 111.3 333.9

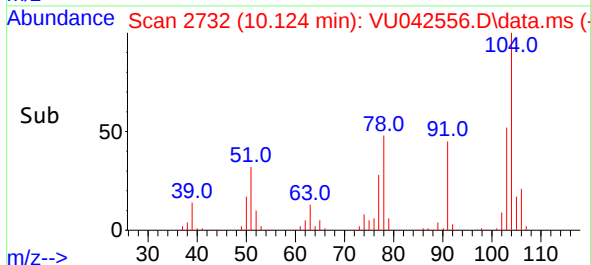
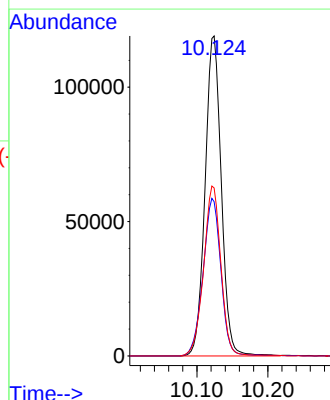
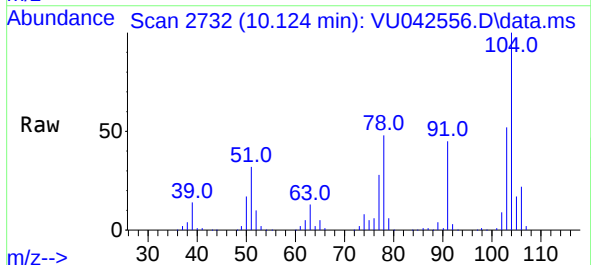
Manual Integrations  
APPROVED

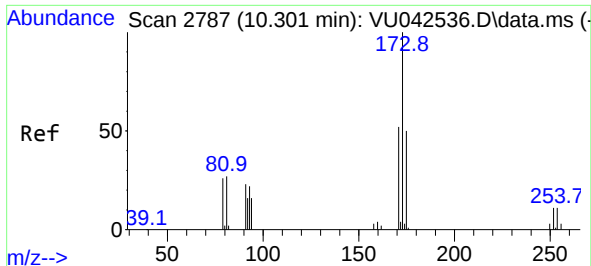
MMDadoda  
3/12/2021 5:15:10 PM



#66  
Styrene  
Concen: 10.95 ug/l  
RT: 10.124 min Scan# 2732  
Delta R.T. 0.003 min  
Lab File: VU042556.D  
Acq: 11 Mar 2021 09:47

Tgt Ion:104 Resp: 189377  
Ion Ratio Lower Upper  
104 100  
78 53.9 43.5 65.3  
103 56.3 45.2 67.8





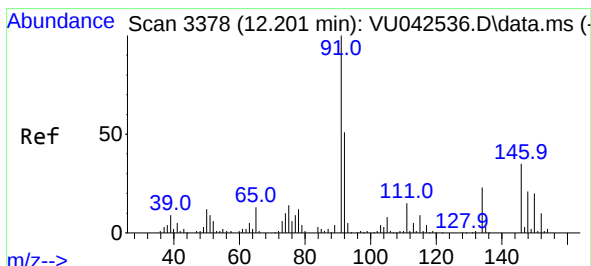
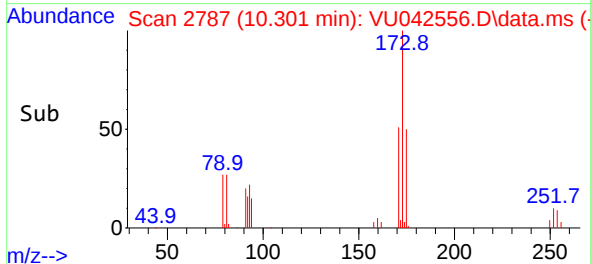
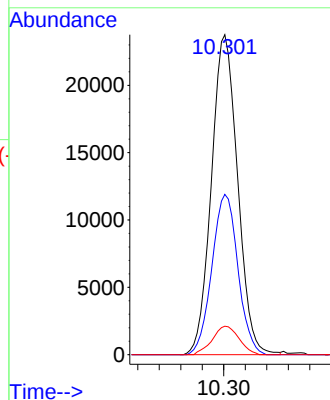
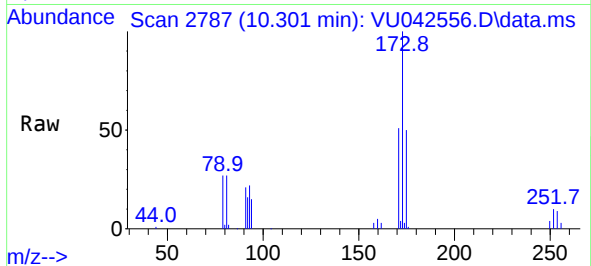
#67  
Bromoform  
Concen: 10.67 ug/l  
RT: 10.301 min Scan# 2787  
Delta R.T. -0.000 min  
Lab File: VU042556.D  
Acq: 11 Mar 2021 09:47

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 173   | Resp: | 40187 |
| Ion Ratio | Lower | Upper |       |
| 173       | 100   |       |       |
| 175       | 49.7  | 38.6  | 57.8  |
| 254       | 9.1   | 8.2   | 12.4  |

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD01002

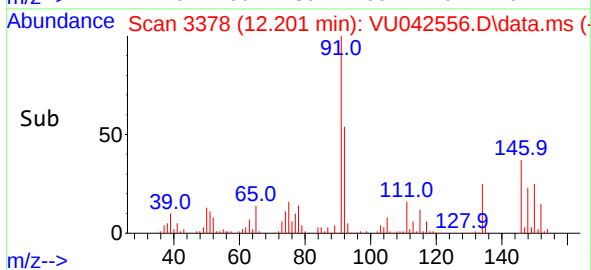
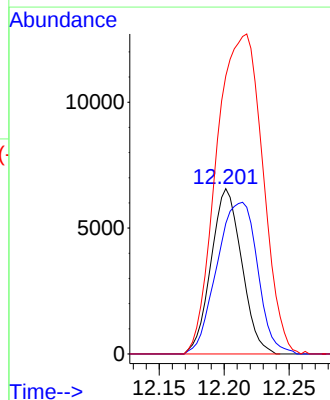
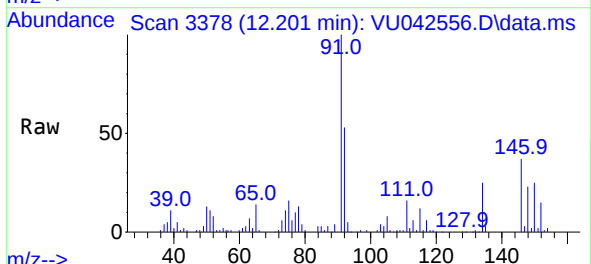
Manual Integrations  
APPROVED

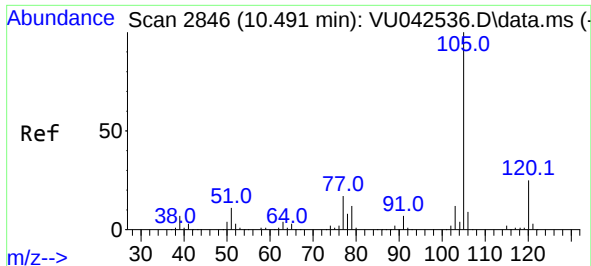
MMDadoda  
3/12/2021 5:15:10 PM



#68  
1,2-Dichlorobenzene-d4  
Concen: 1.14 ug/l  
RT: 12.201 min Scan# 3378  
Delta R.T. -0.000 min  
Lab File: VU042556.D  
Acq: 11 Mar 2021 09:47

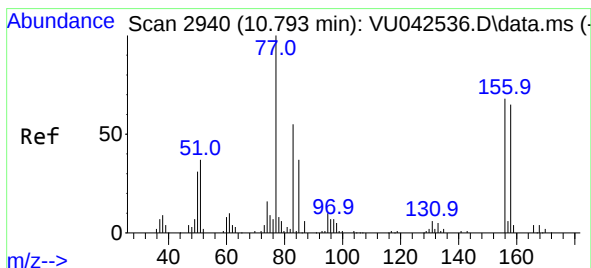
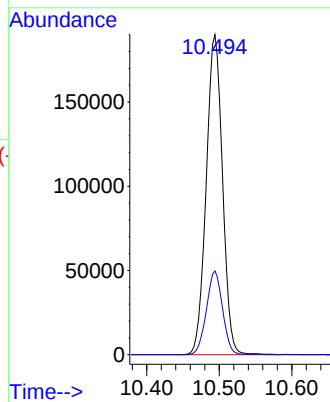
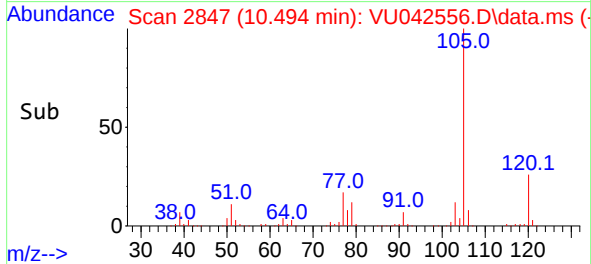
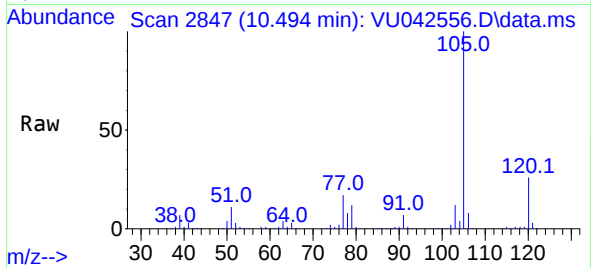
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 152   | Resp: | 10776 |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 115       | 121.5 | 0.0   | 266.0 |
| 150       | 290.9 | 0.0   | 657.2 |





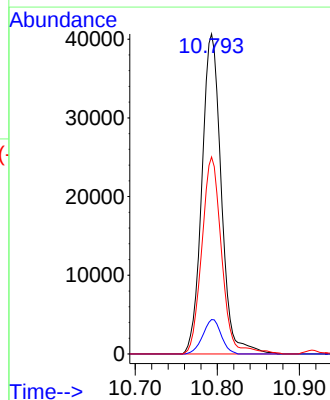
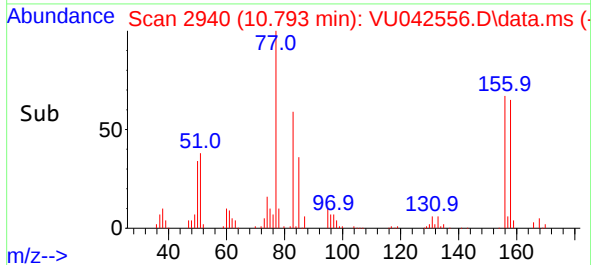
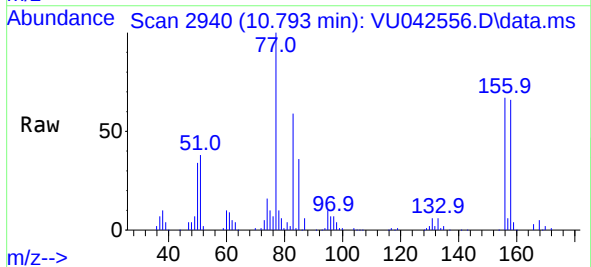
#69  
Isopropylbenzene  
Concen: 10.73 ug/l  
RT: 10.494 min Scan# 2847  
Delta R.T. 0.003 min  
Lab File: VU042556.D  
Acq: 11 Mar 2021 09:47

Tgt Ion:105 Resp: 296311  
Ion Ratio Lower Upper  
105 100  
120 25.9 12.7 38.1



#70  
1,1,2,2-Tetrachloroethane  
Concen: 10.47 ug/l  
RT: 10.793 min Scan# 2940  
Delta R.T. -0.000 min  
Lab File: VU042556.D  
Acq: 11 Mar 2021 09:47

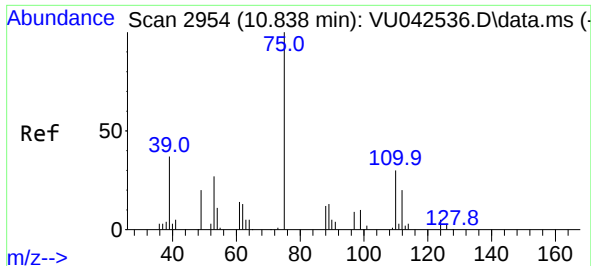
Tgt Ion: 83 Resp: 66621  
Ion Ratio Lower Upper  
83 100  
131 10.3 8.5 12.7  
85 63.0 52.1 78.1



Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD01002

Manual Integrations  
APPROVED

MMDadoda  
3/12/2021 5:15:10 PM



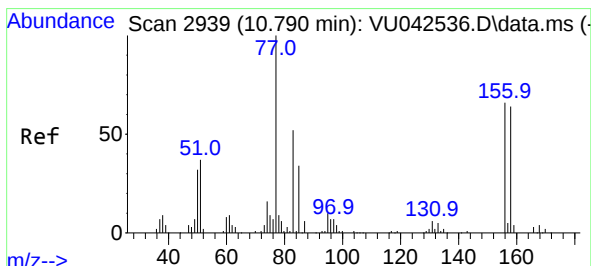
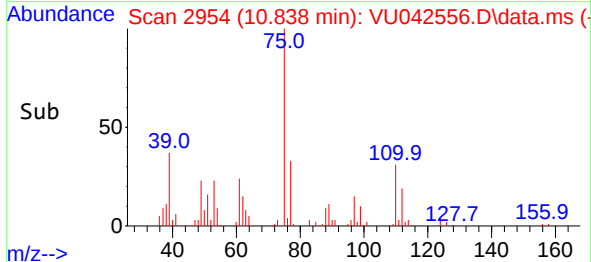
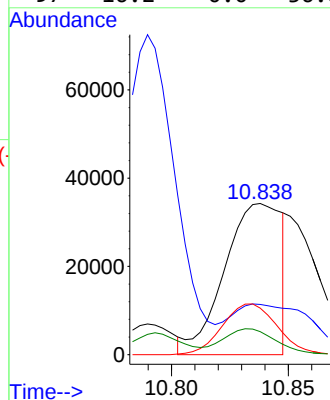
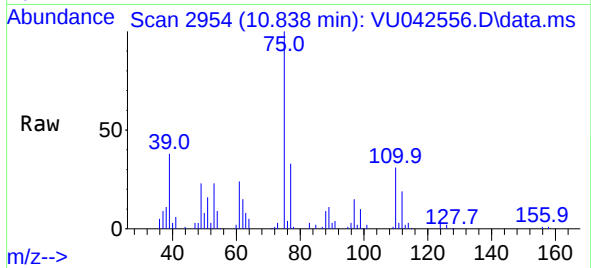
#71  
1,2,3-Trichloropropane  
Concen: 11.26 ug/l m  
RT: 10.838 min Scan# 2954  
Delta R.T. -0.000 min  
Lab File: VU042556.D  
Acq: 11 Mar 2021 09:47

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 58246 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 48.0  | 0.0   | 105.6 |
| 110       | 32.4  | 0.0   | 71.4  |
| 97        | 16.2  | 0.0   | 36.8  |

Instrument :  
MSVOA\_U  
ClientSampled :  
VSTD01002

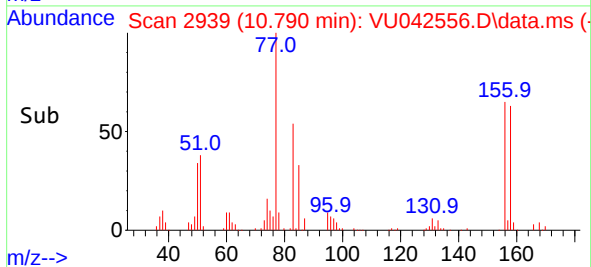
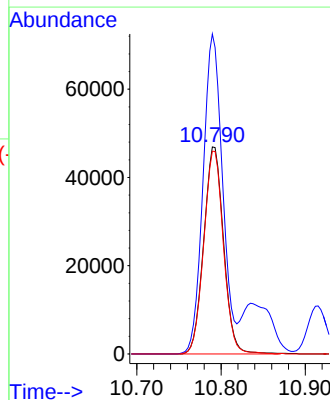
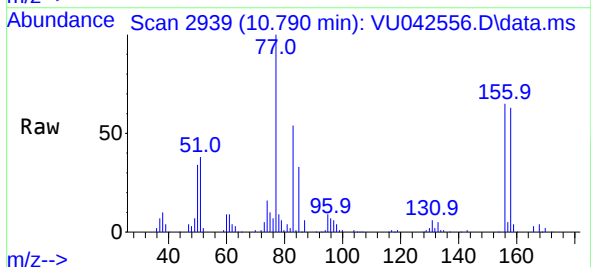
Manual Integrations  
APPROVED

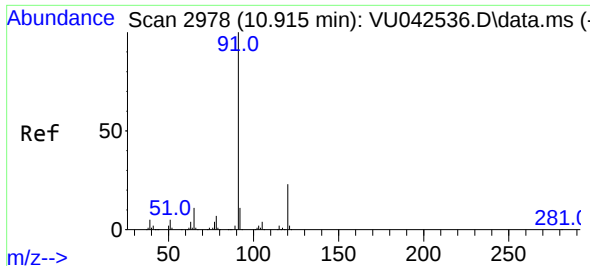
MMDadoda  
3/12/2021 5:15:10 PM



#72  
Bromobenzene  
Concen: 10.31 ug/l  
RT: 10.790 min Scan# 2939  
Delta R.T. -0.000 min  
Lab File: VU042556.D  
Acq: 11 Mar 2021 09:47

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 156   | Resp: | 77106 |
| Ion Ratio | Lower | Upper |       |
| 156       | 100   |       |       |
| 77        | 151.5 | 0.0   | 301.2 |
| 158       | 97.2  | 0.0   | 192.6 |





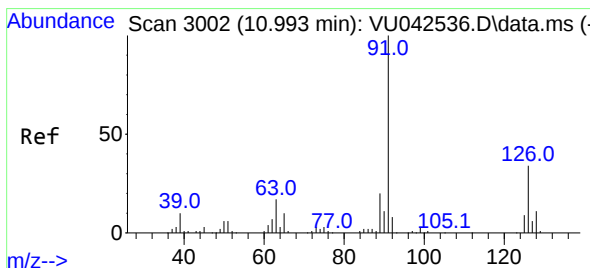
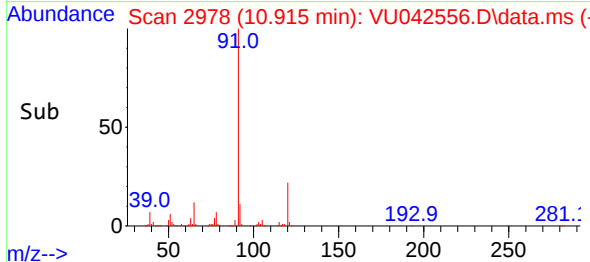
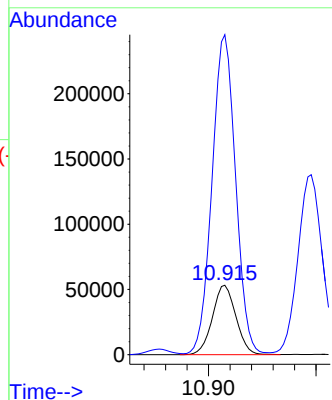
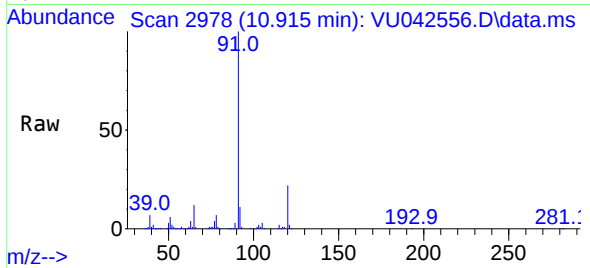
#73  
n-propylbenzene  
Concen: 10.67 ug/l  
RT: 10.915 min Scan# 2978  
Delta R.T. -0.000 min  
Lab File: VU042556.D  
Acq: 11 Mar 2021 09:47

Tgt Ion:120 Resp: 80810  
Ion Ratio Lower Upper  
120 100  
91 458.7 352.4 528.6

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD01002

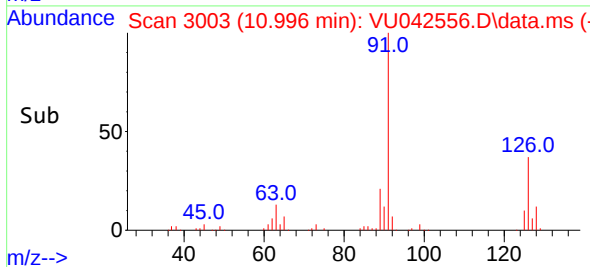
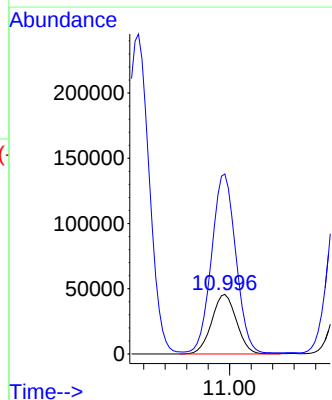
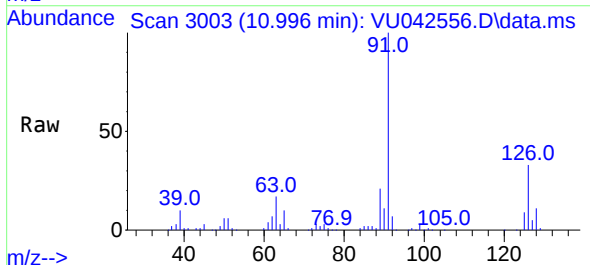
Manual Integrations  
APPROVED

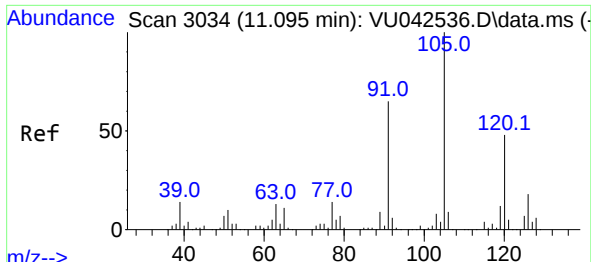
MMDadoda  
3/12/2021 5:15:10 PM



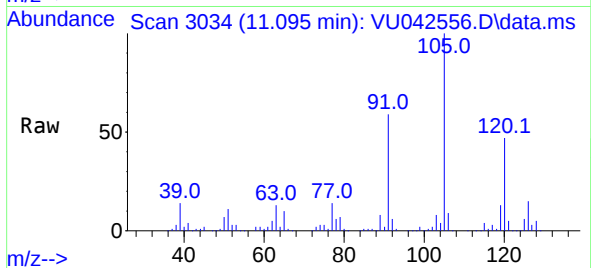
#74  
2-Chlorotoluene  
Concen: 10.74 ug/l  
RT: 10.996 min Scan# 3003  
Delta R.T. 0.003 min  
Lab File: VU042556.D  
Acq: 11 Mar 2021 09:47

Tgt Ion:126 Resp: 73048  
Ion Ratio Lower Upper  
126 100  
91 293.4 0.0 583.8

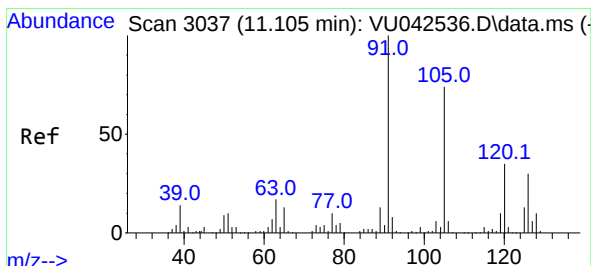
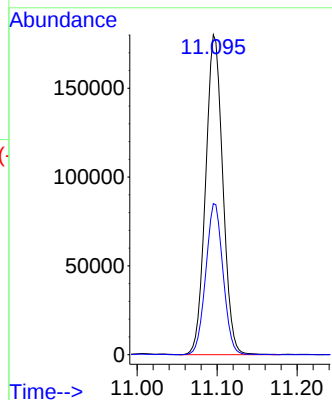
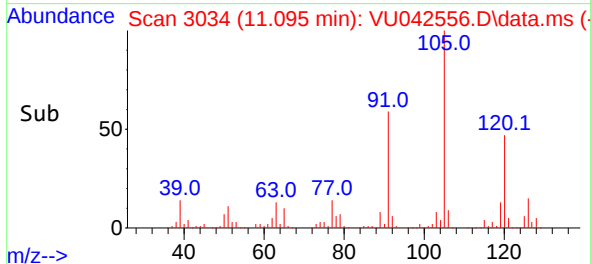




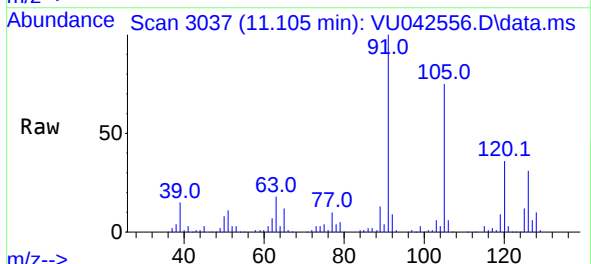
#75  
1,3,5-Trimethylbenzene  
Concen: 10.97 ug/l  
RT: 11.095 min Scan# 3034  
Delta R.T. -0.000 min  
Lab File: VU042556.D  
Acq: 11 Mar 2021 09:47



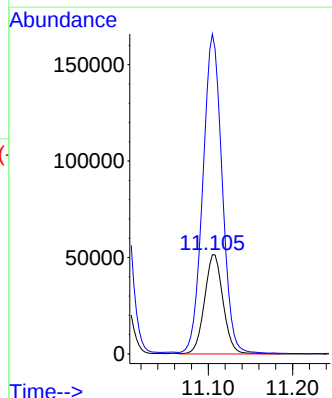
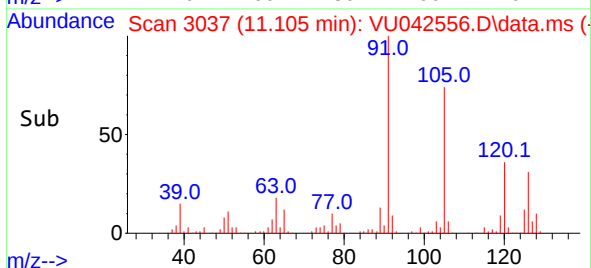
Tgt Ion:105 Resp: 270150  
Ion Ratio Lower Upper  
105 100  
120 47.4 38.1 57.1



#76  
4-Chlorotoluene  
Concen: 11.05 ug/l  
RT: 11.105 min Scan# 3037  
Delta R.T. -0.000 min  
Lab File: VU042556.D  
Acq: 11 Mar 2021 09:47



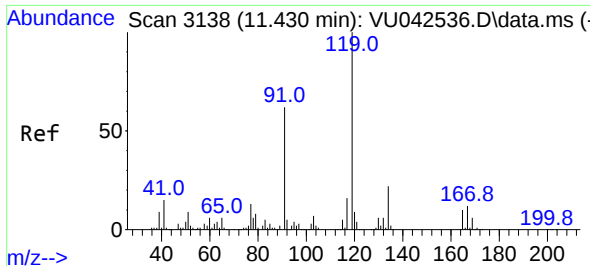
Tgt Ion:126 Resp: 78946  
Ion Ratio Lower Upper  
126 100  
91 334.3 0.0 674.0



Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD01002

Manual Integrations  
APPROVED

MMDadoda  
3/12/2021 5:15:10 PM



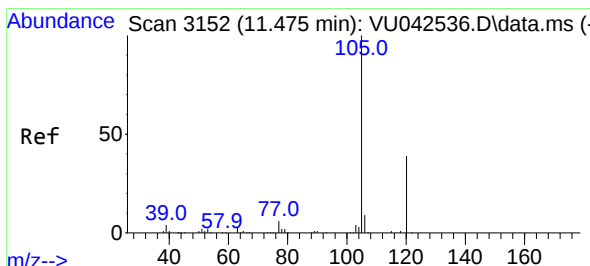
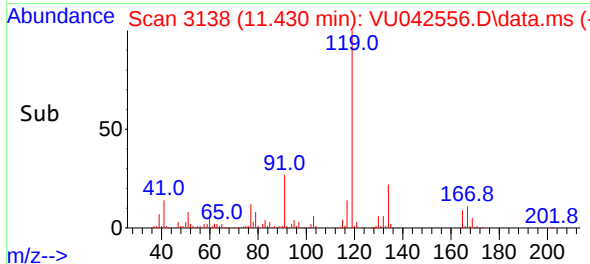
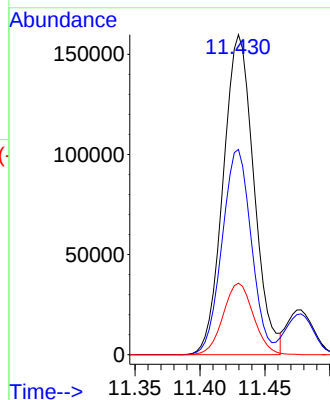
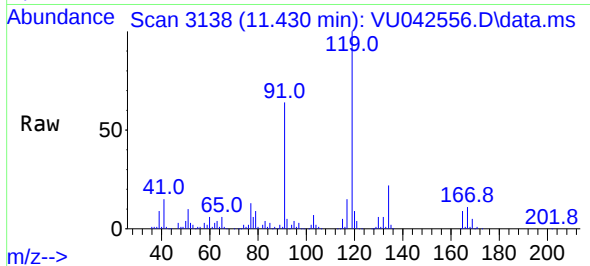
#77  
tert-Butylbenzene  
Concen: 10.71 ug/l  
RT: 11.430 min Scan# 3138  
Delta R.T. -0.000 min  
Lab File: VU042556.D  
Acq: 11 Mar 2021 09:47

Tgt Ion:119 Resp: 262774  
Ion Ratio Lower Upper  
119 100  
91 61.1 30.4 91.3  
134 22.1 18.2 27.2

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD01002

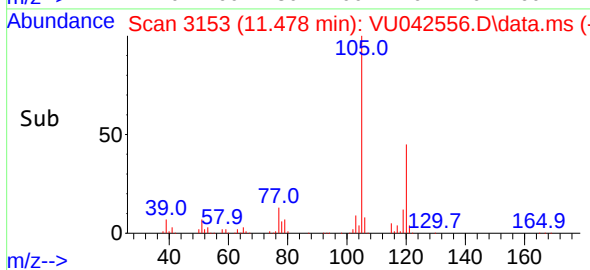
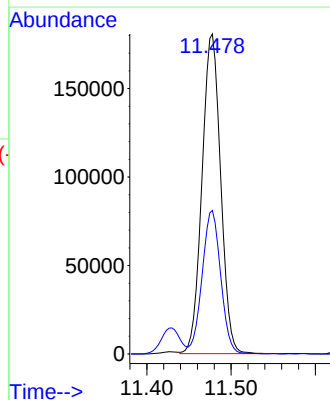
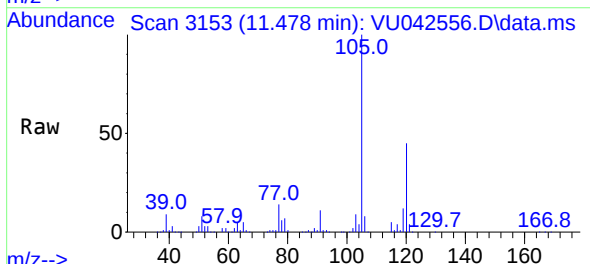
Manual Integrations  
APPROVED

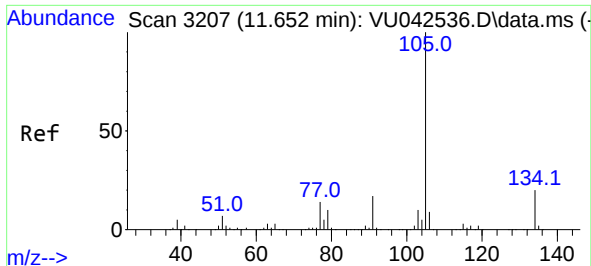
MMDadoda  
3/12/2021 5:15:10 PM



#78  
1,2,4-Trimethylbenzene  
Concen: 9.25 ug/l  
RT: 11.478 min Scan# 3153  
Delta R.T. 0.003 min  
Lab File: VU042556.D  
Acq: 11 Mar 2021 09:47

Tgt Ion:105 Resp: 278621  
Ion Ratio Lower Upper  
105 100  
120 44.5 22.4 67.0





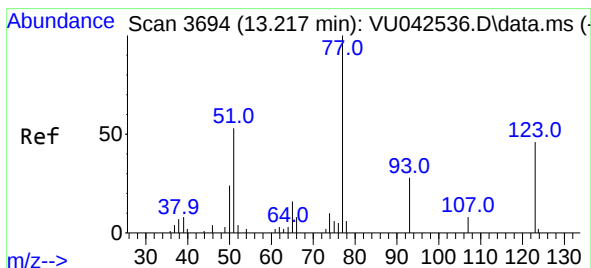
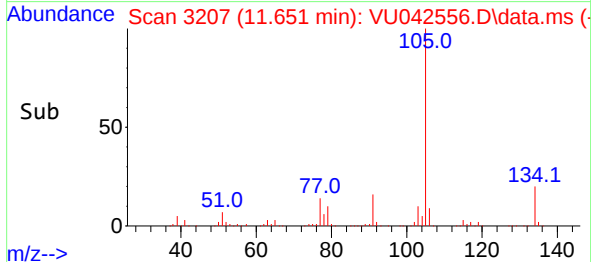
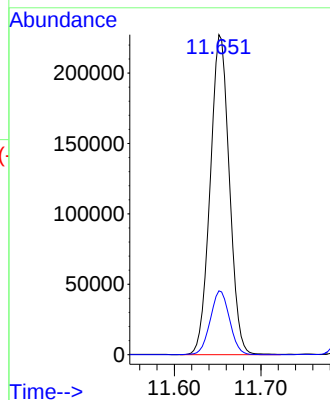
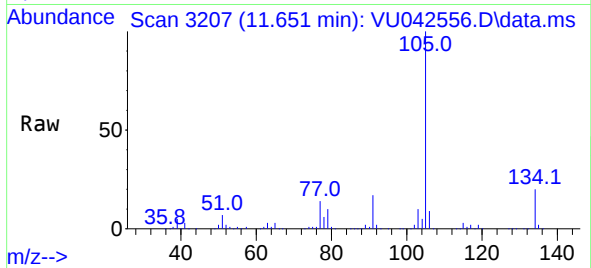
#79  
sec-Butylbenzene  
Concen: 9.16 ug/l  
RT: 11.651 min Scan# 3207  
Delta R.T. -0.001 min  
Lab File: VU042556.D  
Acq: 11 Mar 2021 09:47

Tgt Ion:105 Resp: 348768  
Ion Ratio Lower Upper  
105 100  
134 20.1 16.0 24.0

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD01002

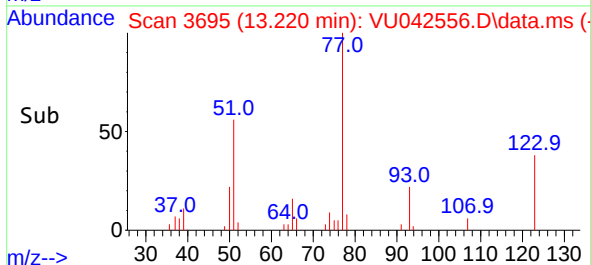
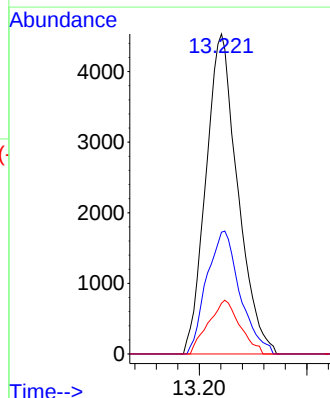
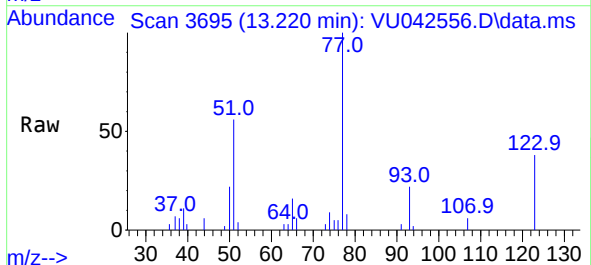
Manual Integrations  
APPROVED

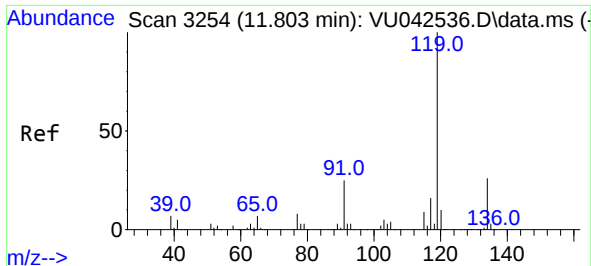
MMDadoda  
3/12/2021 5:15:10 PM



#80  
Nitrobenzene  
Concen: 41.36 ug/l  
RT: 13.220 min Scan# 3695  
Delta R.T. 0.003 min  
Lab File: VU042556.D  
Acq: 11 Mar 2021 09:47

Tgt Ion: 77 Resp: 9291  
Ion Ratio Lower Upper  
77 100  
123 40.3 19.1 67.7  
65 16.7 14.6 18.6





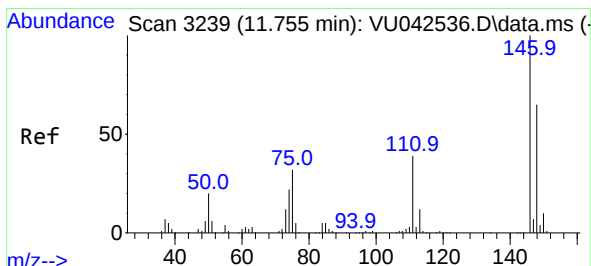
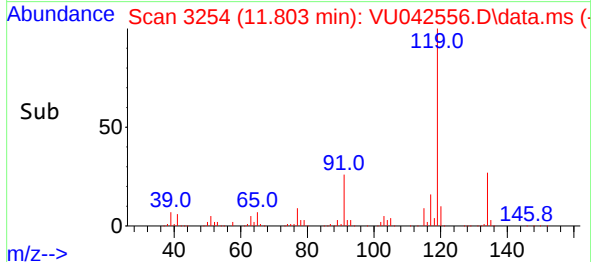
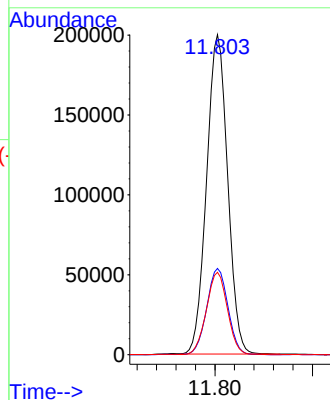
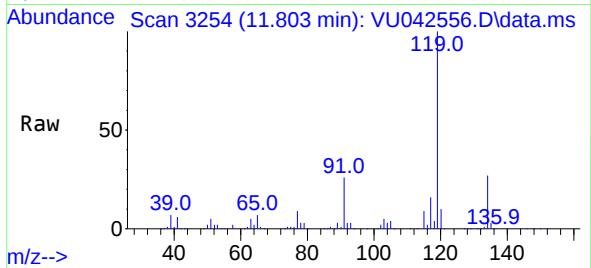
#81  
p-Isopropyltoluene  
Concen: 9.13 ug/l  
RT: 11.803 min Scan# 3254  
Delta R.T. -0.000 min  
Lab File: VU042556.D  
Acq: 11 Mar 2021 09:47

Tgt Ion:119 Resp: 299775  
Ion Ratio Lower Upper  
119 100  
134 27.2 21.1 31.7  
91 25.9 20.0 30.0

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD01002

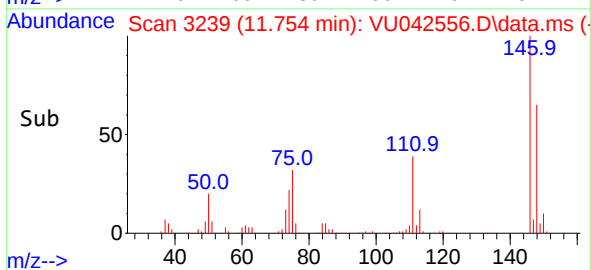
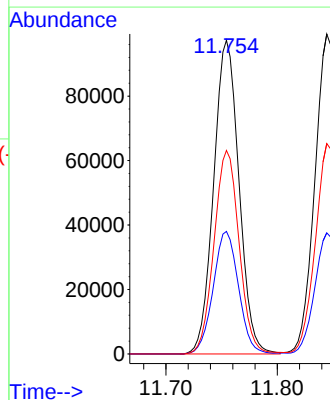
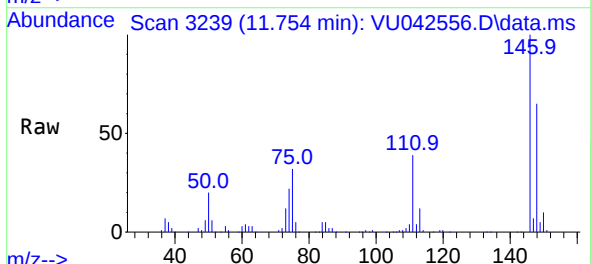
Manual Integrations  
APPROVED

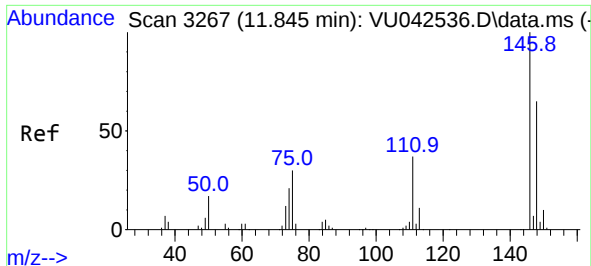
MMDadoda  
3/12/2021 5:15:10 PM



#82  
1,3-Dichlorobenzene  
Concen: 10.52 ug/l  
RT: 11.754 min Scan# 3239  
Delta R.T. -0.000 min  
Lab File: VU042556.D  
Acq: 11 Mar 2021 09:47

Tgt Ion:146 Resp: 153621  
Ion Ratio Lower Upper  
146 100  
111 39.2 31.4 47.0  
148 64.4 51.8 77.6





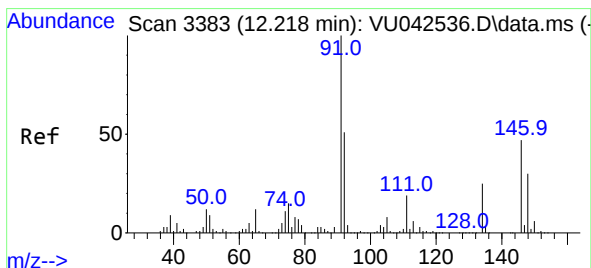
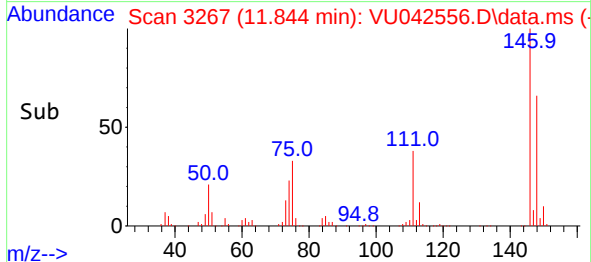
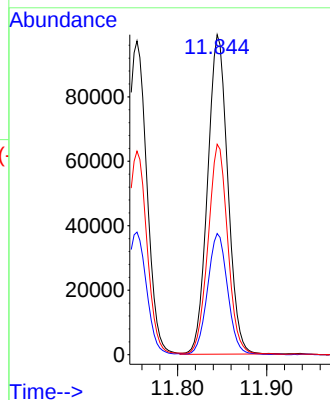
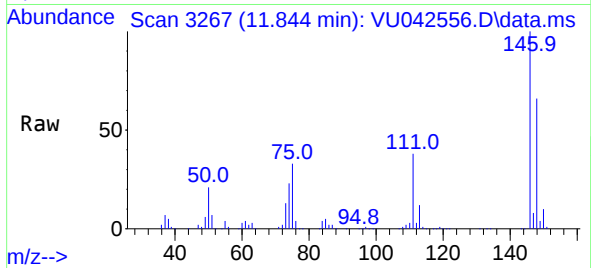
#83  
1,4-Dichlorobenzene  
Concen: 10.58 ug/l  
RT: 11.844 min Scan# 3267  
Delta R.T. -0.000 min  
Lab File: VU042556.D  
Acq: 11 Mar 2021 09:47

Tgt Ion:146 Resp: 155619  
Ion Ratio Lower Upper  
146 100  
111 37.5 29.7 44.5  
148 64.4 51.4 77.2

Instrument :  
MSVOA\_U  
ClientSampled :  
VSTD01002

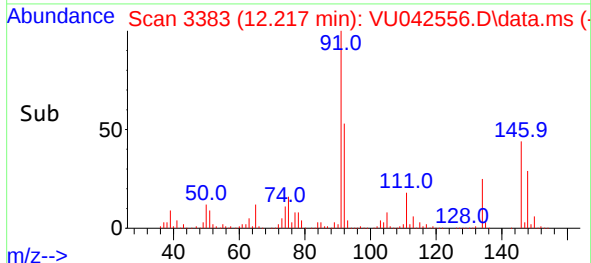
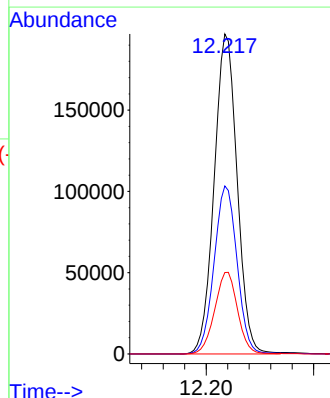
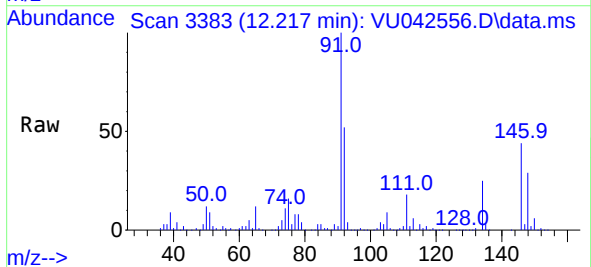
Manual Integrations  
APPROVED

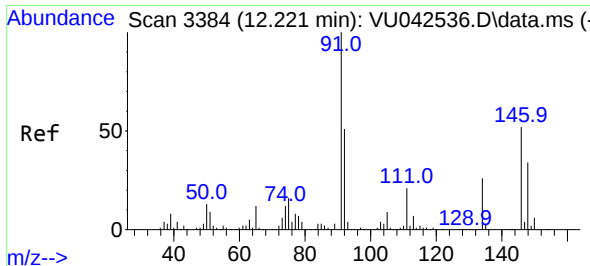
MMDadoda  
3/12/2021 5:15:10 PM



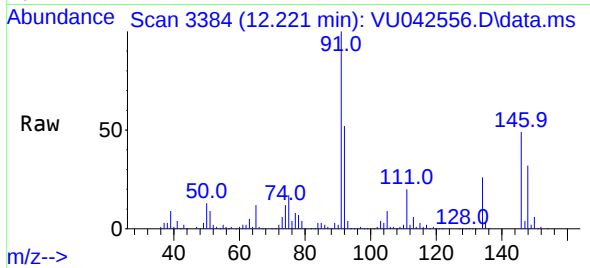
#84  
n-Butylbenzene  
Concen: 9.23 ug/l  
RT: 12.217 min Scan# 3383  
Delta R.T. -0.001 min  
Lab File: VU042556.D  
Acq: 11 Mar 2021 09:47

Tgt Ion: 91 Resp: 291538  
Ion Ratio Lower Upper  
91 100  
92 52.7 41.0 61.4  
134 25.6 20.1 30.1

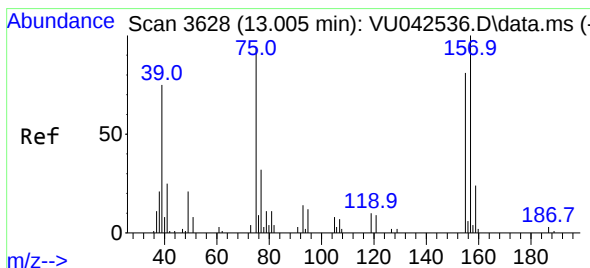
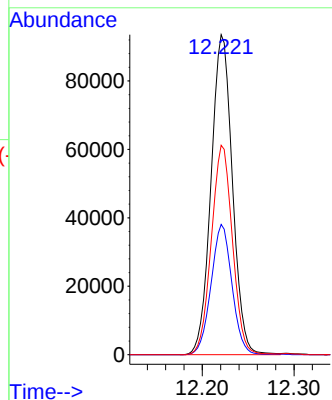
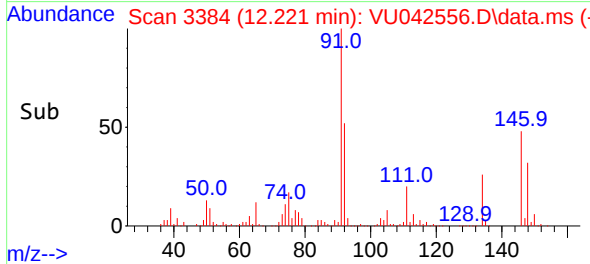




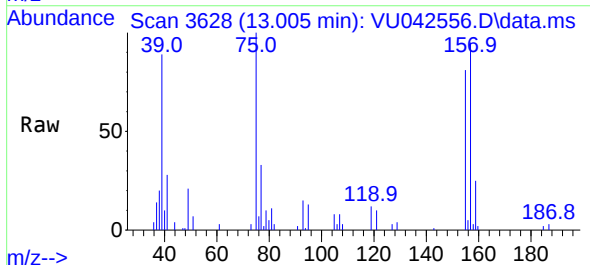
#85  
1,2-Dichlorobenzene  
Concen: 10.50 ug/l  
RT: 12.221 min Scan# 3384  
Delta R.T. -0.000 min  
Lab File: VU042556.D  
Acq: 11 Mar 2021 09:47



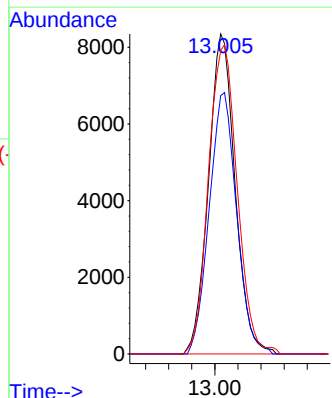
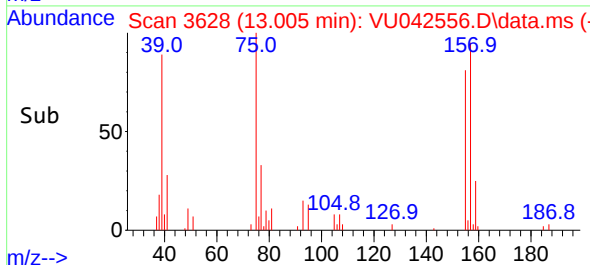
Tgt Ion:146 Resp: 151216  
Ion Ratio Lower Upper  
146 100  
111 40.0 20.1 60.2  
148 64.7 32.1 96.3



#86  
1,2-Dibromo-3-Chloropropane  
Concen: 9.16 ug/l  
RT: 13.005 min Scan# 3628  
Delta R.T. 0.000 min  
Lab File: VU042556.D  
Acq: 11 Mar 2021 09:47



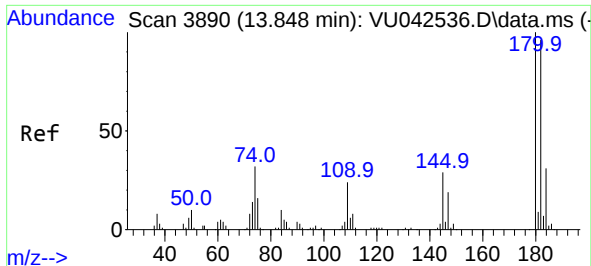
Tgt Ion: 75 Resp: 13329  
Ion Ratio Lower Upper  
75 100  
155 84.4 65.2 97.8  
157 104.5 84.0 126.0



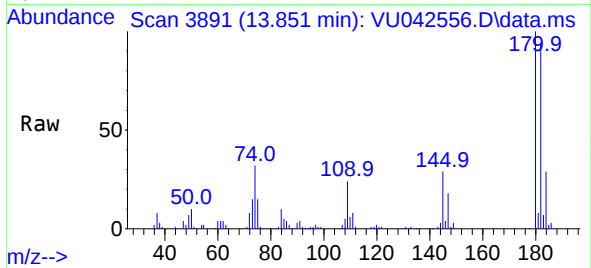
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD01002

Manual Integrations  
APPROVED

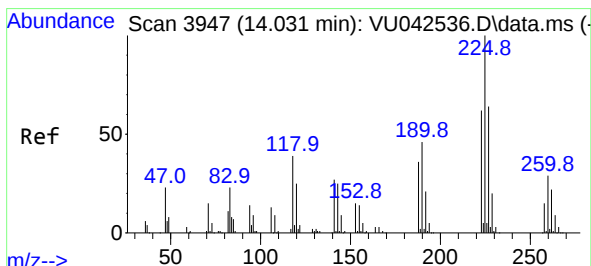
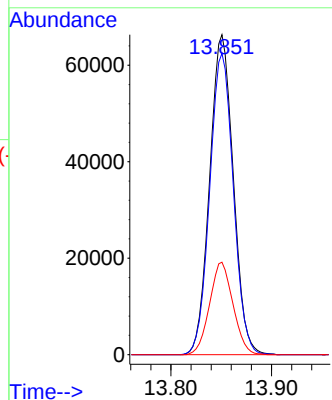
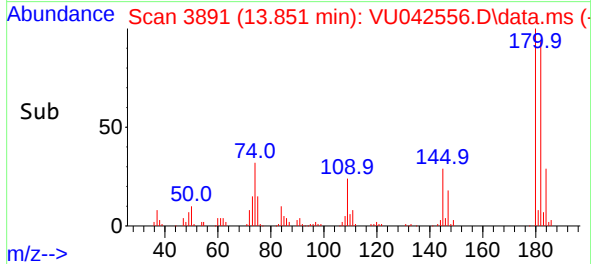
MMDadoda  
3/12/2021 5:15:10 PM



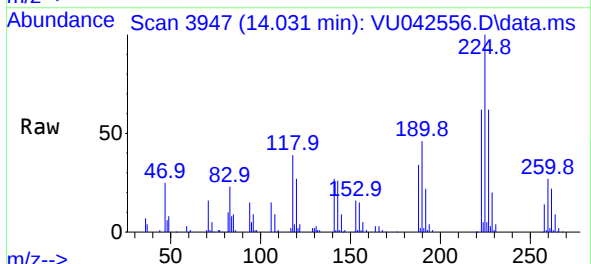
#87  
1,2,4-Trichlorobenzene  
Concen: 8.97 ug/l  
RT: 13.851 min Scan# 3891  
Delta R.T. 0.003 min  
Lab File: VU042556.D  
Acq: 11 Mar 2021 09:47



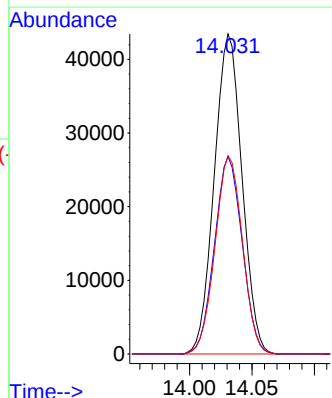
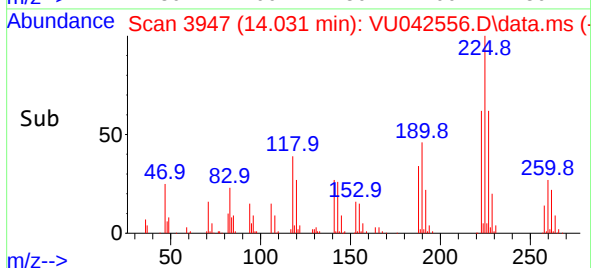
Tgt Ion:180 Resp: 108265  
Ion Ratio Lower Upper  
180 100  
182 94.0 76.2 114.2  
145 28.6 23.0 34.4



#88  
Hexachlorobutadiene  
Concen: 10.48 ug/l  
RT: 14.031 min Scan# 3947  
Delta R.T. -0.000 min  
Lab File: VU042556.D  
Acq: 11 Mar 2021 09:47



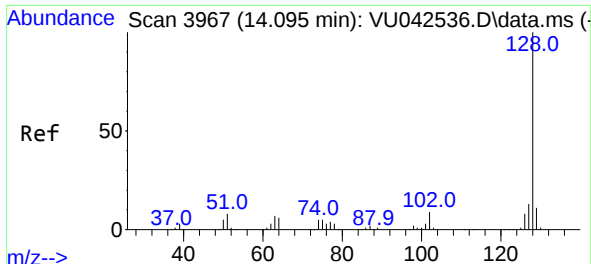
Tgt Ion:225 Resp: 67337  
Ion Ratio Lower Upper  
225 100  
223 61.5 50.2 75.4  
227 61.3 51.4 77.2



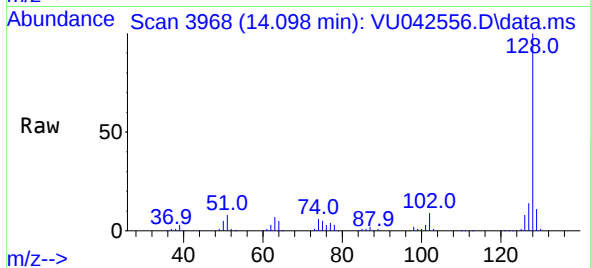
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD01002

Manual Integrations  
APPROVED

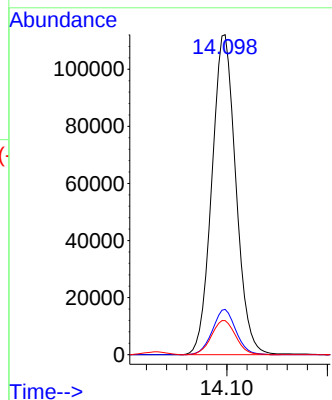
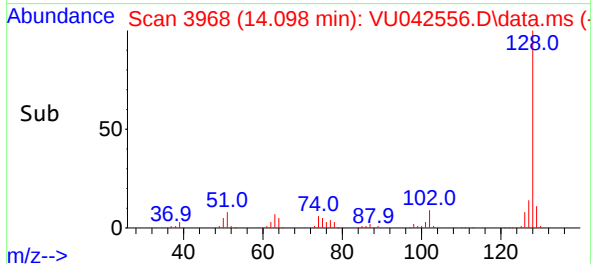
MMDadoda  
3/12/2021 5:15:10 PM



#89  
Naphthalene  
Concen: 8.68 ug/l  
RT: 14.098 min Scan# 3968  
Delta R.T. 0.003 min  
Lab File: VU042556.D  
Acq: 11 Mar 2021 09:47



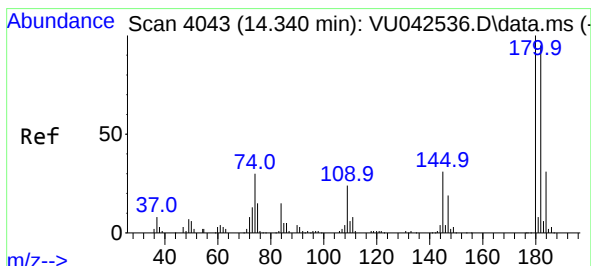
Tgt Ion:128 Resp: 185918  
Ion Ratio Lower Upper  
128 100  
127 13.8 10.9 16.3  
129 10.8 8.9 13.3



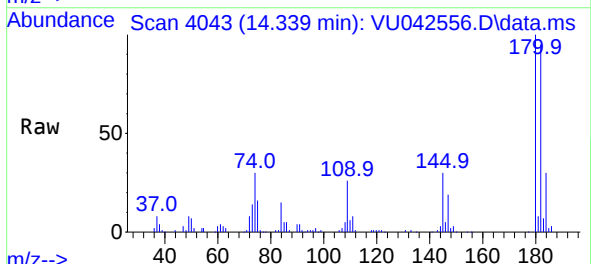
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD01002

Manual Integrations  
APPROVED

MMDadoda  
3/12/2021 5:15:10 PM



#90  
1,2,3-Trichlorobenzene  
Concen: 8.95 ug/l  
RT: 14.339 min Scan# 4043  
Delta R.T. -0.001 min  
Lab File: VU042556.D  
Acq: 11 Mar 2021 09:47



Tgt Ion:180 Resp: 101777  
Ion Ratio Lower Upper  
180 100  
182 96.2 76.2 114.2  
145 30.3 24.2 36.4

