

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL090721\  
 Data File : VL037543.D  
 Acq On : 7 Sep 2021 10:07  
 Operator : SY/AP  
 Sample : VL0907ABS01  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0907ABS01

Manual Integrations  
 APPROVED

MMDadoda  
 9/10/2021 10:48:29 AM

Quant Time: Sep 08 11:10:01 2021

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL081621AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Tue Aug 17 02:13:47 2021

QLast Update : Tue Aug 17 02:13:47 2021

Response via : Initial Calibration

| Compound                | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|--------|------|----------|--------|-------|----------|
| -----                   |        |      |          |        |       |          |
| Internal Standards      |        |      |          |        |       |          |
| 1) Bromochloromethane   | 5.665  | 49   | 1836242  | 10.000 | ppbv  | 0.02     |
| 33) 1,4-Difluorobenzene | 7.173  | 114  | 5477647  | 10.000 | ppbv  | 0.02     |
| 55) Chlorobenzene-d5    | 12.079 | 117  | 4987342m | 10.000 | ppbv  | 0.02     |

#### System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.410 95 3711149 10.474 ppbv 0.02  
 Spiked Amount 10.000 Range 65 - 135 Recovery = 104.700%

#### Target Compounds

|                               |       |     |         |              | Qvalue |
|-------------------------------|-------|-----|---------|--------------|--------|
| 2) Dichlorodifluoromethane    | 3.047 | 85  | 2452737 | 8.325 ppbv   | 98     |
| 3) Chlorodifluoromethane      | 2.986 | 51  | 3123762 | 8.884 ppbv   | 100    |
| 4) Chloromethane              | 3.141 | 50  | 1155703 | 9.198 ppbv   | 95     |
| 5) Vinyl Chloride             | 3.256 | 62  | 1174915 | 9.127 ppbv   | 99     |
| 6) Bromomethane               | 3.469 | 94  | 672367  | 9.535 ppbv   | 91     |
| 7) Chloroethane               | 3.555 | 64  | 418688  | 9.529 ppbv   | 91     |
| 8) Dichlorotetrafluoroethane  | 3.186 | 85  | 2709133 | 8.907 ppbv   | 100    |
| 9) Propene                    | 3.009 | 41  | 1135141 | 9.023 ppbv   | 99     |
| 10) Heptane                   | 8.118 | 43  | 2859149 | 9.873 ppbv   | 98     |
| 11) Trichlorofluoromethane    | 3.951 | 101 | 2485700 | 8.988 ppbv   | 100    |
| 12) 1,1,2-Trichlorotrifluo... | 4.485 | 101 | 1824757 | 8.992 ppbv   | 99     |
| 13) Ethanol                   | 3.610 | 45  | 136155m | 11.122 ppbv  |        |
| 14) Bromoethene               | 3.739 | 108 | 835043  | 9.064 ppbv   | 98     |
| 15) Acetone                   | 3.848 | 43  | 1450099 | 7.760 ppbv   | 99     |
| 16) 1,3-Butadiene             | 3.324 | 39  | 1110147 | 9.261 ppbv   | 99     |
| 17) tert-Butyl alcohol        | 4.282 | 59  | 1559522 | 9.135 ppbv   | 99     |
| 18) 1,1-Dichloroethene        | 4.288 | 96  | 845769  | 9.175 ppbv   | 98     |
| 19) Isopropyl Alcohol         | 3.960 | 45  | 930695  | 8.693 ppbv # | 94     |
| 20) Methylene Chloride        | 4.340 | 84  | 722671  | 7.724 ppbv   | 91     |
| 21) Allyl Chloride            | 4.411 | 41  | 1337874 | 8.814 ppbv   | 94     |
| 22) trans-1,2-Dichloroethene  | 4.883 | 96  | 867273  | 9.430 ppbv   | 96     |
| 23) Vinyl Acetate             | 5.070 | 43  | 2711307 | 9.843 ppbv   | 99     |
| 24) 1,1-Dichloroethane        | 5.009 | 63  | 1711540 | 8.567 ppbv   | 99     |
| 25) Ethyl Acetate             | 5.674 | 43  | 4490980 | 9.466 ppbv   | 99     |
| 26) Hexane                    | 5.684 | 57  | 2112343 | 9.107 ppbv   | 99     |
| 27) Carbon Disulfide          | 4.546 | 76  | 2087140 | 10.097 ppbv  | 99     |
| 28) Methyl tert-Butyl Ether   | 5.031 | 73  | 1852688 | 8.316 ppbv   | 99     |
| 29) Chloroform                | 5.748 | 83  | 3026403 | 9.206 ppbv   | 99     |
| 30) Cyclohexane               | 7.128 | 84  | 1816444 | 9.399 ppbv   | 100    |
| 31) cis-1,2-Dichloroethene    | 5.546 | 61  | 2005437 | 9.553 ppbv   | 98     |
| 32) 1,1,1-Trichloroethane     | 6.510 | 97  | 2915505 | 9.027 ppbv   | 99     |
| 34) 2-Butanone                | 5.243 | 43  | 2007429 | 8.975 ppbv   | 97     |
| 35) Carbon Tetrachloride      | 7.015 | 117 | 3010815 | 9.301 ppbv   | 99     |
| 36) Benzene                   | 6.890 | 78  | 4349354 | 9.445 ppbv   | 99     |
| 37) 1,2-Dichloroethane        | 6.304 | 62  | 2174785 | 9.535 ppbv   | 100    |
| 38) Trichloroethene           | 7.832 | 130 | 1736402 | 9.191 ppbv   | 96     |
| 39) 1,2-Dichloropropane       | 7.610 | 63  | 1657414 | 9.367 ppbv   | 97     |
| 40) 1,4-Dioxane               | 7.825 | 88  | 434056m | 10.013 ppbv  |        |
| 41) Tetrahydrofuran           | 6.044 | 42  | 1044366 | 9.692 ppbv   | 100    |
| 42) Bromodichloromethane      | 7.787 | 83  | 3202098 | 9.601 ppbv   | 96     |
| 43) Methyl Methacrylate       | 8.012 | 69  | 1590436 | 9.910 ppbv   | 100    |
| 44) 2,2,4-Trimethylpentane    | 7.867 | 57  | 7268822 | 9.379 ppbv   | 99     |
| 45) t-1,3-Dichloropropene     | 9.272 | 75  | 1402023 | 11.604 ppbv  | 99     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL090721\  
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 Acq On : 7 Sep 2021 10:07  
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 Sample : VL0907ABS01  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0907ABS01

Manual Integrations  
 APPROVED

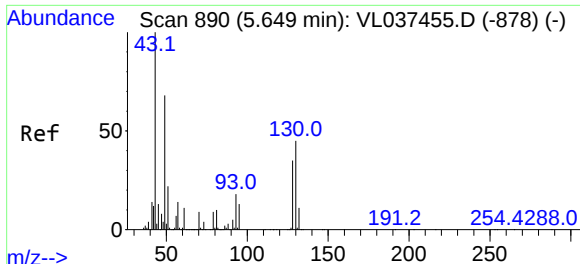
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 9/10/2021 10:48:29 AM

Quant Time: Sep 08 11:10:01 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL081621AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Tue Aug 17 02:13:47 2021  
 QLast Update : Tue Aug 17 02:13:47 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response  | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|-----------|--------|--------|----------|
| 46) cis-1,3-Dichloropropene   | 8.700  | 75   | 1838353   | 10.908 | ppbv   | 97       |
| 47) 1,1,2-Trichloroethane     | 9.472  | 97   | 1777889   | 9.299  | ppbv   | 97       |
| 48) Dibromochloromethane      | 10.298 | 129  | 2770618   | 10.070 | ppbv   | 100      |
| 49) Bromoform                 | 13.037 | 173  | 2180923   | 10.056 | ppbv   | 100      |
| 50) 4-Methyl-2-Pentanone      | 8.738  | 43   | 2906280   | 9.959  | ppbv   | 99       |
| 51) 2-Hexanone                | 10.131 | 43   | 1351941   | 10.072 | ppbv # | 100      |
| 52) Tetrachloroethene         | 11.221 | 164  | 1597165   | 8.464  | ppbv   | 97       |
| 53) Toluene                   | 9.799  | 91   | 5098684   | 9.697  | ppbv   | 99       |
| 54) 1,2-Dibromoethane         | 10.607 | 107  | 2545686   | 9.538  | ppbv   | 99       |
| 56) 1,1,1,2-Tetrachloroethane | 12.121 | 131  | 1907685   | 9.180  | ppbv # | 57       |
| 57) Chlorobenzene             | 12.140 | 112  | 3625760   | 8.760  | ppbv   | 97       |
| 58) Ethyl Benzene             | 12.706 | 91   | 6382405   | 9.222  | ppbv   | 99       |
| 59) m/p-Xylene                | 12.989 | 91   | 10630928m | 17.718 | ppbv   |          |
| 60) o-Xylene                  | 13.690 | 91   | 5053739   | 9.024  | ppbv   | 100      |
| 61) Styrene                   | 13.520 | 104  | 2803806   | 9.638  | ppbv   | 99       |
| 62) Isopropylbenzene          | 14.661 | 105  | 6912571   | 8.746  | ppbv   | 99       |
| 63) 1,1,2,2-Tetrachloroethane | 13.671 | 83   | 3585423   | 8.614  | ppbv   | 98       |
| 64) n-propylbenzene           | 15.555 | 120  | 1868421   | 9.289  | ppbv   | 94       |
| 65) tert-Butylbenzene         | 16.738 | 119  | 6088157   | 8.458  | ppbv   | 99       |
| 66) Benzyl Chloride           | 16.979 | 91   | 421612    | 12.948 | ppbv   | 96       |
| 67) sec-Butylbenzene          | 17.288 | 105  | 8367079   | 8.319  | ppbv   | 99       |
| 69) p-Isopropyltoluene        | 17.645 | 119  | 6979173   | 8.515  | ppbv   | 100      |
| 70) n-Butylbenzene            | 18.539 | 91   | 6807590   | 8.691  | ppbv   | 100      |
| 71) 2-Chlorotoluene           | 15.446 | 91   | 5119852   | 8.834  | ppbv   | 100      |
| 72) 4-Ethyltoluene            | 15.835 | 105  | 6006935   | 9.018  | ppbv   | 100      |
| 73) 1,3,5-Trimethylbenzene    | 15.992 | 105  | 5371540   | 8.663  | ppbv   | 98       |
| 74) 1,2,4-Trimethylbenzene    | 16.757 | 105  | 5516969   | 8.373  | ppbv # | 91       |
| 75) 1,3-Dichlorobenzene       | 16.986 | 146  | 3371279   | 8.501  | ppbv   | 99       |
| 76) 1,4-Dichlorobenzene       | 17.130 | 146  | 3245569   | 8.124  | ppbv   | 97       |
| 77) 1,2-Dichlorobenzene       | 17.809 | 146  | 3211666   | 8.224  | ppbv   | 100      |
| 78) Hexachloro-1,3-Butadiene  | 23.365 | 225  | 2793120   | 8.602  | ppbv   | 99       |
| 79) Naphthalene               | 22.185 | 128  | 5097018   | 11.560 | ppbv   | 96       |
| 80) Naphthalene,2-methyl-     | 24.960 | 142  | 1658965   | 13.505 | ppbv   | 93       |
| 81) 1,2,4-Trichlorobenzene    | 21.915 | 180  | 2857838   | 10.329 | ppbv   | 98       |

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





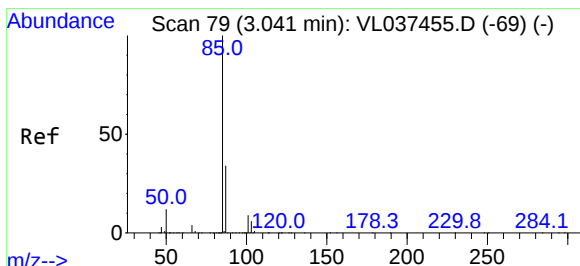
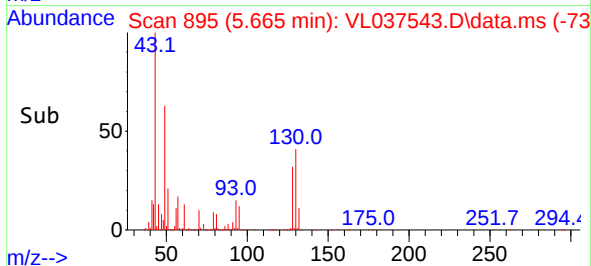
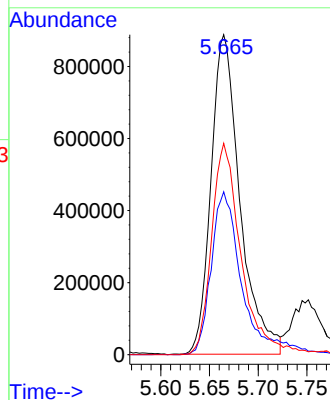
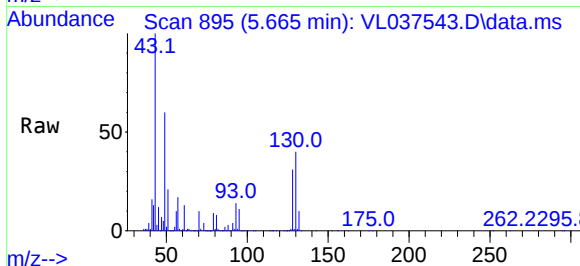
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Bromochloromethane  
Concen: 10.000 ppbv  
RT: 5.665 min Scan# 895  
Delta R.T. 0.016 min  
Lab File: VL037543.D  
Acq: 7 Sep 2021 10:07

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0907ABS01

Tgt Ion: 49 Resp: 1836242  
Ion Ratio Lower Upper  
49 100  
128 55.2 27.5 82.4  
130 68.6 34.0 101.8

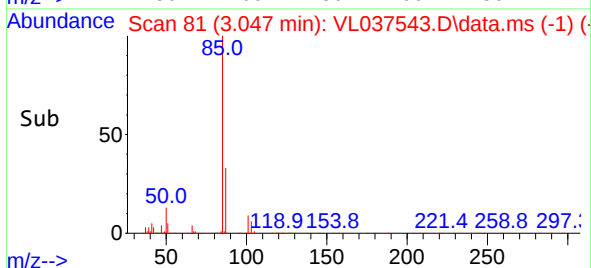
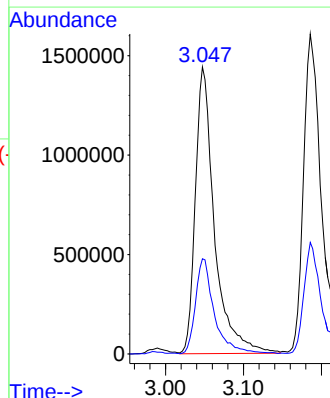
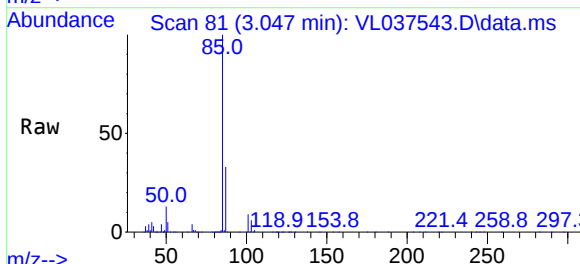
Manual Integrations  
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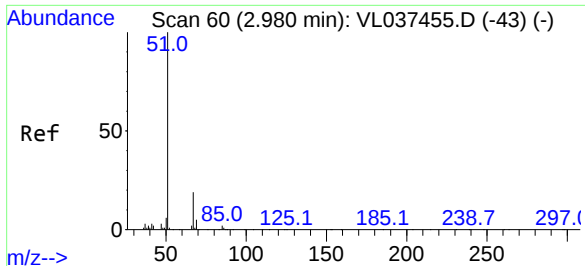
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#2  
Dichlorodifluoromethane  
Concen: 8.325 ppbv  
RT: 3.047 min Scan# 81  
Delta R.T. 0.006 min  
Lab File: VL037543.D  
Acq: 7 Sep 2021 10:07

Tgt Ion: 85 Resp: 2452737  
Ion Ratio Lower Upper  
85 100  
87 33.2 27.6 41.4





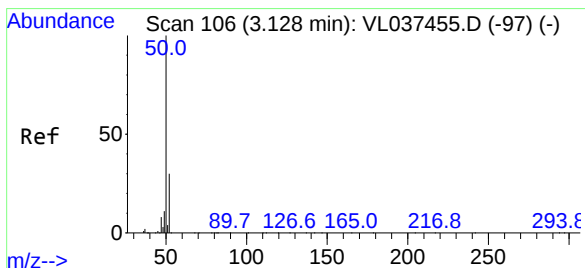
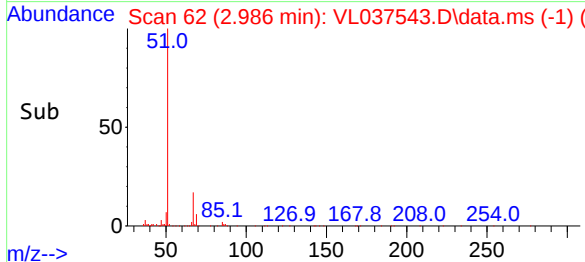
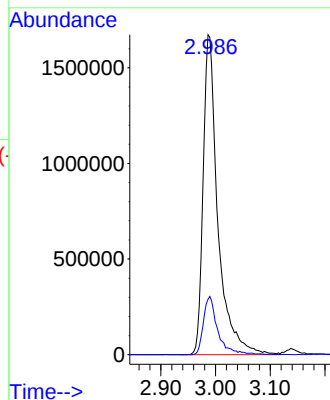
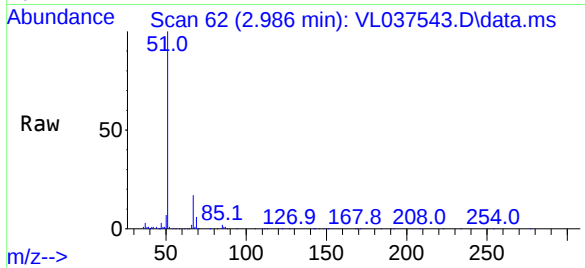
#3  
Chlorodifluoromethane  
Concen: 8.884 ppbv  
RT: 2.986 min Scan# 62  
Delta R.T. 0.006 min  
Lab File: VL037543.D  
Acq: 7 Sep 2021 10:07

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0907ABS01

Tgt Ion: 51 Resp: 3123762  
Ion Ratio Lower Upper  
51 100  
67 17.8 14.2 21.2

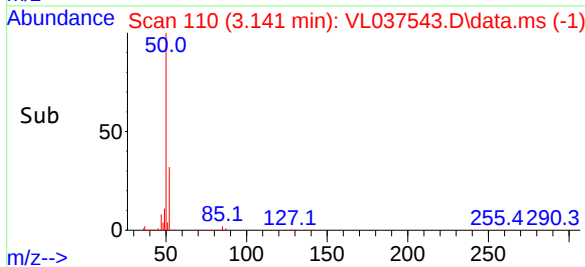
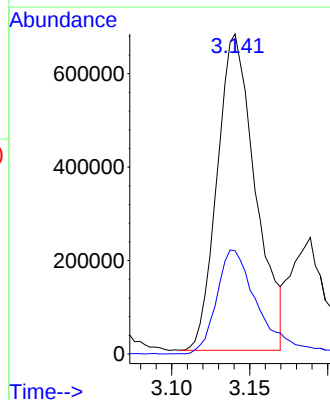
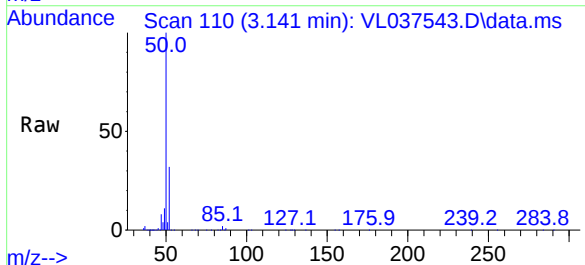
Manual Integrations  
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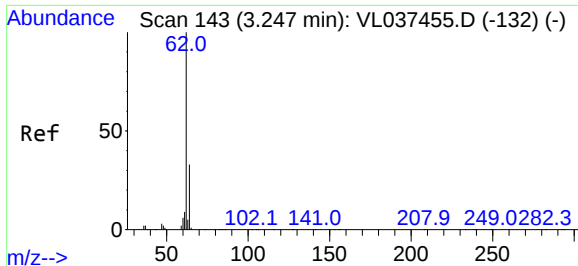
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9/10/2021 10:48:29 AM



#4  
Chloromethane  
Concen: 9.198 ppbv  
RT: 3.141 min Scan# 110  
Delta R.T. 0.013 min  
Lab File: VL037543.D  
Acq: 7 Sep 2021 10:07

Tgt Ion: 50 Resp: 1155703  
Ion Ratio Lower Upper  
50 100  
52 32.5 24.0 36.0





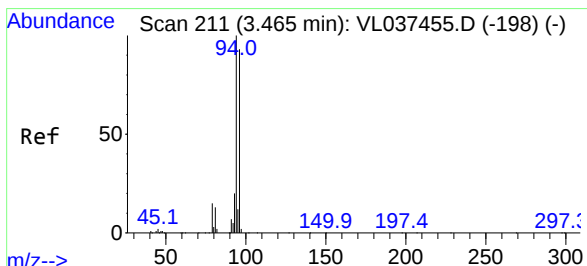
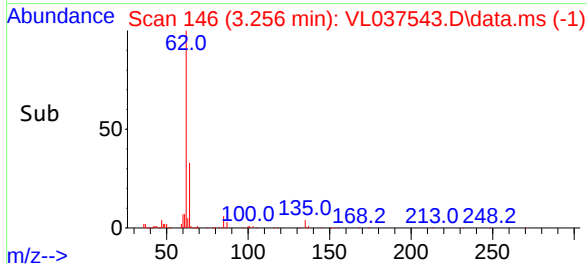
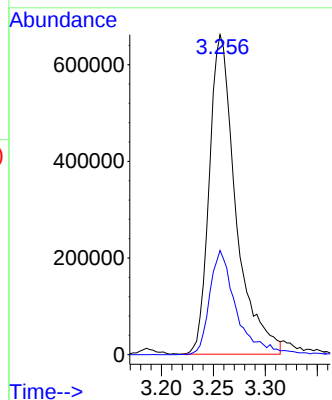
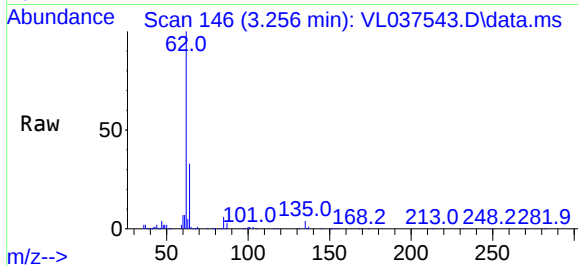
#5  
 Vinyl Chloride  
 Concen: 9.127 ppbv  
 RT: 3.256 min Scan# 146  
 Delta R.T. 0.010 min  
 Lab File: VL037543.D  
 Acq: 7 Sep 2021 10:07

Tgt Ion: 62 Resp: 1174915  
 Ion Ratio Lower Upper  
 62 100  
 64 32.5 26.5 39.7

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0907ABS01

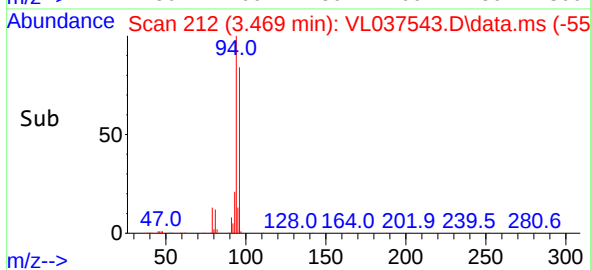
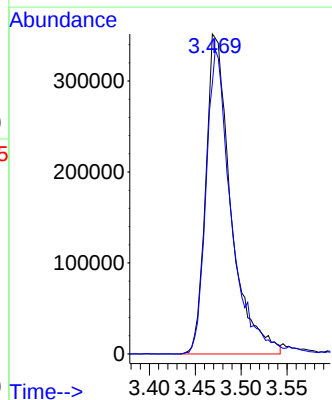
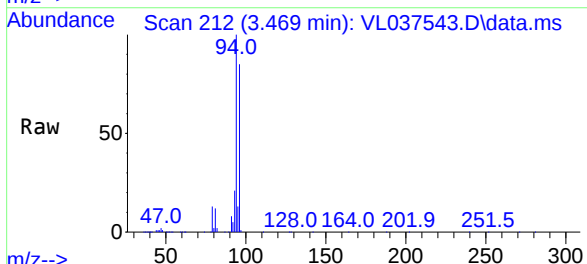
Manual Integrations  
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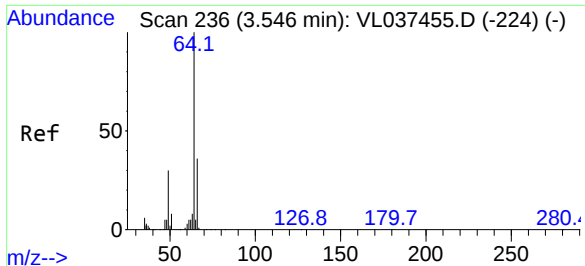
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#6  
 Bromomethane  
 Concen: 9.535 ppbv  
 RT: 3.469 min Scan# 212  
 Delta R.T. 0.003 min  
 Lab File: VL037543.D  
 Acq: 7 Sep 2021 10:07

Tgt Ion: 94 Resp: 672367  
 Ion Ratio Lower Upper  
 94 100  
 96 84.5 74.5 111.7





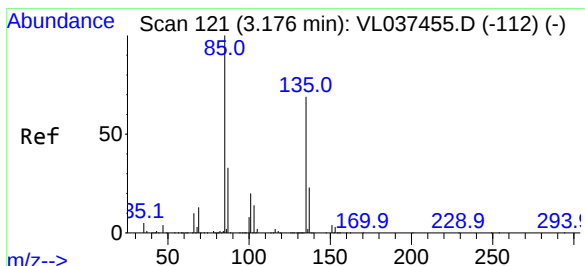
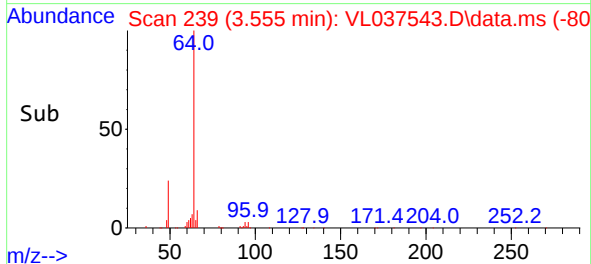
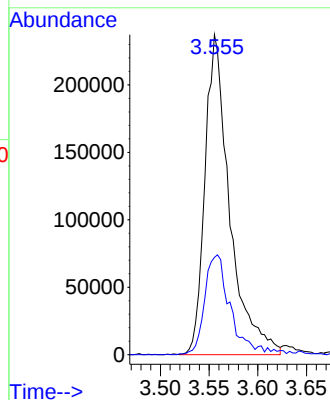
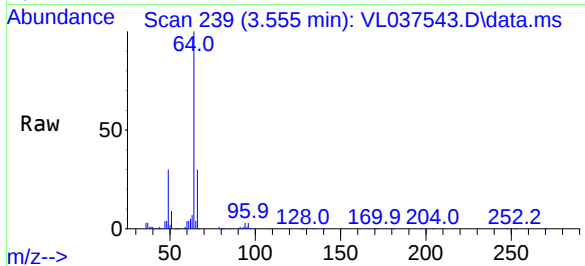
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Chloroethane  
Concen: 9.529 ppbv  
RT: 3.555 min Scan# 239  
Delta R.T. 0.010 min  
Lab File: VL037543.D  
Acq: 7 Sep 2021 10:07

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0907ABS01

Tgt Ion: 64 Resp: 418688  
Ion Ratio Lower Upper  
64 100  
66 30.4 28.6 43.0

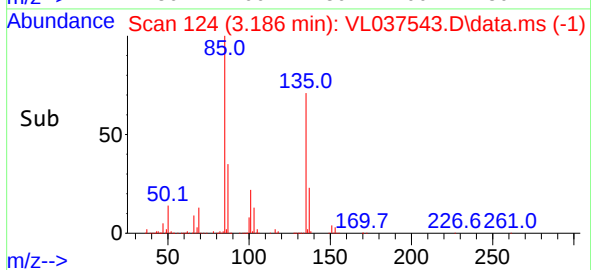
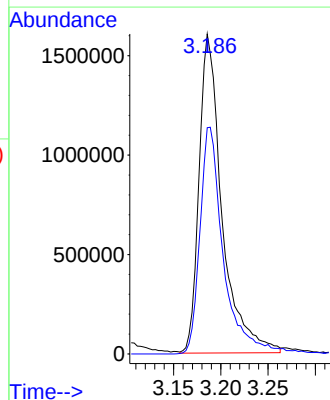
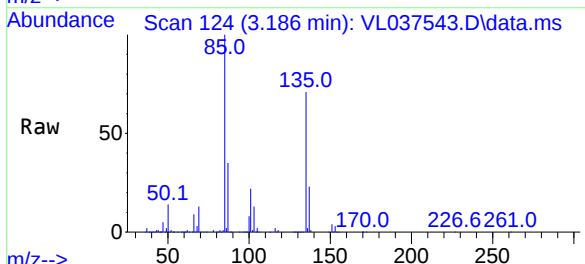
Manual Integrations  
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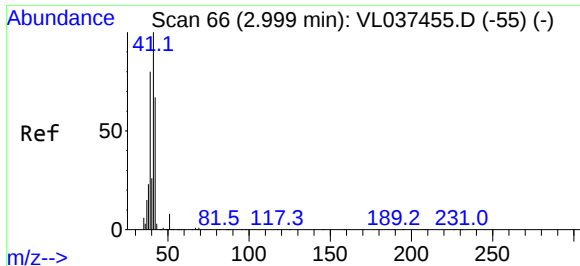
MMDadoda  
9/10/2021 10:48:29 AM



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Dichlorotetrafluoroethane  
Concen: 8.907 ppbv  
RT: 3.186 min Scan# 124  
Delta R.T. 0.010 min  
Lab File: VL037543.D  
Acq: 7 Sep 2021 10:07

Tgt Ion: 85 Resp: 2709133  
Ion Ratio Lower Upper  
85 100  
135 73.7 58.8 88.2





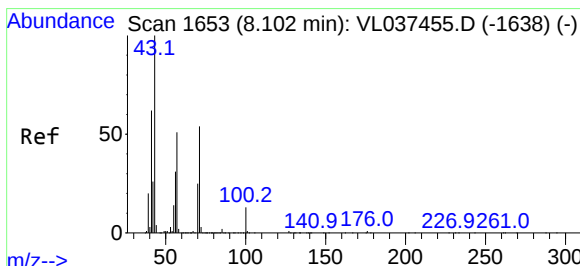
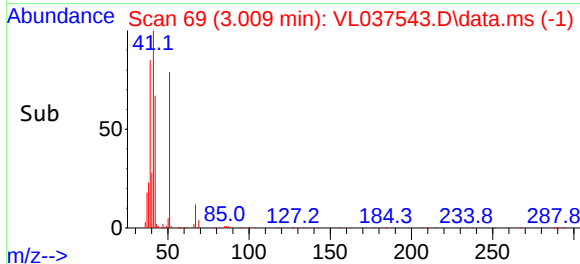
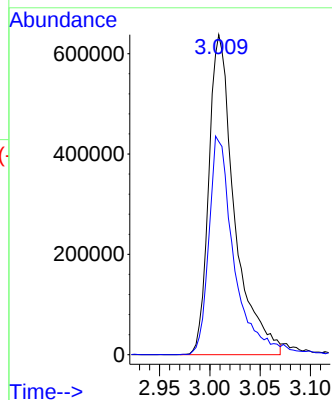
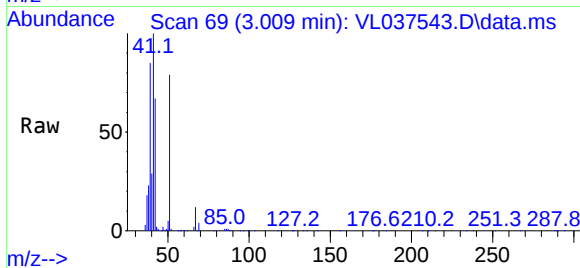
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Propene  
Concen: 9.023 ppbv  
RT: 3.009 min Scan# 69  
Delta R.T. 0.010 min  
Lab File: VL037543.D  
Acq: 7 Sep 2021 10:07

Tgt Ion: 41 Resp: 1135141  
Ion Ratio Lower Upper  
41 100  
42 68.0 53.7 80.5

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0907ABS01

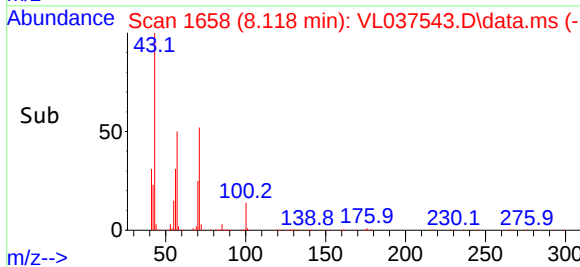
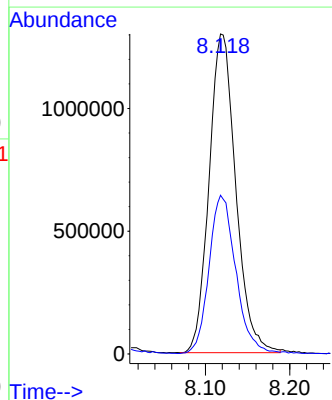
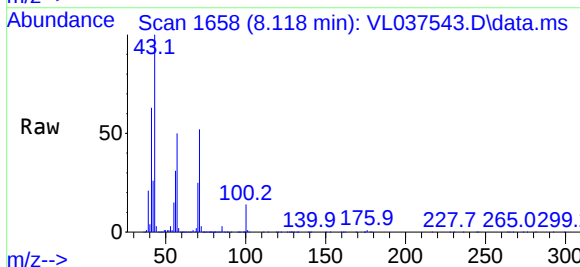
Manual Integrations  
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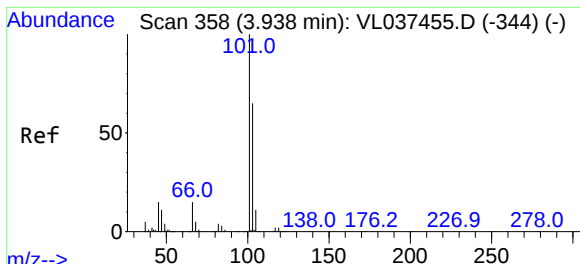
MMDadoda  
9/10/2021 10:48:29 AM



#10  
Heptane  
Concen: 9.873 ppbv  
RT: 8.118 min Scan# 1658  
Delta R.T. 0.016 min  
Lab File: VL037543.D  
Acq: 7 Sep 2021 10:07

Tgt Ion: 43 Resp: 2859149  
Ion Ratio Lower Upper  
43 100  
57 50.0 41.0 61.6





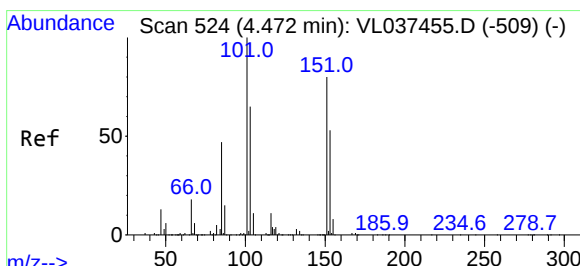
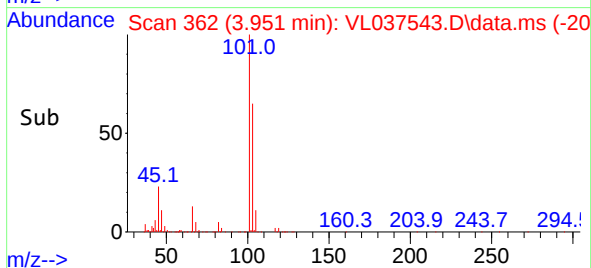
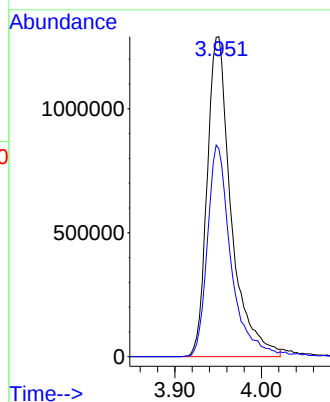
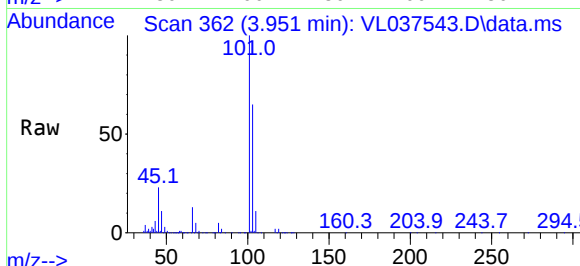
#11  
Trichlorofluoromethane  
Concen: 8.988 ppbv  
RT: 3.951 min Scan# 362  
Delta R.T. 0.013 min  
Lab File: VL037543.D  
Acq: 7 Sep 2021 10:07

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0907ABS01

Tgt Ion:101 Resp: 2485700  
Ion Ratio Lower Upper  
101 100  
103 64.9 51.8 77.6

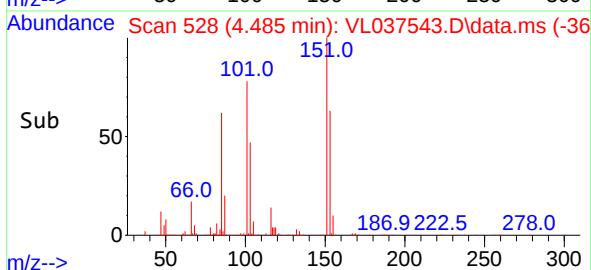
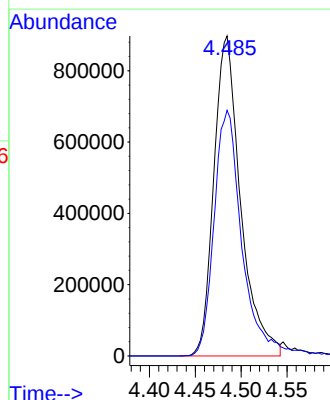
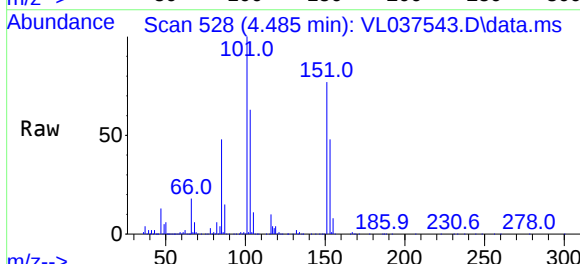
Manual Integrations  
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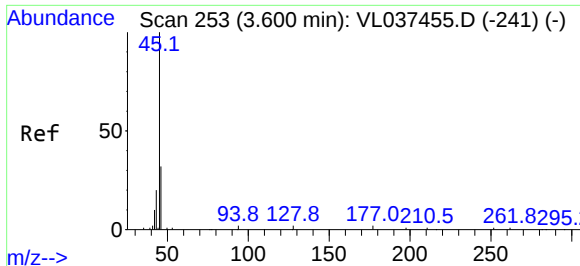
MMDadoda  
9/10/2021 10:48:29 AM



#12  
1,1,2-Trichlorotrifluoroethane  
Concen: 8.992 ppbv  
RT: 4.485 min Scan# 528  
Delta R.T. 0.013 min  
Lab File: VL037543.D  
Acq: 7 Sep 2021 10:07

Tgt Ion:101 Resp: 1824757  
Ion Ratio Lower Upper  
101 100  
151 80.9 63.7 95.5





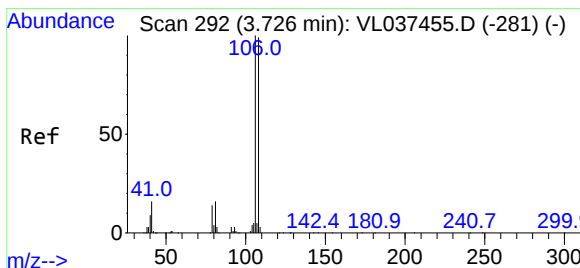
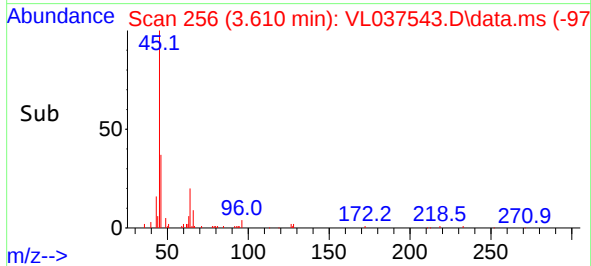
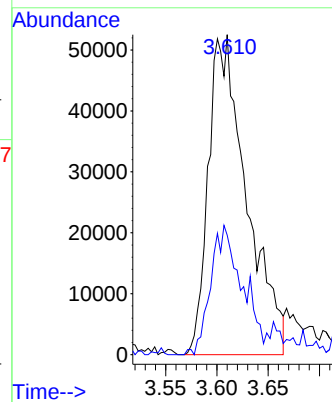
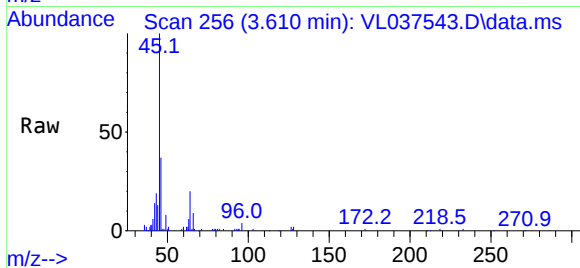
#13  
Ethanol  
Concen: 11.122 ppbv m  
RT: 3.610 min Scan# 256  
Delta R.T. 0.010 min  
Lab File: VL037543.D  
Acq: 7 Sep 2021 10:07

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0907ABS01

Tgt Ion: 45 Resp: 136155  
Ion Ratio Lower Upper  
45 100  
46 40.9 14.1 56.5

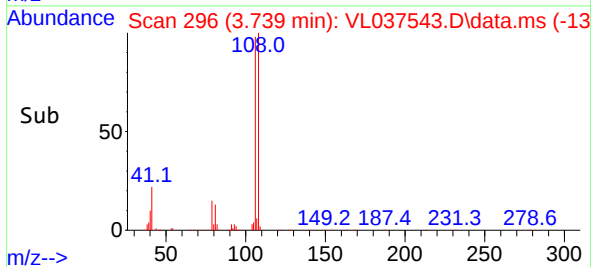
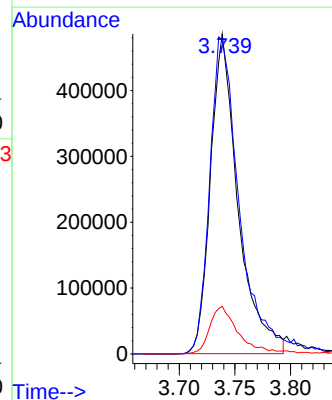
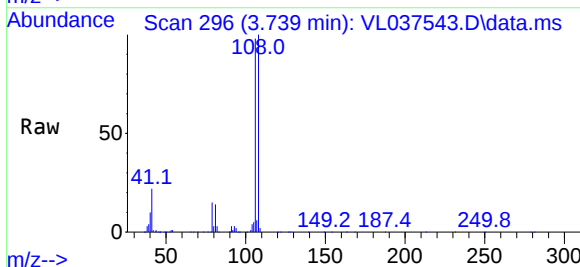
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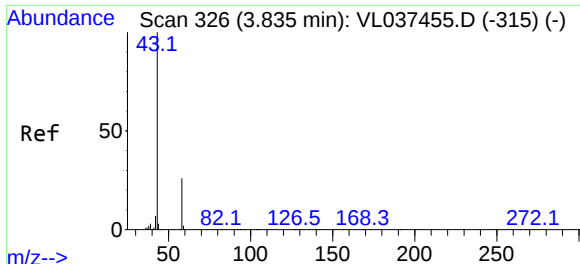
MMDadoda  
9/10/2021 10:48:29 AM



#14  
Bromoethene  
Concen: 9.064 ppbv  
RT: 3.739 min Scan# 296  
Delta R.T. 0.013 min  
Lab File: VL037543.D  
Acq: 7 Sep 2021 10:07

Tgt Ion: 108 Resp: 835043  
Ion Ratio Lower Upper  
108 100  
106 110.0 85.8 128.8  
79 16.4 12.6 18.8





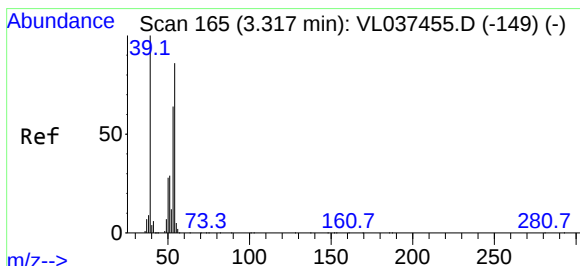
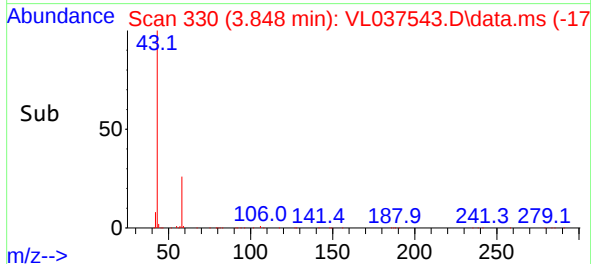
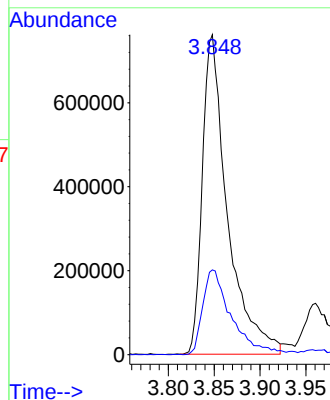
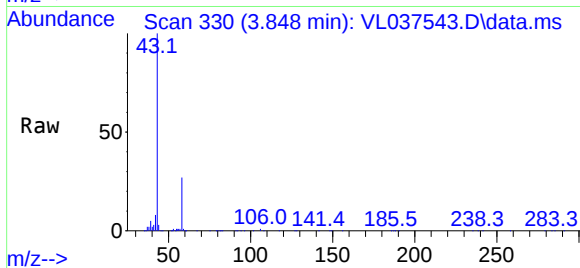
#15  
Acetone  
Concen: 7.760 ppbv  
RT: 3.848 min Scan# 330  
Delta R.T. 0.013 min  
Lab File: VL037543.D  
Acq: 7 Sep 2021 10:07

Tgt Ion: 43 Resp: 1450099  
Ion Ratio Lower Upper  
43 100  
58 30.6 24.8 37.2

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0907ABS01

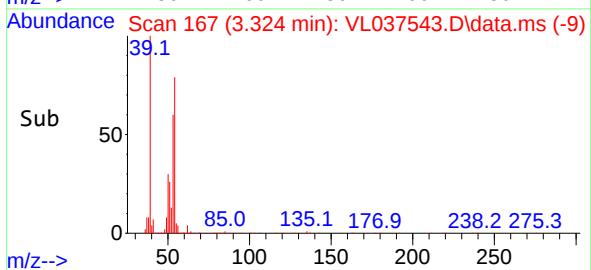
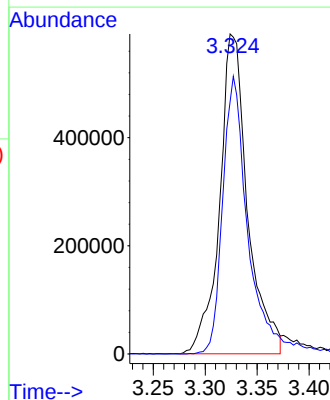
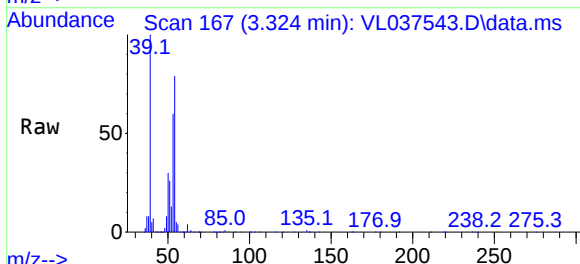
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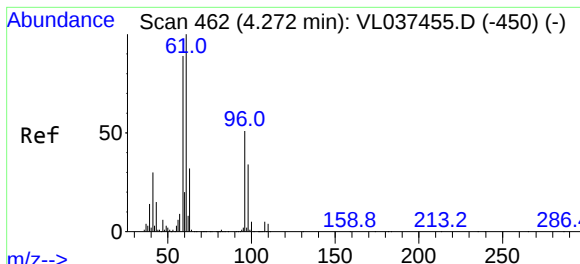
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#16  
1,3-Butadiene  
Concen: 9.261 ppbv  
RT: 3.324 min Scan# 167  
Delta R.T. 0.006 min  
Lab File: VL037543.D  
Acq: 7 Sep 2021 10:07

Tgt Ion: 39 Resp: 1110147  
Ion Ratio Lower Upper  
39 100  
54 80.3 63.7 95.5





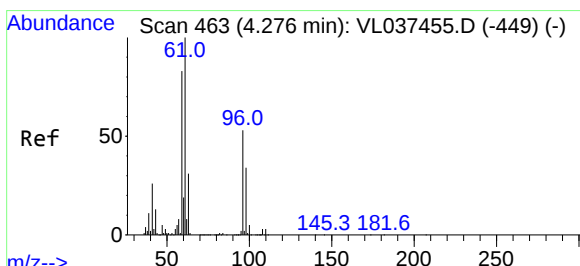
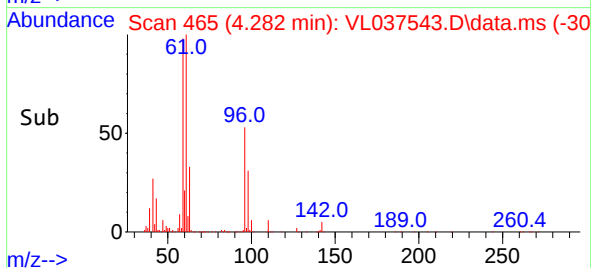
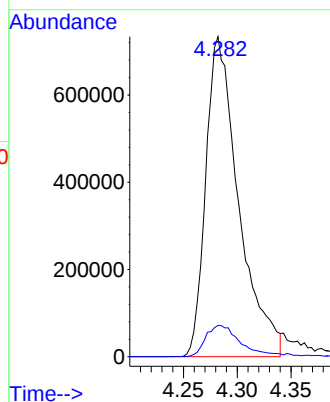
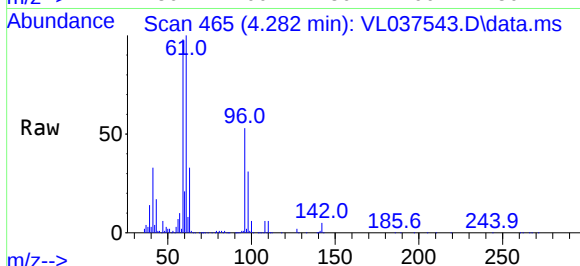
#17  
tert-Butyl alcohol  
Concen: 9.135 ppbv  
RT: 4.282 min Scan# 465  
Delta R.T. 0.010 min  
Lab File: VL037543.D  
Acq: 7 Sep 2021 10:07

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0907ABS01

Tgt Ion: 59 Resp: 1559522  
Ion Ratio Lower Upper  
59 100  
57 10.9 8.3 12.5

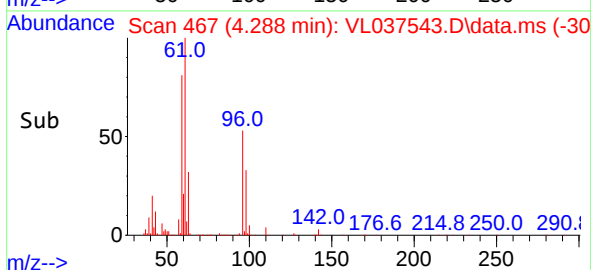
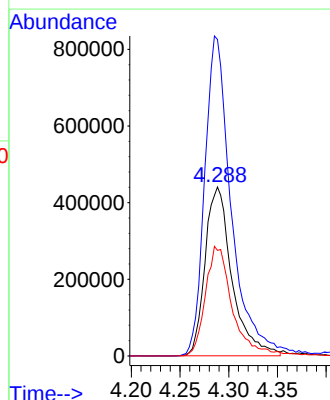
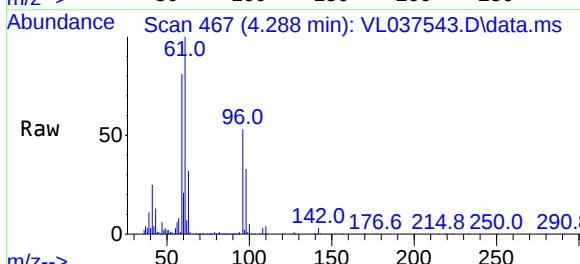
Manual Integrations  
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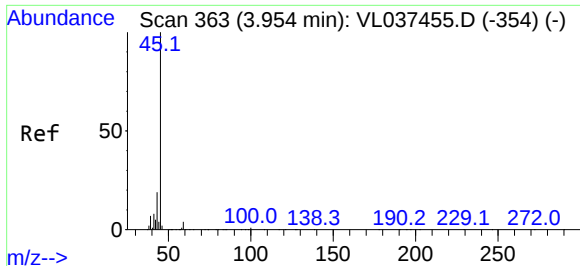
MMDadoda  
9/10/2021 10:48:29 AM



#18  
1,1-Dichloroethene  
Concen: 9.175 ppbv  
RT: 4.288 min Scan# 467  
Delta R.T. 0.013 min  
Lab File: VL037543.D  
Acq: 7 Sep 2021 10:07

Tgt Ion: 96 Resp: 845769  
Ion Ratio Lower Upper  
96 100  
61 187.2 151.1 226.7  
98 62.5 51.8 77.8





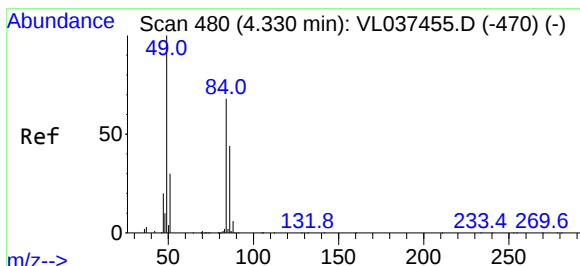
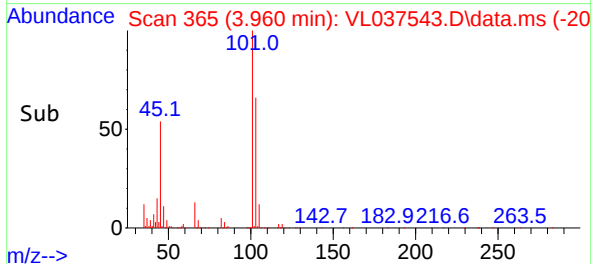
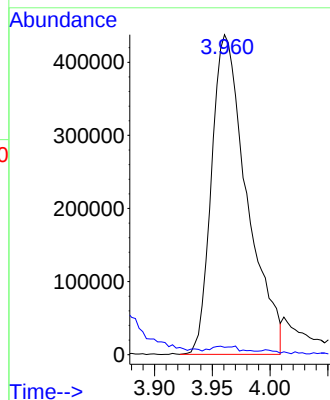
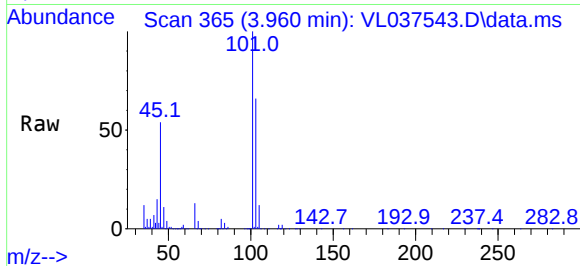
#19  
Isopropyl Alcohol  
Concen: 8.693 ppbv  
RT: 3.960 min Scan# 365  
Delta R.T. 0.006 min  
Lab File: VL037543.D  
Acq: 7 Sep 2021 10:07

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0907ABS01

Tgt Ion: 45 Resp: 930695  
Ion Ratio Lower Upper  
45 100  
58 4.0 1.4 2.2#

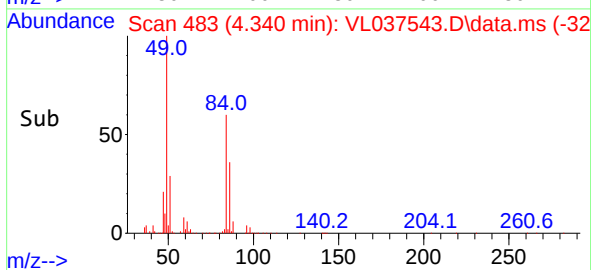
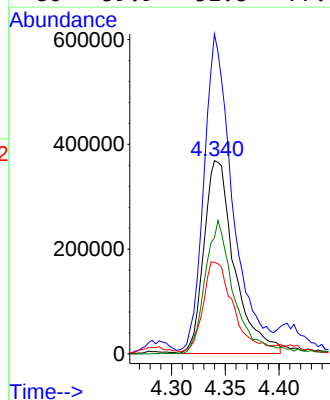
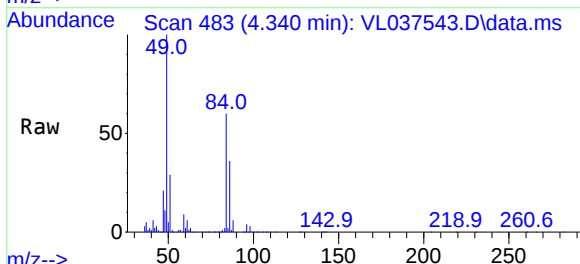
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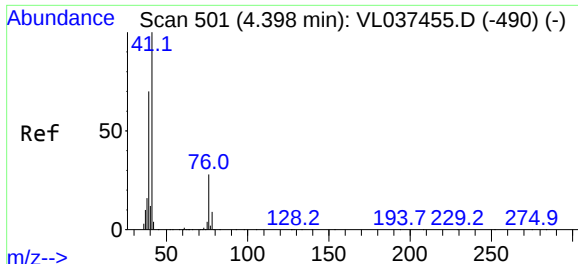
MMDadoda  
9/10/2021 10:48:29 AM



#20  
Methylene Chloride  
Concen: 7.724 ppbv  
RT: 4.340 min Scan# 483  
Delta R.T. 0.010 min  
Lab File: VL037543.D  
Acq: 7 Sep 2021 10:07

Tgt Ion: 84 Resp: 722671  
Ion Ratio Lower Upper  
84 100  
49 163.8 118.2 177.2  
51 46.5 36.6 55.0  
86 59.9 51.8 77.6





#21  
 Allyl Chloride  
 Concen: 8.814 ppbv  
 RT: 4.411 min Scan# 505  
 Delta R.T. 0.013 min  
 Lab File: VL037543.D  
 Acq: 7 Sep 2021 10:07

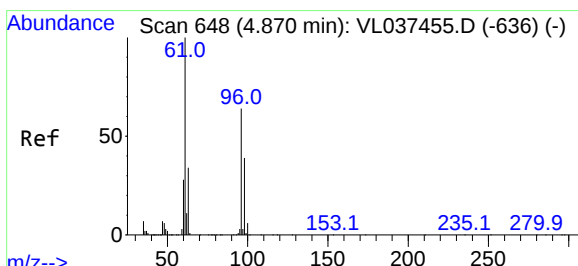
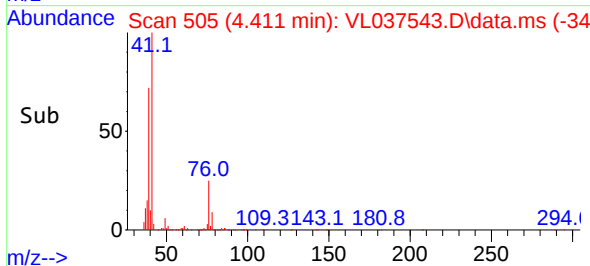
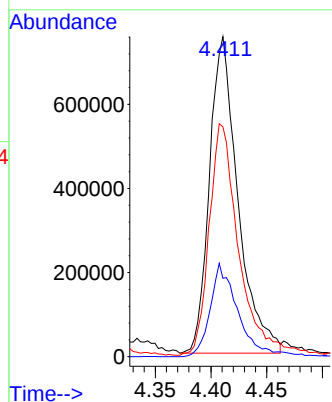
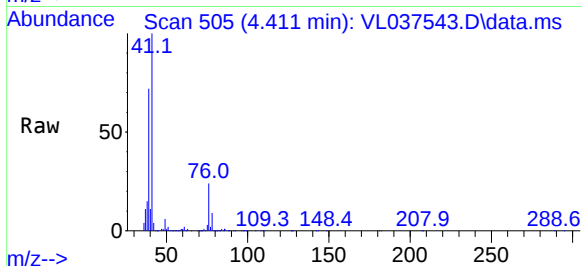
Instrument :  
 MSVOA\_L  
 ClientSampleID :  
 VL0907ABS01

Tgt Ion: 41 Resp: 1337874

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 76  | 29.1  | 21.8  | 32.6  |
| 39  | 76.9  | 56.8  | 85.2  |

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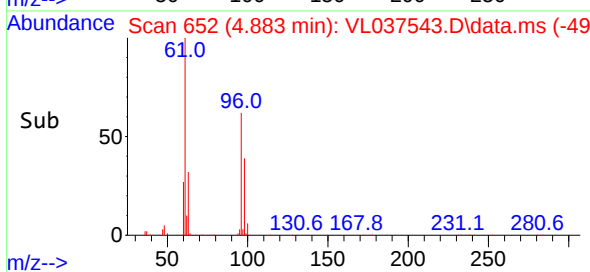
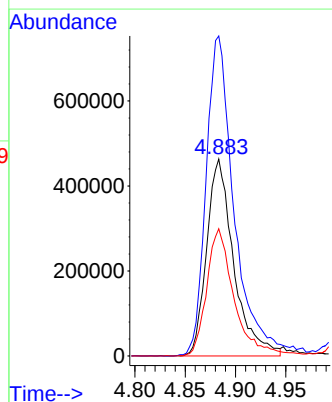
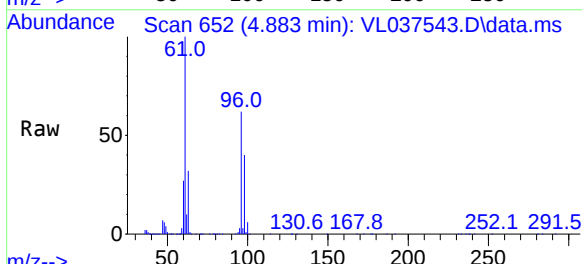
MMDadoda  
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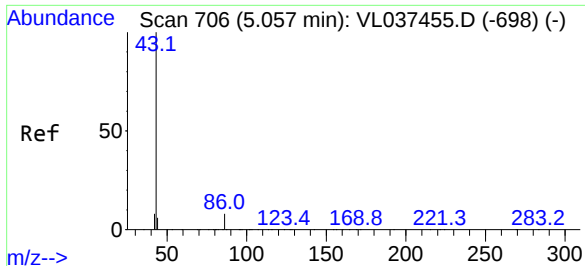


#22  
 trans-1,2-Dichloroethene  
 Concen: 9.430 ppbv  
 RT: 4.883 min Scan# 652  
 Delta R.T. 0.013 min  
 Lab File: VL037543.D  
 Acq: 7 Sep 2021 10:07

Tgt Ion: 96 Resp: 867273

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 161.9 | 125.5 | 188.3 |
| 98  | 64.5  | 49.0  | 73.4  |





#23  
 Vinyl Acetate  
 Concen: 9.843 ppbv  
 RT: 5.070 min Scan# 710  
 Delta R.T. 0.013 min  
 Lab File: VL037543.D  
 Acq: 7 Sep 2021 10:07

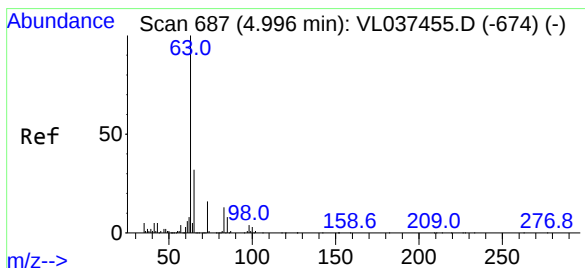
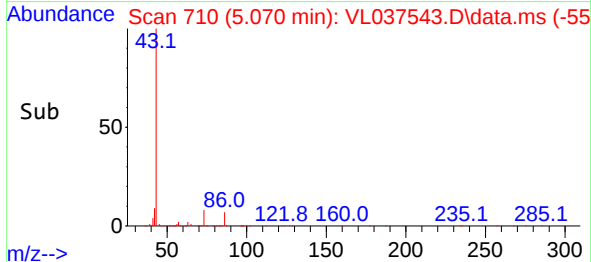
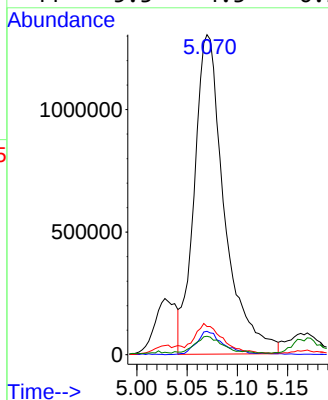
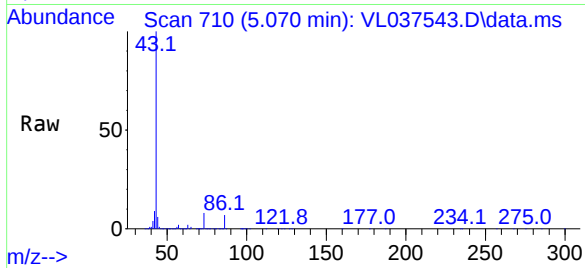
Tgt Ion: 43 Resp: 2711307

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 86  | 7.4   | 5.7   | 8.5   |
| 42  | 8.6   | 7.4   | 11.2  |
| 44  | 5.3   | 4.3   | 6.5   |

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0907ABS01

Manual Integrations  
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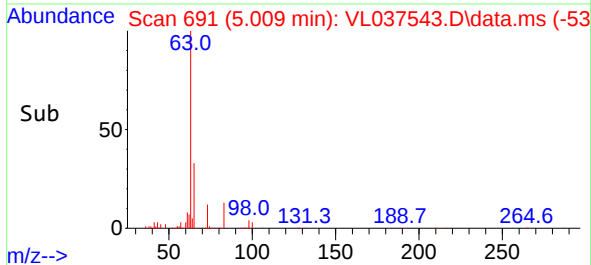
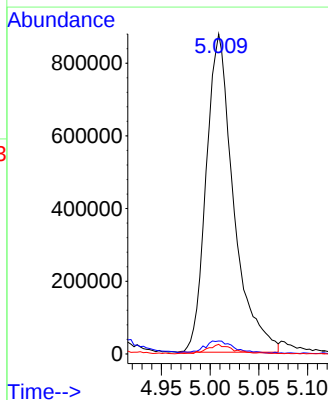
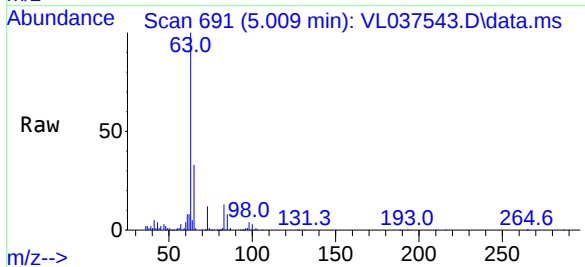
MMDadoda  
 9/10/2021 10:48:29 AM

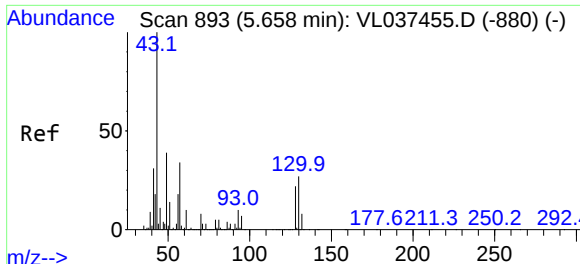


#24  
 1,1-Dichloroethane  
 Concen: 8.567 ppbv  
 RT: 5.009 min Scan# 691  
 Delta R.T. 0.013 min  
 Lab File: VL037543.D  
 Acq: 7 Sep 2021 10:07

Tgt Ion: 63 Resp: 1711540

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 98  | 3.8   | 2.1   | 6.3   |
| 100 | 2.9   | 1.6   | 4.7   |





#25  
Ethyl Acetate  
Concen: 9.466 ppbv  
RT: 5.674 min Scan# 898  
Delta R.T. 0.016 min  
Lab File: VL037543.D  
Acq: 7 Sep 2021 10:07

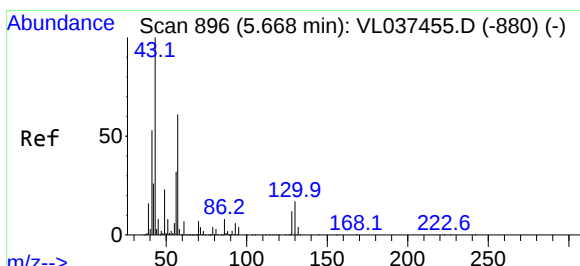
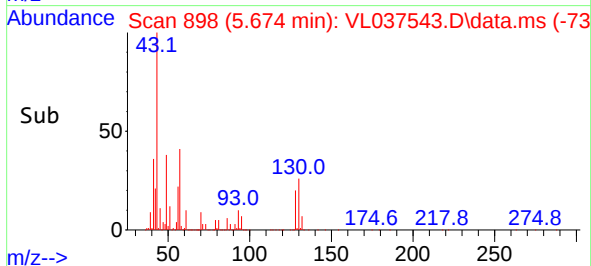
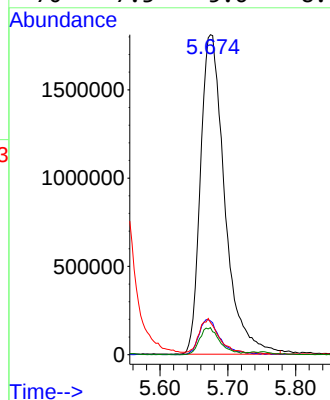
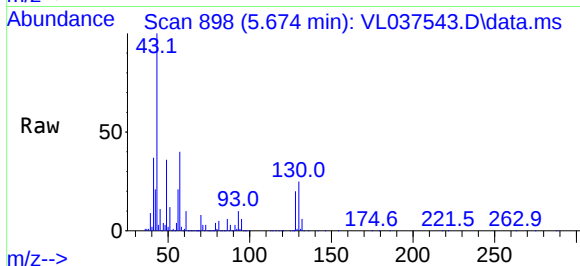
Tgt Ion: 43 Resp: 4490980

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 45  | 9.7   | 8.0   | 12.0  |
| 61  | 9.7   | 8.0   | 12.0  |
| 70  | 7.3   | 5.6   | 8.4   |

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0907ABS01

Manual Integrations  
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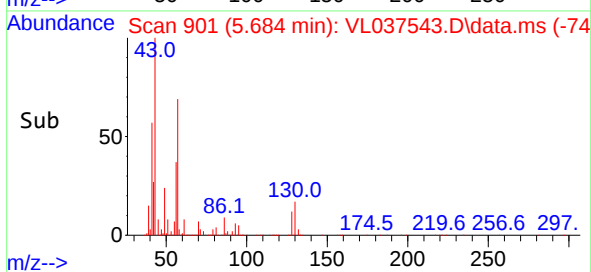
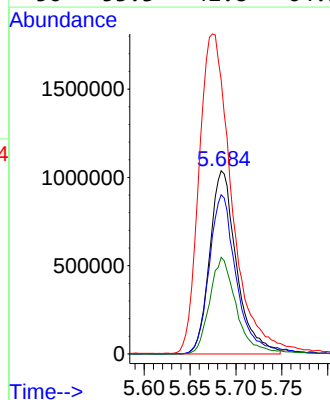
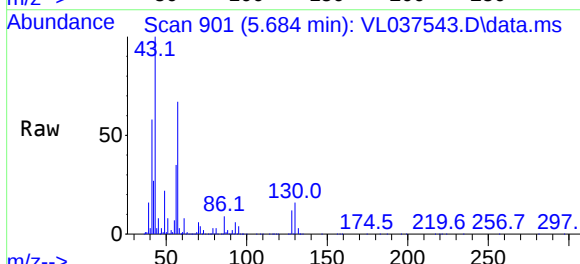
MMDadoda  
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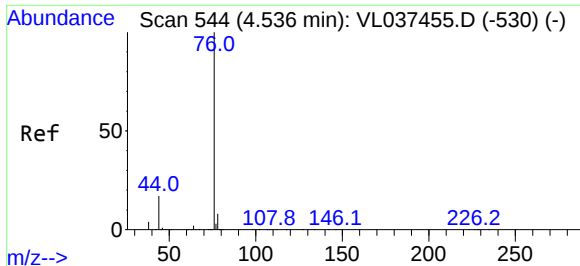


#26  
Hexane  
Concen: 9.107 ppbv  
RT: 5.684 min Scan# 901  
Delta R.T. 0.016 min  
Lab File: VL037543.D  
Acq: 7 Sep 2021 10:07

Tgt Ion: 57 Resp: 2112343

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 57  | 100   |       |       |
| 41  | 89.4  | 72.3  | 108.5 |
| 43  | 214.3 | 172.3 | 258.5 |
| 56  | 53.3  | 42.8  | 64.2  |





#27  
Carbon Disulfide  
Concen: 10.097 ppbv  
RT: 4.546 min Scan# 547  
Delta R.T. 0.010 min  
Lab File: VL037543.D  
Acq: 7 Sep 2021 10:07

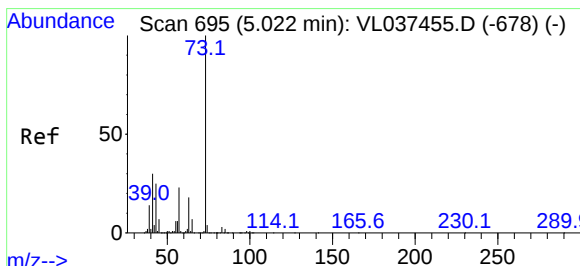
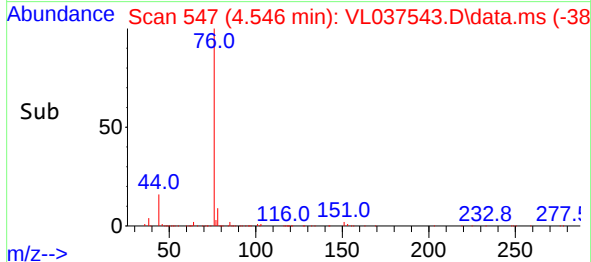
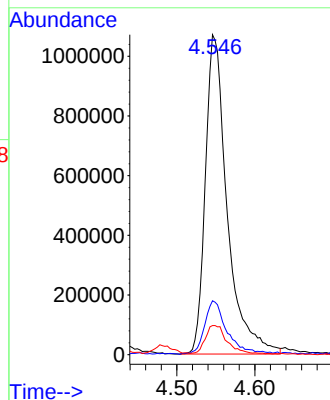
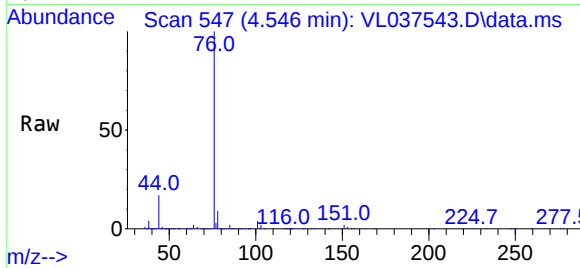
Tgt Ion: 76 Resp: 2087140

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 76  | 100   |       |       |
| 44  | 17.1  | 13.9  | 20.9  |
| 78  | 9.9   | 7.9   | 11.9  |

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0907ABS01

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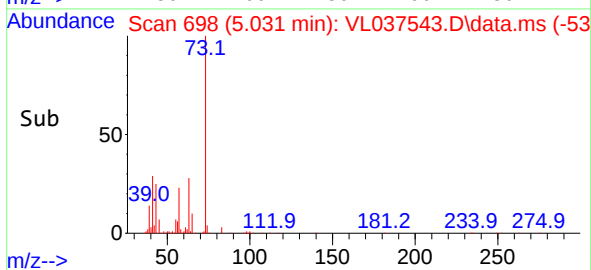
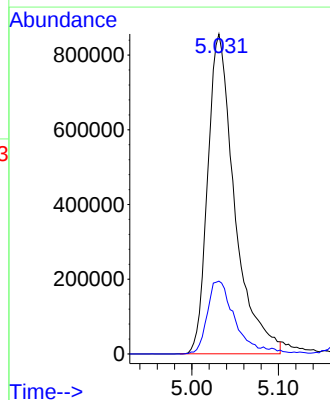
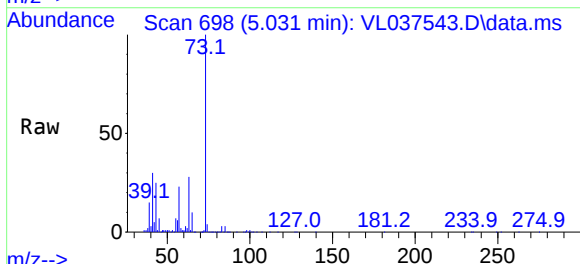
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9/10/2021 10:48:29 AM

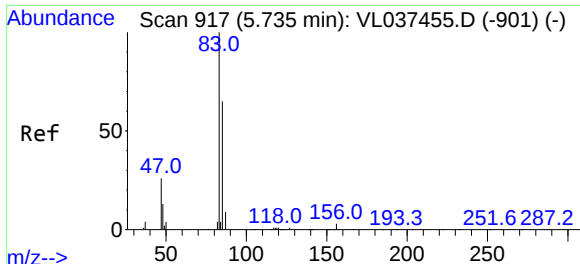


#28  
Methyl tert-Butyl Ether  
Concen: 8.316 ppbv  
RT: 5.031 min Scan# 698  
Delta R.T. 0.010 min  
Lab File: VL037543.D  
Acq: 7 Sep 2021 10:07

Tgt Ion: 73 Resp: 1852688

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 73  | 100   |       |       |
| 57  | 24.0  | 19.4  | 29.2  |





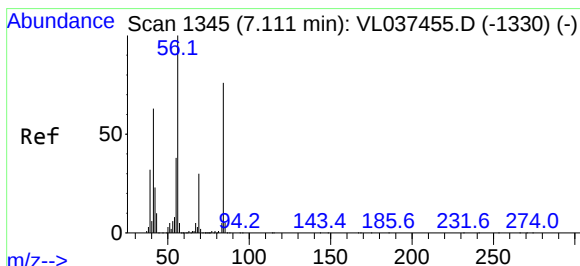
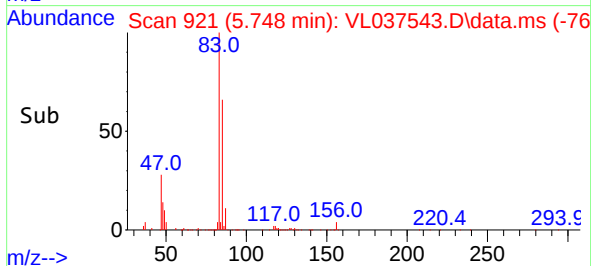
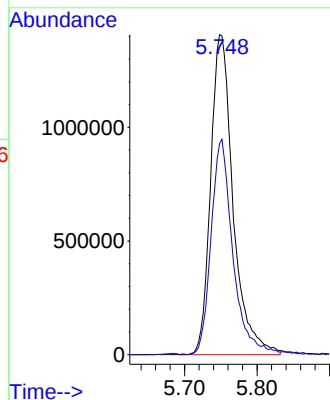
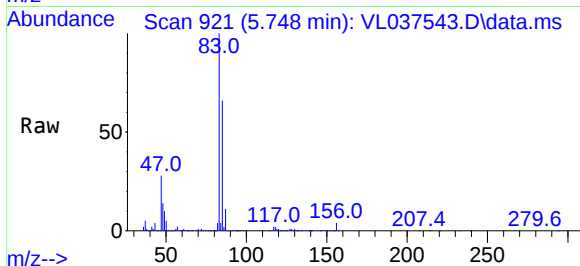
#29  
Chloroform  
Concen: 9.206 ppbv  
RT: 5.748 min Scan# 921  
Delta R.T. 0.013 min  
Lab File: VL037543.D  
Acq: 7 Sep 2021 10:07

Tgt Ion: 83 Resp: 3026403  
Ion Ratio Lower Upper  
83 100  
85 65.9 52.3 78.5

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0907ABS01

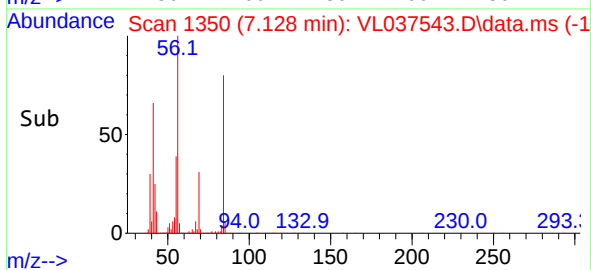
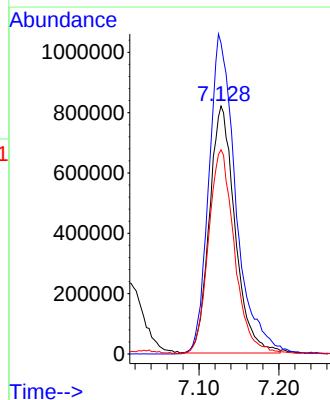
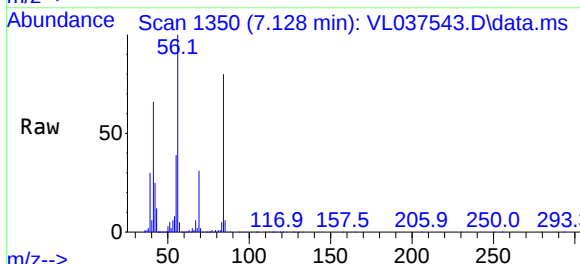
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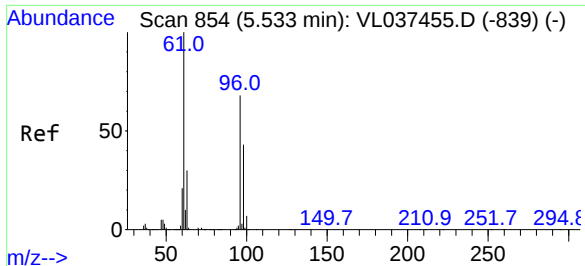
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#30  
Cyclohexane  
Concen: 9.399 ppbv  
RT: 7.128 min Scan# 1350  
Delta R.T. 0.016 min  
Lab File: VL037543.D  
Acq: 7 Sep 2021 10:07

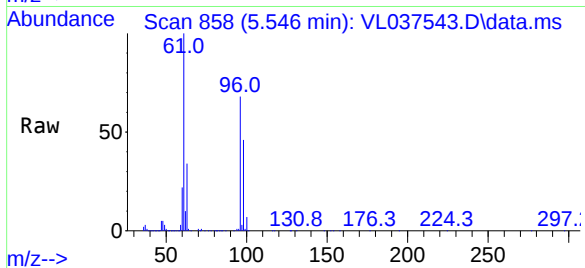
Tgt Ion: 84 Resp: 1816444  
Ion Ratio Lower Upper  
84 100  
56 137.9 110.6 165.8  
41 83.9 67.0 100.6





#31  
cis-1,2-Dichloroethene  
Concen: 9.553 ppbv  
RT: 5.546 min Scan# 858  
Delta R.T. 0.013 min  
Lab File: VL037543.D  
Acq: 7 Sep 2021 10:07

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0907ABS01

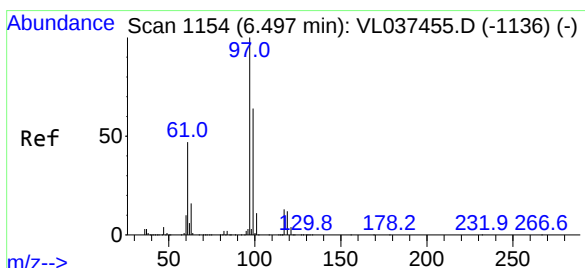
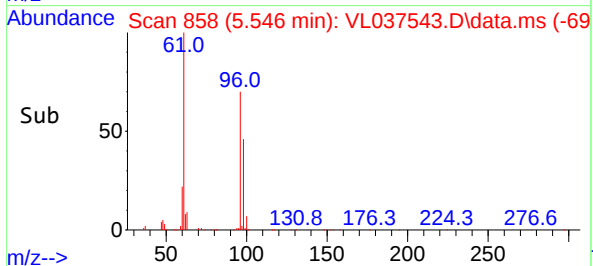
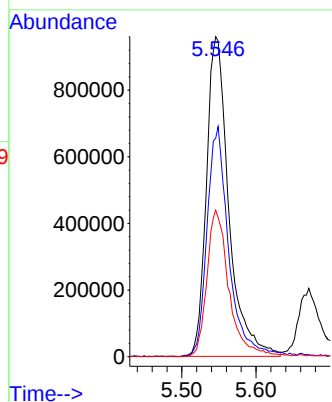


Tgt Ion: 61 Resp: 2005437

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 61  | 100   |       |       |
| 96  | 68.4  | 54.8  | 82.2  |
| 98  | 45.8  | 34.2  | 51.2  |

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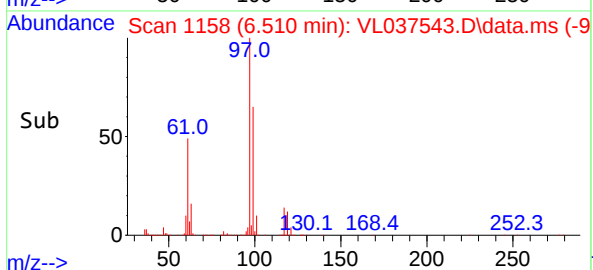
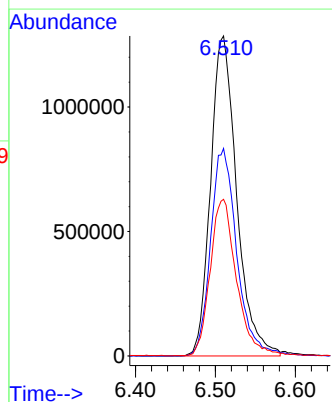
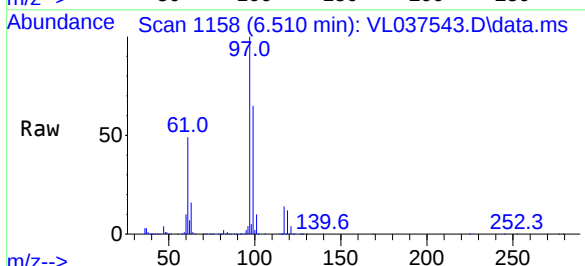
MMDadoda  
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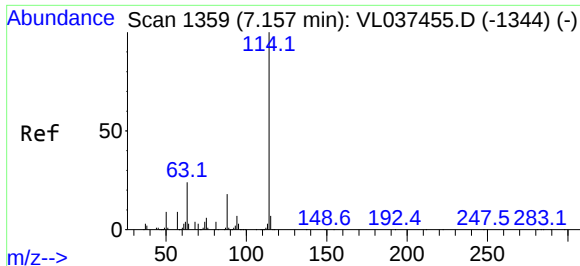


#32  
1,1,1-Trichloroethane  
Concen: 9.027 ppbv  
RT: 6.510 min Scan# 1158  
Delta R.T. 0.013 min  
Lab File: VL037543.D  
Acq: 7 Sep 2021 10:07

Tgt Ion: 97 Resp: 2915505

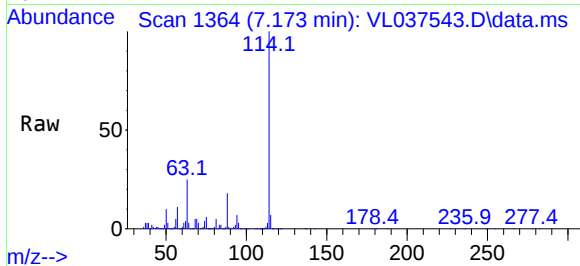
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 65.5  | 51.8  | 77.6  |
| 61  | 49.8  | 39.6  | 59.4  |





#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 7.173 min Scan# 1364  
Delta R.T. 0.016 min  
Lab File: VL037543.D  
Acq: 7 Sep 2021 10:07

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0907ABS01

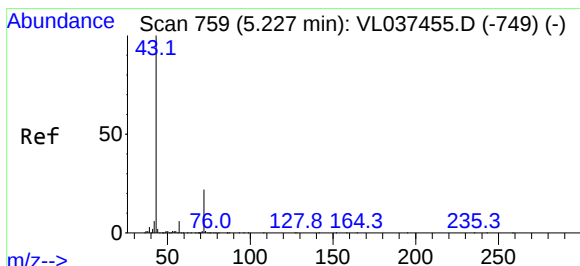
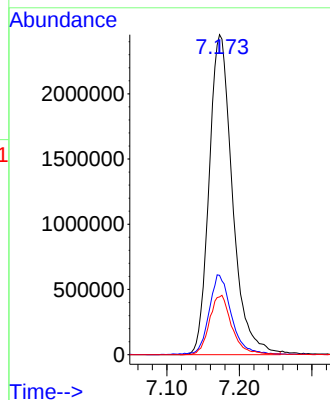
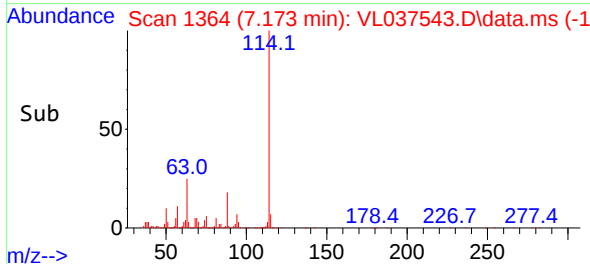


Tgt Ion:114 Resp: 5477647

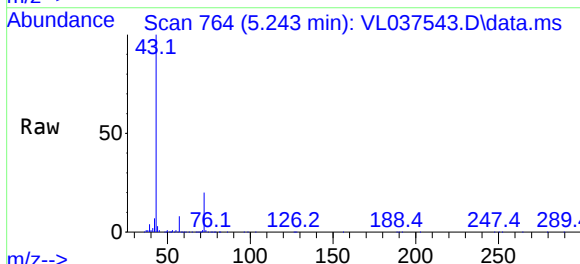
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 24.3  | 19.3  | 28.9  |
| 88  | 18.0  | 14.2  | 21.4  |

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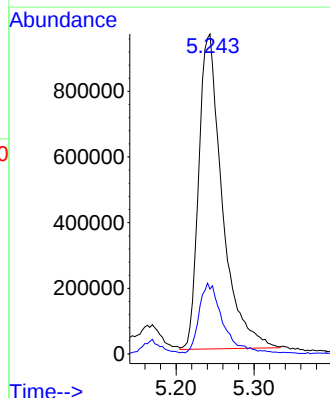
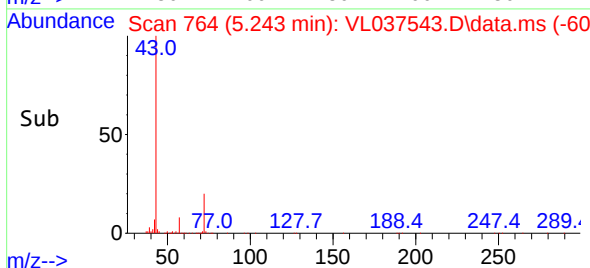


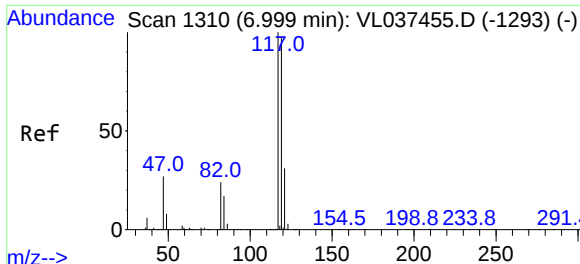
#34  
2-Butanone  
Concen: 8.975 ppbv  
RT: 5.243 min Scan# 764  
Delta R.T. 0.016 min  
Lab File: VL037543.D  
Acq: 7 Sep 2021 10:07



Tgt Ion: 43 Resp: 2007429

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 72  | 23.2  | 17.4  | 26.0  |





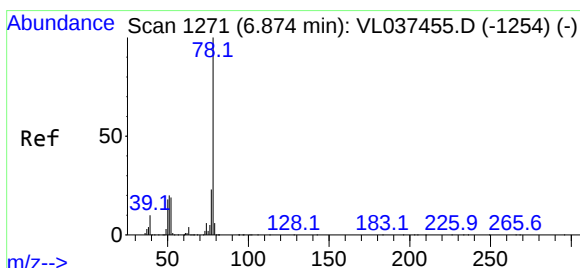
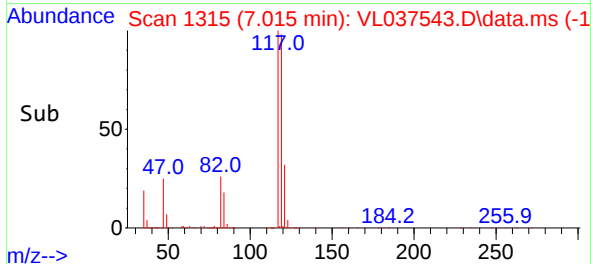
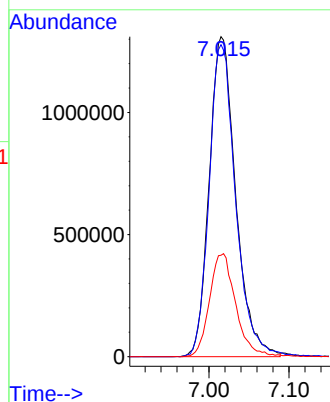
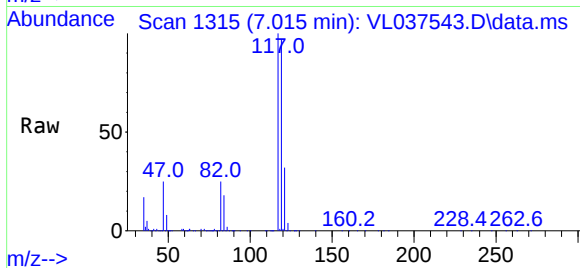
#35  
Carbon Tetrachloride  
Concen: 9.301 ppbv  
RT: 7.015 min Scan# 1315  
Delta R.T. 0.016 min  
Lab File: VL037543.D  
Acq: 7 Sep 2021 10:07

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0907ABS01

Tgt Ion: 117 Resp: 3010815  
Ion Ratio Lower Upper  
117 100  
119 97.5 77.3 115.9  
121 31.7 25.2 37.8

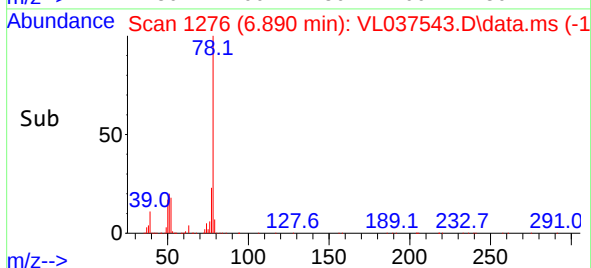
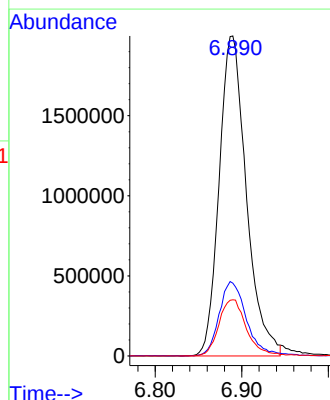
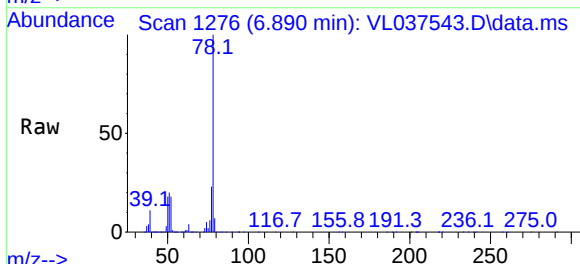
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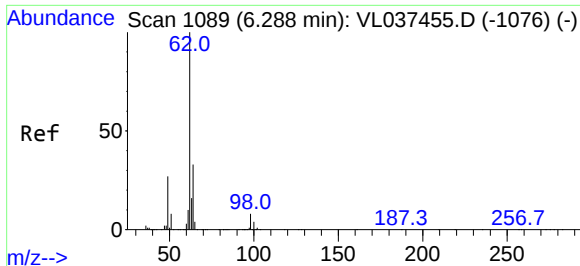
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#36  
Benzene  
Concen: 9.445 ppbv  
RT: 6.890 min Scan# 1276  
Delta R.T. 0.016 min  
Lab File: VL037543.D  
Acq: 7 Sep 2021 10:07

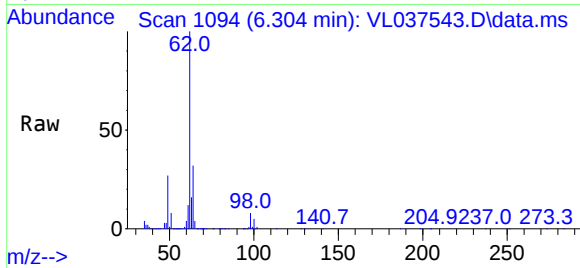
Tgt Ion: 78 Resp: 4349354  
Ion Ratio Lower Upper  
78 100  
77 22.8 18.2 27.4  
50 17.5 14.6 21.8





#37  
1,2-Dichloroethane  
Concen: 9.535 ppbv  
RT: 6.304 min Scan# 1094  
Delta R.T. 0.016 min  
Lab File: VL037543.D  
Acq: 7 Sep 2021 10:07

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0907ABS01

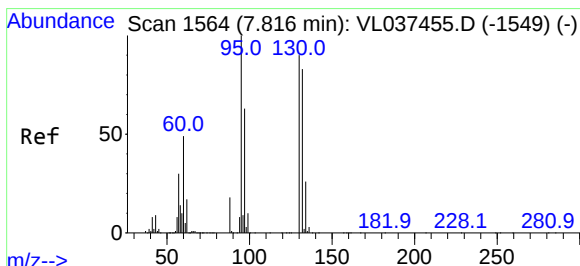
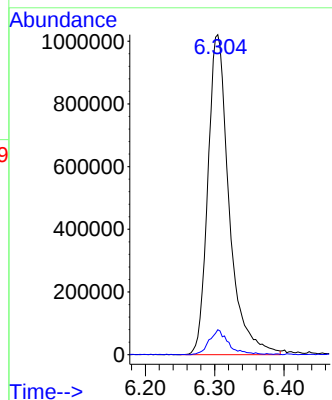
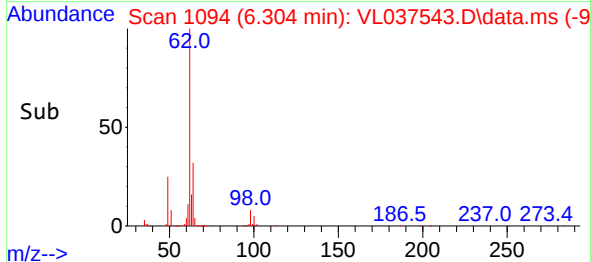


Tgt Ion: 62 Resp: 2174785

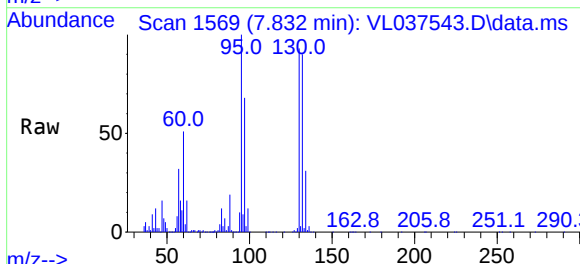
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 62  | 100   |       |       |
| 98  | 7.4   | 6.0   | 9.0   |

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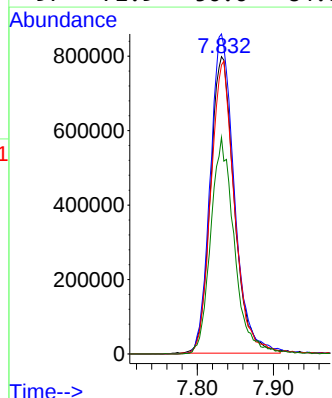
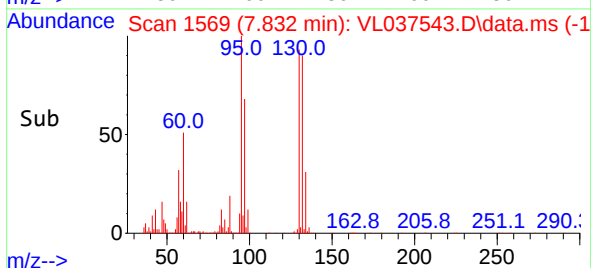


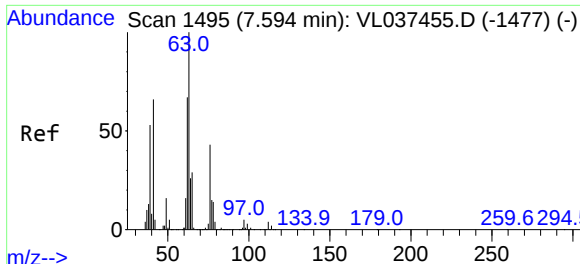
#38  
Trichloroethene  
Concen: 9.191 ppbv  
RT: 7.832 min Scan# 1569  
Delta R.T. 0.016 min  
Lab File: VL037543.D  
Acq: 7 Sep 2021 10:07



Tgt Ion: 130 Resp: 1736402

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 130 | 100   |       |       |
| 95  | 107.8 | 89.2  | 133.8 |
| 132 | 97.5  | 74.0  | 111.0 |
| 97  | 72.9  | 56.6  | 84.8  |





#39  
1,2-Dichloropropane  
Concen: 9.367 ppbv  
RT: 7.610 min Scan# 1500  
Delta R.T. 0.016 min  
Lab File: VL037543.D  
Acq: 7 Sep 2021 10:07

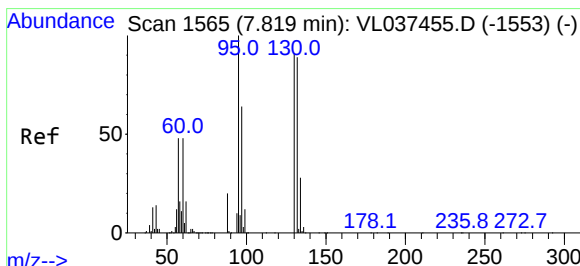
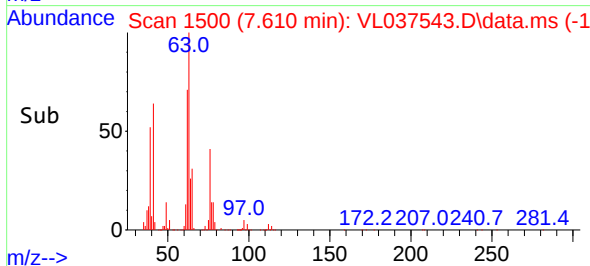
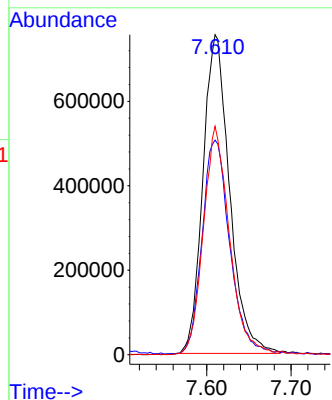
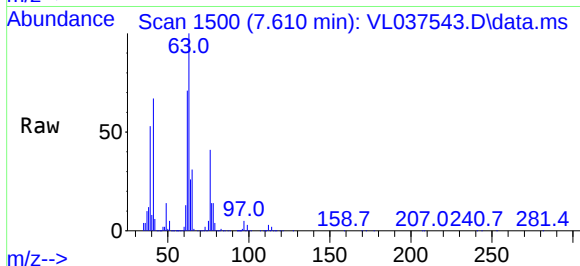
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0907ABS01

Tgt Ion: 63 Resp: 1657414

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 41  | 66.8  | 52.4  | 78.6  |
| 62  | 71.2  | 53.6  | 80.4  |

Manual Integrations  
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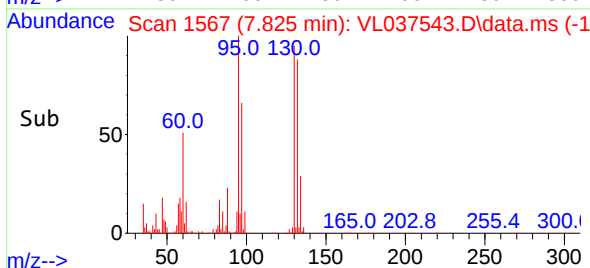
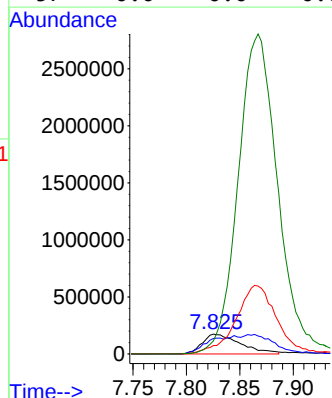
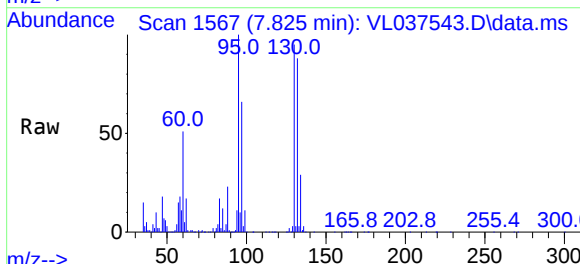
MMDadoda  
9/10/2021 10:48:29 AM

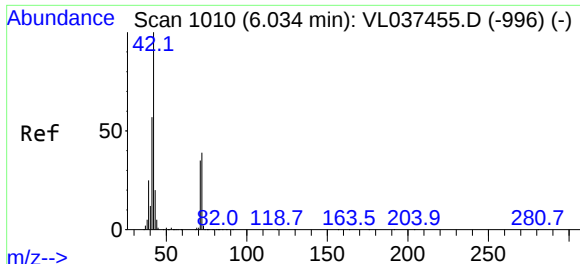


#40  
1,4-Dioxane  
Concen: 10.013 ppbv m  
RT: 7.825 min Scan# 1567  
Delta R.T. 0.006 min  
Lab File: VL037543.D  
Acq: 7 Sep 2021 10:07

Tgt Ion: 88 Resp: 434056

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 88  | 100   |       |       |
| 58  | 0.0   | 0.0   | 0.0   |
| 43  | 0.0   | 0.0   | 0.0   |
| 57  | 0.0   | 0.0   | 0.0   |





#41  
Tetrahydrofuran  
Concen: 9.692 ppbv  
RT: 6.044 min Scan# 1013  
Delta R.T. 0.010 min  
Lab File: VL037543.D  
Acq: 7 Sep 2021 10:07

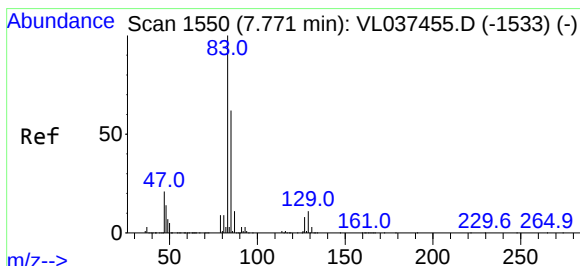
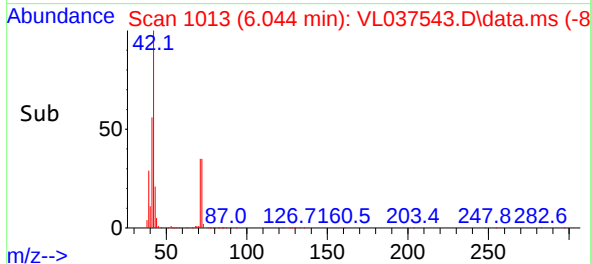
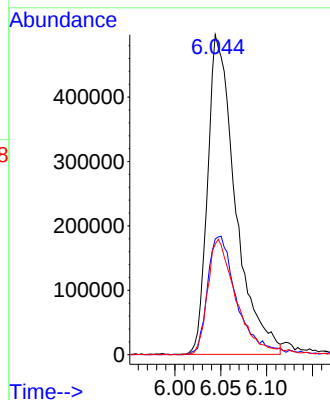
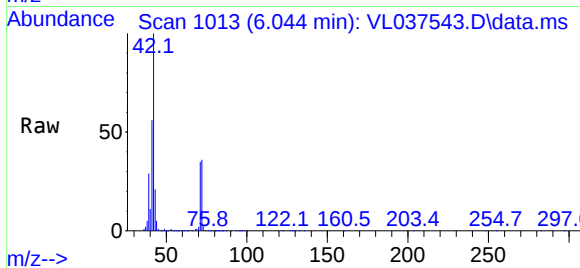
Tgt Ion: 42 Resp: 1044366

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 42  | 100   |       |       |
| 72  | 40.4  | 32.2  | 48.4  |
| 71  | 38.2  | 30.5  | 45.7  |

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0907ABS01

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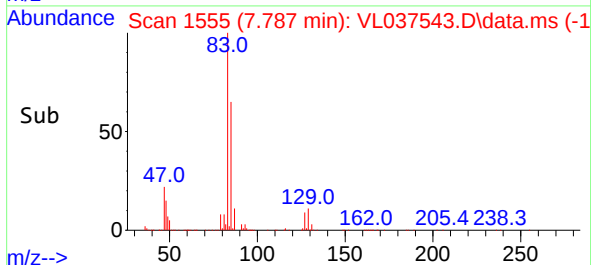
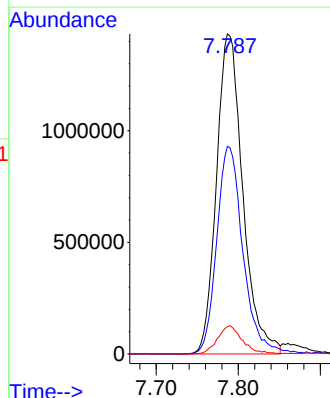
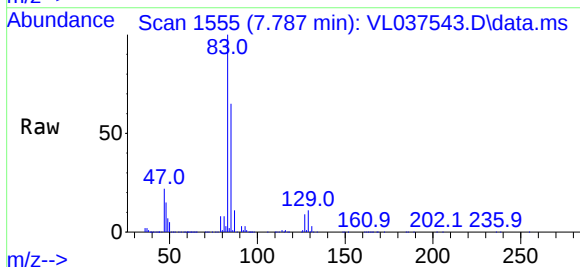
MMDadoda  
9/10/2021 10:48:29 AM

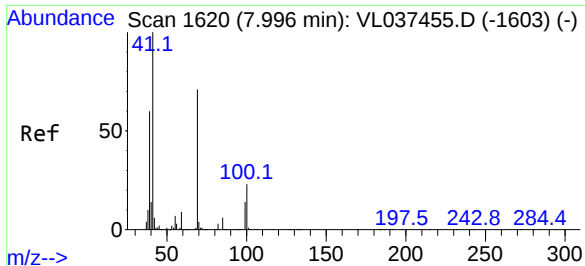


#42  
Bromodichloromethane  
Concen: 9.601 ppbv  
RT: 7.787 min Scan# 1555  
Delta R.T. 0.016 min  
Lab File: VL037543.D  
Acq: 7 Sep 2021 10:07

Tgt Ion: 83 Resp: 3202098

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 85  | 64.9  | 49.5  | 74.3  |
| 127 | 8.6   | 6.3   | 9.5   |





#43  
Methyl Methacrylate  
Concen: 9.910 ppbv  
RT: 8.012 min Scan# 1625  
Delta R.T. 0.016 min  
Lab File: VL037543.D  
Acq: 7 Sep 2021 10:07

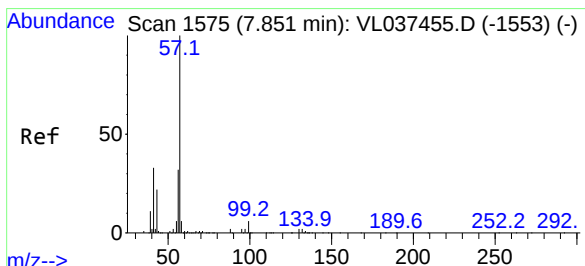
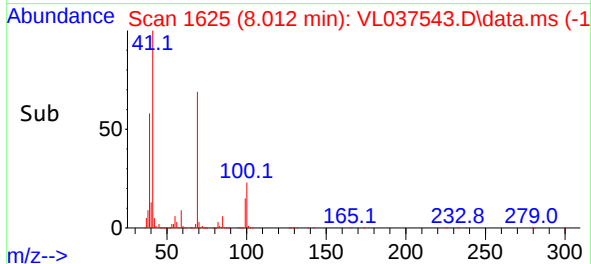
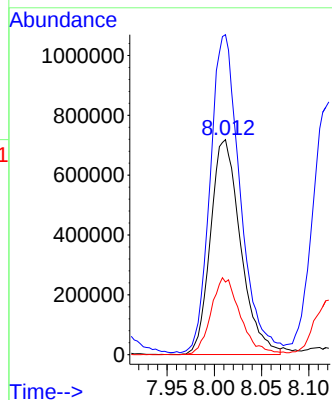
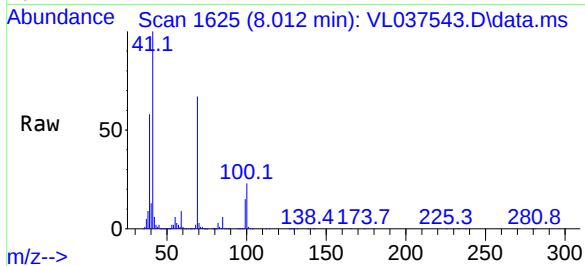
Tgt Ion: 69 Resp: 1590436

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 148.4 | 118.6 | 178.0 |
| 100 | 35.1  | 27.4  | 41.0  |

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0907ABS01

Manual Integrations  
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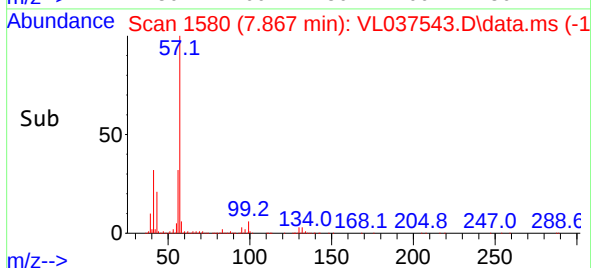
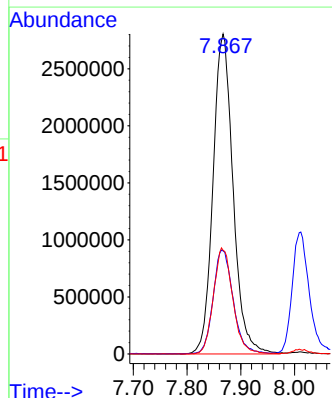
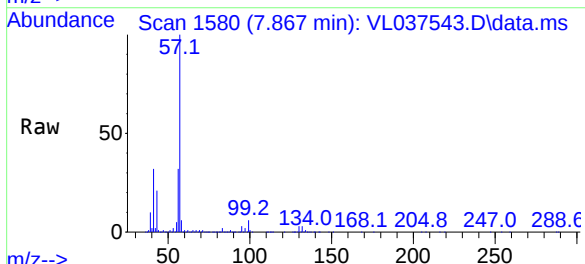
MMDadoda  
9/10/2021 10:48:29 AM

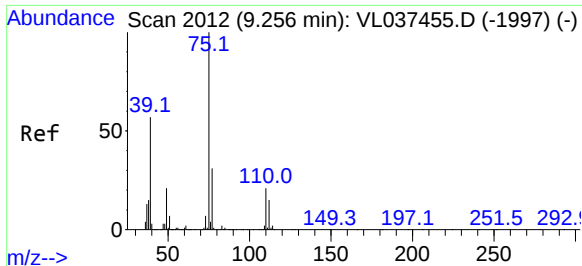


#44  
2,2,4-Trimethylpentane  
Concen: 9.379 ppbv  
RT: 7.867 min Scan# 1580  
Delta R.T. 0.016 min  
Lab File: VL037543.D  
Acq: 7 Sep 2021 10:07

Tgt Ion: 57 Resp: 7268822

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 57  | 100   |       |       |
| 41  | 32.5  | 26.2  | 39.4  |
| 56  | 32.0  | 25.4  | 38.2  |





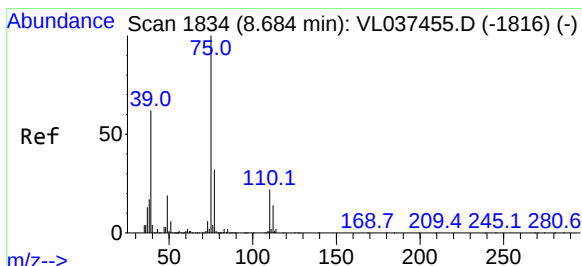
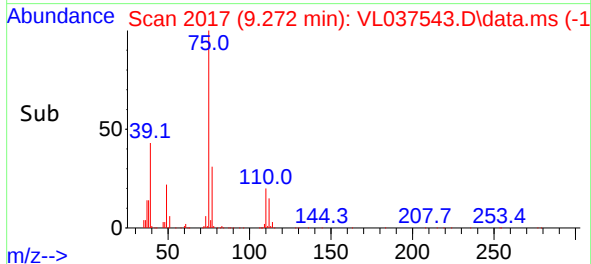
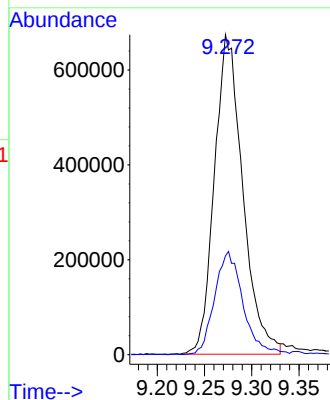
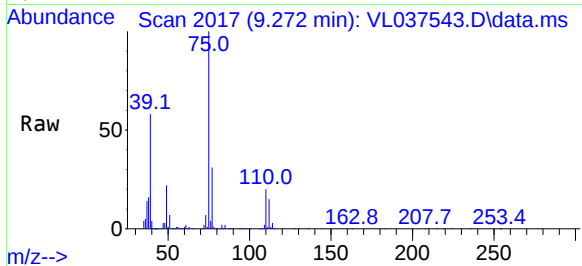
#45  
t-1,3-Dichloropropene  
Concen: 11.604 ppbv  
RT: 9.272 min Scan# 2017  
Delta R.T. 0.016 min  
Lab File: VL037543.D  
Acq: 7 Sep 2021 10:07

Tgt Ion: 75 Resp: 1402023  
Ion Ratio Lower Upper  
75 100  
77 30.9 24.5 36.7

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0907ABS01

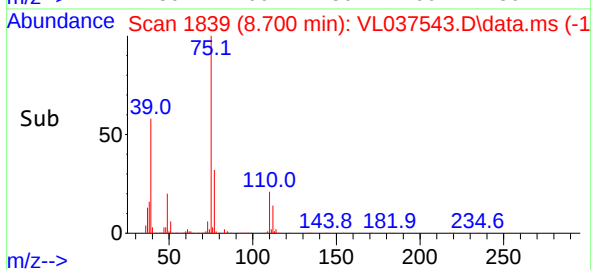
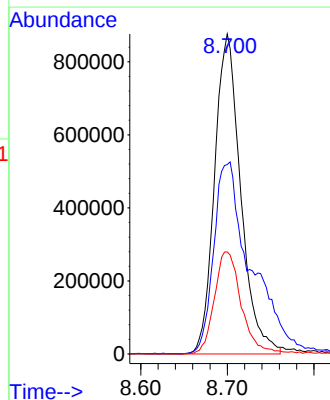
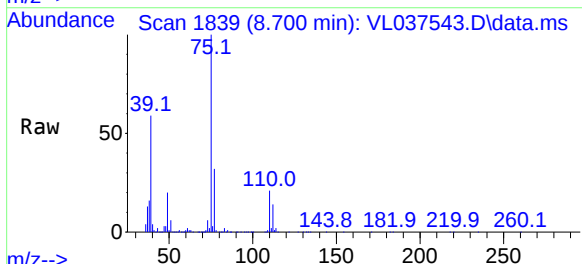
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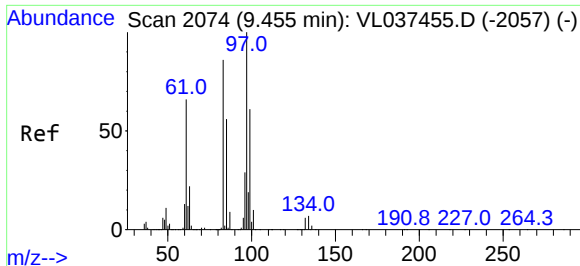
MMDadoda  
9/10/2021 10:48:29 AM



#46  
cis-1,3-Dichloropropene  
Concen: 10.908 ppbv  
RT: 8.700 min Scan# 1839  
Delta R.T. 0.016 min  
Lab File: VL037543.D  
Acq: 7 Sep 2021 10:07

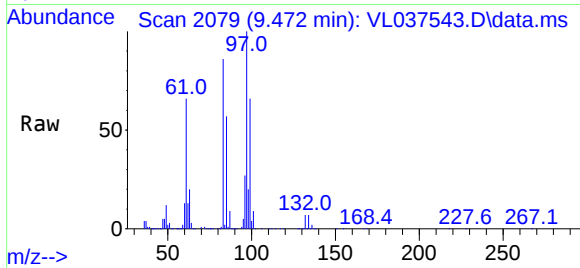
Tgt Ion: 75 Resp: 1838353  
Ion Ratio Lower Upper  
75 100  
39 59.1 49.7 74.5  
77 31.9 25.4 38.0





#47  
1,1,2-Trichloroethane  
Concen: 9.299 ppbv  
RT: 9.472 min Scan# 2079  
Delta R.T. 0.016 min  
Lab File: VL037543.D  
Acq: 7 Sep 2021 10:07

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0907ABS01

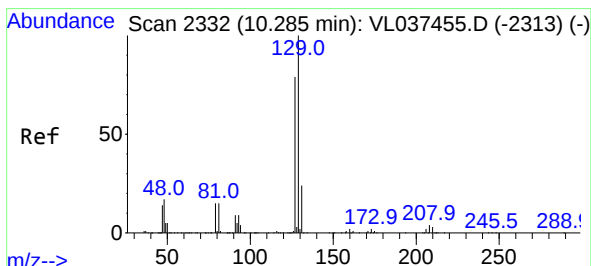
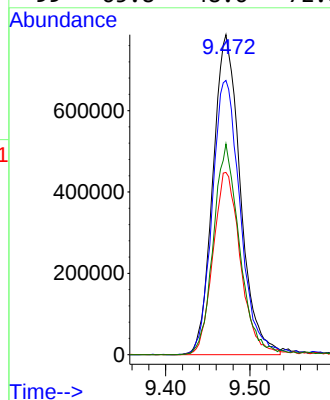
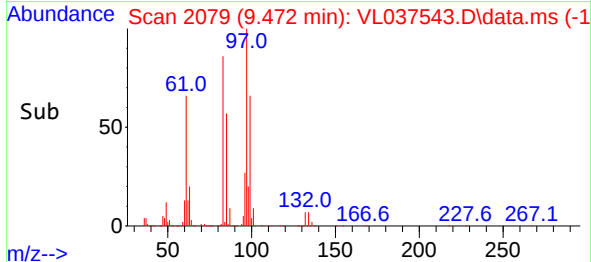


Tgt Ion: 97 Resp: 1777889

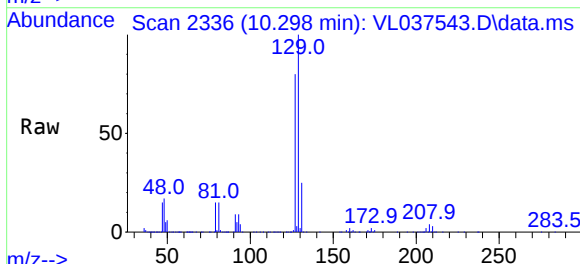
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 85.5  | 68.7  | 103.1 |
| 85  | 57.0  | 44.7  | 67.1  |
| 99  | 65.8  | 48.6  | 72.8  |

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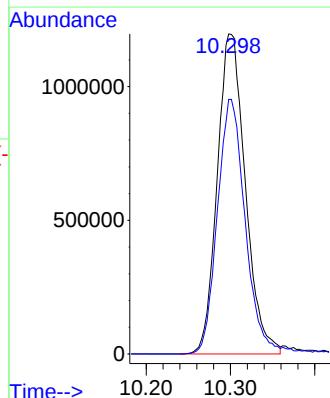
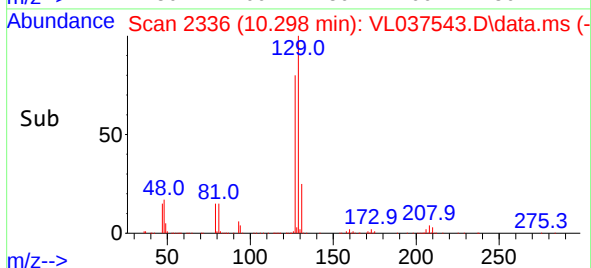


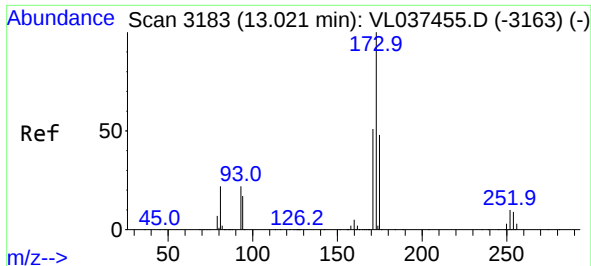
#48  
Dibromochloromethane  
Concen: 10.070 ppbv  
RT: 10.298 min Scan# 2336  
Delta R.T. 0.013 min  
Lab File: VL037543.D  
Acq: 7 Sep 2021 10:07



Tgt Ion: 129 Resp: 2770618

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 79.9  | 40.0  | 120.0 |





#49

Bromoform

Concen: 10.056 ppbv

RT: 13.037 min Scan# 3188

Delta R.T. 0.016 min

Lab File: VL037543.D

Acq: 7 Sep 2021 10:07

Tgt Ion:173 Resp: 2180923

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 173 | 100   |       |       |
| 175 | 52.4  | 41.9  | 62.9  |
| 171 | 55.4  | 44.2  | 66.4  |

Instrument :

MSVOA\_L

ClientSampleId :

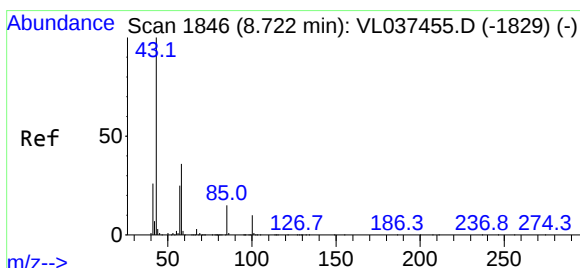
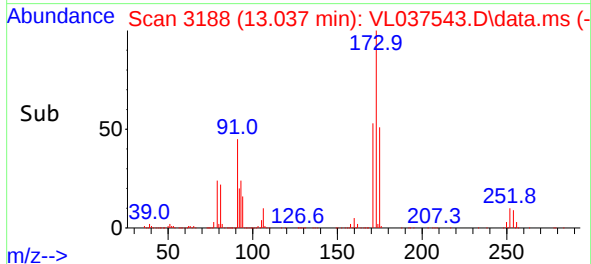
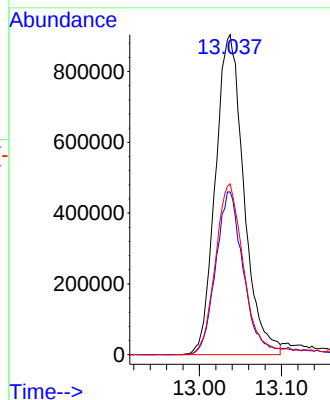
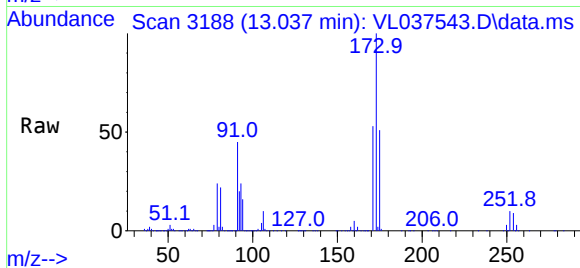
VL0907ABS01

Manual Integrations

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#50

4-Methyl-2-Pentanone

Concen: 9.959 ppbv

RT: 8.738 min Scan# 1851

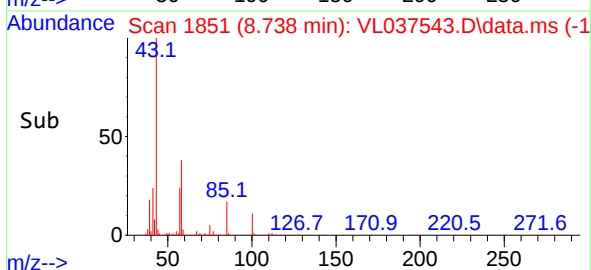
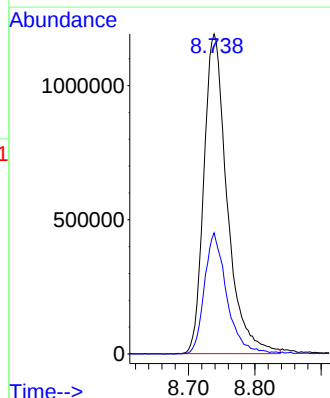
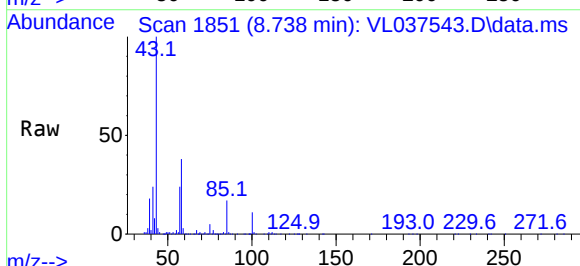
Delta R.T. 0.016 min

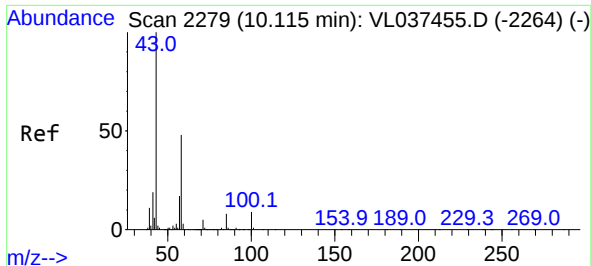
Lab File: VL037543.D

Acq: 7 Sep 2021 10:07

Tgt Ion: 43 Resp: 2906280

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 36.9  | 29.9  | 44.9  |





#51  
2-Hexanone  
Concen: 10.072 ppbv  
RT: 10.131 min Scan# 2284  
Delta R.T. 0.016 min  
Lab File: VL037543.D  
Acq: 7 Sep 2021 10:07

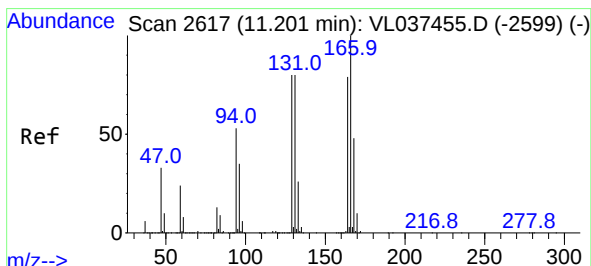
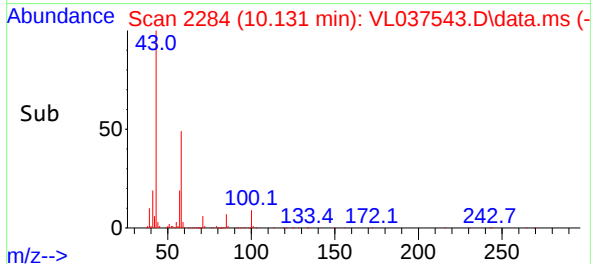
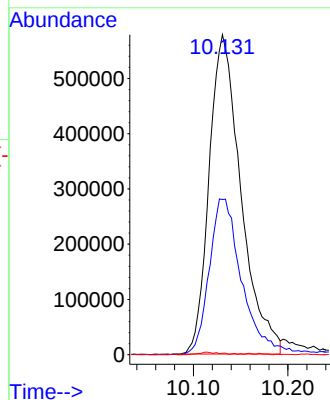
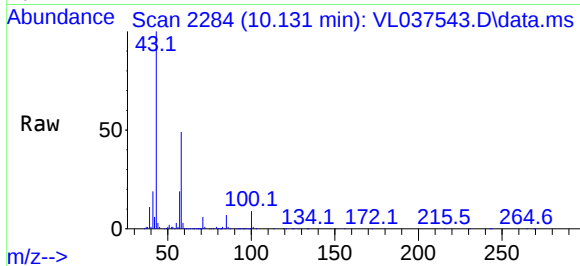
Tgt Ion: 43 Resp: 1351941

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 51.2  | 41.0  | 61.6  |
| 98  | 0.5   | 0.3   | 0.5#  |

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0907ABS01

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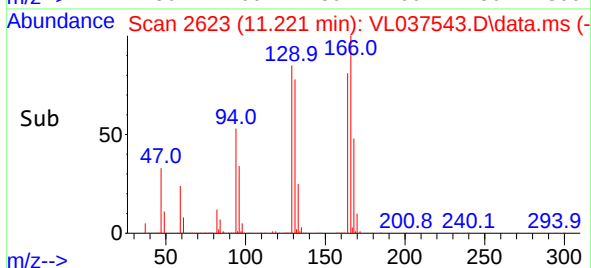
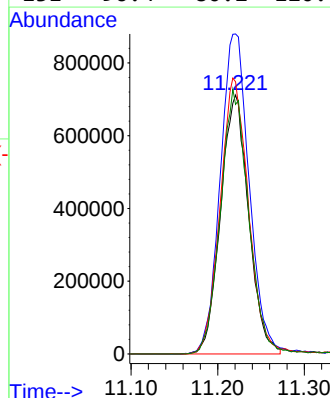
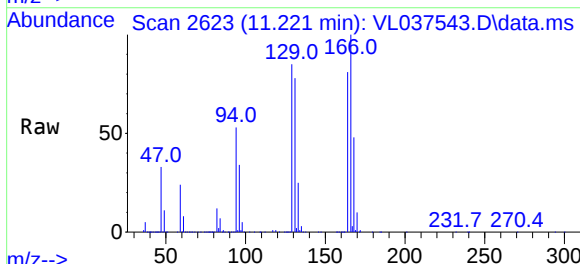
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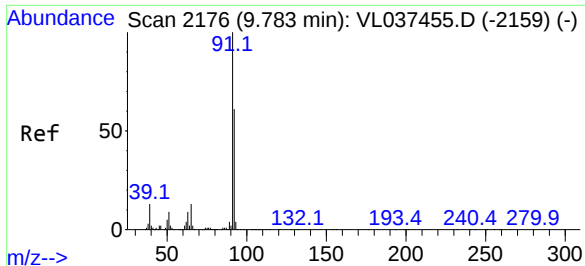


#52  
Tetrachloroethene  
Concen: 8.464 ppbv  
RT: 11.221 min Scan# 2623  
Delta R.T. 0.019 min  
Lab File: VL037543.D  
Acq: 7 Sep 2021 10:07

Tgt Ion: 164 Resp: 1597165

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 166 | 123.6 | 100.7 | 151.1 |
| 129 | 105.0 | 80.9  | 121.3 |
| 131 | 96.4  | 80.2  | 120.4 |





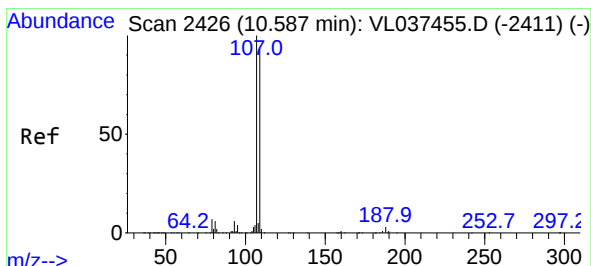
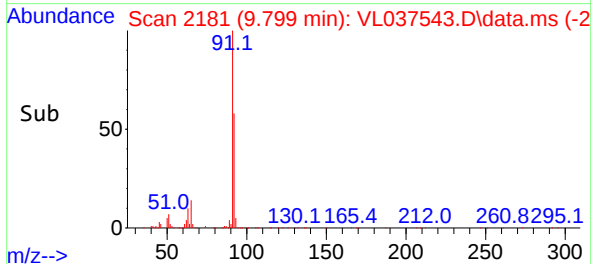
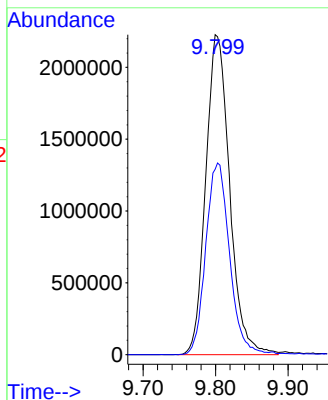
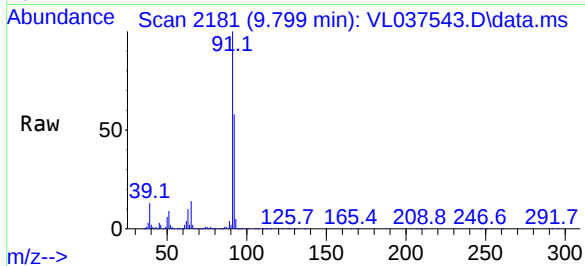
#53  
Toluene  
Concen: 9.697 ppbv  
RT: 9.799 min Scan# 2181  
Delta R.T. 0.016 min  
Lab File: VL037543.D  
Acq: 7 Sep 2021 10:07

Tgt Ion: 91 Resp: 5098684  
Ion Ratio Lower Upper  
91 100  
92 60.1 48.8 73.2

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0907ABS01

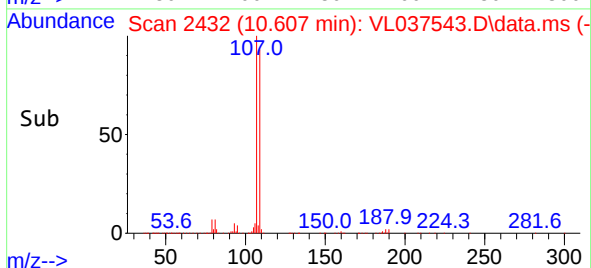
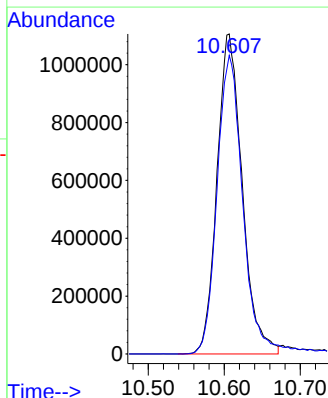
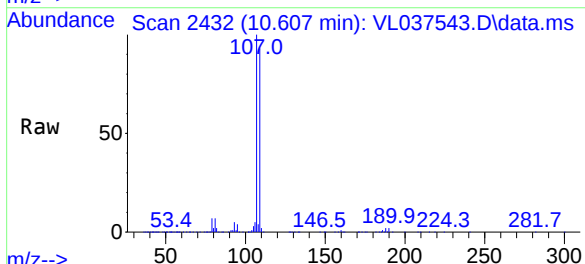
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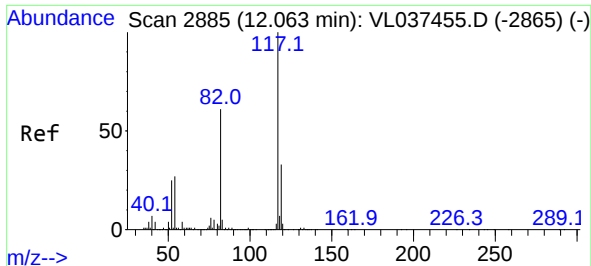
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#54  
1,2-Dibromoethane  
Concen: 9.538 ppbv  
RT: 10.607 min Scan# 2432  
Delta R.T. 0.019 min  
Lab File: VL037543.D  
Acq: 7 Sep 2021 10:07

Tgt Ion: 107 Resp: 2545686  
Ion Ratio Lower Upper  
107 100  
109 93.3 74.2 111.4





#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv m  
RT: 12.079 min Scan# 2890  
Delta R.T. 0.016 min  
Lab File: VL037543.D  
Acq: 7 Sep 2021 10:07

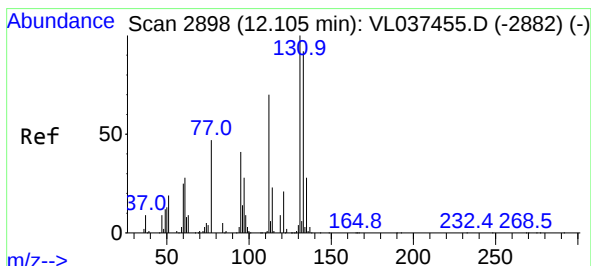
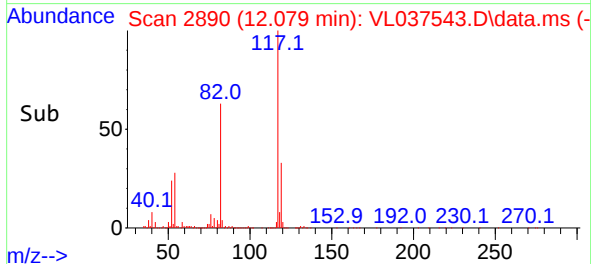
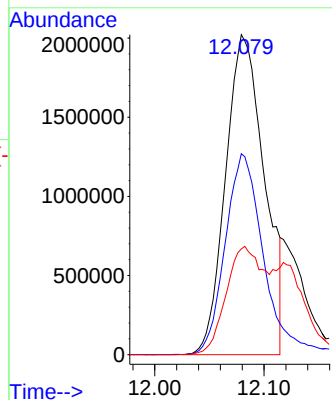
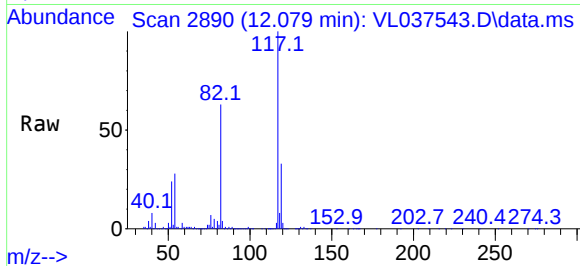
Tgt Ion:117 Resp: 4987342

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 82  | 64.5  | 52.9  | 79.3  |
| 119 | 59.2  | 24.8  | 37.2# |

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0907ABS01

Manual Integrations  
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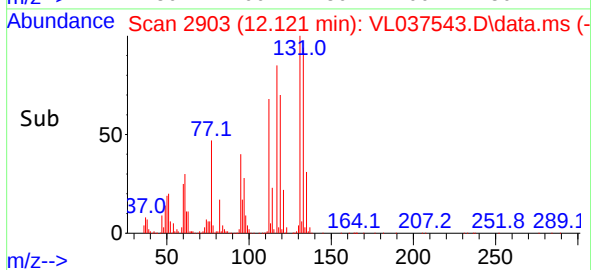
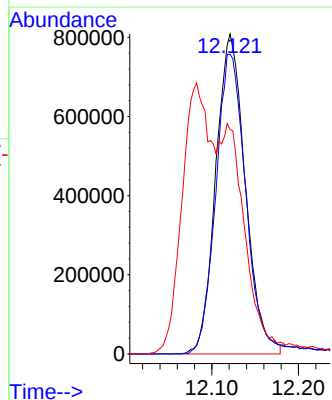
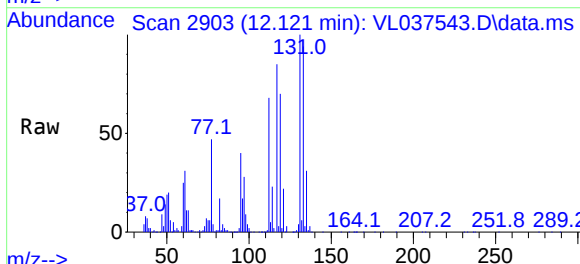
MMDadoda  
9/10/2021 10:48:29 AM

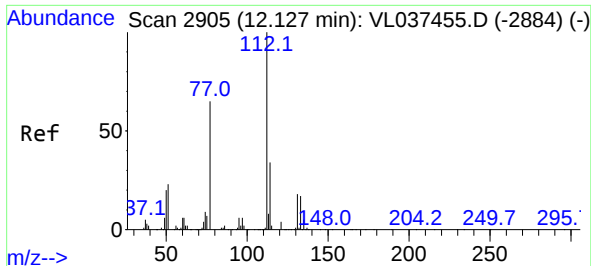


#56  
1,1,1,2-Tetrachloroethane  
Concen: 9.180 ppbv  
RT: 12.121 min Scan# 2903  
Delta R.T. 0.016 min  
Lab File: VL037543.D  
Acq: 7 Sep 2021 10:07

Tgt Ion:131 Resp: 1907685

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 131 | 100   |       |       |
| 133 | 98.7  | 78.7  | 118.1 |
| 119 | 154.7 | 56.6  | 85.0# |





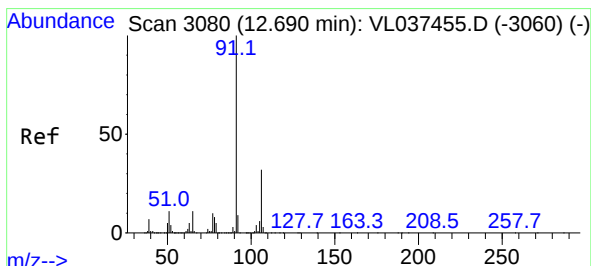
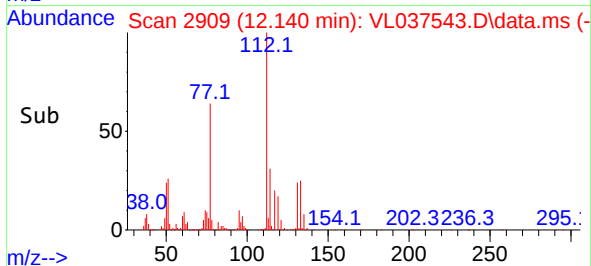
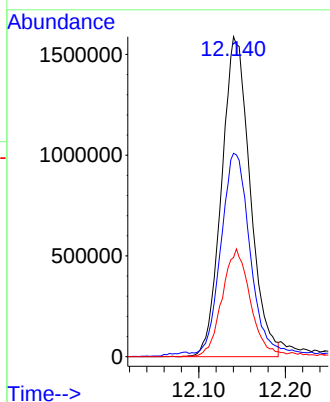
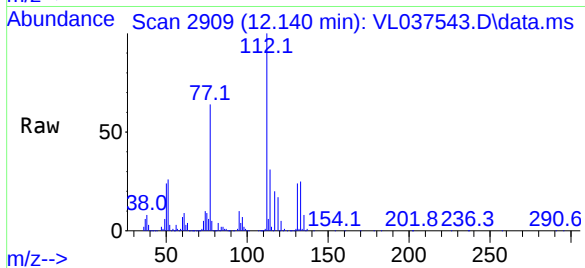
#57  
Chlorobenzene  
Concen: 8.760 ppbv  
RT: 12.140 min Scan# 2909  
Delta R.T. 0.013 min  
Lab File: VL037543.D  
Acq: 7 Sep 2021 10:07

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0907ABS01

Tgt Ion: 112 Resp: 3625760  
Ion Ratio Lower Upper  
112 100  
77 62.7 51.6 77.4  
114 31.0 30.7 37.5

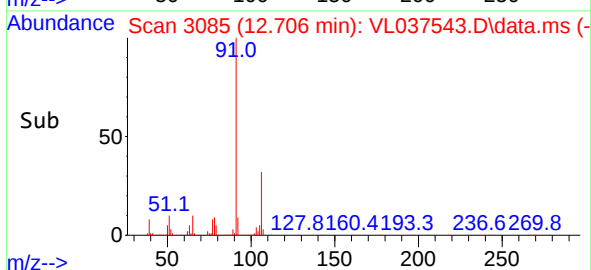
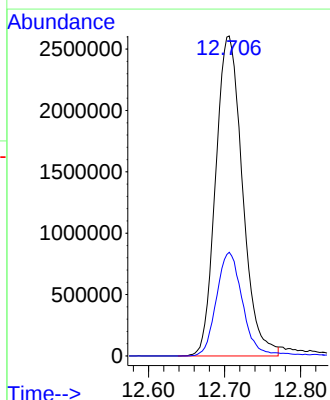
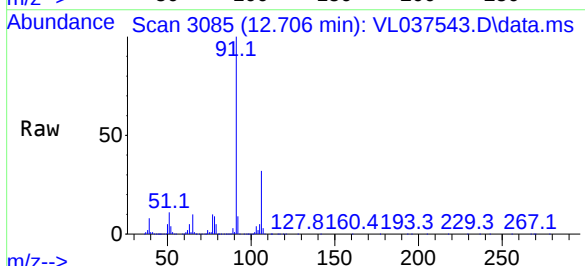
Manual Integrations  
APPROVED

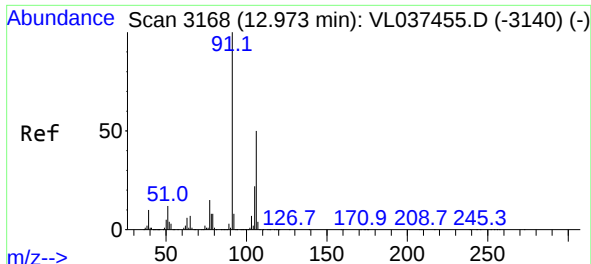
MMDadoda  
9/10/2021 10:48:29 AM



#58  
Ethyl Benzene  
Concen: 9.222 ppbv  
RT: 12.706 min Scan# 3085  
Delta R.T. 0.016 min  
Lab File: VL037543.D  
Acq: 7 Sep 2021 10:07

Tgt Ion: 91 Resp: 6382405  
Ion Ratio Lower Upper  
91 100  
106 32.4 25.7 38.5





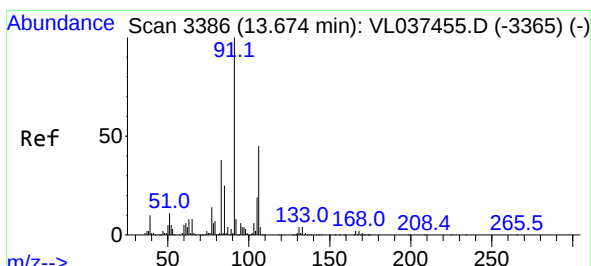
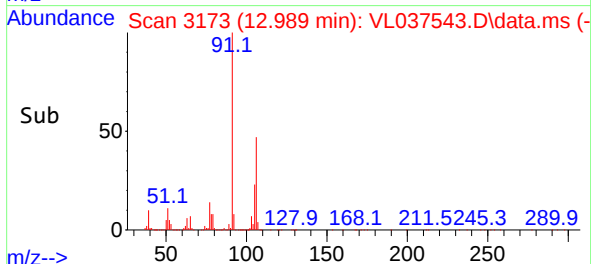
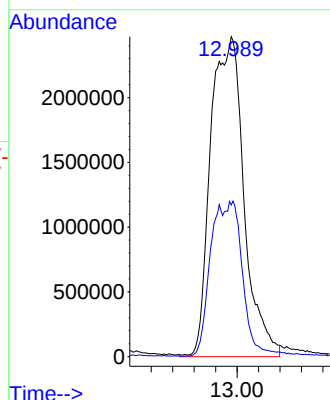
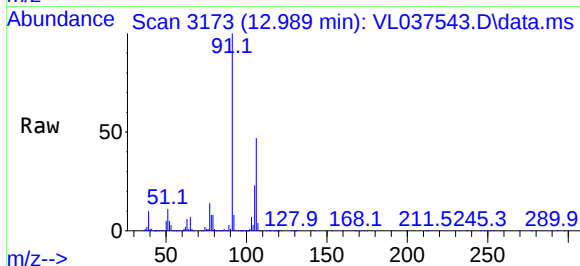
#59  
m/p-Xylene  
Concen: 17.718 ppbv m  
RT: 12.989 min Scan# 3173  
Delta R.T. 0.016 min  
Lab File: VL037543.D  
Acq: 7 Sep 2021 10:07

Tgt Ion: 91 Resp:10630928  
Ion Ratio Lower Upper  
91 100  
106 47.2 36.9 55.3

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0907ABS01

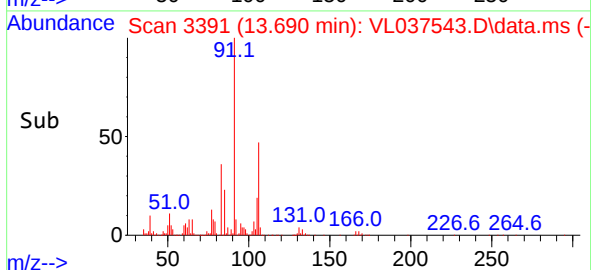
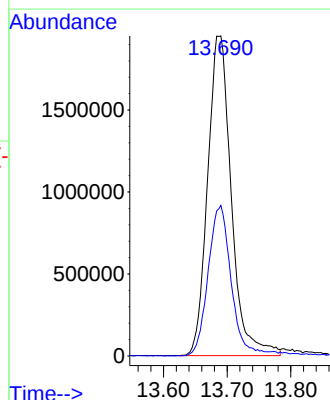
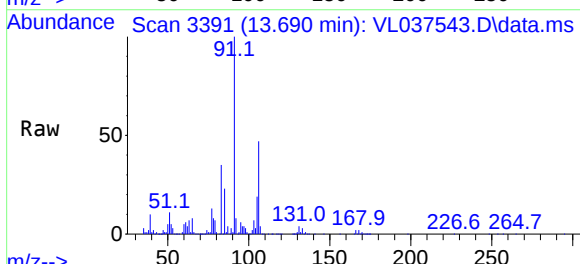
Manual Integrations  
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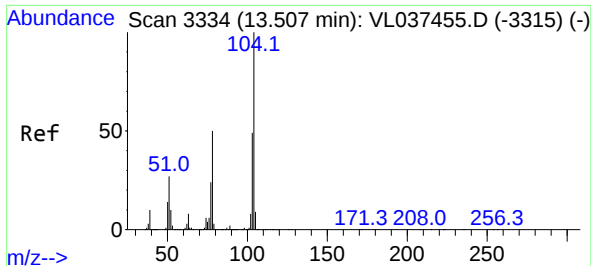
MMDadoda  
9/10/2021 10:48:29 AM



#60  
o-Xylene  
Concen: 9.024 ppbv  
RT: 13.690 min Scan# 3391  
Delta R.T. 0.016 min  
Lab File: VL037543.D  
Acq: 7 Sep 2021 10:07

Tgt Ion: 91 Resp: 5053739  
Ion Ratio Lower Upper  
91 100  
106 47.3 23.7 71.1





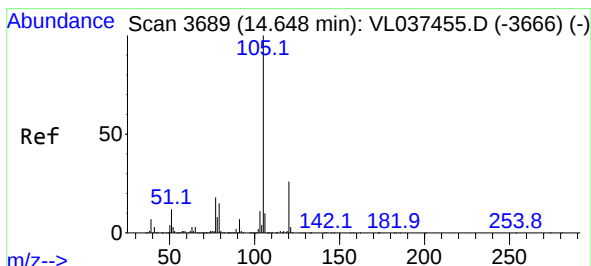
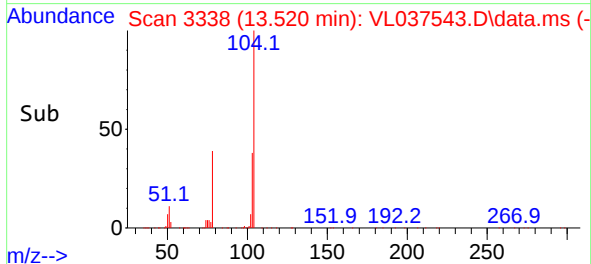
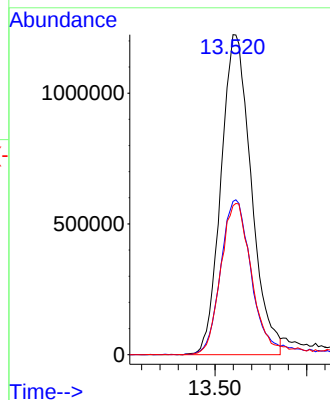
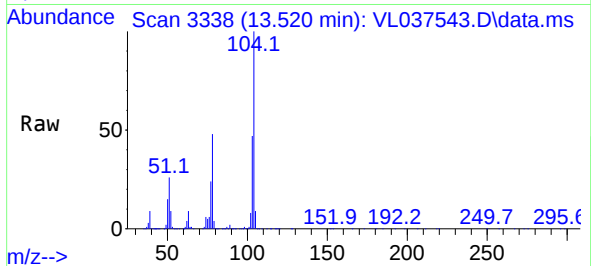
#61  
Styrene  
Concen: 9.638 ppbv  
RT: 13.520 min Scan# 3338  
Delta R.T. 0.013 min  
Lab File: VL037543.D  
Acq: 7 Sep 2021 10:07

Tgt Ion:104 Resp: 2803806  
Ion Ratio Lower Upper  
104 100  
78 50.8 41.3 61.9  
103 50.3 39.4 59.0

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0907ABS01

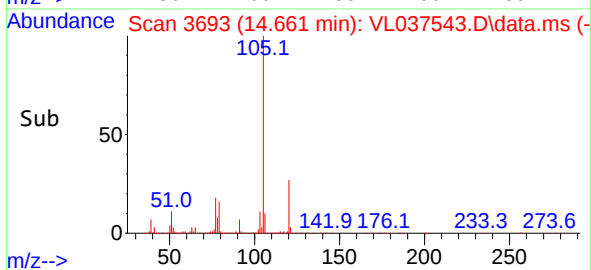
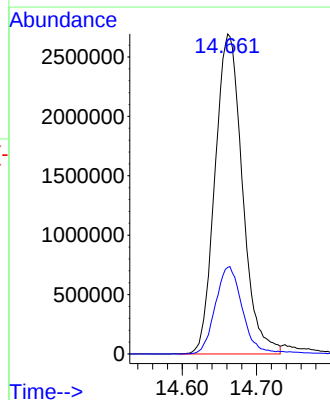
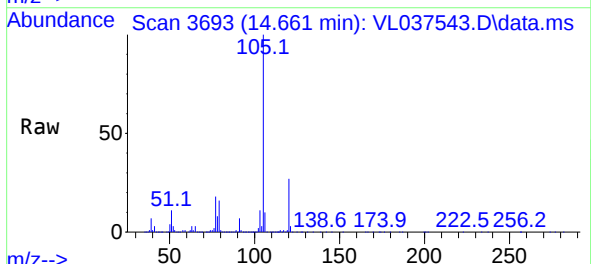
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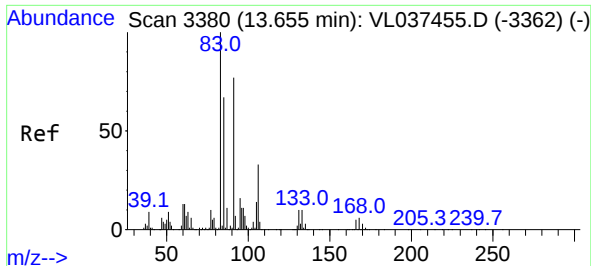
MMDadoda  
9/10/2021 10:48:29 AM



#62  
Isopropylbenzene  
Concen: 8.746 ppbv  
RT: 14.661 min Scan# 3693  
Delta R.T. 0.013 min  
Lab File: VL037543.D  
Acq: 7 Sep 2021 10:07

Tgt Ion:105 Resp: 6912571  
Ion Ratio Lower Upper  
105 100  
120 27.4 21.5 32.3





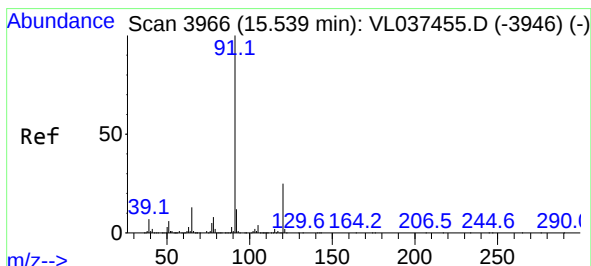
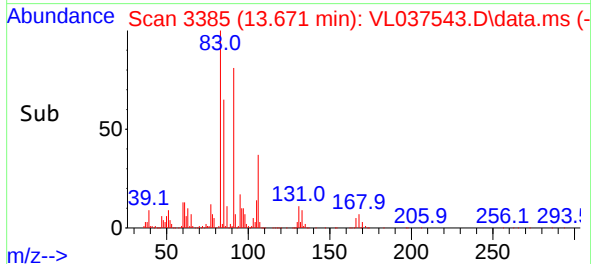
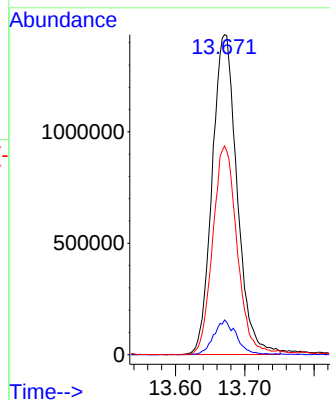
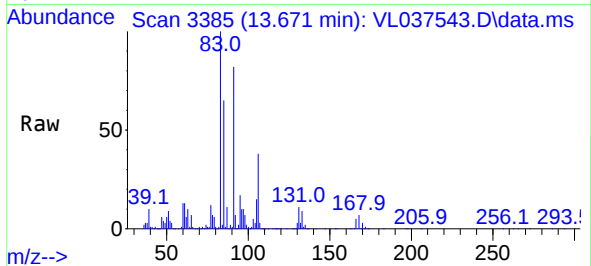
#63  
1,1,2,2-Tetrachloroethane  
Concen: 8.614 ppbv  
RT: 13.671 min Scan# 3385  
Delta R.T. 0.016 min  
Lab File: VL037543.D  
Acq: 7 Sep 2021 10:07

Tgt Ion: 83 Resp: 3585423  
Ion Ratio Lower Upper  
83 100  
131 10.1 5.0 15.0  
85 65.3 33.8 101.3

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0907ABS01

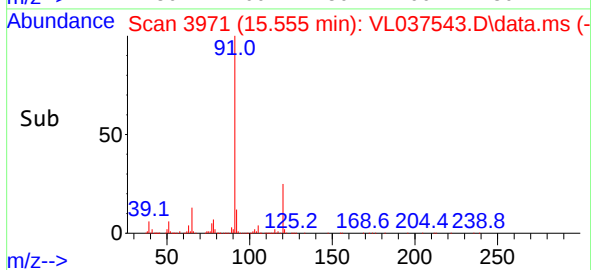
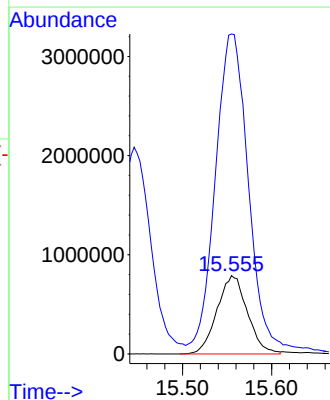
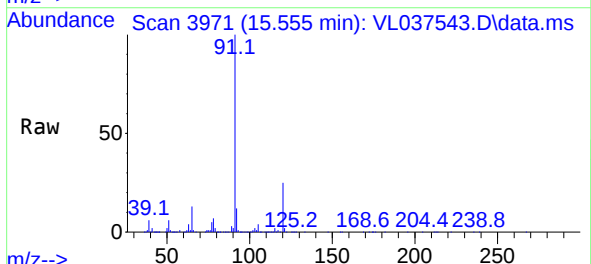
Manual Integrations  
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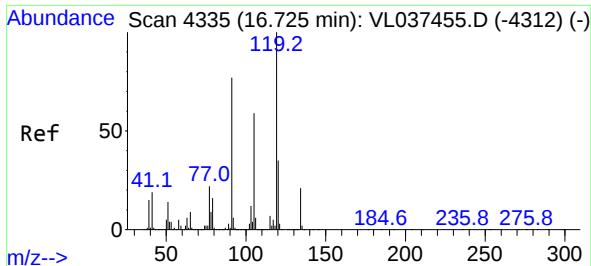
MMDadoda  
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#64  
n-propylbenzene  
Concen: 9.289 ppbv  
RT: 15.555 min Scan# 3971  
Delta R.T. 0.016 min  
Lab File: VL037543.D  
Acq: 7 Sep 2021 10:07

Tgt Ion: 120 Resp: 1868421  
Ion Ratio Lower Upper  
120 100  
91 451.8 373.8 560.6





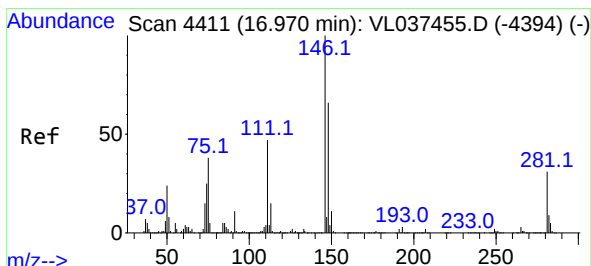
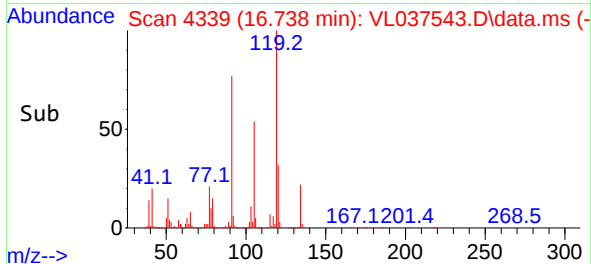
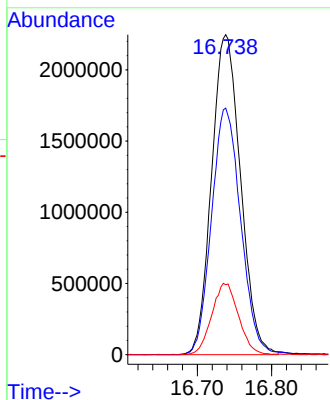
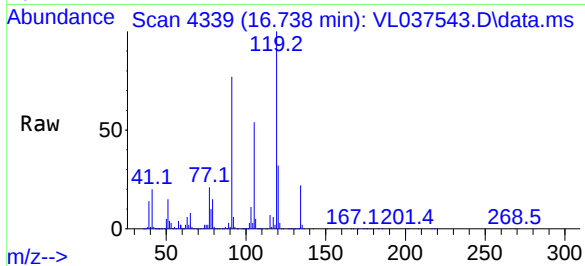
#65  
tert-Butylbenzene  
Concen: 8.458 ppbv  
RT: 16.738 min Scan# 4339  
Delta R.T. 0.013 min  
Lab File: VL037543.D  
Acq: 7 Sep 2021 10:07

Tgt Ion: 119 Resp: 6088157  
Ion Ratio Lower Upper  
119 100  
91 77.8 62.9 94.3  
134 20.7 16.4 24.6

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0907ABS01

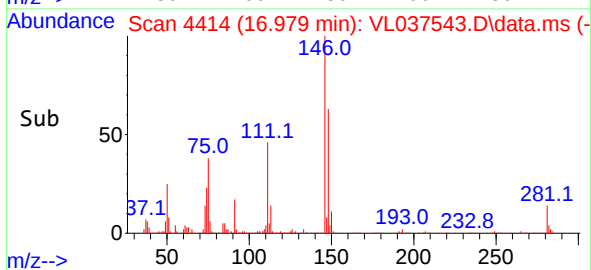
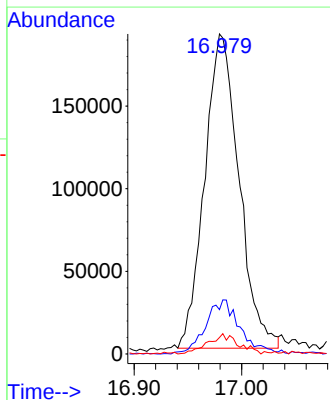
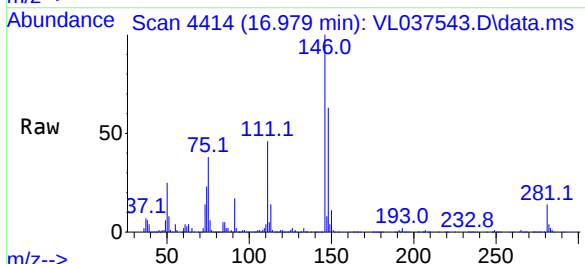
Manual Integrations  
APPROVED

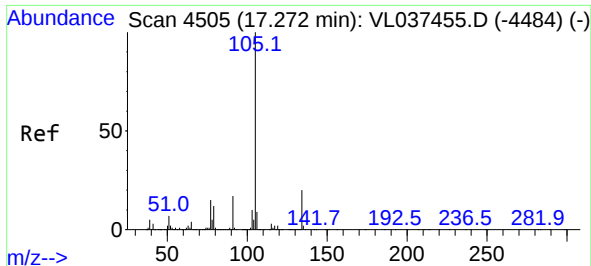
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9/10/2021 10:48:29 AM



#66  
Benzyl Chloride  
Concen: 12.948 ppbv  
RT: 16.979 min Scan# 4414  
Delta R.T. 0.010 min  
Lab File: VL037543.D  
Acq: 7 Sep 2021 10:07

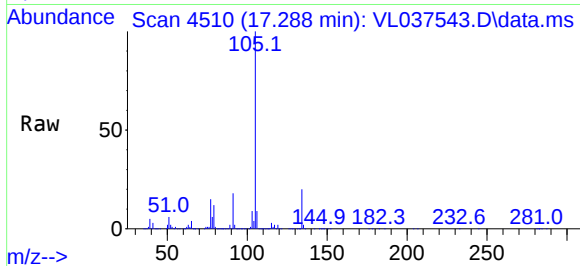
Tgt Ion: 91 Resp: 421612  
Ion Ratio Lower Upper  
91 100  
126 17.7 15.9 23.9  
128 6.6 5.4 8.0



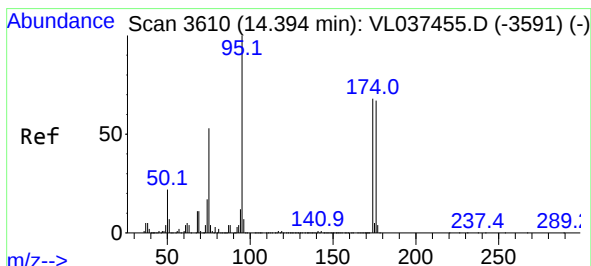
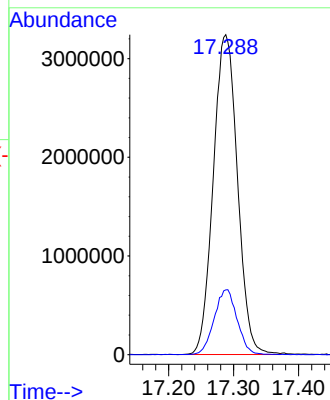
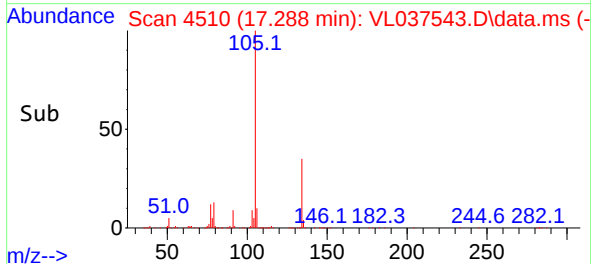


#67  
 sec-Butylbenzene  
 Concen: 8.319 ppbv  
 RT: 17.288 min Scan# 4510  
 Delta R.T. 0.016 min  
 Lab File: VL037543.D  
 Acq: 7 Sep 2021 10:07

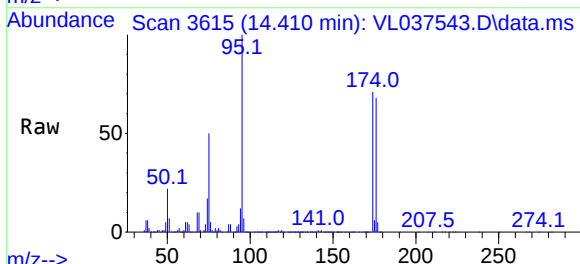
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0907ABS01



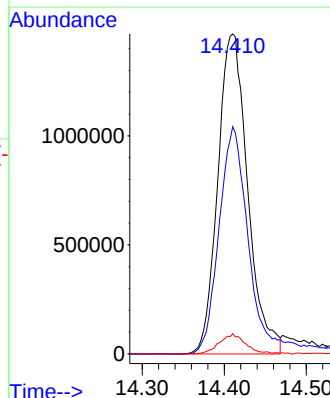
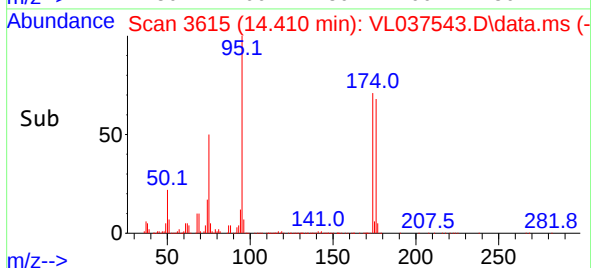
Tgt Ion: 105 Resp: 8367079  
 Ion Ratio Lower Upper  
 105 100  
 134 19.4 15.2 22.8

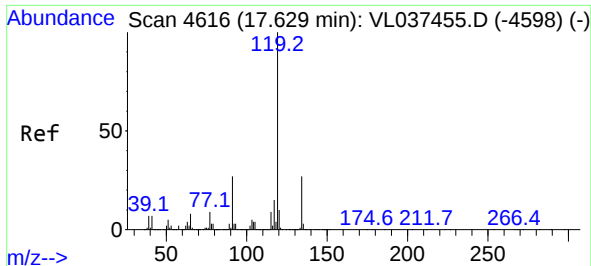


#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 10.474 ppbv  
 RT: 14.410 min Scan# 3615  
 Delta R.T. 0.016 min  
 Lab File: VL037543.D  
 Acq: 7 Sep 2021 10:07



Tgt Ion: 95 Resp: 3711149  
 Ion Ratio Lower Upper  
 95 100  
 174 73.8 59.6 89.4  
 175 5.7 4.6 7.0





#69  
p-Isopropyltoluene  
Concen: 8.515 ppbv  
RT: 17.645 min Scan# 4621  
Delta R.T. 0.016 min  
Lab File: VL037543.D  
Acq: 7 Sep 2021 10:07

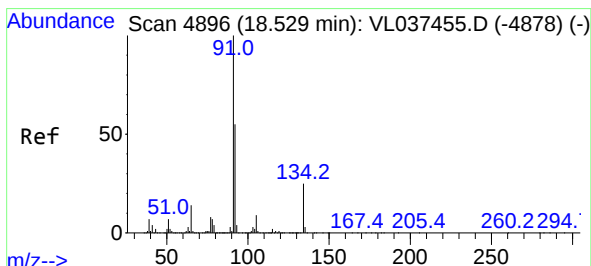
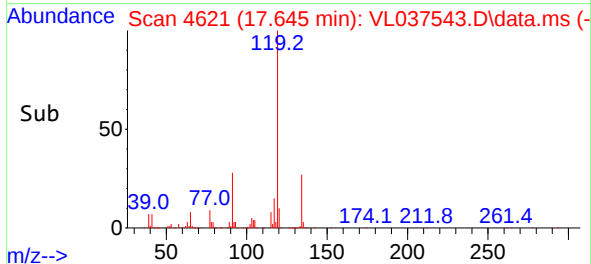
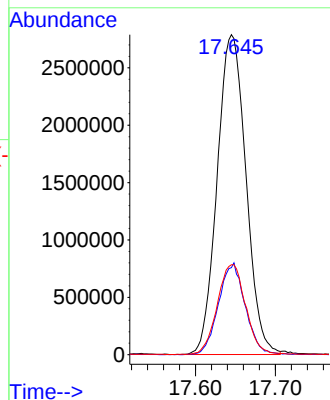
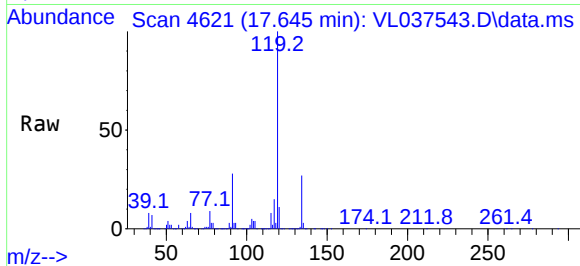
Tgt Ion: 119 Resp: 6979173

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 119 | 100   |       |       |
| 134 | 26.6  | 21.1  | 31.7  |
| 91  | 27.7  | 22.4  | 33.6  |

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0907ABS01

Manual Integrations  
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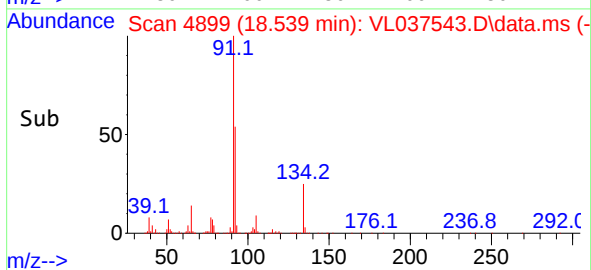
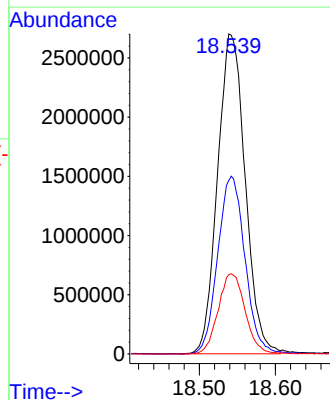
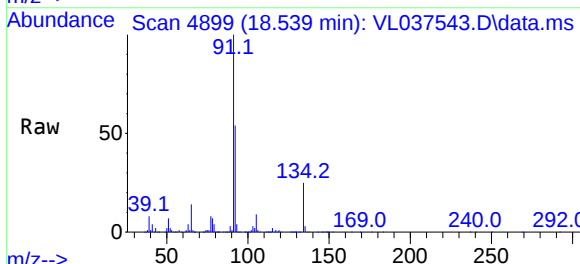
MMDadoda  
9/10/2021 10:48:29 AM

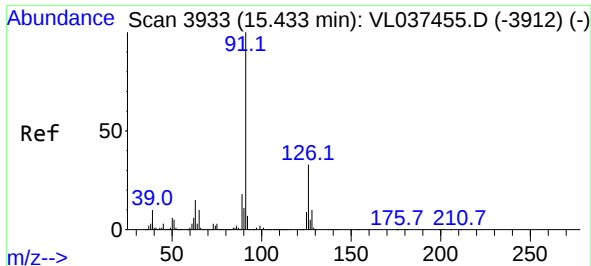


#70  
n-Butylbenzene  
Concen: 8.691 ppbv  
RT: 18.539 min Scan# 4899  
Delta R.T. 0.010 min  
Lab File: VL037543.D  
Acq: 7 Sep 2021 10:07

Tgt Ion: 91 Resp: 6807590

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 91  | 100   |       |       |
| 92  | 55.2  | 44.0  | 66.0  |
| 134 | 24.6  | 19.5  | 29.3  |





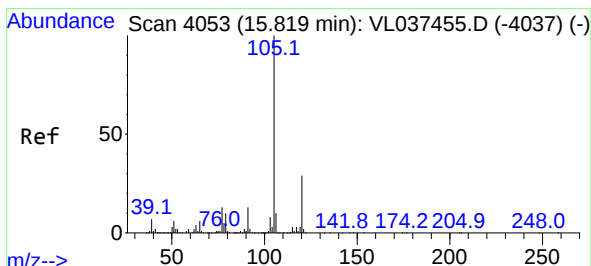
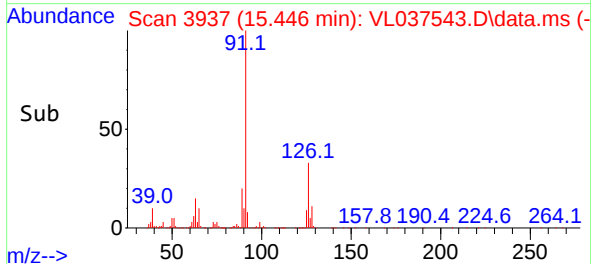
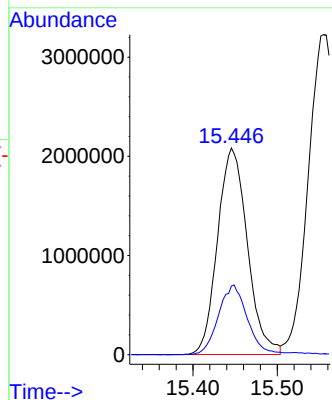
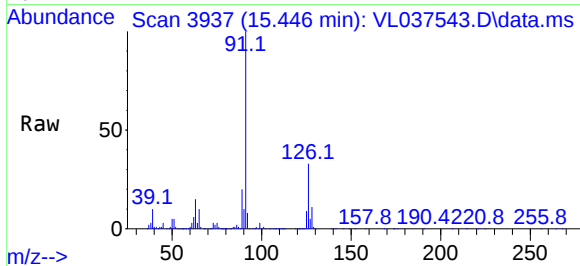
#71  
2-Chlorotoluene  
Concen: 8.834 ppbv  
RT: 15.446 min Scan# 3937  
Delta R.T. 0.013 min  
Lab File: VL037543.D  
Acq: 7 Sep 2021 10:07

Tgt Ion: 91 Resp: 5119852  
Ion Ratio Lower Upper  
91 100  
126 33.8 13.6 54.4

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0907ABS01

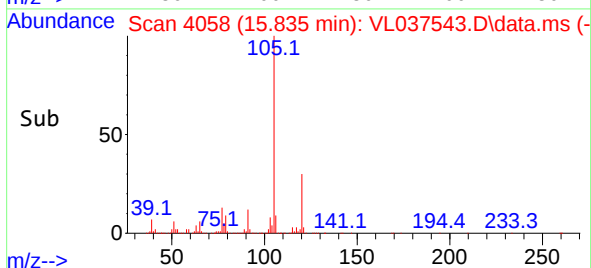
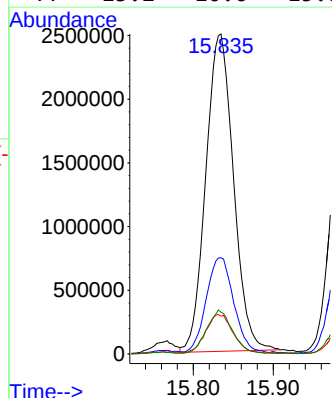
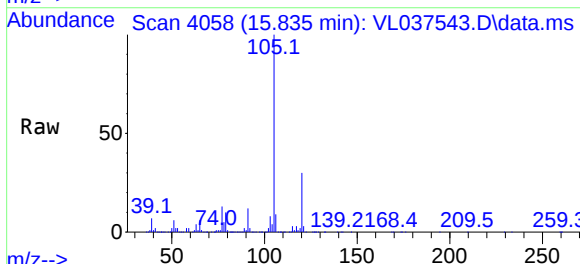
Manual Integrations  
APPROVED

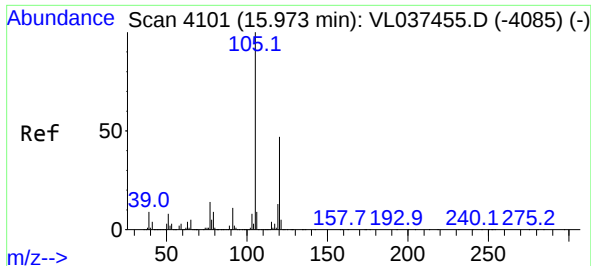
MMDadoda  
9/10/2021 10:48:29 AM



#72  
4-Ethyltoluene  
Concen: 9.018 ppbv  
RT: 15.835 min Scan# 4058  
Delta R.T. 0.016 min  
Lab File: VL037543.D  
Acq: 7 Sep 2021 10:07

Tgt Ion: 105 Resp: 6006935  
Ion Ratio Lower Upper  
105 100  
120 31.1 24.7 37.1  
91 12.4 9.8 14.8  
77 13.2 10.6 15.8





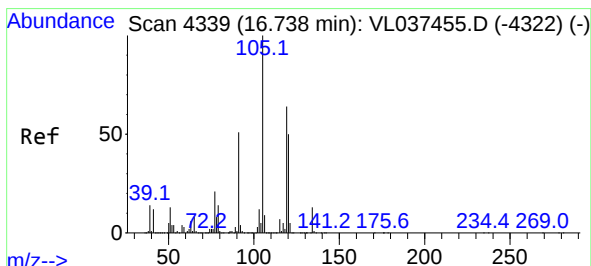
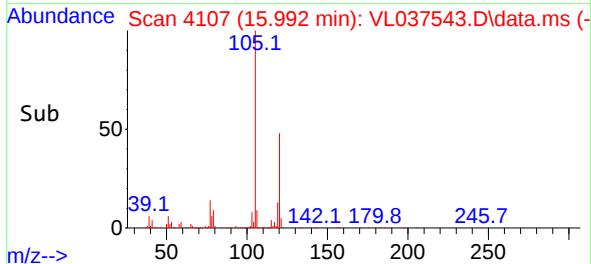
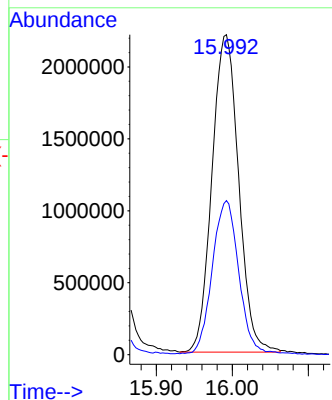
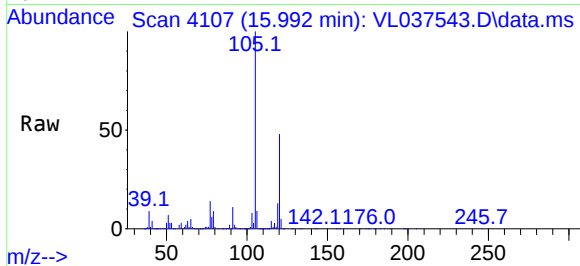
#73  
1,3,5-Trimethylbenzene  
Concen: 8.663 ppbv  
RT: 15.992 min Scan# 4107  
Delta R.T. 0.019 min  
Lab File: VL037543.D  
Acq: 7 Sep 2021 10:07

Tgt Ion:105 Resp: 5371540  
Ion Ratio Lower Upper  
105 100  
120 48.2 37.6 56.4

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0907ABS01

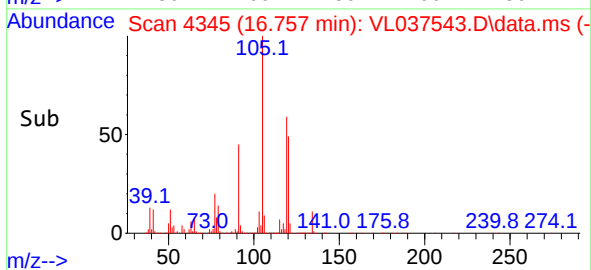
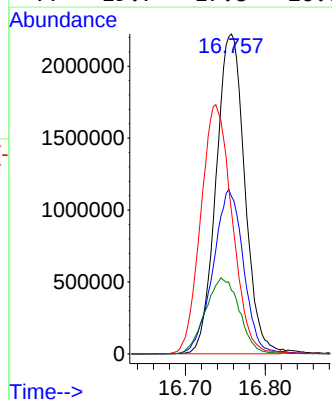
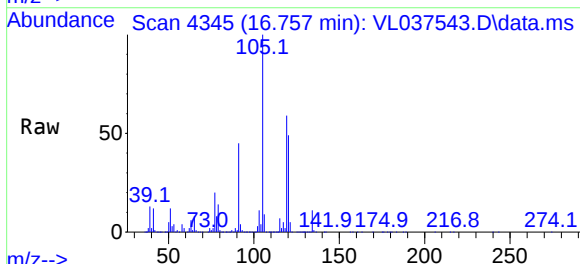
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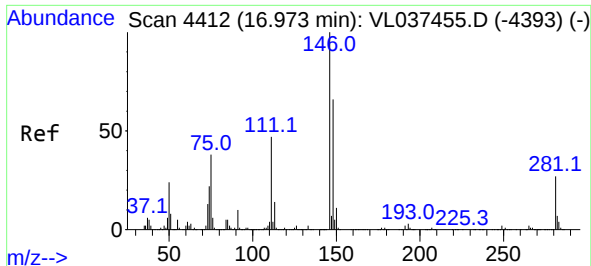
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#74  
1,2,4-Trimethylbenzene  
Concen: 8.373 ppbv  
RT: 16.757 min Scan# 4345  
Delta R.T. 0.019 min  
Lab File: VL037543.D  
Acq: 7 Sep 2021 10:07

Tgt Ion:105 Resp: 5516969  
Ion Ratio Lower Upper  
105 100  
120 49.0 40.4 60.6  
91 44.2 44.6 67.0#  
77 19.7 17.8 26.6





#75  
1,3-Dichlorobenzene  
Concen: 8.501 ppbv  
RT: 16.986 min Scan# 4416  
Delta R.T. 0.013 min  
Lab File: VL037543.D  
Acq: 7 Sep 2021 10:07

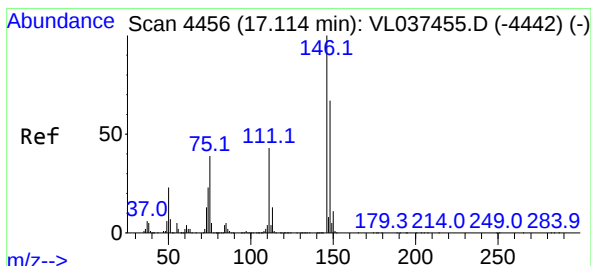
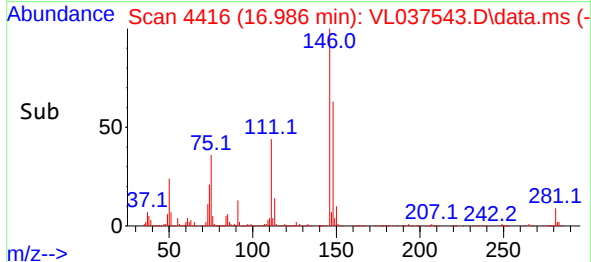
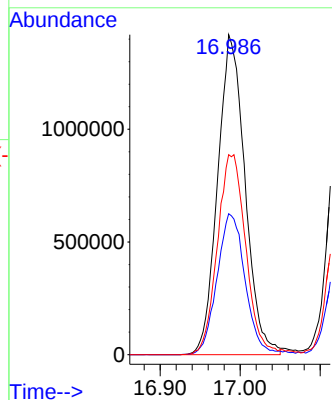
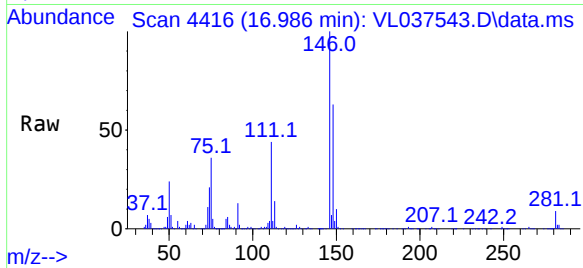
Tgt Ion:146 Resp: 3371279

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 111 | 45.4  | 23.4  | 70.0  |
| 148 | 65.4  | 33.1  | 99.5  |

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0907ABS01

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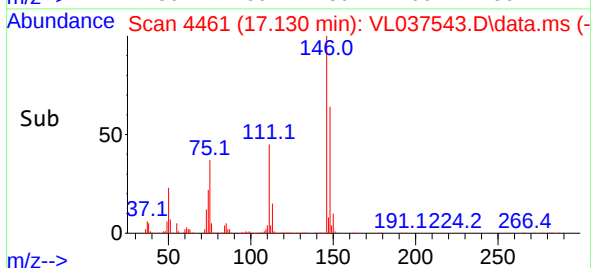
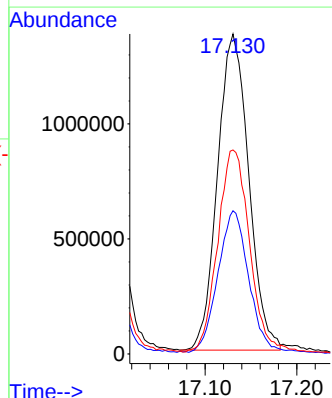
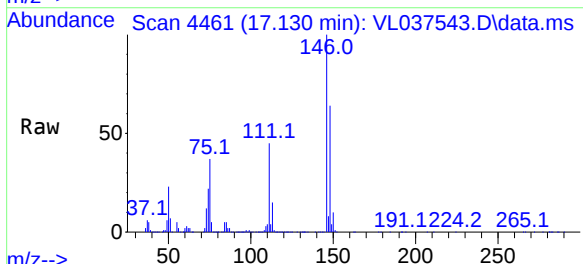
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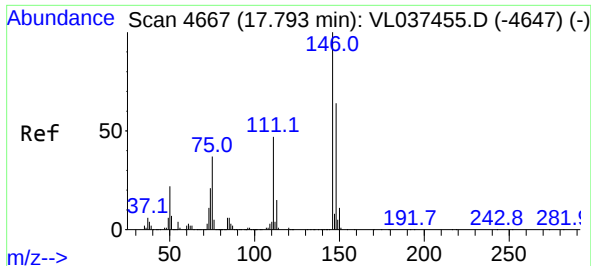


#76  
1,4-Dichlorobenzene  
Concen: 8.124 ppbv  
RT: 17.130 min Scan# 4461  
Delta R.T. 0.016 min  
Lab File: VL037543.D  
Acq: 7 Sep 2021 10:07

Tgt Ion:146 Resp: 3245569

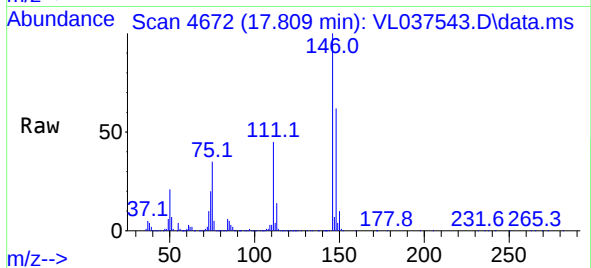
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 111 | 46.2  | 22.1  | 66.5  |
| 148 | 67.5  | 32.4  | 97.0  |





#77  
1,2-Dichlorobenzene  
Concen: 8.224 ppbv  
RT: 17.809 min Scan# 4672  
Delta R.T. 0.016 min  
Lab File: VL037543.D  
Acq: 7 Sep 2021 10:07

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0907ABS01

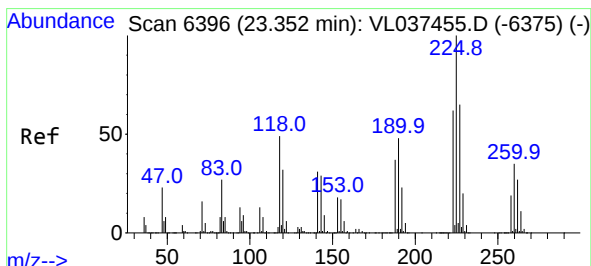
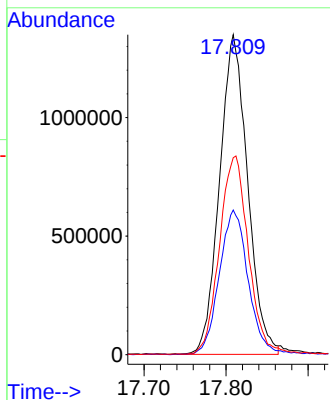
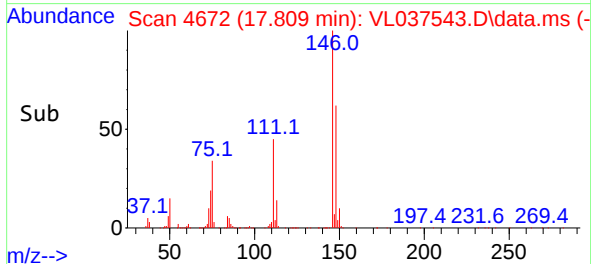


Tgt Ion:146 Resp: 3211666

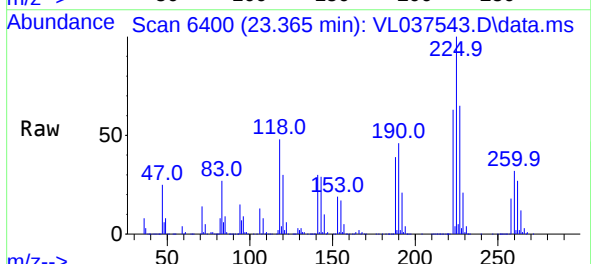
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 111 | 47.1  | 23.4  | 70.3  |
| 148 | 64.6  | 32.5  | 97.5  |

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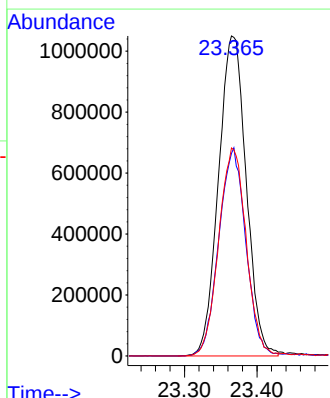
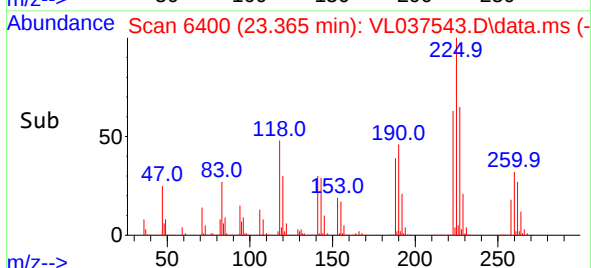


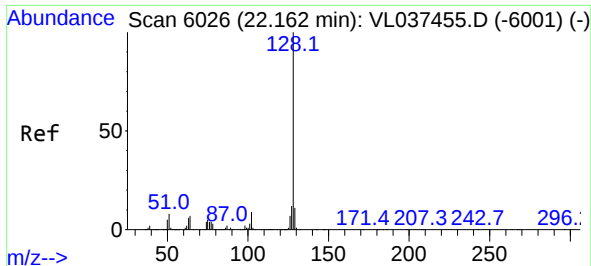
#78  
Hexachloro-1,3-Butadiene  
Concen: 8.602 ppbv  
RT: 23.365 min Scan# 6400  
Delta R.T. 0.013 min  
Lab File: VL037543.D  
Acq: 7 Sep 2021 10:07



Tgt Ion:225 Resp: 2793120

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 225 | 100   |       |       |
| 223 | 63.6  | 51.4  | 77.0  |
| 227 | 64.9  | 52.9  | 79.3  |





#79  
Naphthalene  
Concen: 11.560 ppbv  
RT: 22.185 min Scan# 6033  
Delta R.T. 0.023 min  
Lab File: VL037543.D  
Acq: 7 Sep 2021 10:07

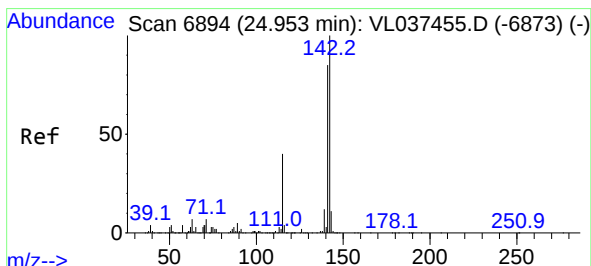
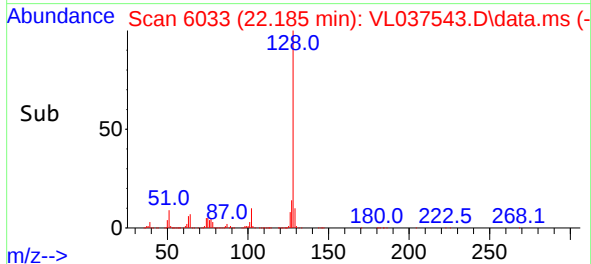
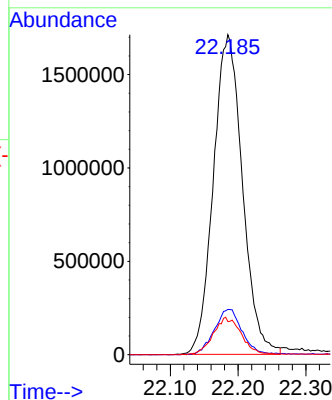
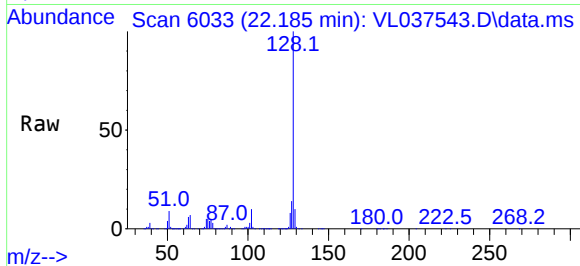
Tgt Ion:128 Resp: 5097018

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 127 | 14.1  | 9.4   | 14.2  |
| 129 | 10.3  | 8.8   | 13.2  |

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0907ABS01

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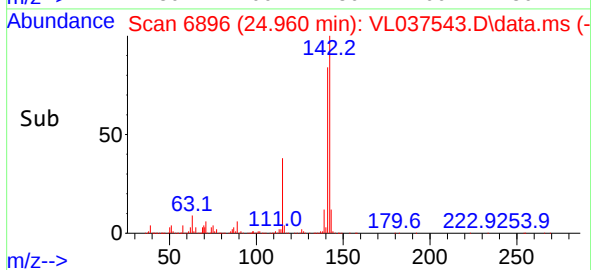
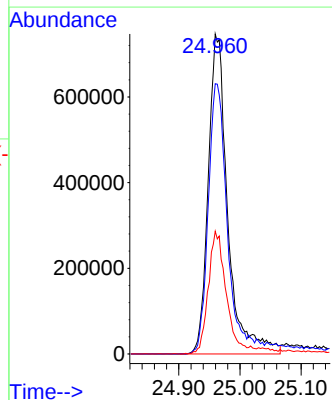
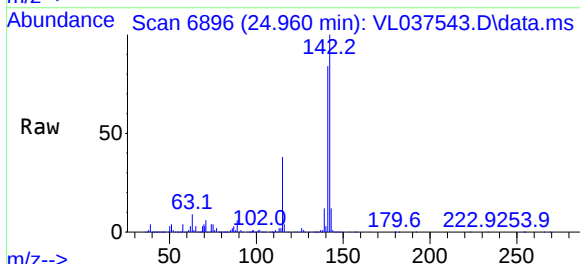
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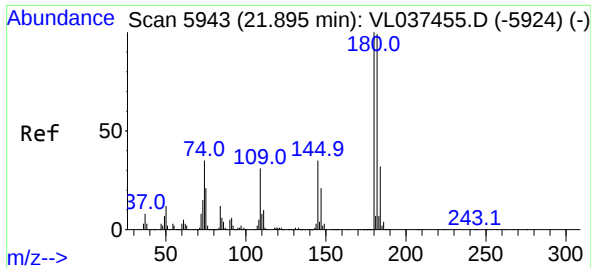


#80  
Naphthalene,2-methyl-  
Concen: 13.505 ppbv  
RT: 24.960 min Scan# 6896  
Delta R.T. 0.006 min  
Lab File: VL037543.D  
Acq: 7 Sep 2021 10:07

Tgt Ion:142 Resp: 1658965

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 142 | 100   |       |       |
| 141 | 88.1  | 64.7  | 97.1  |
| 115 | 37.8  | 28.4  | 42.6  |





#81  
 1,2,4-Trichlorobenzene  
 Concen: 10.329 ppbv  
 RT: 21.915 min Scan# 5949  
 Delta R.T. 0.019 min  
 Lab File: VL037543.D  
 Acq: 7 Sep 2021 10:07

Tgt Ion:180 Resp: 2857838

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 97.5  | 79.6  | 119.4 |
| 184 | 31.5  | 25.4  | 38.2  |

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0907ABS01

Manual Integrations  
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