

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN021221\  
 Data File : VN065852.D  
 Acq On : 12 Feb 2021 20:50  
 Operator : JC/MD  
 Sample : VSTDCCC020  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020EC

Manual Integrations  
 APPROVED

MMDadoda  
 2/15/2021 1:32:28 PM

Quant Time: Feb 13 01:02:54 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N020321W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Wed Feb 03 14:50:04 2021  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc   | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|--------|--------|----------|
| -----                        |                |      |            |        |        |          |
| Internal Standards           |                |      |            |        |        |          |
| 1) Bromochloromethane        | 7.148          | 128  | 29728      | 30.00  | ug/l   | 0.00     |
| 28) 1,4-Difluorobenzene      | 8.547          | 114  | 168204     | 30.00  | ug/l   | 0.00     |
| 57) Chlorobenzene-d5         | 11.376         | 117  | 150345     | 30.00  | ug/l   | 0.00     |
|                              |                |      |            |        |        |          |
| System Monitoring Compounds  |                |      |            |        |        |          |
| 27) 1,2-Dichloroethane-d4    | 7.987          | 65   | 58358      | 28.30  | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 91 - 110 |      | Recovery = | 94.33% |        |          |
| 60) 4-Bromofluorobenzene     | 12.370         | 95   | 70916      | 28.99  | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 63 - 112 |      | Recovery = | 96.63% |        |          |
| 63) Toluene-d8               | 10.055         | 98   | 210712     | 29.15  | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 91 - 112 |      | Recovery = | 97.17% |        |          |
|                              |                |      |            |        |        |          |
| Target Compounds             |                |      |            |        |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.837          | 85   | 33858      | 19.06  | ug/l   | 98       |
| 3) Chloromethane             | 2.039          | 50   | 46229      | 17.75  | ug/l   | 99       |
| 4) Vinyl Chloride            | 2.168          | 62   | 48197      | 18.71  | ug/l   | 100      |
| 5) Bromomethane              | 2.538          | 94   | 27186      | 17.69  | ug/l   | 96       |
| 6) Chloroethane              | 2.679          | 64   | 27126      | 18.24  | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 2.991          | 101  | 50885      | 19.05  | ug/l   | 98       |
| 8) Diethyl Ether             | 3.377          | 74   | 23330      | 19.05  | ug/l   | 94       |
| 9) 1,1,2-Trichlorotrifluo... | 3.714          | 101  | 32764      | 20.07  | ug/l   | 92       |
| 10) 1,1-Dichloroethene       | 3.695          | 96   | 33739      | 19.41  | ug/l   | 97       |
| 11) Methyl Iodide            | 3.904          | 142  | 41716      | 17.03  | ug/l   | 97       |
| 12) Methyl Acetate           | 4.283          | 43   | 35112      | 16.68  | ug/l   | 99       |
| 13) Acrolein                 | 3.570          | 56   | 30025      | 106.20 | ug/l   | 99       |
| 14) Acrylonitrile            | 4.936          | 53   | 77309      | 82.62  | ug/l   | 99       |
| 15) Acetone                  | 3.779          | 58   | 20212      | 70.60  | ug/l   | 96       |
| 16) Carbon Disulfide         | 4.000          | 76   | 93303      | 17.11  | ug/l   | 100      |
| 17) Allyl chloride           | 4.271          | 41   | 53257      | 16.14  | ug/l   | 93       |
| 18) Methylene Chloride       | 4.499          | 84   | 38811      | 18.94  | ug/l   | 96       |
| 19) trans-1,2-Dichloroethene | 4.984          | 96   | 35302      | 18.57  | ug/l   | 95       |
| 20) Diisopropyl ether        | 5.910          | 45   | 113133     | 17.00  | ug/l   | 94       |
| 21) 1,1-Dichloroethane       | 5.795          | 63   | 66518      | 18.11  | ug/l   | 99       |
| 22) cis-1,2-Dichloroethene   | 6.779          | 96   | 40601      | 18.59  | ug/l   | 100      |
| 23) tert-Butyl Alcohol       | 4.766          | 59   | 24990      | 74.65  | ug/l # | 100      |
| 24) Methyl tert-Butyl Ether  | 5.000          | 73   | 105121     | 18.09  | ug/l   | 96       |
| 25) Chloroform               | 7.325          | 83   | 62202      | 18.67  | ug/l   | 94       |
| 26) Cyclohexane              | 7.608          | 56   | 60082      | 17.49  | ug/l # | 92       |
| 29) 1,1-Dichloropropene      | 7.750          | 75   | 48811      | 17.97  | ug/l   | 98       |
| 30) 2-Butanone               | 6.795          | 43   | 90957      | 74.81  | ug/l   | 99       |
| 31) 2,2-Dichloropropane      | 6.775          | 77   | 45060      | 15.85  | ug/l   | 97       |
| 32) 1,1,1-Trichloroethane    | 7.524          | 97   | 49334      | 18.31  | ug/l   | 98       |
| 33) Carbon Tetrachloride     | 7.730          | 117  | 40324      | 18.12  | ug/l   | 97       |
| 34) Benzene                  | 8.000          | 78   | 155165     | 18.49  | ug/l   | 96       |
| 35) Methacrylonitrile        | 7.123          | 41   | 19187      | 15.02  | ug/l   | 99       |
| 36) 1,2-Dichloroethane       | 8.084          | 62   | 45713      | 18.14  | ug/l   | 97       |
| 37) Trichloroethene          | 8.801          | 130  | 39626      | 19.56  | ug/l   | 97       |
| 38) Methylcyclohexane        | 9.042          | 83   | 55969      | 17.38  | ug/l   | 98       |
| 39) 1,2-Dichloropropane      | 9.081          | 63   | 40944      | 17.96  | ug/l   | 99       |
| 40) Dibromomethane           | 9.171          | 93   | 23182      | 17.94  | ug/l   | 86       |
| 41) Bromodichloromethane     | 9.367          | 83   | 44834      | 17.13  | ug/l   | 99       |
| 42) Vinyl Acetate            | 5.846          | 43   | 422937     | 79.41  | ug/l   | 100      |

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 Operator : JC/MD  
 Sample : VSTDCCC020  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020EC

Manual Integrations  
 APPROVED

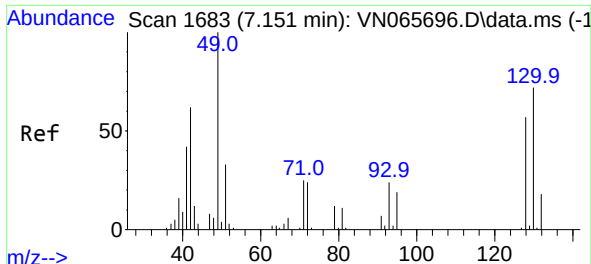
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Quant Time: Feb 13 01:02:54 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N020321W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Wed Feb 03 14:50:04 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 43) Ethyl Acetate             | 6.888  | 43   | 40954    | 16.44  | ug/l   | 94       |
| 44) Isopropyl Acetate         | 8.129  | 43   | 67040    | 15.57  | ug/l   | 93       |
| 45) 1,4-Dioxane               | 9.167  | 88   | 11516    | 322.42 | ug/l   | 95       |
| 46) Methyl methacrylate       | 9.167  | 41   | 33789    | 16.37  | ug/l   | 95       |
| 47) n-amyl Acetate            | 12.042 | 43   | 56251    | 15.61  | ug/l   | 100      |
| 48) t-1,3-Dichloropropene     | 10.351 | 75   | 50689    | 16.40  | ug/l   | 98       |
| 49) cis-1,3-Dichloropropene   | 9.804  | 75   | 59516    | 16.99  | ug/l   | 96       |
| 50) 1,1,2-Trichloroethane     | 10.531 | 97   | 35688    | 18.87  | ug/l   | 98       |
| 51) Ethyl methacrylate        | 10.399 | 69   | 52600    | 17.27  | ug/l   | 90       |
| 52) 1,3-Dichloropropane       | 10.675 | 76   | 63262    | 18.68  | ug/l   | 100      |
| 53) Dibromochloromethane      | 10.872 | 129  | 33562    | 17.51  | ug/l   | 99       |
| 54) 1,2-Dibromoethane         | 10.974 | 107  | 36237    | 19.12  | ug/l   | 96       |
| 55) 2-Chloroethyl vinyl ether | 9.663  | 63   | 123871   | 91.56  | ug/l   | 98       |
| 56) Bromoform                 | 12.097 | 173  | 20997    | 17.35  | ug/l # | 96       |
| 58) 4-Methyl-2-Pentanone      | 9.952  | 43   | 198918   | 79.65  | ug/l   | 97       |
| 59) 2-Hexanone                | 10.720 | 43   | 138480   | 77.47  | ug/l   | 97       |
| 61) Tetrachloroethene         | 10.598 | 164  | 37516    | 18.95  | ug/l   | 95       |
| 62) Toluene                   | 10.122 | 91   | 164850   | 18.75  | ug/l   | 99       |
| 64) Chlorobenzene             | 11.402 | 112  | 97949    | 18.89  | ug/l   | 100      |
| 65) 1,1,1,2-Tetrachloroethane | 11.479 | 131  | 32996    | 18.29  | ug/l   | 96       |
| 66) Ethyl Benzene             | 11.479 | 91   | 173112   | 18.40  | ug/l   | 100      |
| 67) m/p-Xylenes               | 11.592 | 106  | 133644   | 38.14  | ug/l   | 99       |
| 68) o-Xylene                  | 11.917 | 106  | 64721    | 18.97  | ug/l   | 98       |
| 69) Styrene                   | 11.933 | 104  | 104742   | 18.98  | ug/l   | 99       |
| 70) Isopropylbenzene          | 12.219 | 105  | 165826   | 18.92  | ug/l   | 98       |
| 71) 1,1,2,2-Tetrachloroethane | 12.473 | 83   | 48676    | 18.93  | ug/l   | 97       |
| 72) 1,2,3-Trichloropropane    | 12.524 | 75   | 44312m   | 17.59  | ug/l   |          |
| 73) Bromobenzene              | 12.495 | 156  | 38437    | 19.47  | ug/l   | 80       |
| 74) n-propylbenzene           | 12.560 | 91   | 184049   | 18.17  | ug/l   | 97       |
| 75) 2-Chlorotoluene           | 12.643 | 91   | 112122   | 18.27  | ug/l   | 94       |
| 76) 1,3,5-Trimethylbenzene    | 12.704 | 105  | 138566   | 18.88  | ug/l   | 97       |
| 77) t-1,4-Dichloro-2-butene   | 12.270 | 75   | 13124    | 13.35  | ug/l   | 99       |
| 78) 4-Chlorotoluene           | 12.743 | 91   | 110121   | 18.04  | ug/l   | 97       |
| 79) tert-butylbenzene         | 12.965 | 119  | 115128   | 18.99  | ug/l   | 99       |
| 80) 1,2,4-Trimethylbenzene    | 13.010 | 105  | 137560   | 18.73  | ug/l   | 97       |
| 81) sec-Butylbenzene          | 13.142 | 105  | 148373   | 18.33  | ug/l   | 96       |
| 82) p-Isopropyltoluene        | 13.257 | 119  | 131343   | 18.22  | ug/l   | 99       |
| 83) 1,3-Dichlorobenzene       | 13.254 | 146  | 65517    | 18.97  | ug/l   | 97       |
| 84) 1,4-Dichlorobenzene       | 13.335 | 146  | 62946    | 18.58  | ug/l   | 95       |
| 85) n-Butylbenzene            | 13.585 | 91   | 107493   | 17.09  | ug/l   | 98       |
| 86) Hexachloroethane          | 13.843 | 117  | 19608    | 15.67  | ug/l   | 76       |
| 87) 1,2-Dichlorobenzene       | 13.624 | 146  | 64841    | 18.78  | ug/l   | 96       |
| 88) 1,2-Dibromo-3-Chloropr... | 14.241 | 75   | 7388     | 14.91  | ug/l   | 82       |
| 89) 1,2,4-Trichlorobenzene    | 14.878 | 180  | 29274    | 16.26  | ug/l   | 99       |
| 90) Hexachlorobutadiene       | 14.978 | 225  | 14542    | 17.81  | ug/l   | 96       |
| 91) Naphthalene               | 15.100 | 128  | 93875    | 16.29  | ug/l   | 100      |
| 92) 1,2,3-Trichlorobenzene    | 15.280 | 180  | 29762    | 16.48  | ug/l   | 98       |

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





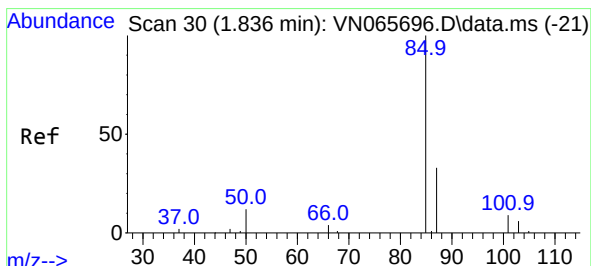
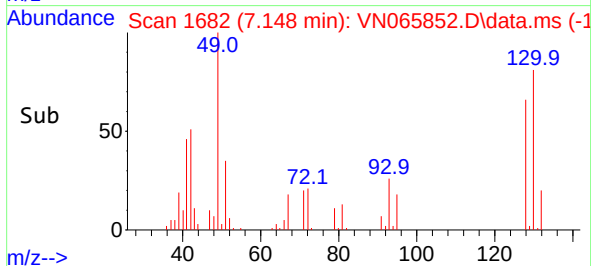
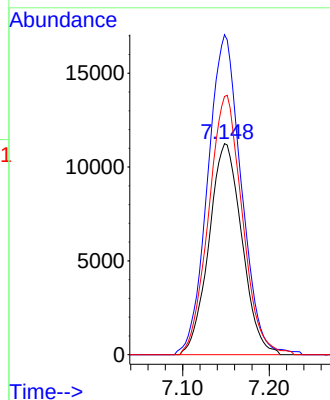
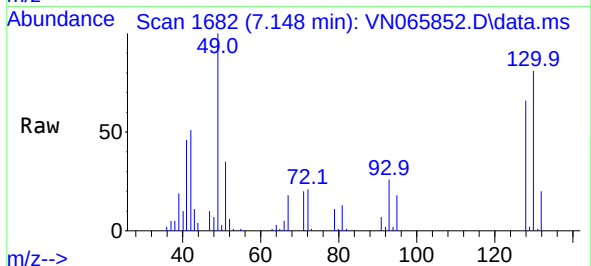
#1  
Bromochloromethane  
Concen: 30.00 ug/l  
RT: 7.148 min Scan# 1682  
Delta R.T. -0.003 min  
Lab File: VN065852.D  
Acq: 12 Feb 2021 20:50

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 29728 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 49       | 154.4 | 0.0   | 355.0 |
| 130      | 125.1 | 0.0   | 325.5 |

Instrument :  
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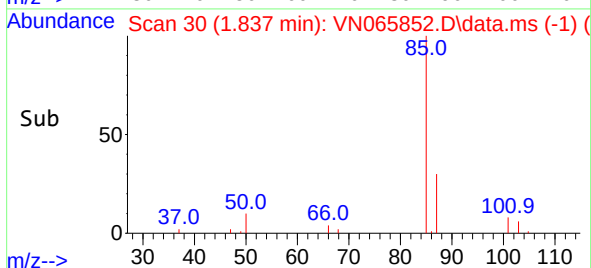
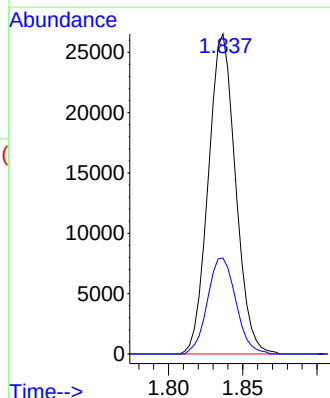
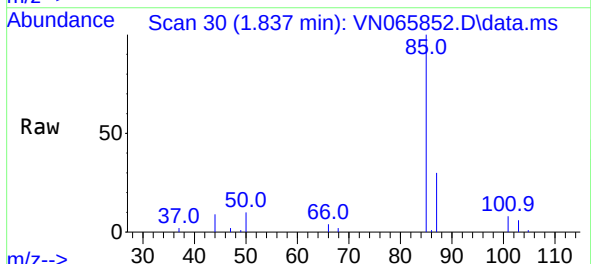
Manual Integrations  
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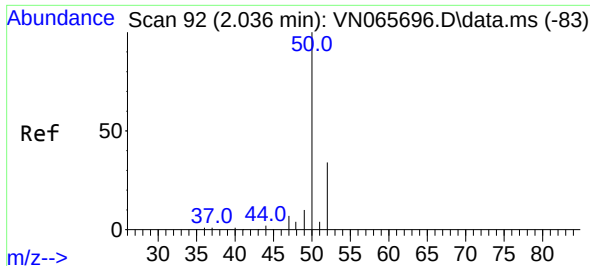
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#2  
Dichlorodifluoromethane  
Concen: 19.06 ug/l  
RT: 1.837 min Scan# 30  
Delta R.T. 0.000 min  
Lab File: VN065852.D  
Acq: 12 Feb 2021 20:50

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 85    | Resp: | 33858 |
| Ion      | Ratio | Lower | Upper |
| 85       | 100   |       |       |
| 87       | 30.0  | 14.6  | 43.8  |





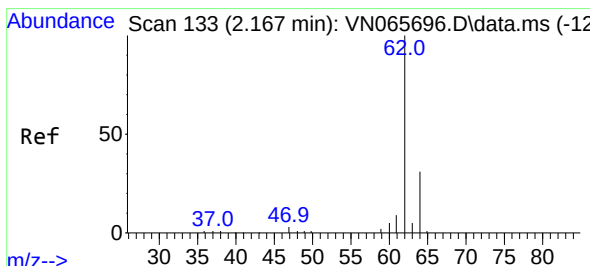
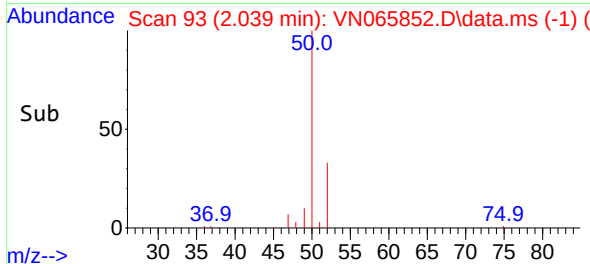
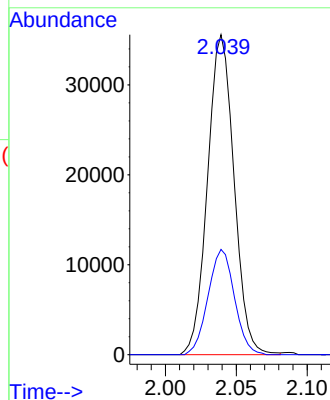
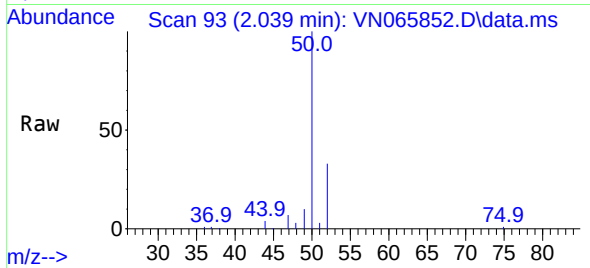
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Chloromethane  
Concen: 17.75 ug/l  
RT: 2.039 min Scan# 93  
Delta R.T. 0.003 min  
Lab File: VN065852.D  
Acq: 12 Feb 2021 20:50

Tgt Ion: 50 Resp: 46229  
Ion Ratio Lower Upper  
50 100  
52 32.9 26.8 40.2

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

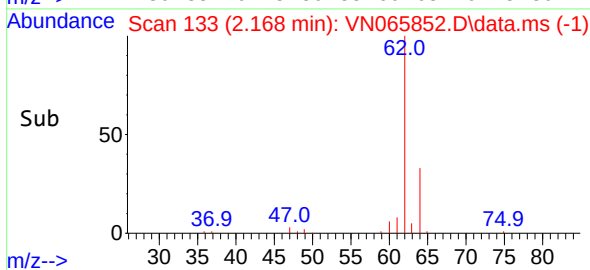
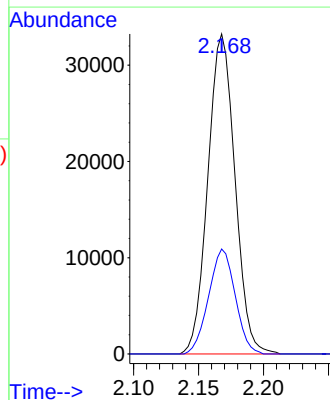
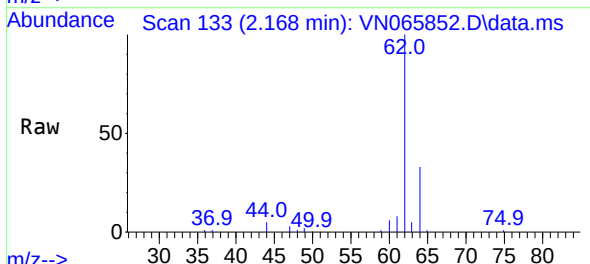
Manual Integrations  
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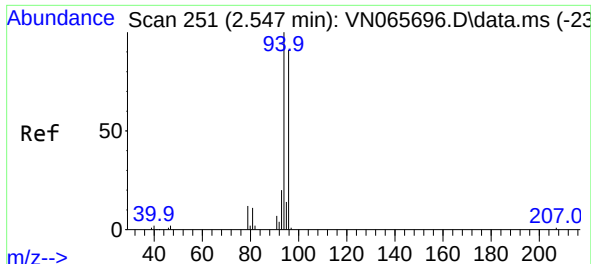
MMDadoda  
2/15/2021 1:32:28 PM



#4  
Vinyl Chloride  
Concen: 18.71 ug/l  
RT: 2.168 min Scan# 133  
Delta R.T. 0.000 min  
Lab File: VN065852.D  
Acq: 12 Feb 2021 20:50

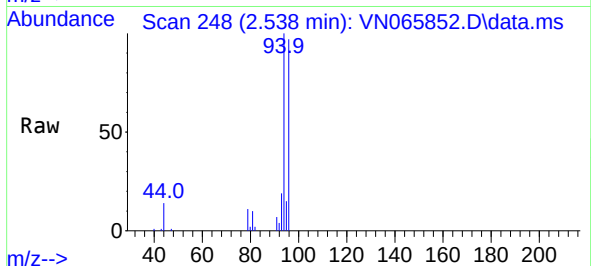
Tgt Ion: 62 Resp: 48197  
Ion Ratio Lower Upper  
62 100  
64 32.8 26.2 39.4





#5  
Bromomethane  
Concen: 17.69 ug/l  
RT: 2.538 min Scan# 248  
Delta R.T. -0.009 min  
Lab File: VN065852.D  
Acq: 12 Feb 2021 20:50

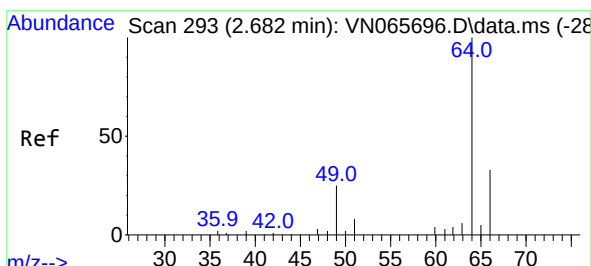
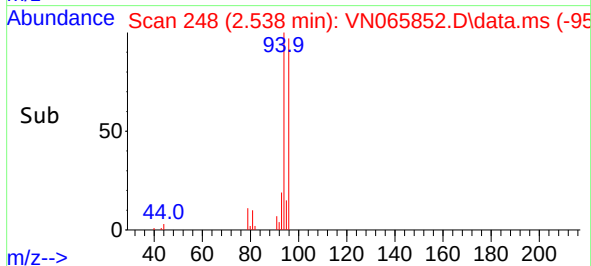
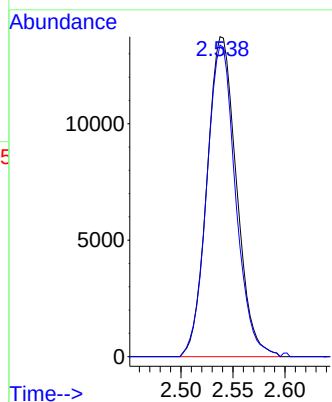
Instrument :  
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ClientSampleId :  
VSTDCCC020EC



Tgt Ion: 94 Resp: 27186  
Ion Ratio Lower Upper  
94 100  
96 97.4 74.6 111.8

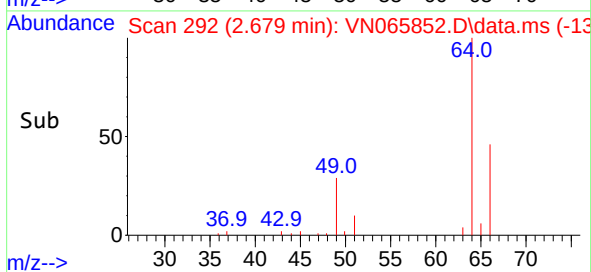
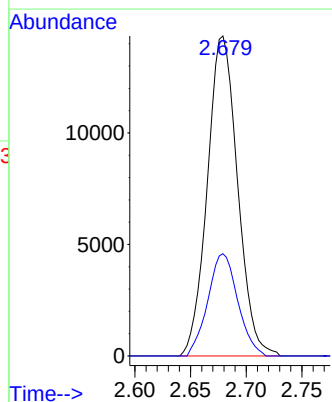
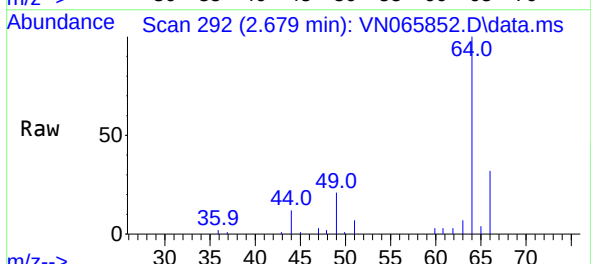
Manual Integrations  
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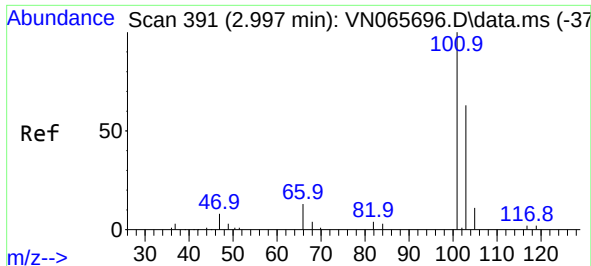
MMDadoda  
2/15/2021 1:32:28 PM



#6  
Chloroethane  
Concen: 18.24 ug/l  
RT: 2.679 min Scan# 292  
Delta R.T. -0.003 min  
Lab File: VN065852.D  
Acq: 12 Feb 2021 20:50

Tgt Ion: 64 Resp: 27126  
Ion Ratio Lower Upper  
64 100  
66 31.9 26.3 39.5





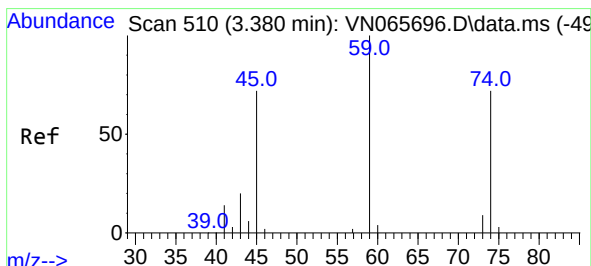
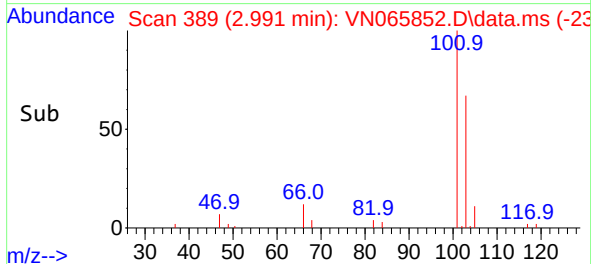
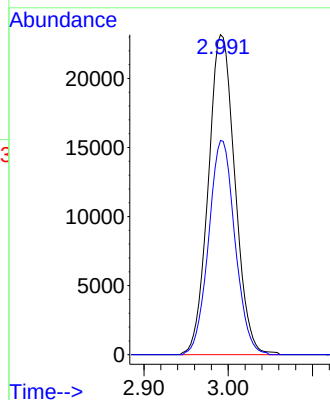
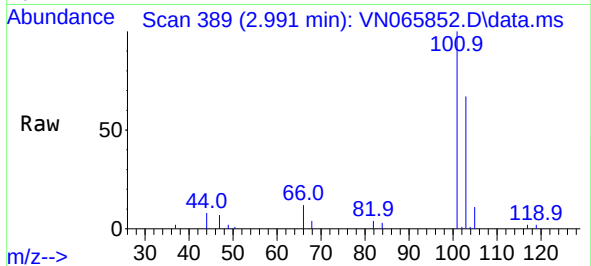
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 Trichlorofluoromethane  
 Concen: 19.05 ug/l  
 RT: 2.991 min Scan# 389  
 Delta R.T. -0.006 min  
 Lab File: VN065852.D  
 Acq: 12 Feb 2021 20:50

Tgt Ion:101 Resp: 50885  
 Ion Ratio Lower Upper  
 101 100  
 103 67.0 52.6 78.8

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 VSTDCCC020EC

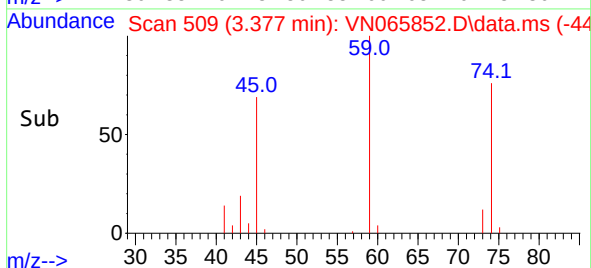
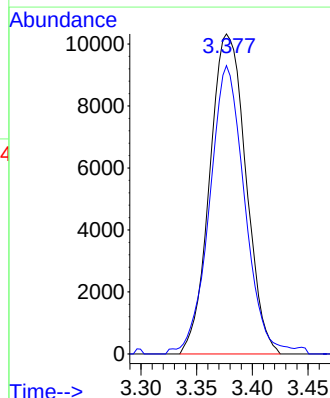
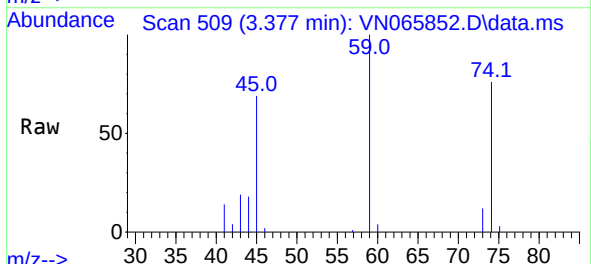
Manual Integrations  
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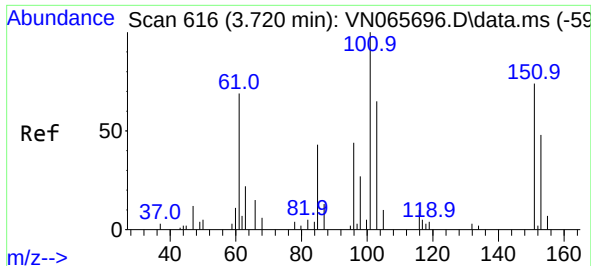
MMDadoda  
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#8  
 Diethyl Ether  
 Concen: 19.05 ug/l  
 RT: 3.377 min Scan# 509  
 Delta R.T. -0.003 min  
 Lab File: VN065852.D  
 Acq: 12 Feb 2021 20:50

Tgt Ion: 74 Resp: 23330  
 Ion Ratio Lower Upper  
 74 100  
 45 87.1 18.5 166.9





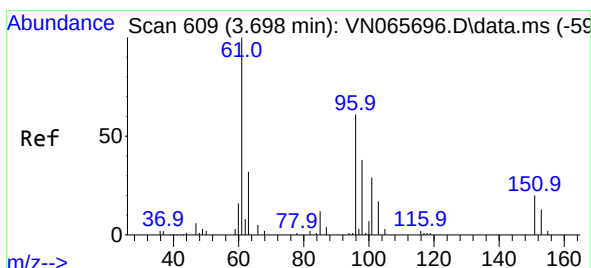
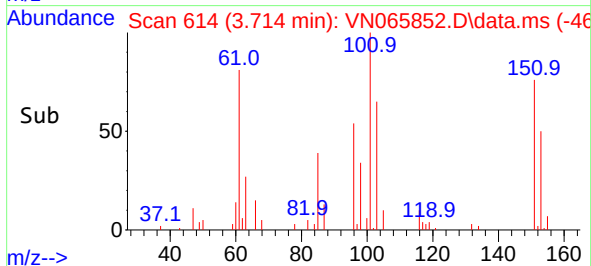
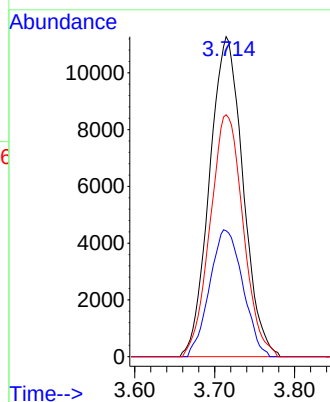
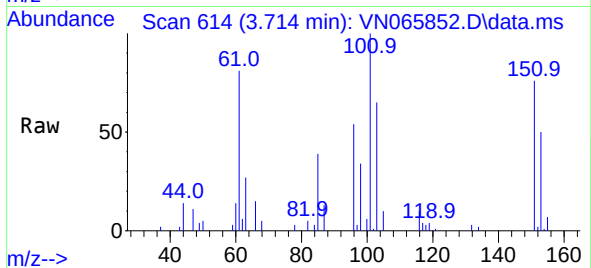
#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 20.07 ug/l  
RT: 3.714 min Scan# 614  
Delta R.T. -0.006 min  
Lab File: VN065852.D  
Acq: 12 Feb 2021 20:50

Tgt Ion:101 Resp: 32764  
Ion Ratio Lower Upper  
101 100  
85 39.3 0.0 80.6  
151 74.8 0.0 169.2

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

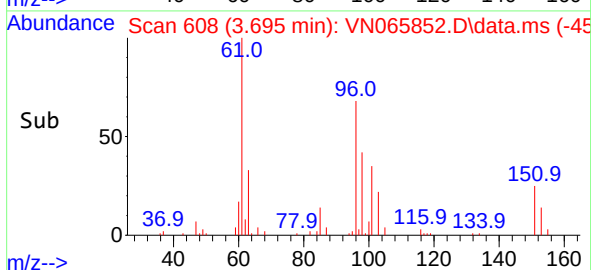
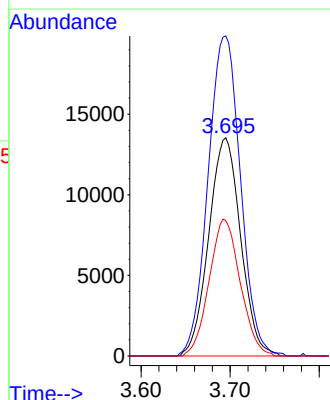
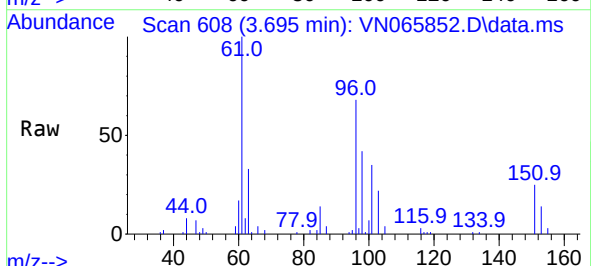
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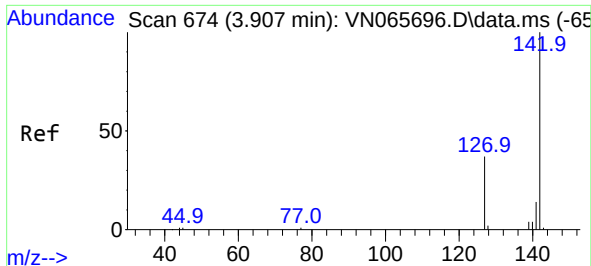


#10  
1,1-Dichloroethene  
Concen: 19.41 ug/l  
RT: 3.695 min Scan# 608  
Delta R.T. -0.003 min  
Lab File: VN065852.D  
Acq: 12 Feb 2021 20:50

Tgt Ion: 96 Resp: 33739  
Ion Ratio Lower Upper  
96 100  
61 145.4 119.9 179.9  
98 62.0 51.2 76.8

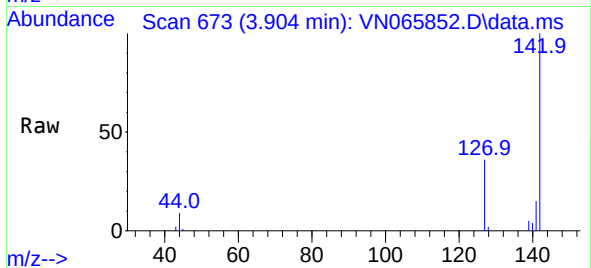






#11  
Methyl Iodide  
Concen: 17.03 ug/l  
RT: 3.904 min Scan# 673  
Delta R.T. -0.003 min  
Lab File: VN065852.D  
Acq: 12 Feb 2021 20:50

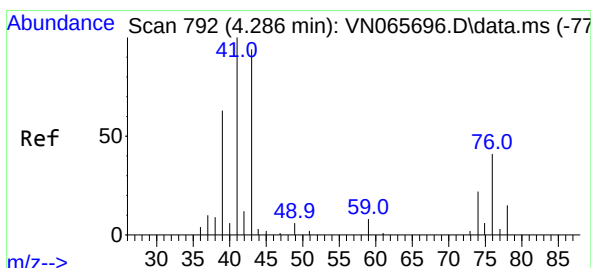
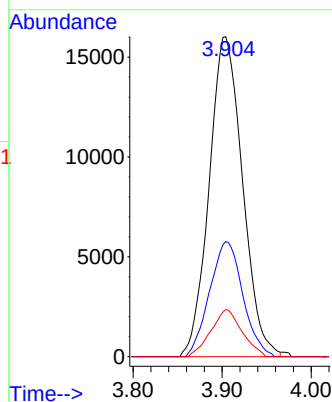
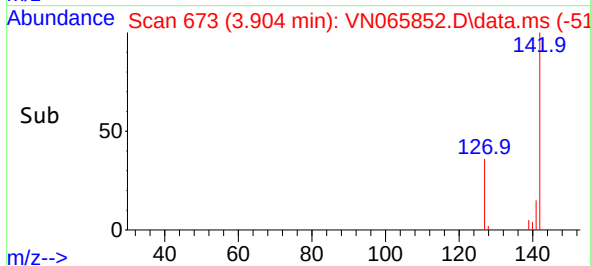
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



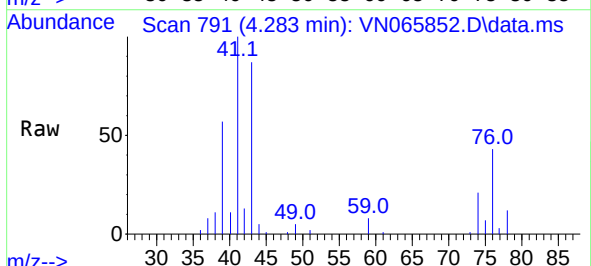
Tgt Ion:142 Resp: 41716  
Ion Ratio Lower Upper  
142 100  
127 36.2 19.1 57.5  
141 14.8 7.0 20.9

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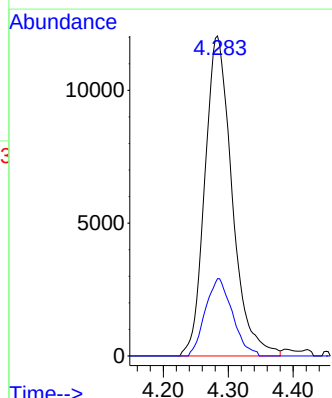
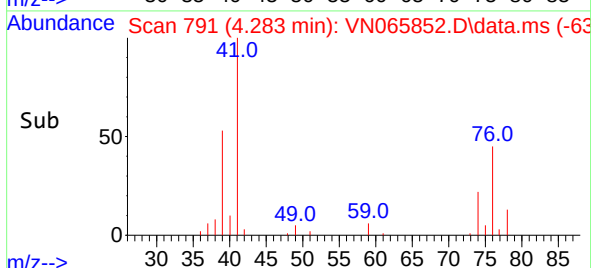
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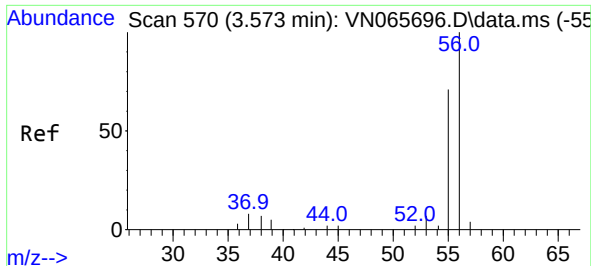


#12  
Methyl Acetate  
Concen: 16.68 ug/l  
RT: 4.283 min Scan# 791  
Delta R.T. -0.003 min  
Lab File: VN065852.D  
Acq: 12 Feb 2021 20:50



Tgt Ion: 43 Resp: 35112  
Ion Ratio Lower Upper  
43 100  
74 24.3 19.9 29.9





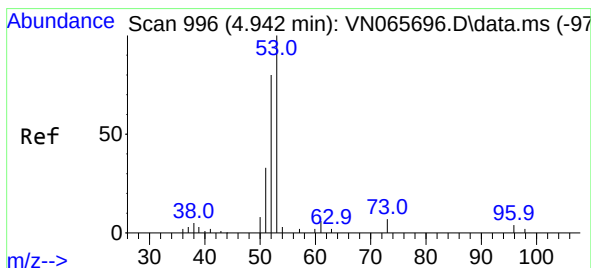
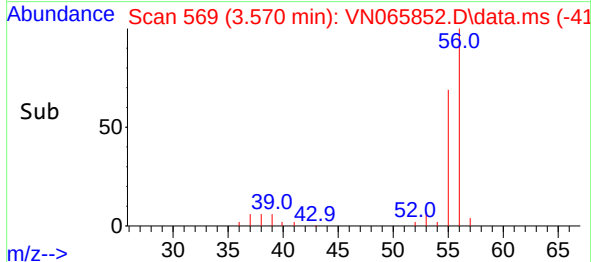
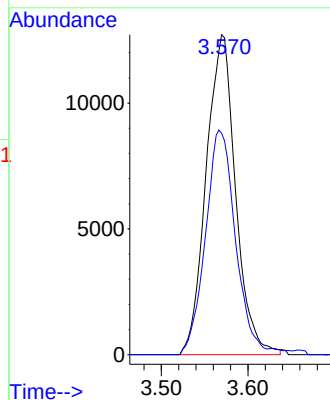
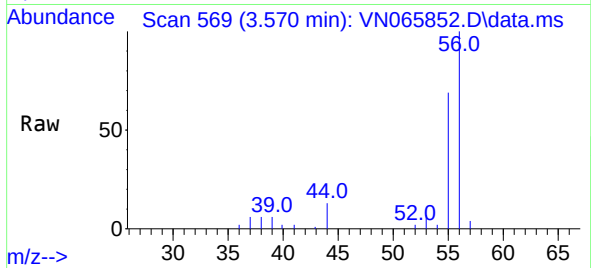
#13  
Acrolein  
Concen: 106.20 ug/l  
RT: 3.570 min Scan# 569  
Delta R.T. -0.003 min  
Lab File: VN065852.D  
Acq: 12 Feb 2021 20:50

Tgt Ion: 56 Resp: 30025  
Ion Ratio Lower Upper  
56 100  
55 71.1 57.7 86.5

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

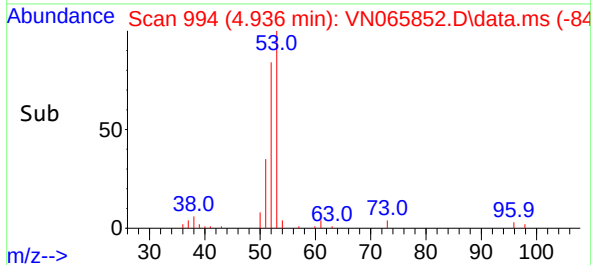
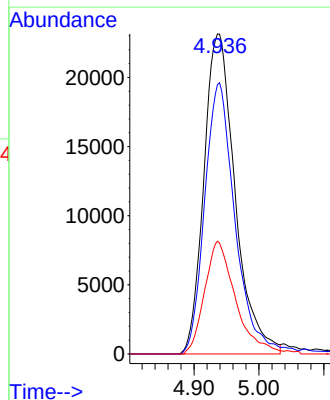
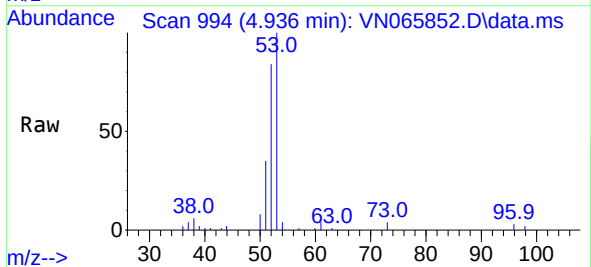
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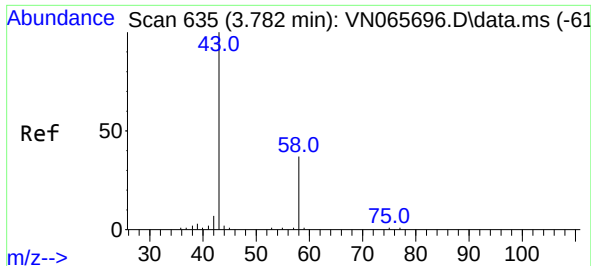
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#14  
Acrylonitrile  
Concen: 82.62 ug/l  
RT: 4.936 min Scan# 994  
Delta R.T. -0.006 min  
Lab File: VN065852.D  
Acq: 12 Feb 2021 20:50

Tgt Ion: 53 Resp: 77309  
Ion Ratio Lower Upper  
53 100  
52 81.1 40.7 122.1  
51 34.9 18.3 54.8





#15

Acetone

Concen: 70.60 ug/l

RT: 3.779 min Scan# 634

Delta R.T. -0.003 min

Lab File: VN065852.D

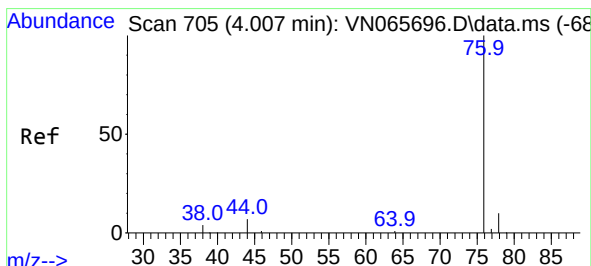
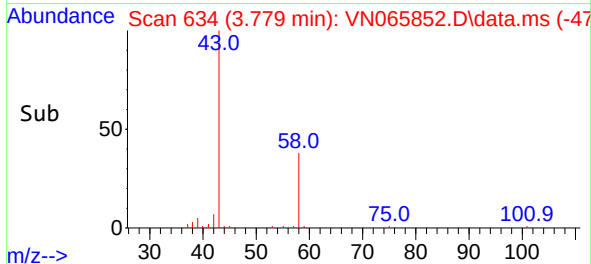
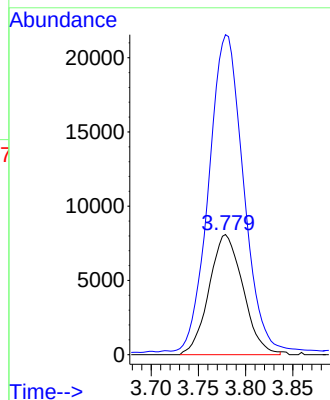
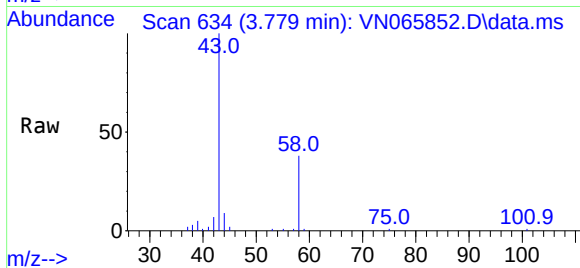
Acq: 12 Feb 2021 20:50

Tgt Ion: 58 Resp: 20212

Ion Ratio Lower Upper

58 100

43 261.4 203.4 305.0



#16

Carbon Disulfide

Concen: 17.11 ug/l

RT: 4.000 min Scan# 703

Delta R.T. -0.006 min

Lab File: VN065852.D

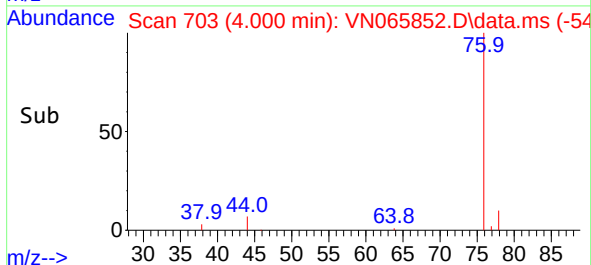
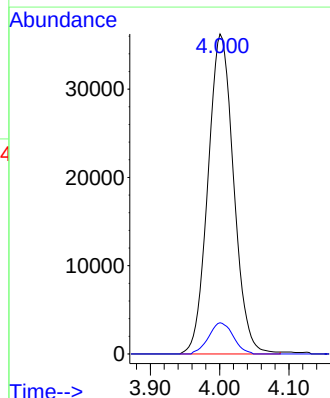
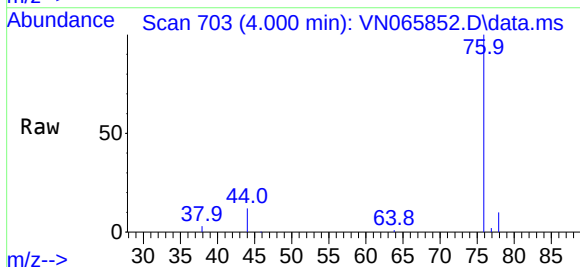
Acq: 12 Feb 2021 20:50

Tgt Ion: 76 Resp: 93303

Ion Ratio Lower Upper

76 100

78 9.8 7.8 11.8



Instrument :

MSVOA\_N

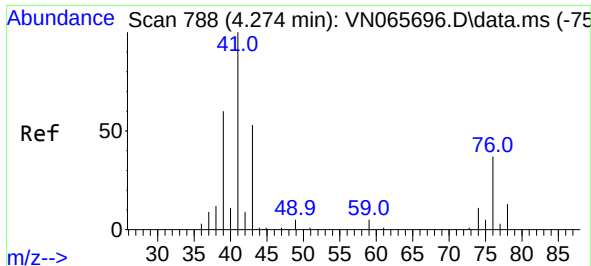
ClientSampleId :

VSTDCCC020EC

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#17

Allyl chloride

Concen: 16.14 ug/l

RT: 4.271 min Scan# 787

Delta R.T. -0.003 min

Lab File: VN065852.D

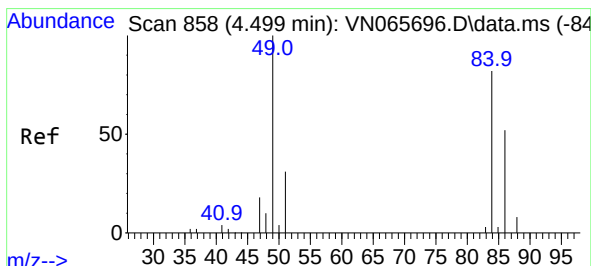
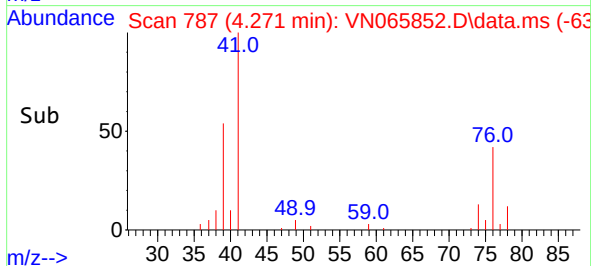
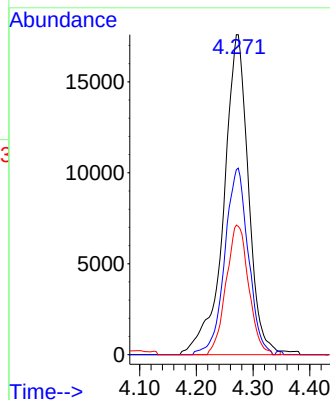
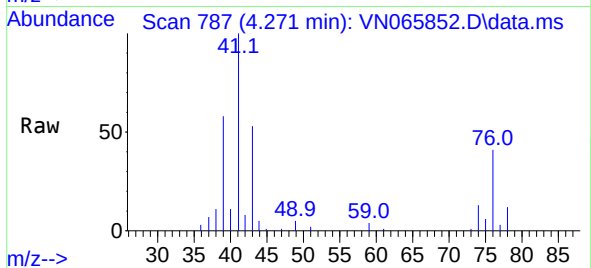
Acq: 12 Feb 2021 20:50

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 53257 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 57.8  | 33.5  | 100.5 |
| 76       | 40.5  | 20.3  | 60.8  |

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

Manual Integrations  
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#18

Methylene Chloride

Concen: 18.94 ug/l

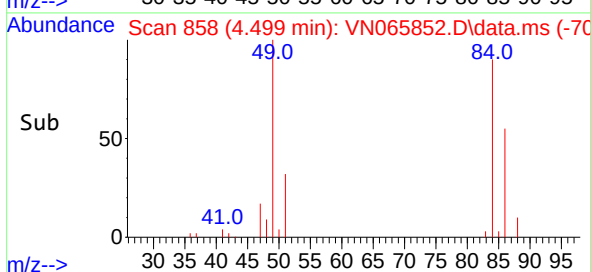
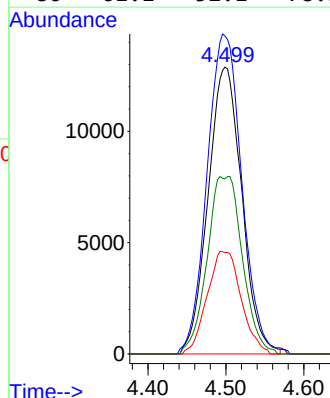
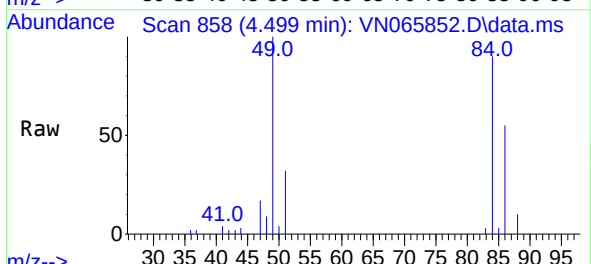
RT: 4.499 min Scan# 858

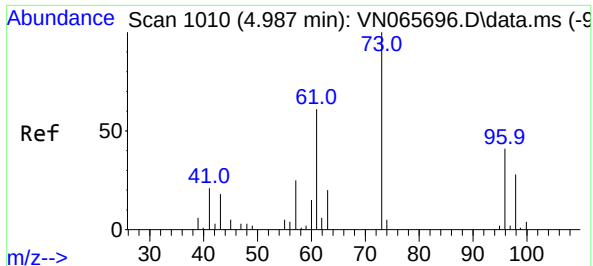
Delta R.T. 0.000 min

Lab File: VN065852.D

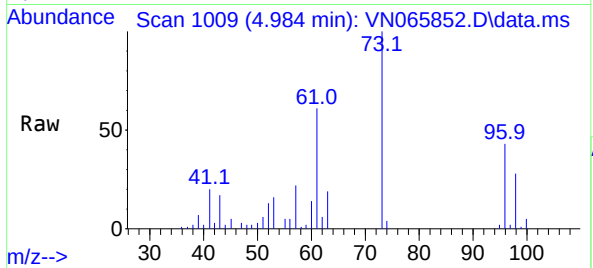
Acq: 12 Feb 2021 20:50

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 38811 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 109.1 | 91.3  | 136.9 |
| 51       | 35.4  | 28.8  | 43.2  |
| 86       | 61.1  | 52.1  | 78.1  |

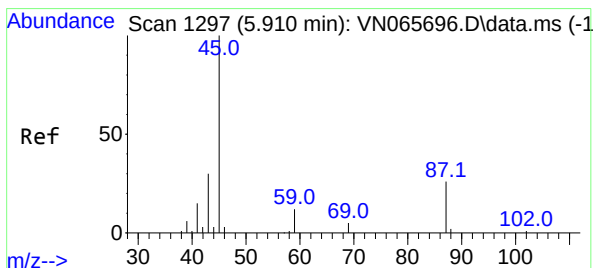
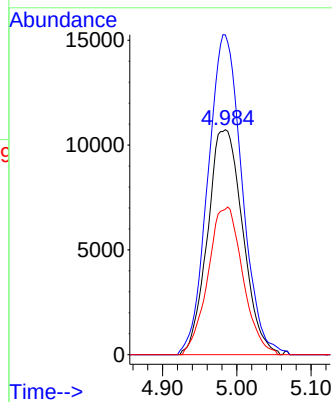
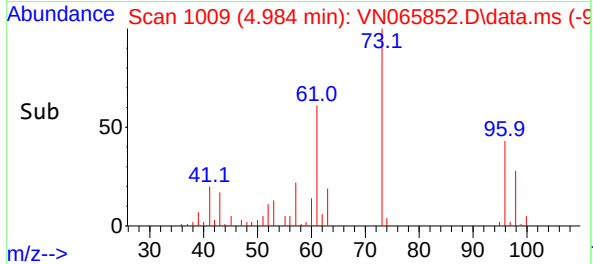




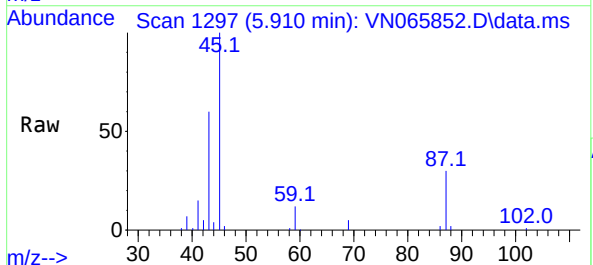
#19  
trans-1,2-Dichloroethene  
Concen: 18.57 ug/l  
RT: 4.984 min Scan# 1009  
Delta R.T. -0.003 min  
Lab File: VN065852.D  
Acq: 12 Feb 2021 20:50



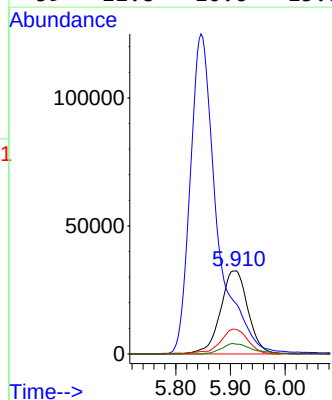
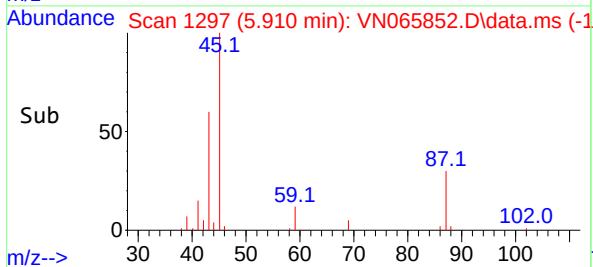
Tgt Ion: 96 Resp: 35302  
Ion Ratio Lower Upper  
96 100  
61 140.4 106.2 159.2  
98 64.7 52.4 78.6



#20  
Diisopropyl ether  
Concen: 17.00 ug/l  
RT: 5.910 min Scan# 1297  
Delta R.T. 0.000 min  
Lab File: VN065852.D  
Acq: 12 Feb 2021 20:50



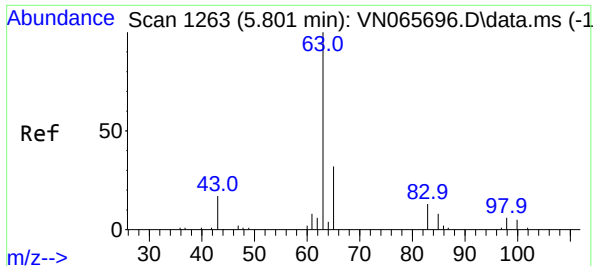
Tgt Ion: 45 Resp: 113133  
Ion Ratio Lower Upper  
45 100  
43 57.1 50.4 75.6  
87 29.5 24.5 36.7  
59 11.8 10.6 15.8



Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

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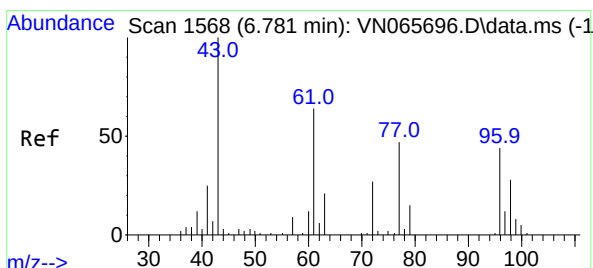
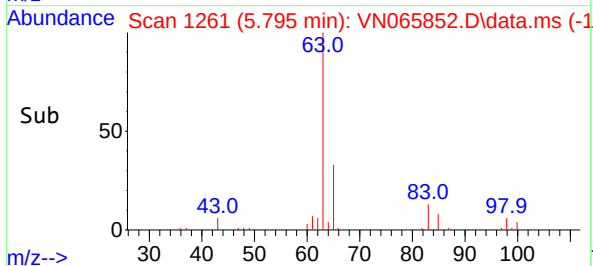
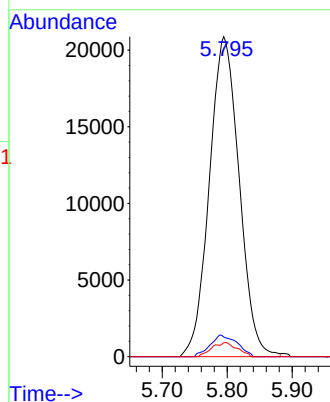
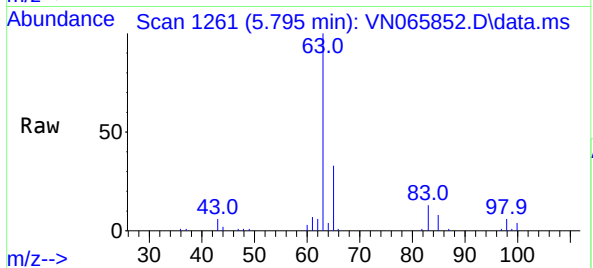
#21  
1,1-Dichloroethane  
Concen: 18.11 ug/l  
RT: 5.795 min Scan# 1261  
Delta R.T. -0.006 min  
Lab File: VN065852.D  
Acq: 12 Feb 2021 20:50

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 63    | Resp: | 66518 |
| Ion Ratio | Lower | Upper |       |
| 63        | 100   |       |       |
| 98        | 6.2   | 3.3   | 9.9   |
| 100       | 4.3   | 2.3   | 6.8   |

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

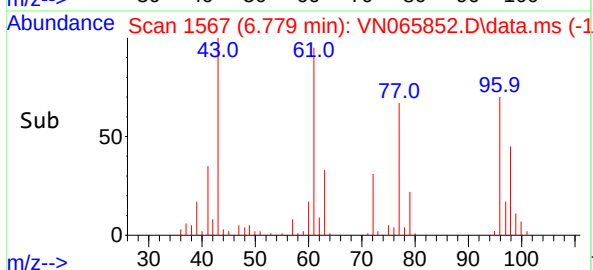
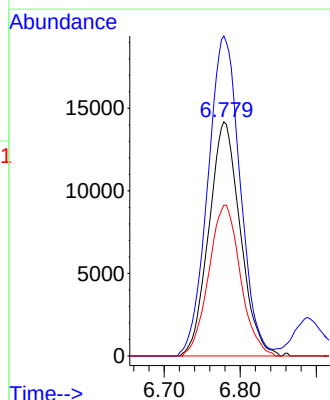
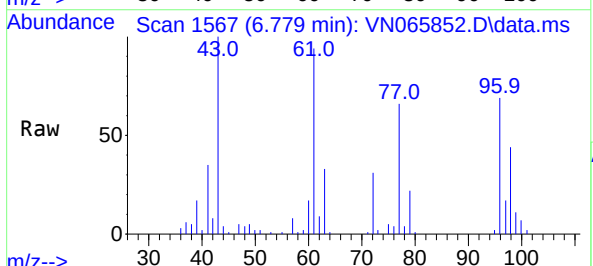
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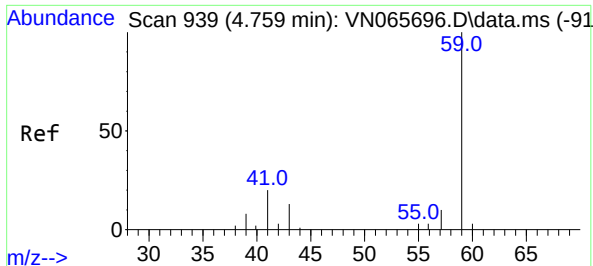
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#22  
cis-1,2-Dichloroethene  
Concen: 18.59 ug/l  
RT: 6.779 min Scan# 1567  
Delta R.T. -0.003 min  
Lab File: VN065852.D  
Acq: 12 Feb 2021 20:50

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 96    | Resp: | 40601 |
| Ion Ratio | Lower | Upper |       |
| 96        | 100   |       |       |
| 61        | 140.6 | 112.5 | 168.7 |
| 98        | 65.1  | 52.2  | 78.2  |





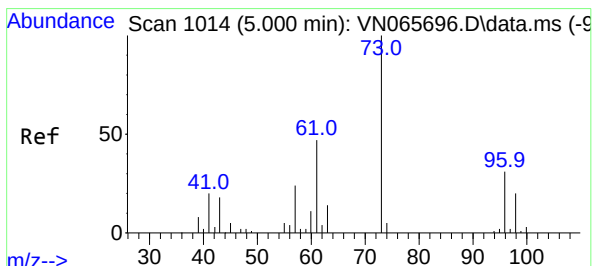
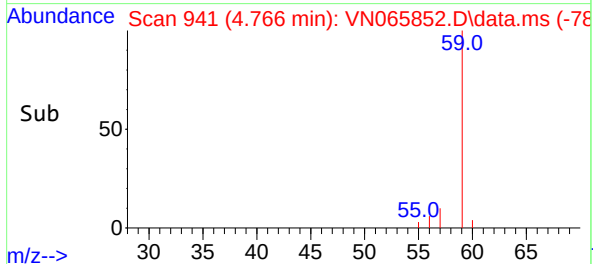
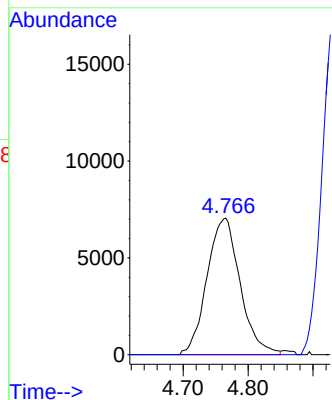
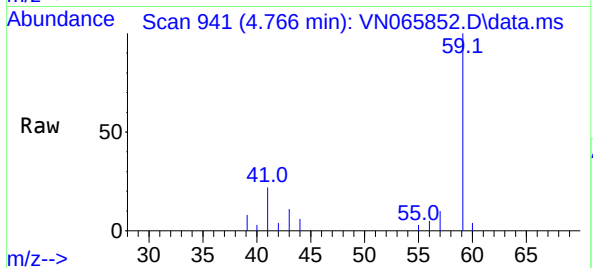
#23  
tert-Butyl Alcohol  
Concen: 74.65 ug/l  
RT: 4.766 min Scan# 941  
Delta R.T. 0.007 min  
Lab File: VN065852.D  
Acq: 12 Feb 2021 20:50

Tgt Ion: 59 Resp: 24990  
Ion Ratio Lower Upper  
59 100  
52 0.0 0.0 0.0

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

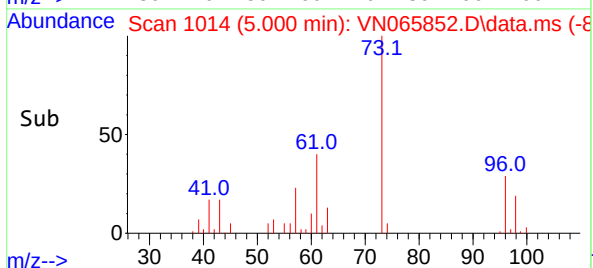
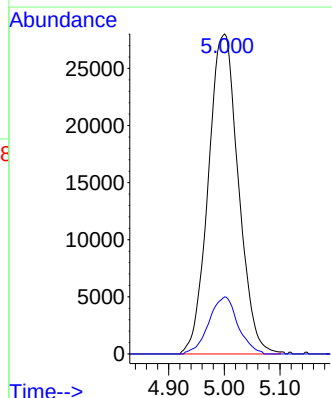
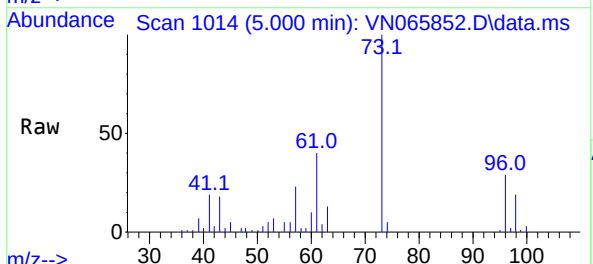
Manual Integrations  
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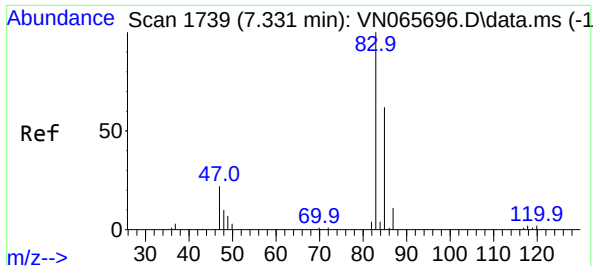
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#24  
Methyl tert-Butyl Ether  
Concen: 18.09 ug/l  
RT: 5.000 min Scan# 1014  
Delta R.T. 0.000 min  
Lab File: VN065852.D  
Acq: 12 Feb 2021 20:50

Tgt Ion: 73 Resp: 105121  
Ion Ratio Lower Upper  
73 100  
43 17.3 15.4 23.2





#25

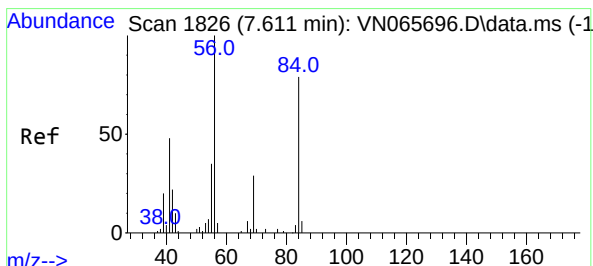
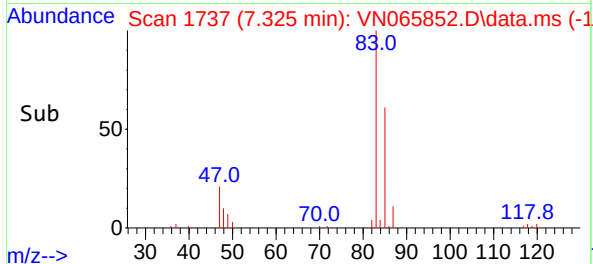
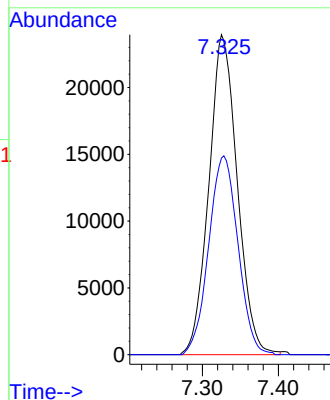
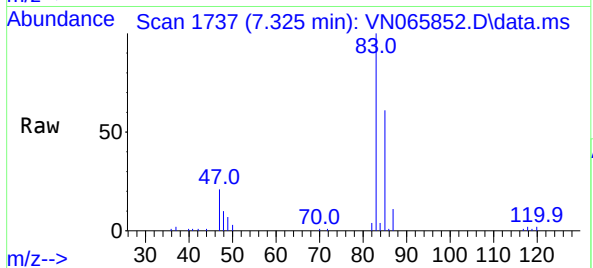
Chloroform  
Concen: 18.67 ug/l  
RT: 7.325 min Scan# 1737  
Delta R.T. -0.006 min  
Lab File: VN065852.D  
Acq: 12 Feb 2021 20:50

Tgt Ion: 83 Resp: 62202  
Ion Ratio Lower Upper  
83 100  
85 61.5 53.0 79.4

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

Manual Integrations  
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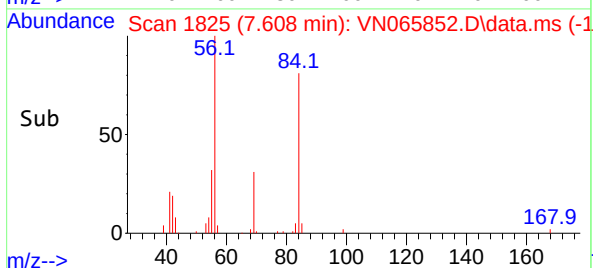
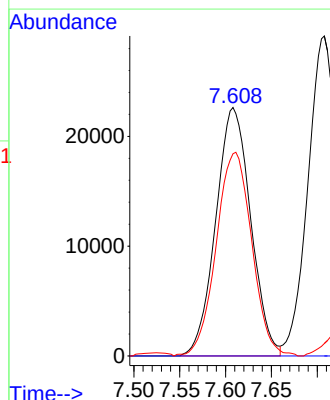
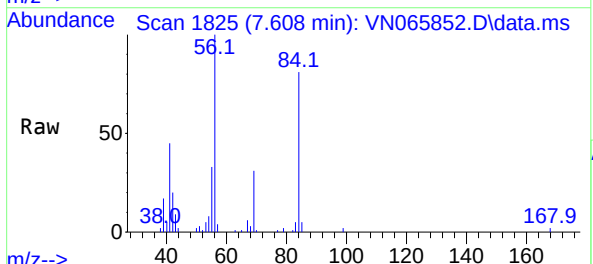
MMDadoda  
2/15/2021 1:32:28 PM



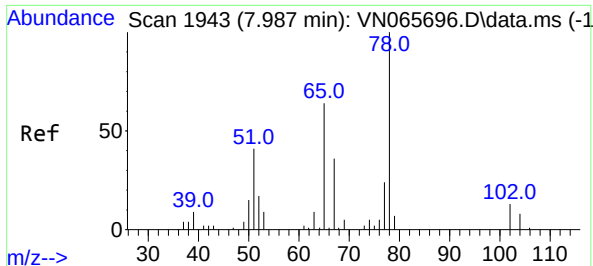
#26

Cyclohexane  
Concen: 17.49 ug/l  
RT: 7.608 min Scan# 1825  
Delta R.T. -0.003 min  
Lab File: VN065852.D  
Acq: 12 Feb 2021 20:50

Tgt Ion: 56 Resp: 60082  
Ion Ratio Lower Upper  
56 100  
89 0.0 0.0 0.0  
84 83.2 72.8 109.2







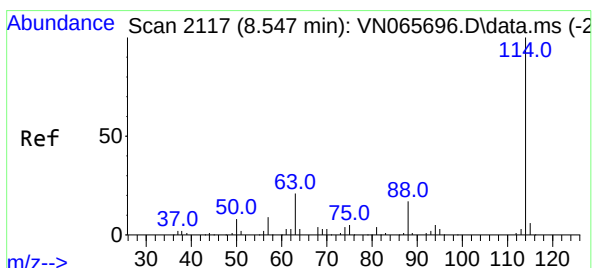
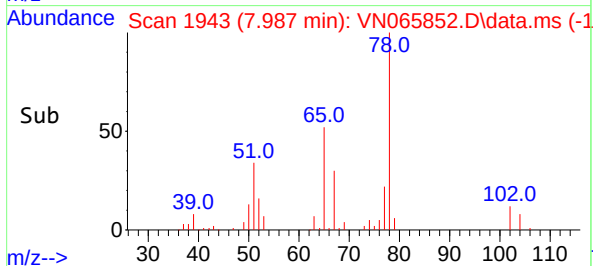
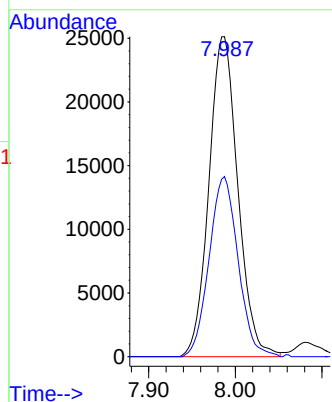
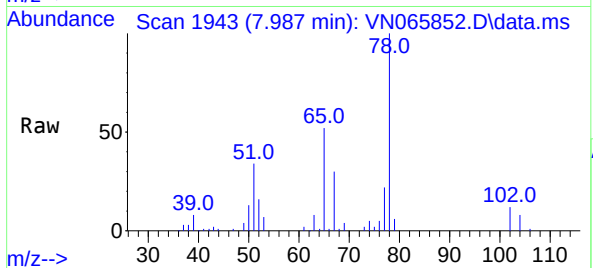
#27  
1,2-Dichloroethane-d4  
Concen: 28.30 ug/l  
RT: 7.987 min Scan# 1943  
Delta R.T. 0.000 min  
Lab File: VN065852.D  
Acq: 12 Feb 2021 20:50

Tgt Ion: 65 Resp: 58358  
Ion Ratio Lower Upper  
65 100  
67 56.2 42.8 64.2

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

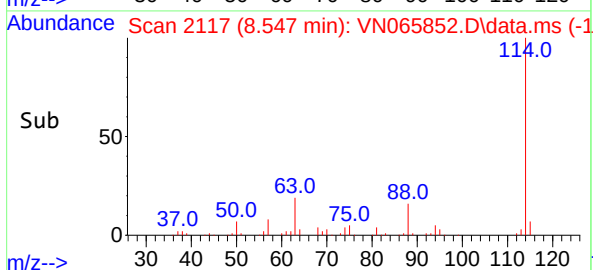
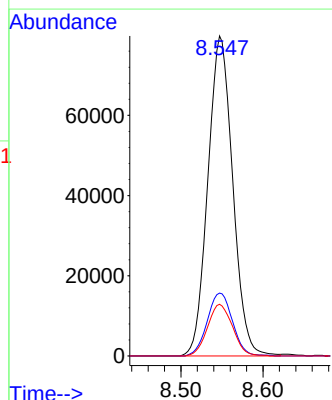
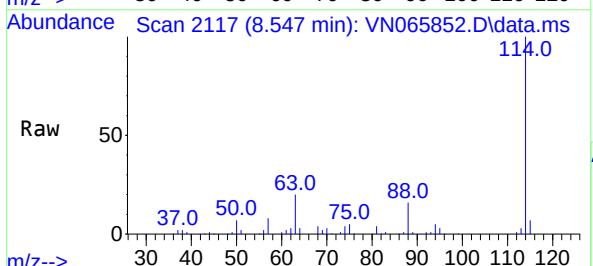
Manual Integrations  
APPROVED

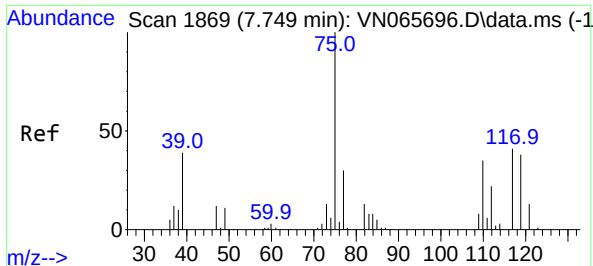
MMDadoda  
2/15/2021 1:32:28 PM



#28  
1,4-Difluorobenzene  
Concen: 30.00 ug/l  
RT: 8.547 min Scan# 2117  
Delta R.T. 0.000 min  
Lab File: VN065852.D  
Acq: 12 Feb 2021 20:50

Tgt Ion: 114 Resp: 168204  
Ion Ratio Lower Upper  
114 100  
63 20.0 14.7 22.1  
88 16.3 11.7 17.5





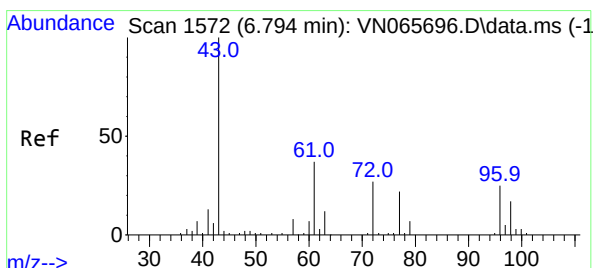
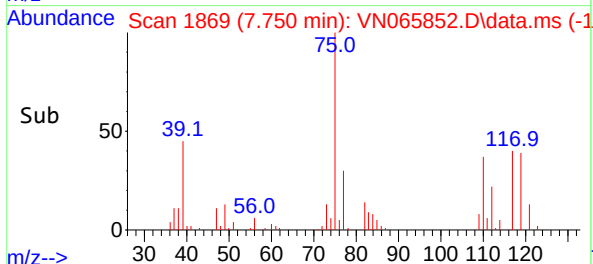
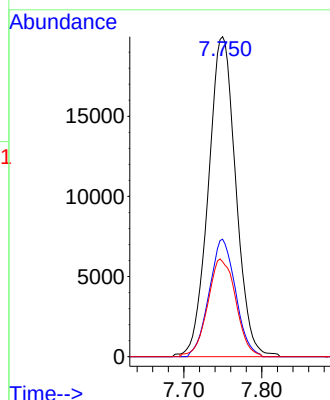
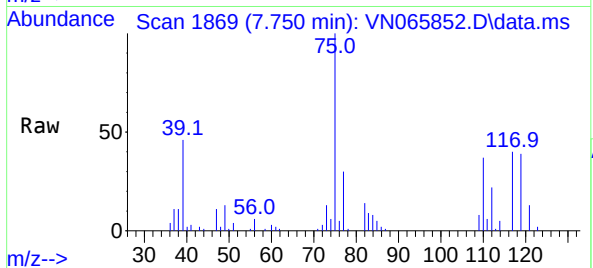
#29  
1,1-Dichloropropene  
Concen: 17.97 ug/l  
RT: 7.750 min Scan# 1869  
Delta R.T. 0.000 min  
Lab File: VN065852.D  
Acq: 12 Feb 2021 20:50

Tgt Ion: 75 Resp: 48811  
Ion Ratio Lower Upper  
75 100  
110 35.3 0.0 74.2  
77 31.2 0.0 61.0

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

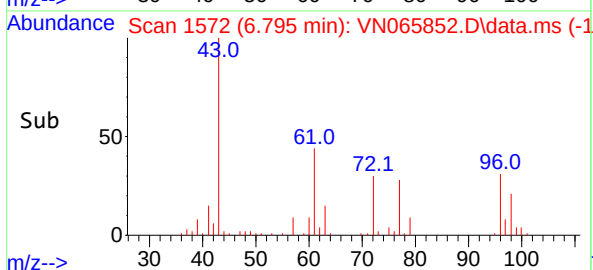
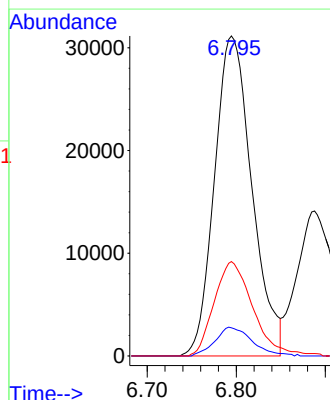
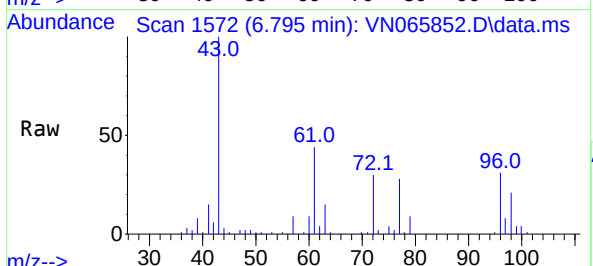
Manual Integrations  
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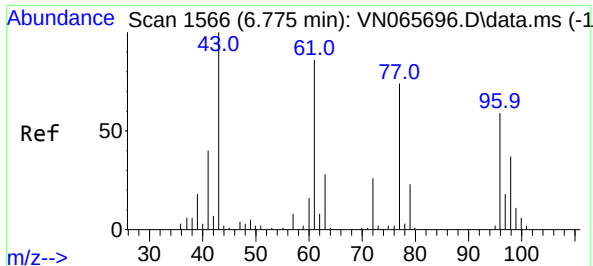
MMDadoda  
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#30  
2-Butanone  
Concen: 74.81 ug/l  
RT: 6.795 min Scan# 1572  
Delta R.T. 0.000 min  
Lab File: VN065852.D  
Acq: 12 Feb 2021 20:50

Tgt Ion: 43 Resp: 90957  
Ion Ratio Lower Upper  
43 100  
57 8.9 7.0 10.4  
72 30.3 23.6 35.4





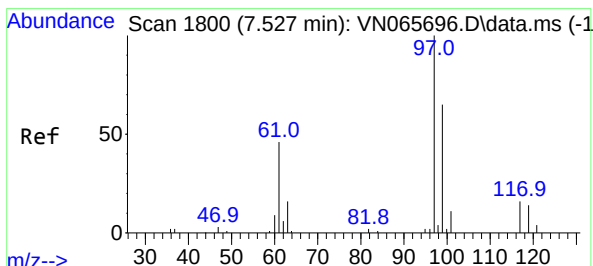
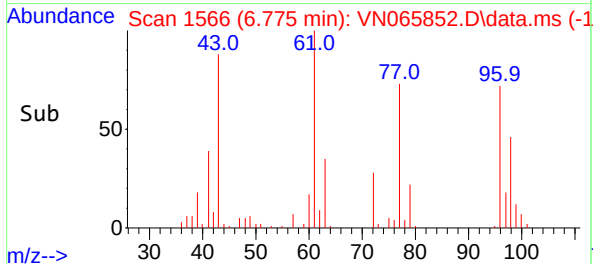
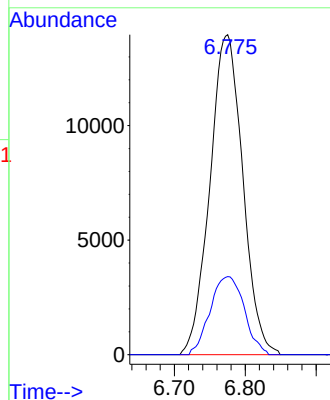
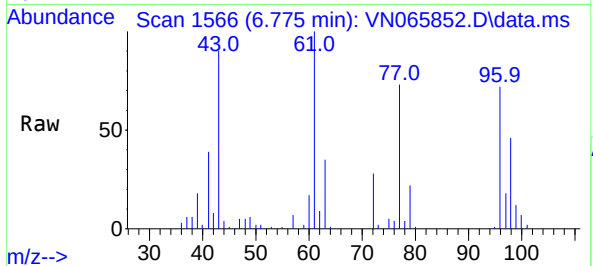
#31  
2,2-Dichloropropane  
Concen: 15.85 ug/l  
RT: 6.775 min Scan# 1566  
Delta R.T. 0.000 min  
Lab File: VN065852.D  
Acq: 12 Feb 2021 20:50

Tgt Ion: 77 Resp: 45060  
Ion Ratio Lower Upper  
77 100  
97 25.3 19.0 28.4

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

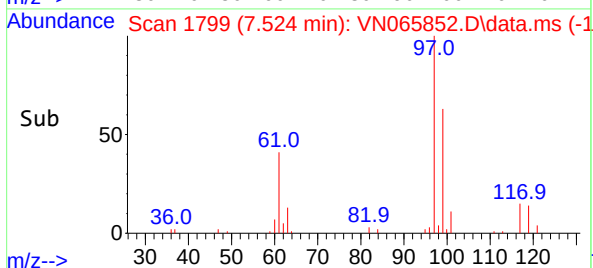
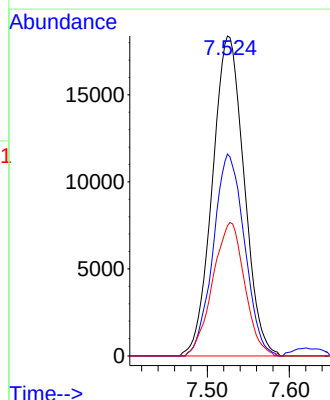
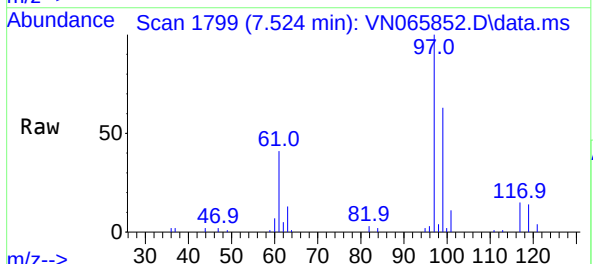
Manual Integrations  
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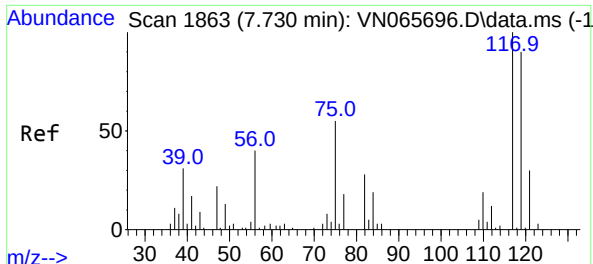
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2/15/2021 1:32:28 PM



#32  
1,1,1-Trichloroethane  
Concen: 18.31 ug/l  
RT: 7.524 min Scan# 1799  
Delta R.T. -0.003 min  
Lab File: VN065852.D  
Acq: 12 Feb 2021 20:50

Tgt Ion: 97 Resp: 49334  
Ion Ratio Lower Upper  
97 100  
99 62.4 51.5 77.3  
61 42.1 34.7 52.1





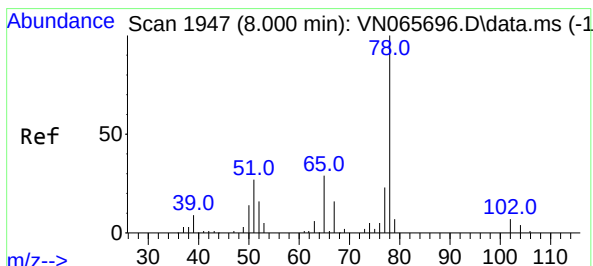
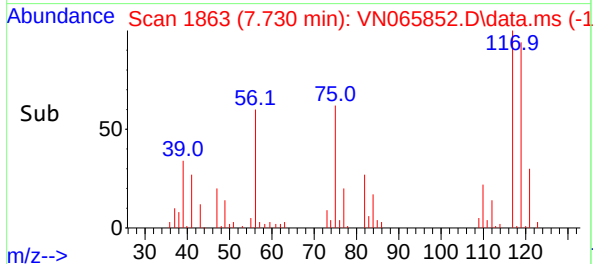
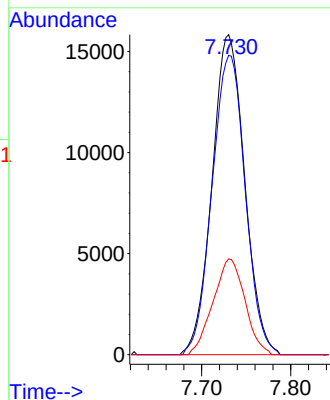
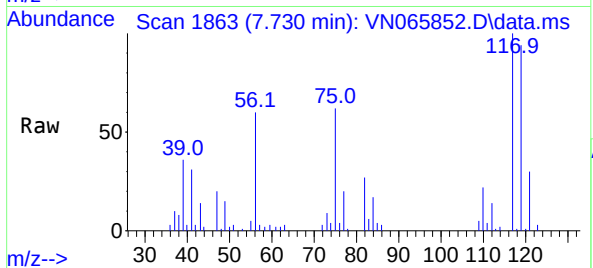
#33  
Carbon Tetrachloride  
Concen: 18.12 ug/l  
RT: 7.730 min Scan# 1863  
Delta R.T. 0.000 min  
Lab File: VN065852.D  
Acq: 12 Feb 2021 20:50

Tgt Ion: 117 Resp: 40324  
Ion Ratio Lower Upper  
117 100  
119 93.5 77.0 115.4  
121 29.9 24.8 37.2

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

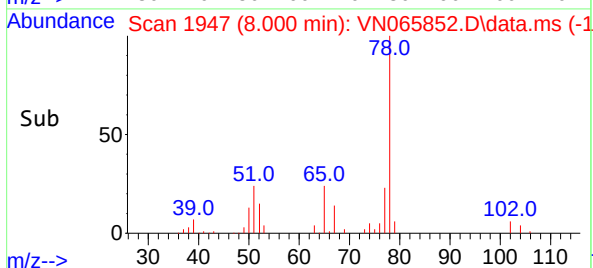
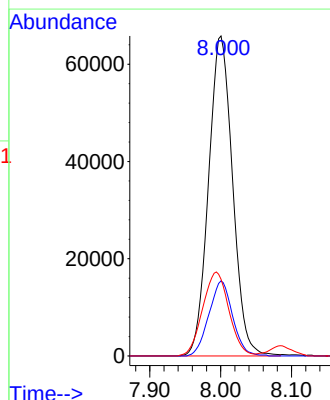
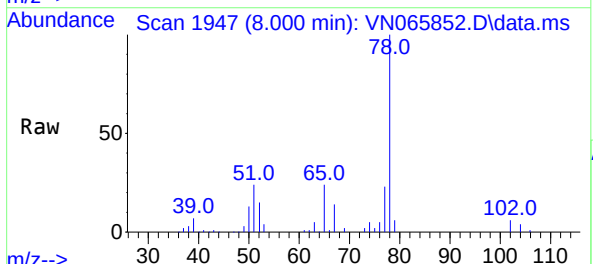
Manual Integrations  
APPROVED

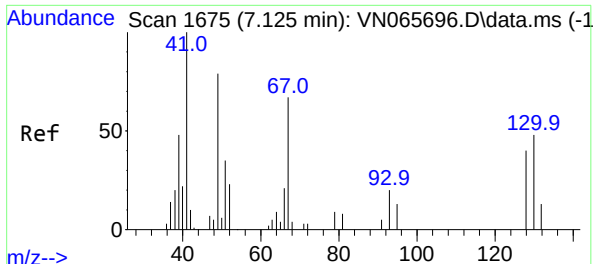
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#34  
Benzene  
Concen: 18.49 ug/l  
RT: 8.000 min Scan# 1947  
Delta R.T. 0.000 min  
Lab File: VN065852.D  
Acq: 12 Feb 2021 20:50

Tgt Ion: 78 Resp: 155165  
Ion Ratio Lower Upper  
78 100  
77 23.4 19.0 28.6  
51 23.7 22.1 33.1





#35  
Methacrylonitrile  
Concen: 15.02 ug/l  
RT: 7.123 min Scan# 1674  
Delta R.T. -0.003 min  
Lab File: VN065852.D  
Acq: 12 Feb 2021 20:50

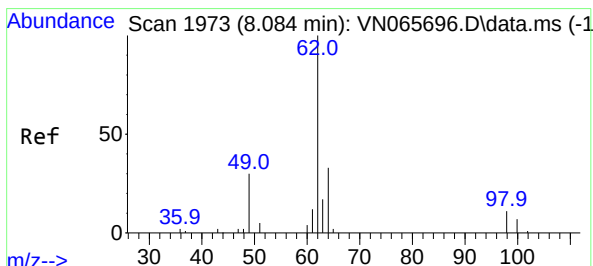
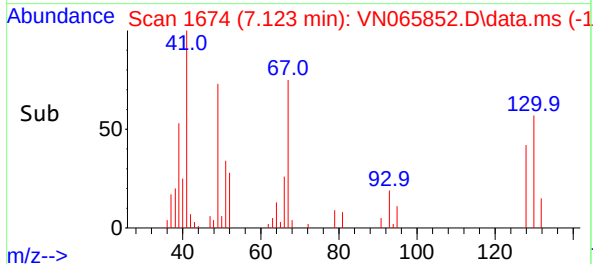
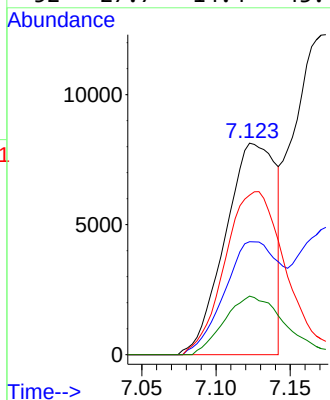
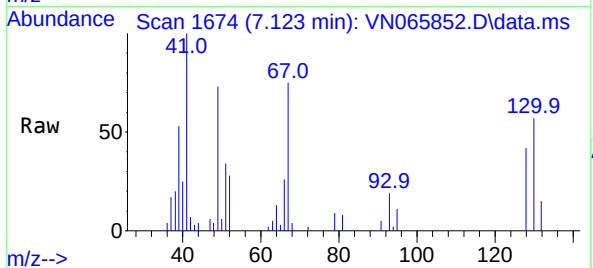
Tgt Ion: 41 Resp: 19187

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 39  | 53.4  | 26.8  | 80.3  |
| 67  | 75.4  | 38.0  | 113.9 |
| 52  | 27.7  | 14.4  | 43.4  |

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

Manual Integrations  
APPROVED

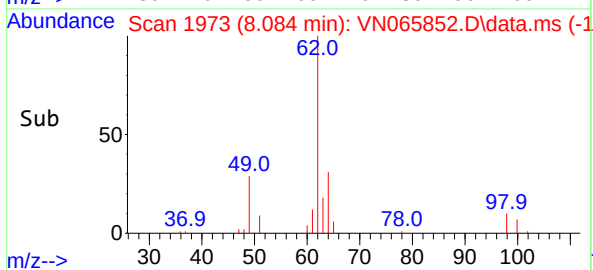
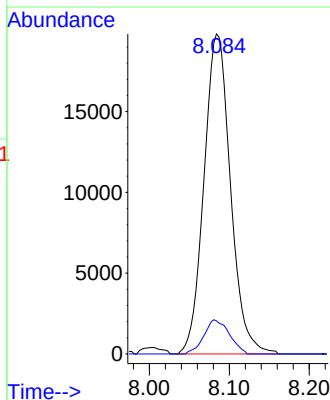
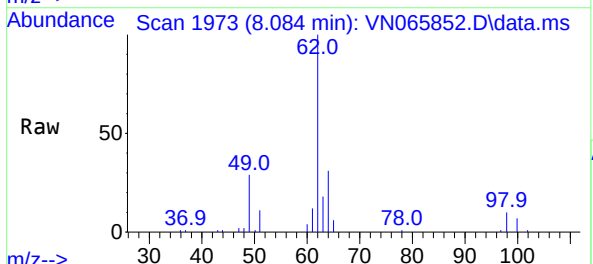
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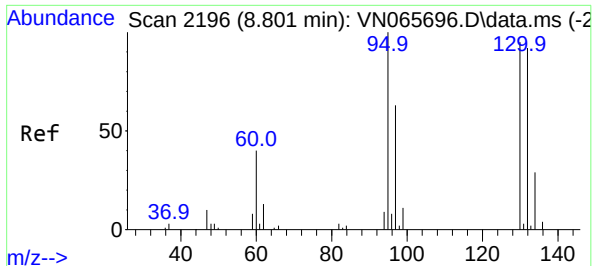


#36  
1,2-Dichloroethane  
Concen: 18.14 ug/l  
RT: 8.084 min Scan# 1973  
Delta R.T. 0.000 min  
Lab File: VN065852.D  
Acq: 12 Feb 2021 20:50

Tgt Ion: 62 Resp: 45713

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 62  | 100   |       |       |
| 98  | 10.2  | 7.4   | 11.2  |





#37

Trichloroethene

Concen: 19.56 ug/l

RT: 8.801 min Scan# 2196

Delta R.T. 0.000 min

Lab File: VN065852.D

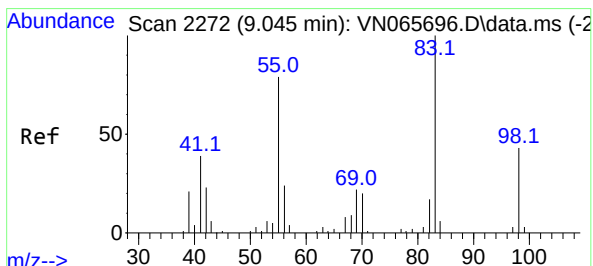
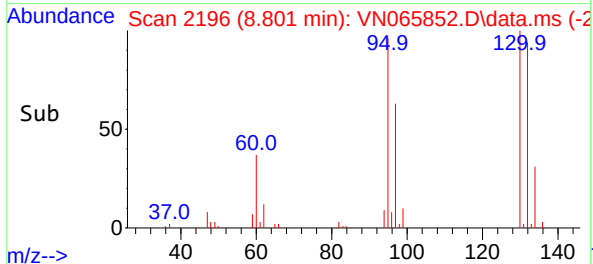
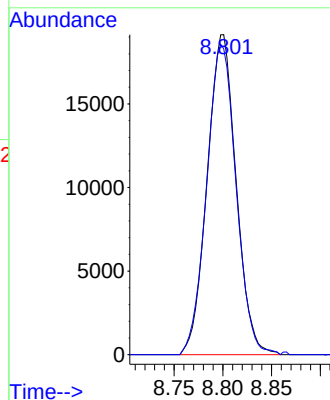
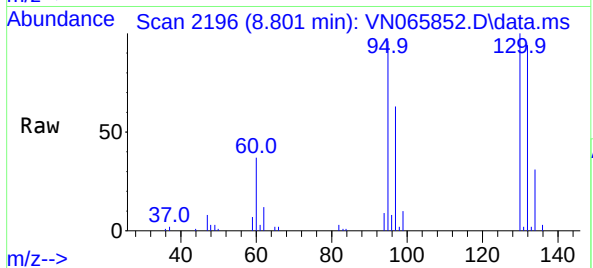
Acq: 12 Feb 2021 20:50

Tgt Ion:130 Resp: 39626

Ion Ratio Lower Upper

130 100

95 95.6 74.0 111.0



#38

Methylcyclohexane

Concen: 17.38 ug/l

RT: 9.042 min Scan# 2271

Delta R.T. -0.003 min

Lab File: VN065852.D

Acq: 12 Feb 2021 20:50

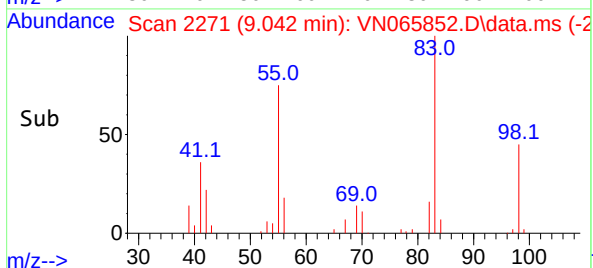
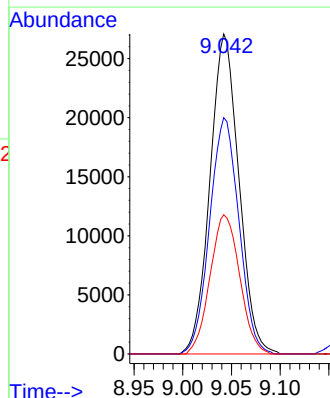
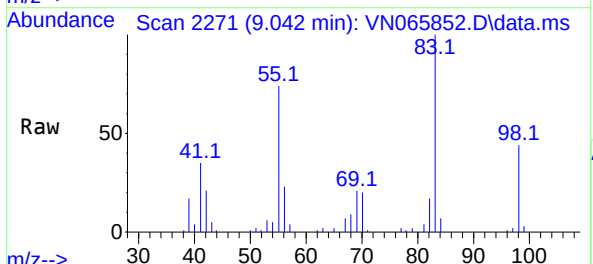
Tgt Ion: 83 Resp: 55969

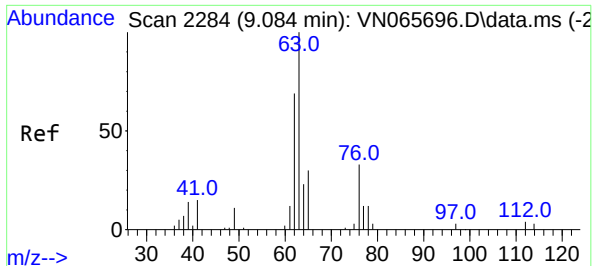
Ion Ratio Lower Upper

83 100

55 74.7 37.2 111.6

98 44.5 23.8 71.4





#39

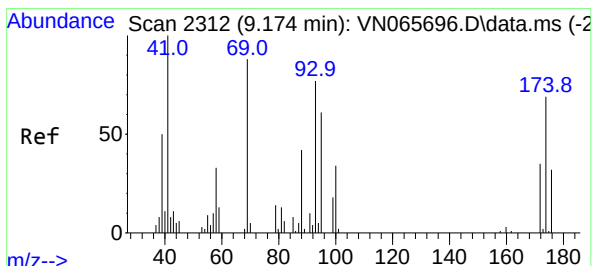
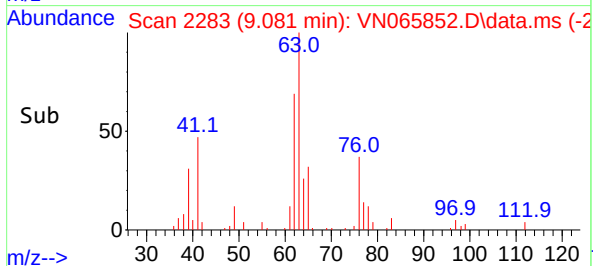
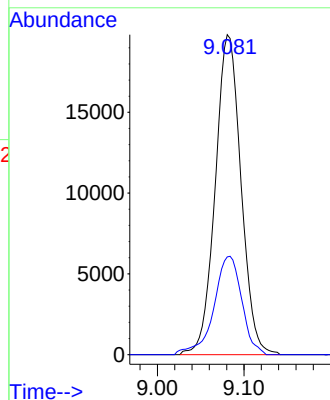
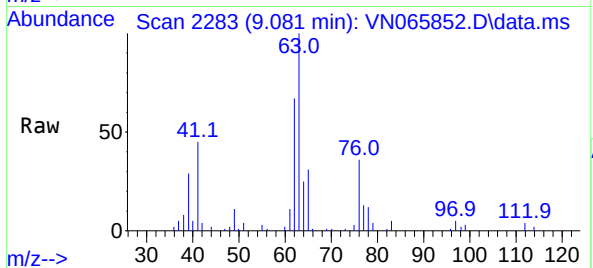
1,2-Dichloropropane  
Concen: 17.96 ug/l  
RT: 9.081 min Scan# 2283  
Delta R.T. -0.003 min  
Lab File: VN065852.D  
Acq: 12 Feb 2021 20:50

Tgt Ion: 63 Resp: 40944  
Ion Ratio Lower Upper  
63 100  
65 30.6 24.1 36.1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

Manual Integrations  
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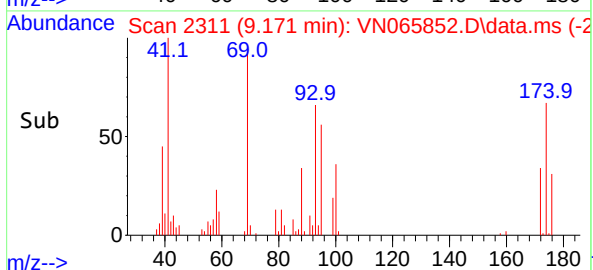
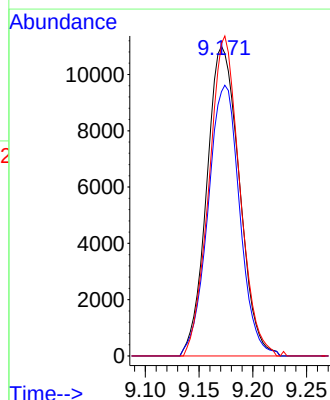
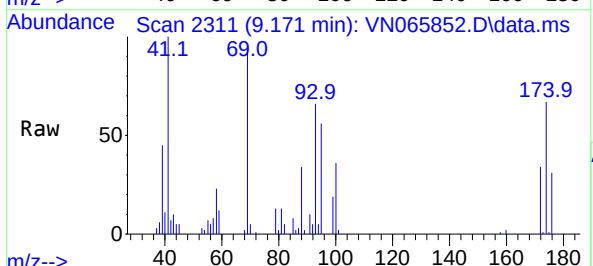
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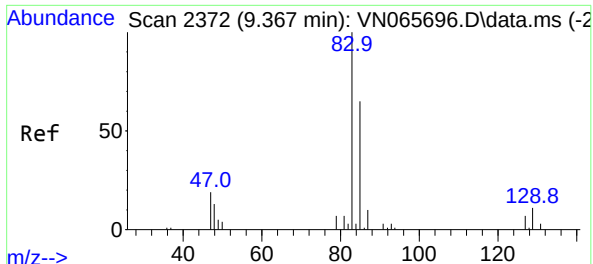


#40

Dibromomethane  
Concen: 17.94 ug/l  
RT: 9.171 min Scan# 2311  
Delta R.T. -0.003 min  
Lab File: VN065852.D  
Acq: 12 Feb 2021 20:50

Tgt Ion: 93 Resp: 23182  
Ion Ratio Lower Upper  
93 100  
95 85.0 0.0 168.6  
174 97.2 0.0 246.4





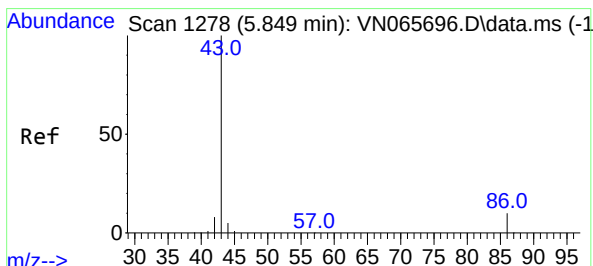
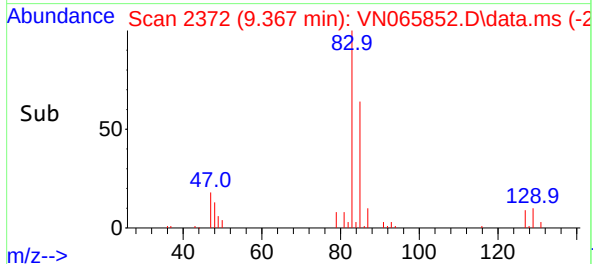
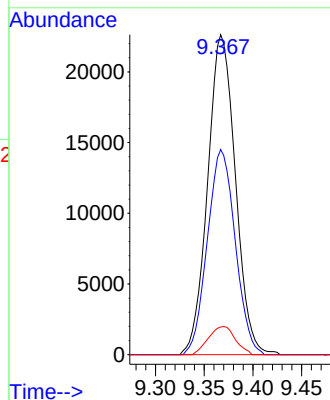
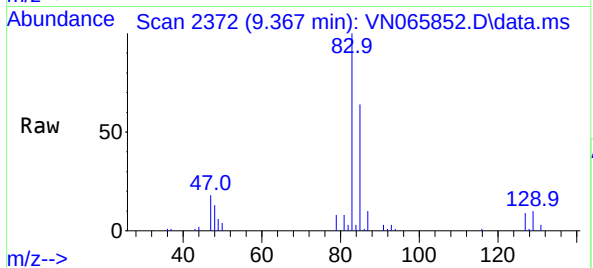
#41  
Bromodichloromethane  
Concen: 17.13 ug/l  
RT: 9.367 min Scan# 2372  
Delta R.T. 0.000 min  
Lab File: VN065852.D  
Acq: 12 Feb 2021 20:50

Tgt Ion: 83 Resp: 44834  
Ion Ratio Lower Upper  
83 100  
85 64.1 50.7 76.1  
127 8.7 7.5 11.3

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

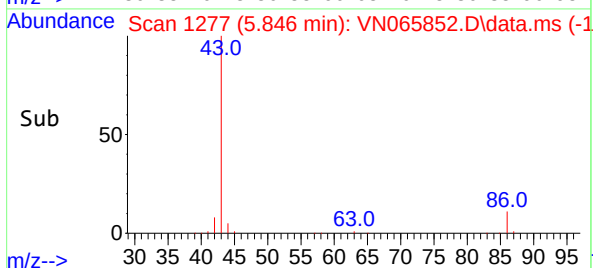
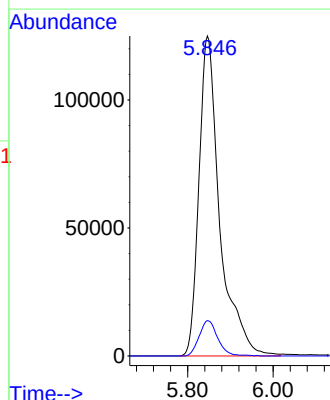
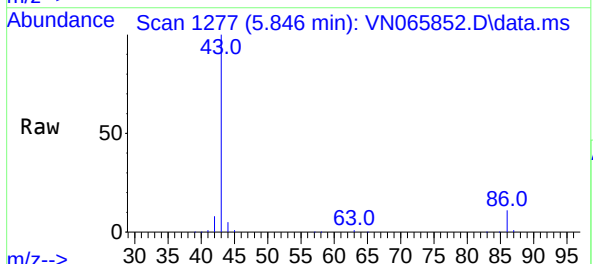
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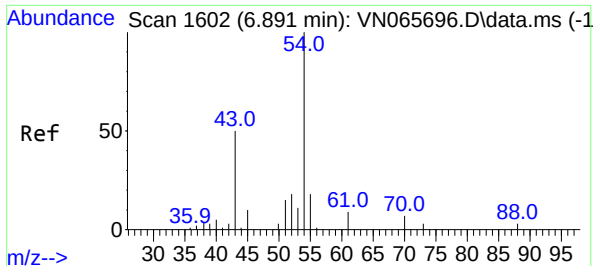


#42  
Vinyl Acetate  
Concen: 79.41 ug/l  
RT: 5.846 min Scan# 1277  
Delta R.T. -0.003 min  
Lab File: VN065852.D  
Acq: 12 Feb 2021 20:50

Tgt Ion: 43 Resp: 422937  
Ion Ratio Lower Upper  
43 100  
86 9.8 7.9 11.9







#43

Ethyl Acetate

Concen: 16.44 ug/l

RT: 6.888 min Scan# 1601

Delta R.T. -0.003 min

Lab File: VN065852.D

Acq: 12 Feb 2021 20:50

Tgt Ion: 43 Resp: 40954

Ion Ratio Lower Upper

43 100

45 13.7 12.9 19.3

Instrument :

MSVOA\_N

ClientSampleId :

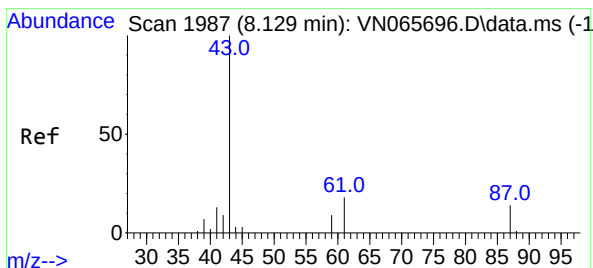
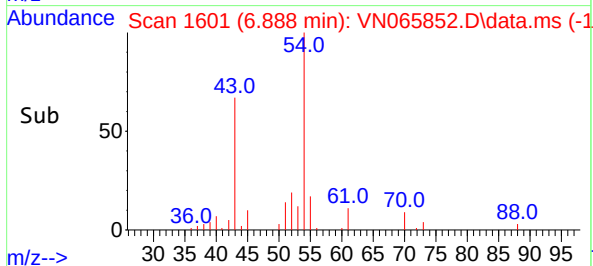
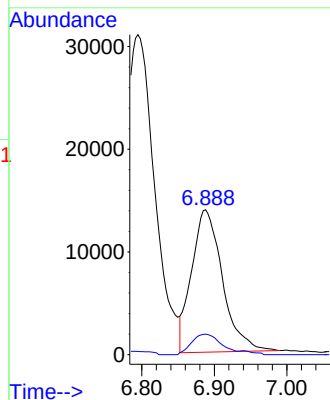
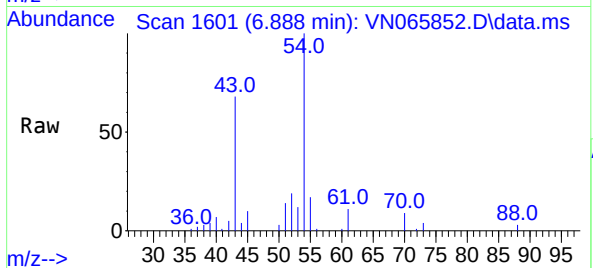
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#44

Isopropyl Acetate

Concen: 15.57 ug/l

RT: 8.129 min Scan# 1987

Delta R.T. 0.000 min

Lab File: VN065852.D

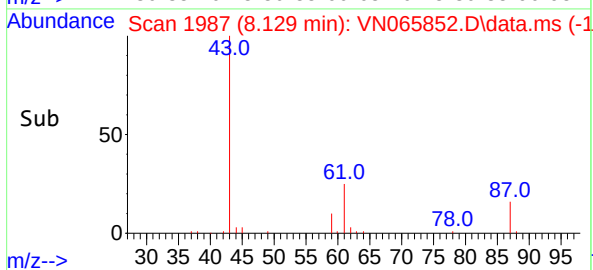
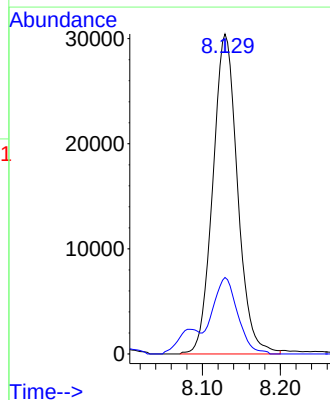
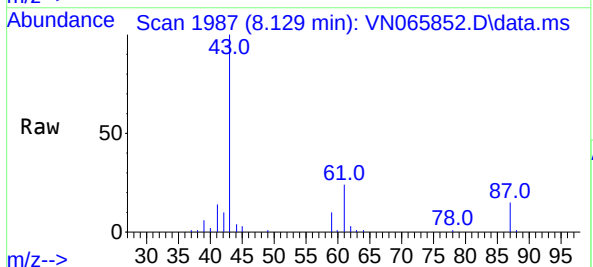
Acq: 12 Feb 2021 20:50

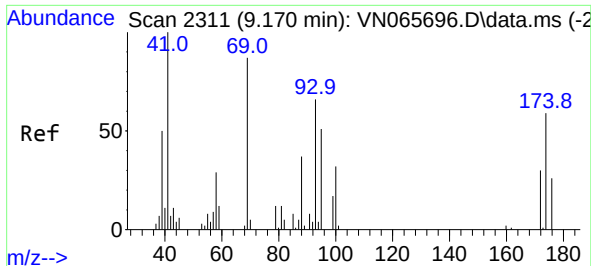
Tgt Ion: 43 Resp: 67040

Ion Ratio Lower Upper

43 100

61 24.1 16.8 25.2





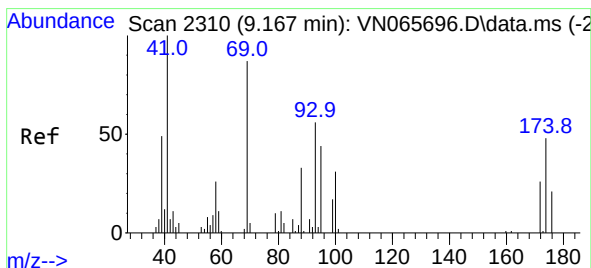
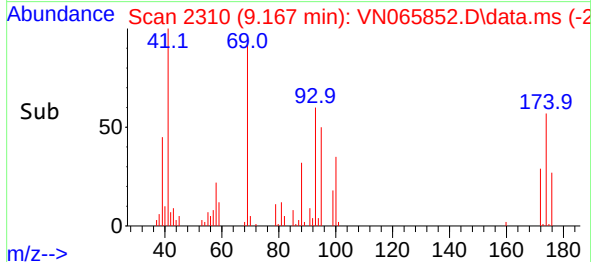
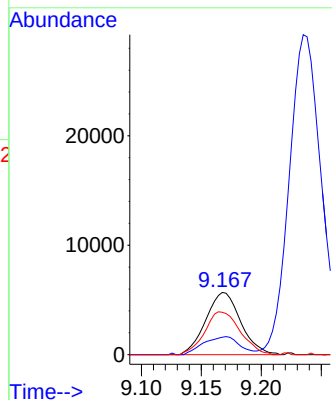
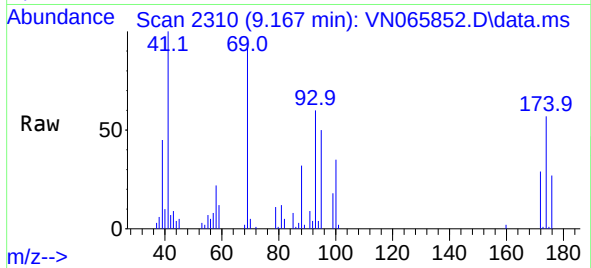
#45  
1,4-Dioxane  
Concen: 322.42 ug/l  
RT: 9.167 min Scan# 2310  
Delta R.T. -0.003 min  
Lab File: VN065852.D  
Acq: 12 Feb 2021 20:50

Tgt Ion: 88 Resp: 11516  
Ion Ratio Lower Upper  
88 100  
43 30.1 28.3 42.5  
58 70.0 53.8 80.6

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

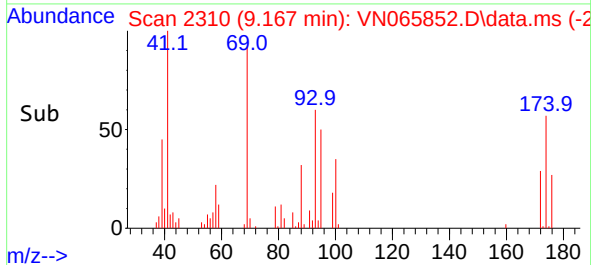
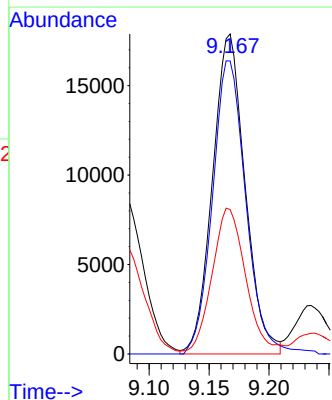
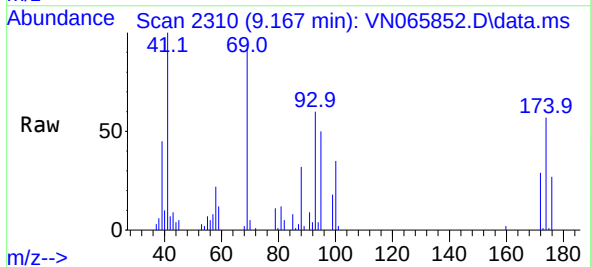
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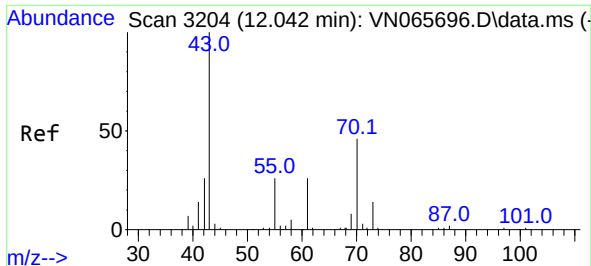
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#46  
Methyl methacrylate  
Concen: 16.37 ug/l  
RT: 9.167 min Scan# 2310  
Delta R.T. 0.000 min  
Lab File: VN065852.D  
Acq: 12 Feb 2021 20:50

Tgt Ion: 41 Resp: 33789  
Ion Ratio Lower Upper  
41 100  
69 92.6 46.3 138.8  
39 44.7 26.8 80.3





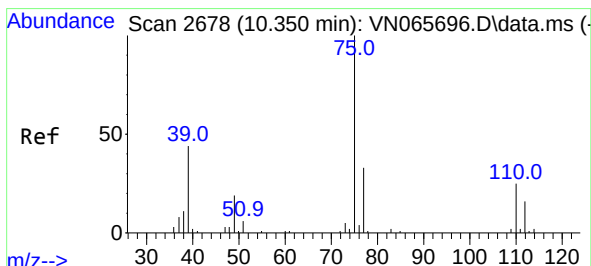
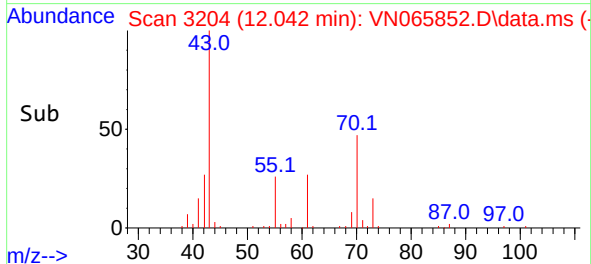
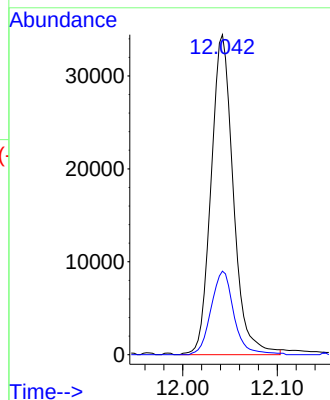
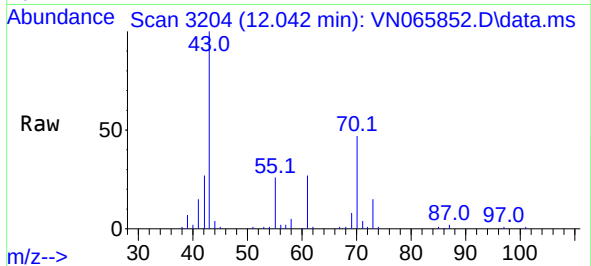
#47  
n-amyl Acetate  
Concen: 15.61 ug/l  
RT: 12.042 min Scan# 3204  
Delta R.T. 0.000 min  
Lab File: VN065852.D  
Acq: 12 Feb 2021 20:50

Tgt Ion: 43 Resp: 56251  
Ion Ratio Lower Upper  
43 100  
55 26.8 21.3 31.9

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

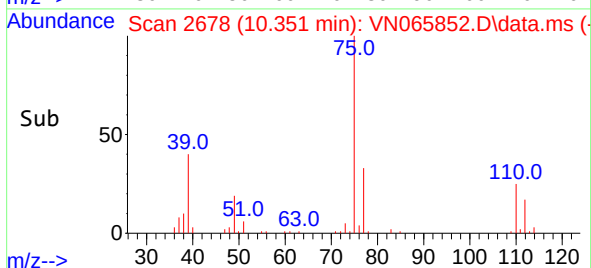
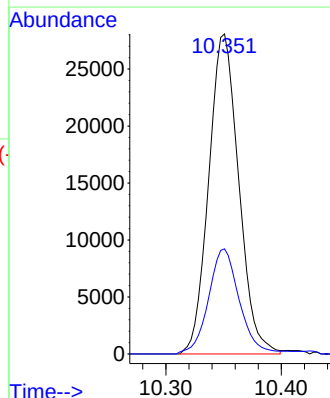
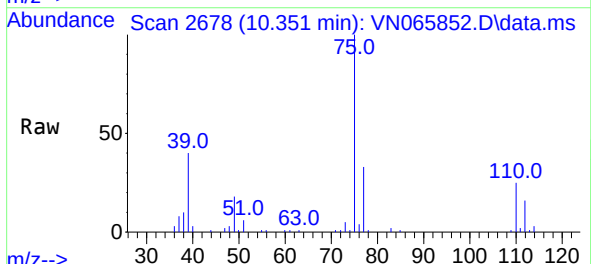
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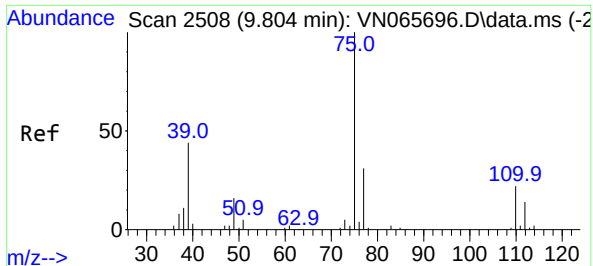
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#48  
t-1,3-Dichloropropene  
Concen: 16.40 ug/l  
RT: 10.351 min Scan# 2678  
Delta R.T. 0.000 min  
Lab File: VN065852.D  
Acq: 12 Feb 2021 20:50

Tgt Ion: 75 Resp: 50689  
Ion Ratio Lower Upper  
75 100  
77 32.2 26.5 39.7





#49

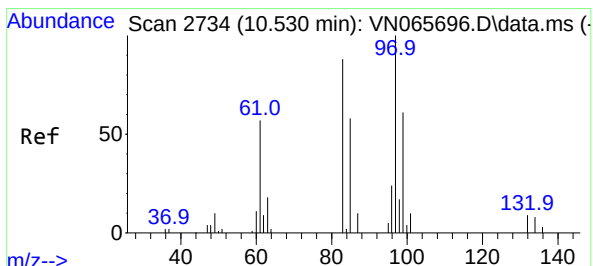
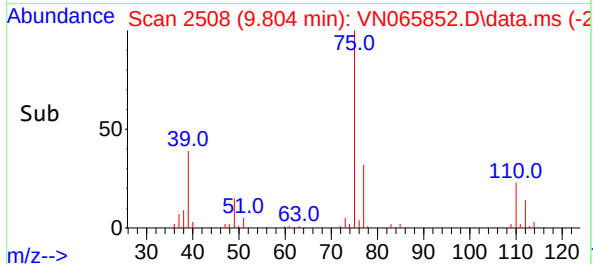
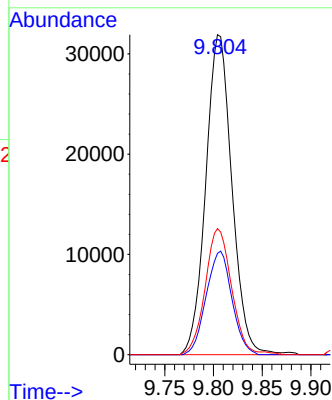
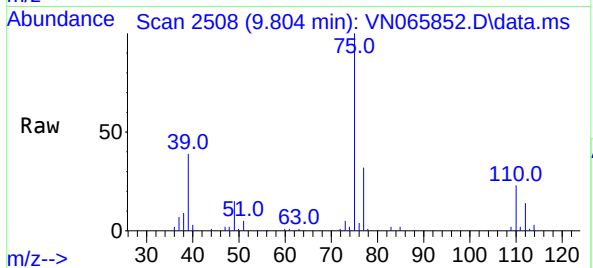
cis-1,3-Dichloropropene  
Concen: 16.99 ug/l  
RT: 9.804 min Scan# 2508  
Delta R.T. 0.000 min  
Lab File: VN065852.D  
Acq: 12 Feb 2021 20:50

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 59516 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 31.6  | 24.8  | 37.2  |
| 39       | 39.4  | 34.4  | 51.6  |

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

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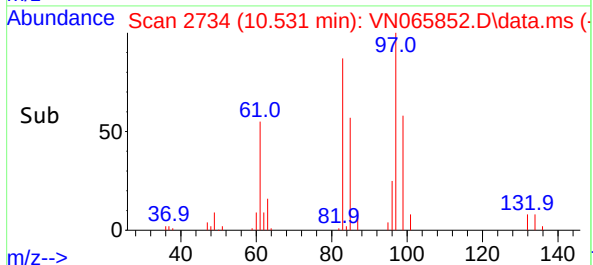
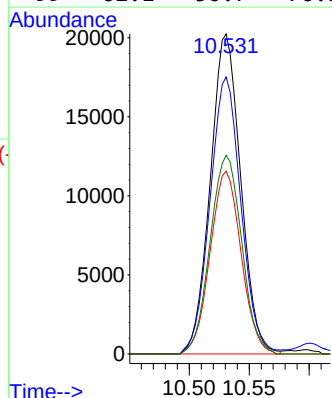
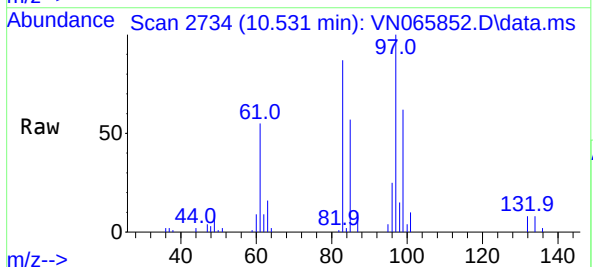
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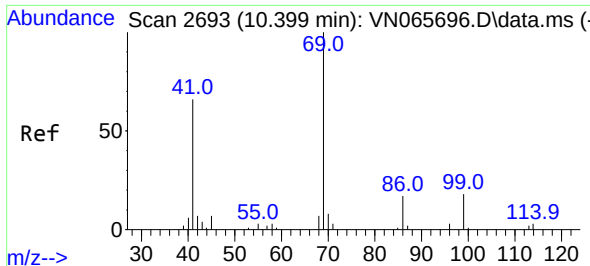


#50

1,1,2-Trichloroethane  
Concen: 18.87 ug/l  
RT: 10.531 min Scan# 2734  
Delta R.T. 0.000 min  
Lab File: VN065852.D  
Acq: 12 Feb 2021 20:50

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 35688 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 86.6  | 68.4  | 102.6 |
| 85       | 57.1  | 42.8  | 64.2  |
| 99       | 62.1  | 50.7  | 76.1  |





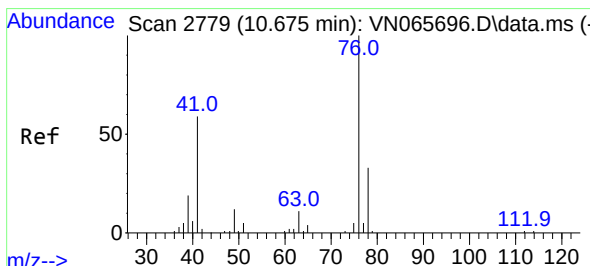
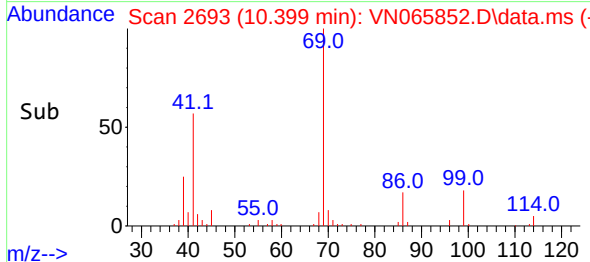
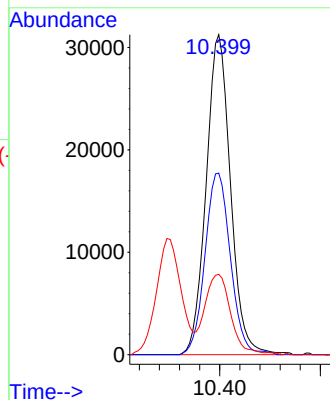
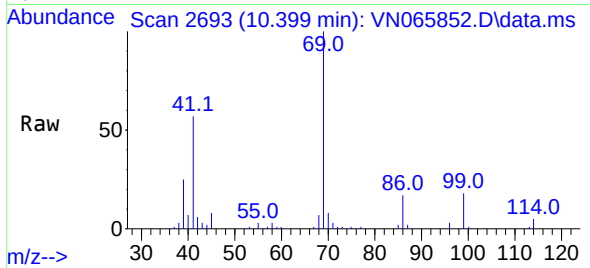
#51  
Ethyl methacrylate  
Concen: 17.27 ug/l  
RT: 10.399 min Scan# 2693  
Delta R.T. 0.000 min  
Lab File: VN065852.D  
Acq: 12 Feb 2021 20:50

Tgt Ion: 69 Resp: 52600  
Ion Ratio Lower Upper  
69 100  
41 56.7 31.9 95.7  
39 25.1 15.6 46.7

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

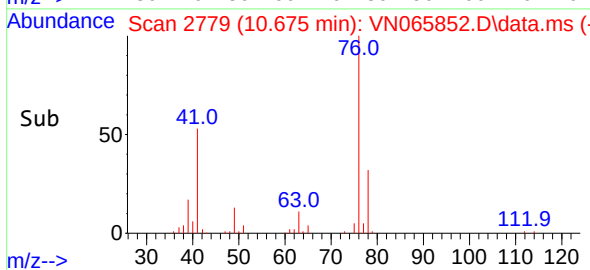
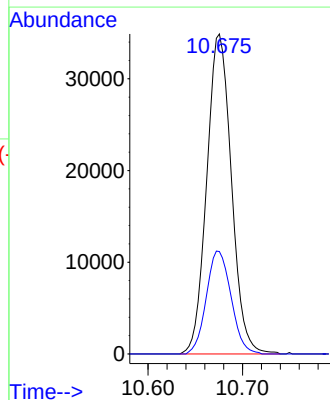
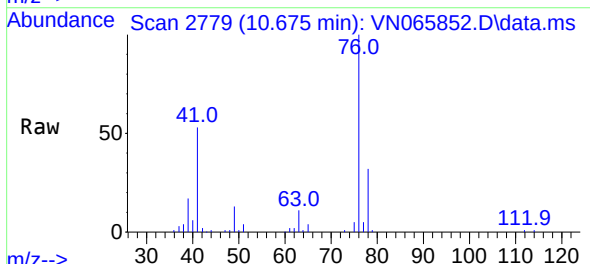
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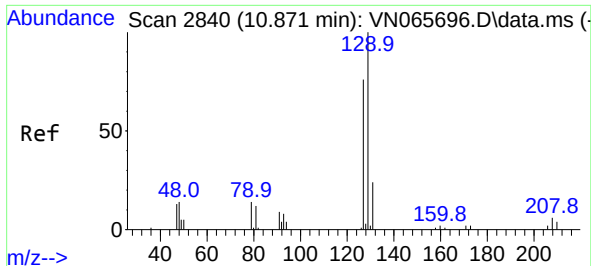
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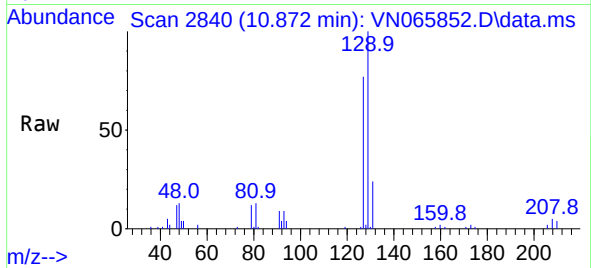
#52  
1,3-Dichloropropane  
Concen: 18.68 ug/l  
RT: 10.675 min Scan# 2779  
Delta R.T. 0.000 min  
Lab File: VN065852.D  
Acq: 12 Feb 2021 20:50

Tgt Ion: 76 Resp: 63262  
Ion Ratio Lower Upper  
76 100  
78 32.2 0.0 64.2

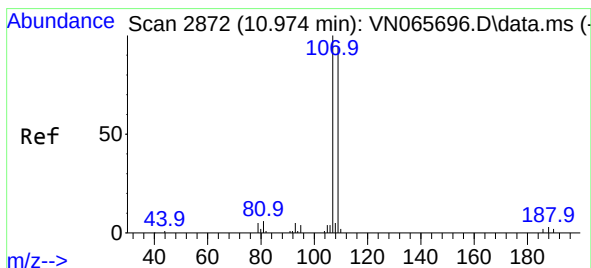
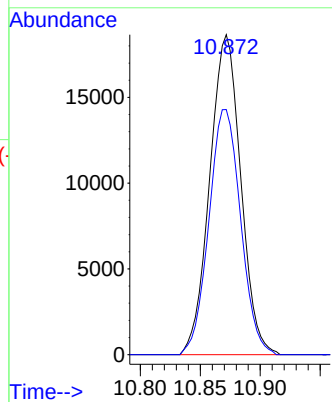
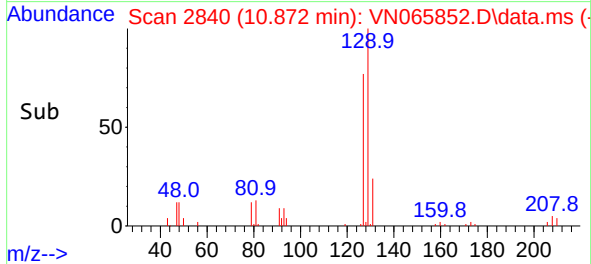




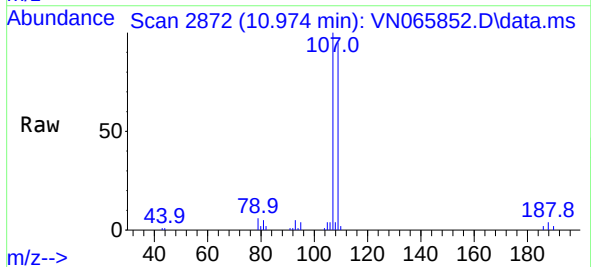
#53  
Dibromochloromethane  
Concen: 17.51 ug/l  
RT: 10.872 min Scan# 2840  
Delta R.T. 0.000 min  
Lab File: VN065852.D  
Acq: 12 Feb 2021 20:50



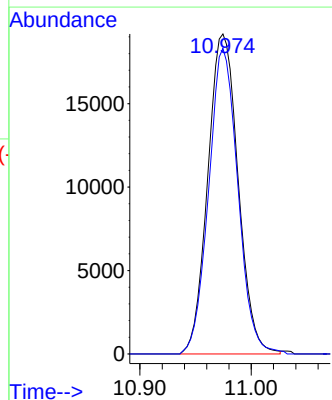
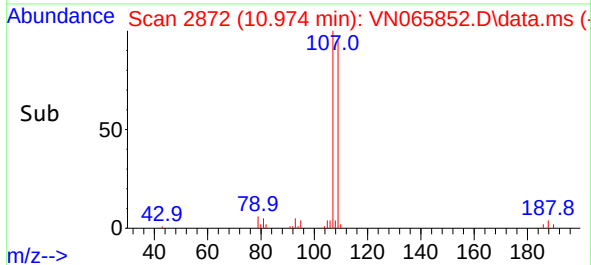
Tgt Ion:129 Resp: 33562  
Ion Ratio Lower Upper  
129 100  
127 78.4 38.9 116.6



#54  
1,2-Dibromoethane  
Concen: 19.12 ug/l  
RT: 10.974 min Scan# 2872  
Delta R.T. 0.000 min  
Lab File: VN065852.D  
Acq: 12 Feb 2021 20:50



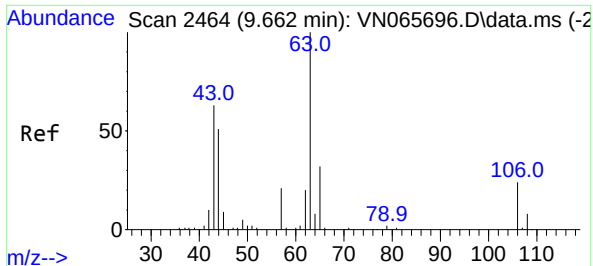
Tgt Ion:107 Resp: 36237  
Ion Ratio Lower Upper  
107 100  
109 92.1 76.6 115.0



Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

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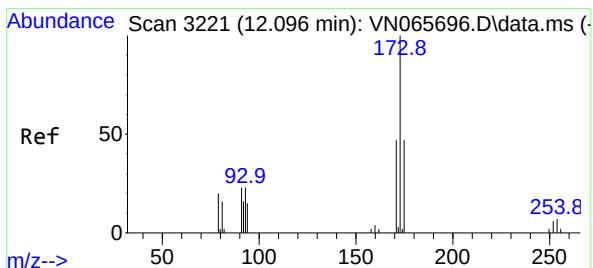
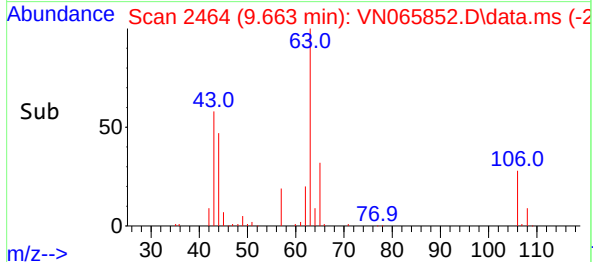
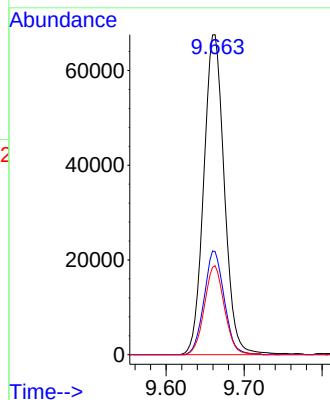
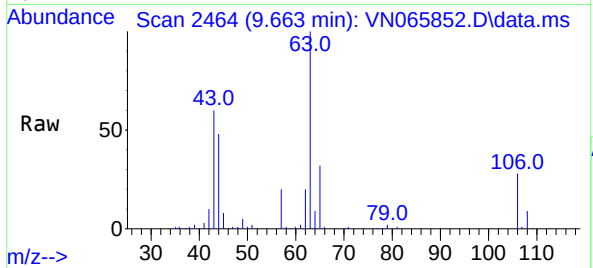
#55  
2-Chloroethyl vinyl ether  
Concen: 91.56 ug/l  
RT: 9.663 min Scan# 2464  
Delta R.T. 0.000 min  
Lab File: VN065852.D  
Acq: 12 Feb 2021 20:50

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 63    | Resp: | 123871 |
| Ion      | Ratio | Lower | Upper  |
| 63       | 100   |       |        |
| 65       | 31.8  | 25.7  | 38.5   |
| 106      | 27.0  | 23.1  | 34.7   |

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

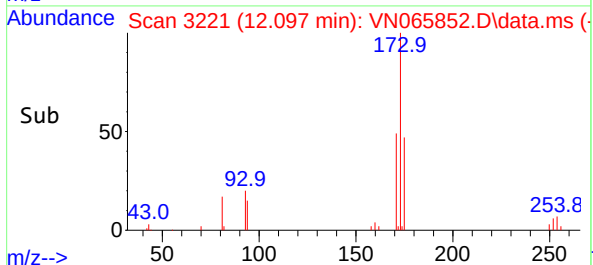
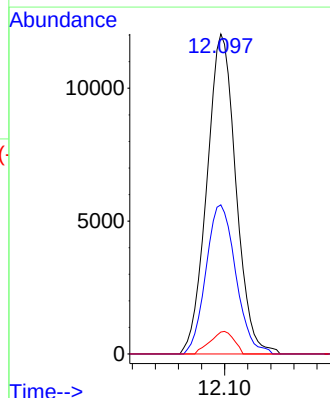
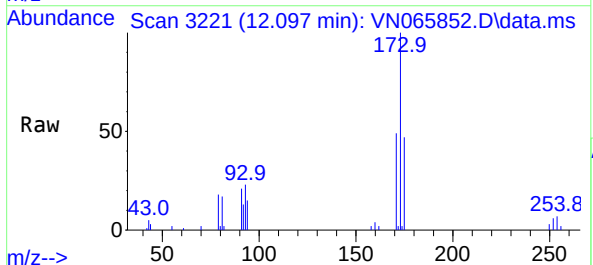
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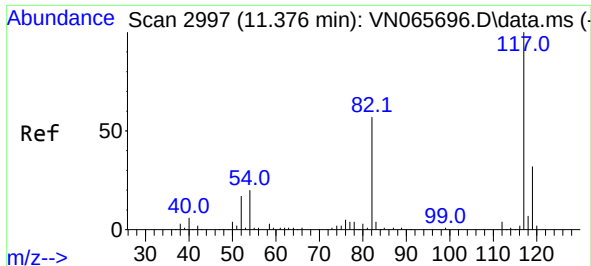
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#56  
Bromoform  
Concen: 17.35 ug/l  
RT: 12.097 min Scan# 3221  
Delta R.T. 0.000 min  
Lab File: VN065852.D  
Acq: 12 Feb 2021 20:50

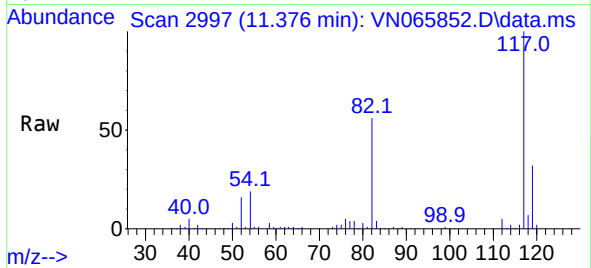
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 173   | Resp: | 20997 |
| Ion      | Ratio | Lower | Upper |
| 173      | 100   |       |       |
| 175      | 48.0  | 38.2  | 57.4  |
| 254      | 5.8   | 9.8   | 14.8# |





#57  
Chlorobenzene-d5  
Concen: 30.00 ug/l  
RT: 11.376 min Scan# 2997  
Delta R.T. 0.000 min  
Lab File: VN065852.D  
Acq: 12 Feb 2021 20:50

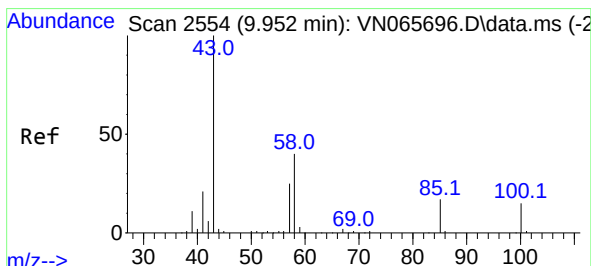
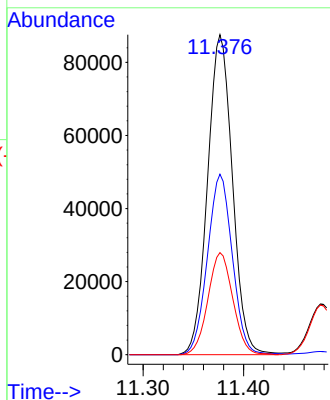
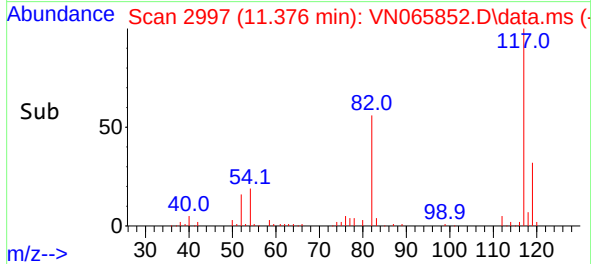
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



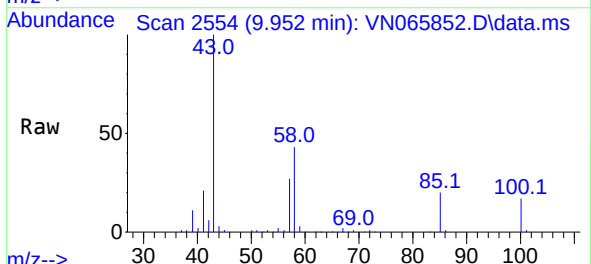
Tgt Ion: 117 Resp: 150345  
Ion Ratio Lower Upper  
117 100  
82 56.5 41.3 61.9  
119 32.0 25.7 38.5

Manual Integrations  
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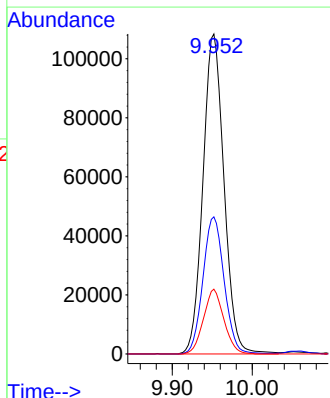
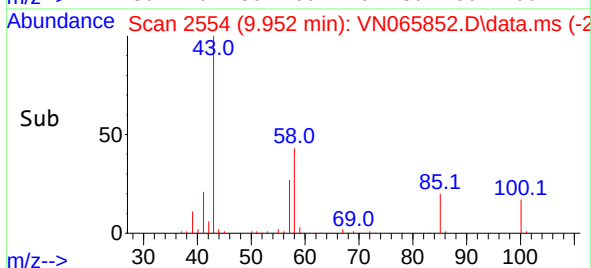
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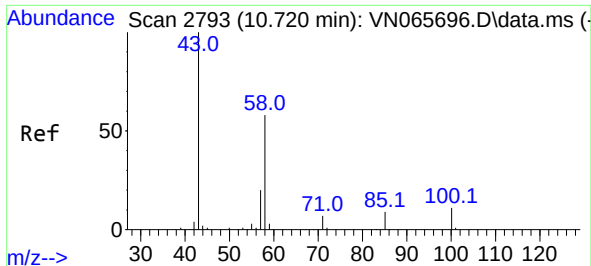
#58  
4-Methyl-2-Pentanone  
Concen: 79.65 ug/l  
RT: 9.952 min Scan# 2554  
Delta R.T. 0.000 min  
Lab File: VN065852.D  
Acq: 12 Feb 2021 20:50



Tgt Ion: 43 Resp: 198918  
Ion Ratio Lower Upper  
43 100  
58 43.1 32.7 49.1  
85 19.6 16.0 24.0







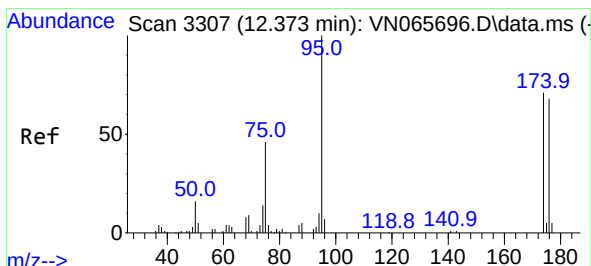
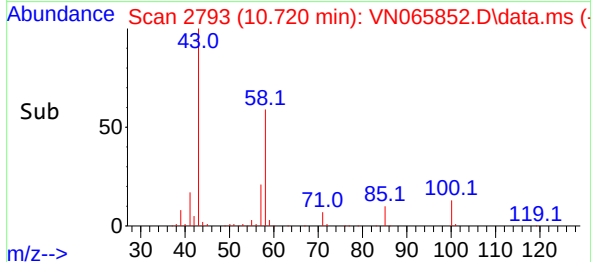
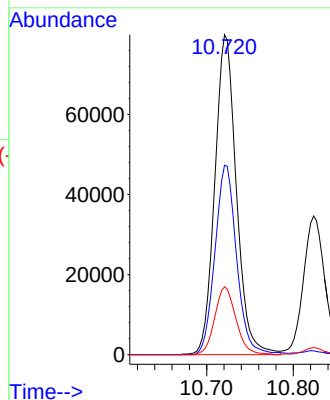
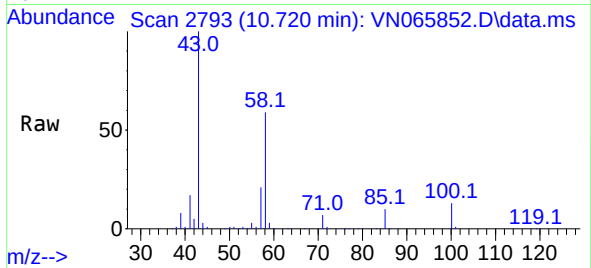
#59  
2-Hexanone  
Concen: 77.47 ug/l  
RT: 10.720 min Scan# 2793  
Delta R.T. 0.000 min  
Lab File: VN065852.D  
Acq: 12 Feb 2021 20:50

Tgt Ion: 43 Resp: 138480  
Ion Ratio Lower Upper  
43 100  
58 59.2 45.4 68.0  
57 20.8 15.8 23.8

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

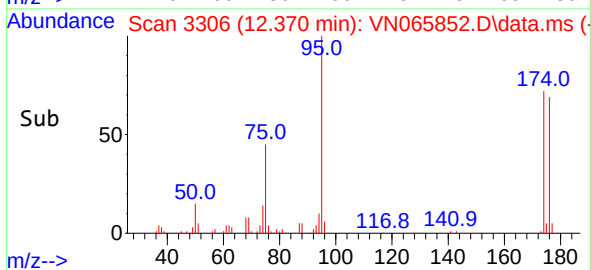
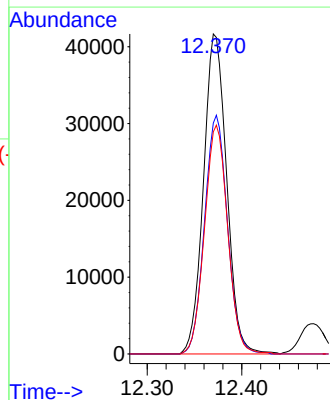
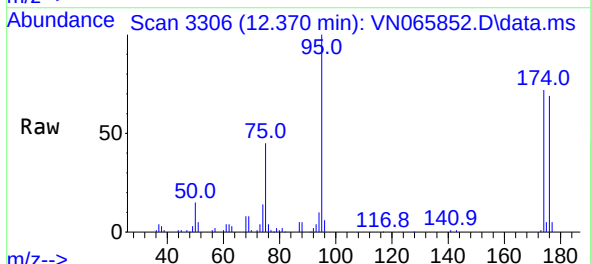
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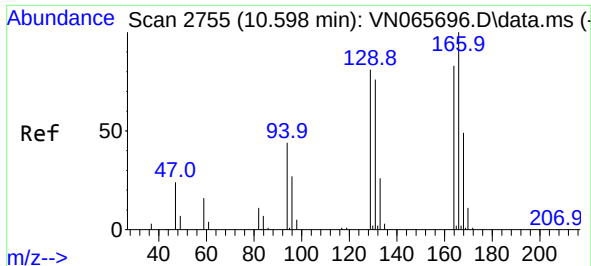
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#60  
4-Bromofluorobenzene  
Concen: 28.99 ug/l  
RT: 12.370 min Scan# 3306  
Delta R.T. -0.003 min  
Lab File: VN065852.D  
Acq: 12 Feb 2021 20:50

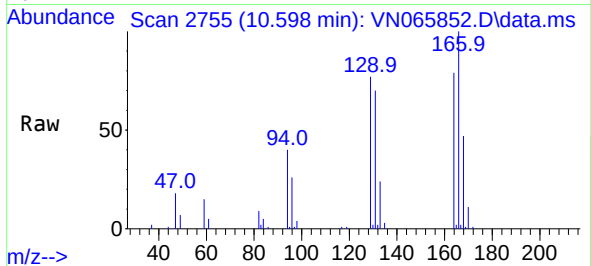
Tgt Ion: 95 Resp: 70916  
Ion Ratio Lower Upper  
95 100  
174 74.0 77.0 115.6#  
176 71.5 75.8 113.6#





#61  
Tetrachloroethene  
Concen: 18.95 ug/l  
RT: 10.598 min Scan# 2755  
Delta R.T. 0.000 min  
Lab File: VN065852.D  
Acq: 12 Feb 2021 20:50

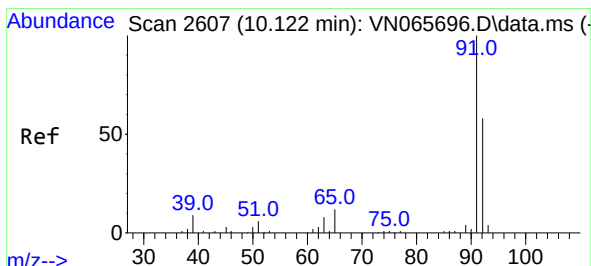
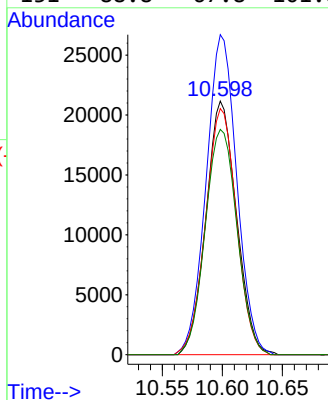
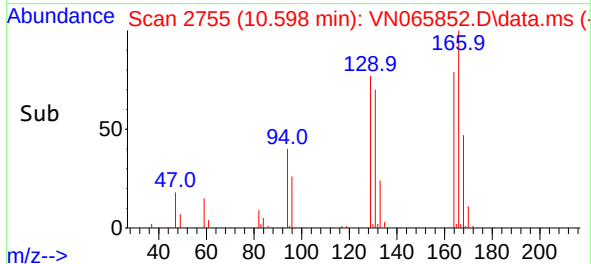
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



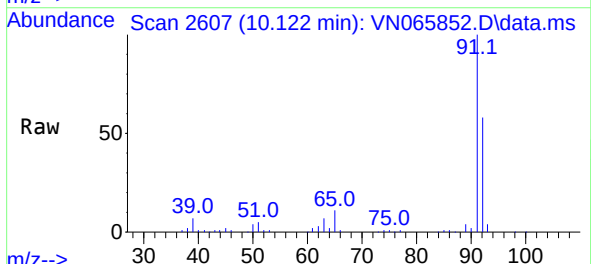
Tgt Ion:164 Resp: 37516  
Ion Ratio Lower Upper  
164 100  
166 126.2 101.2 151.8  
129 97.1 69.7 104.5  
131 88.8 67.8 101.8

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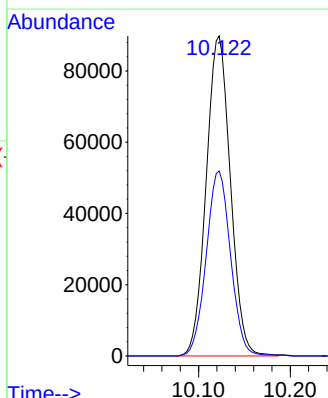
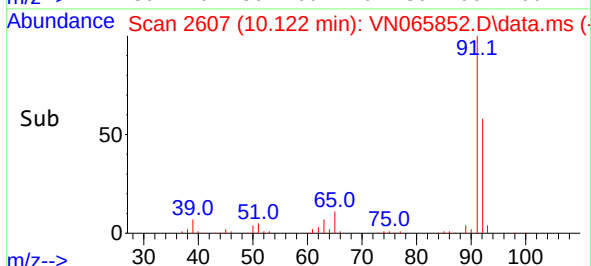
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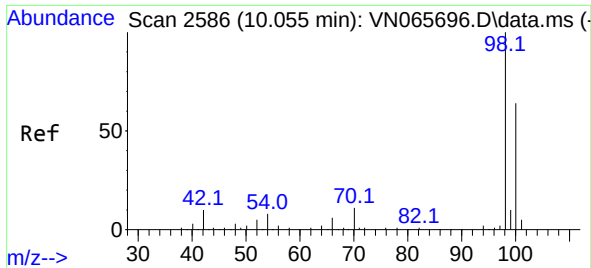


#62  
Toluene  
Concen: 18.75 ug/l  
RT: 10.122 min Scan# 2607  
Delta R.T. 0.000 min  
Lab File: VN065852.D  
Acq: 12 Feb 2021 20:50



Tgt Ion: 91 Resp: 164850  
Ion Ratio Lower Upper  
91 100  
92 58.2 46.2 69.4





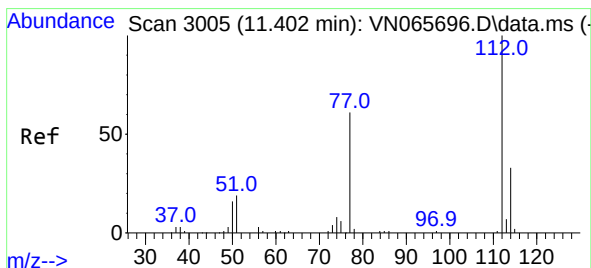
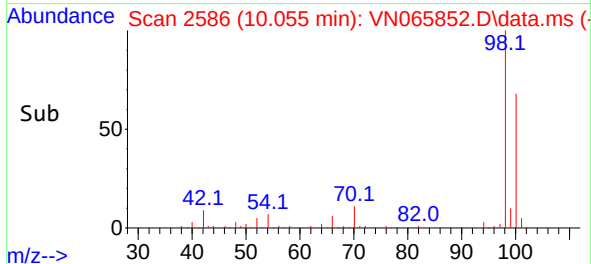
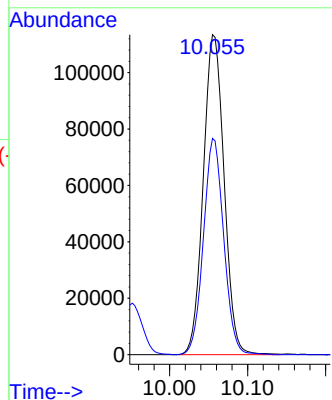
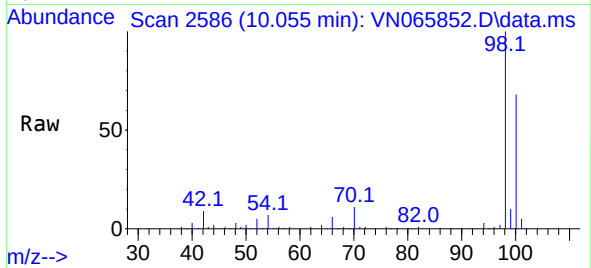
#63  
Toluene-d8  
Concen: 29.15 ug/l  
RT: 10.055 min Scan# 2586  
Delta R.T. 0.000 min  
Lab File: VN065852.D  
Acq: 12 Feb 2021 20:50

Tgt Ion: 98 Resp: 210712  
Ion Ratio Lower Upper  
98 100  
100 65.8 51.9 77.9

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

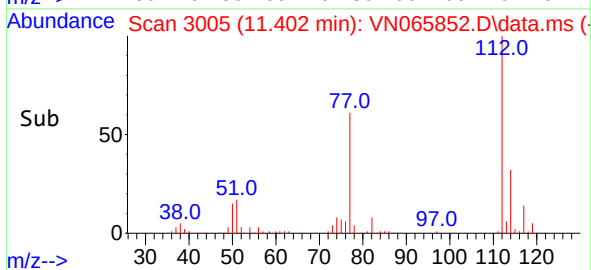
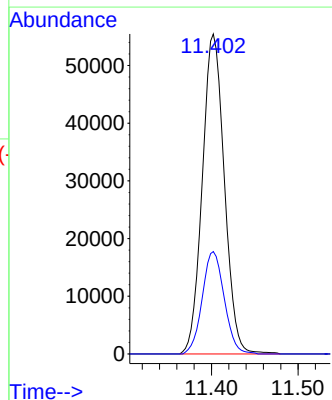
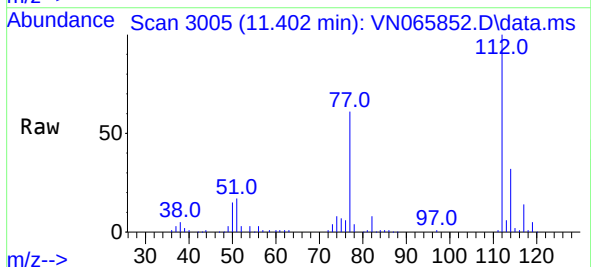
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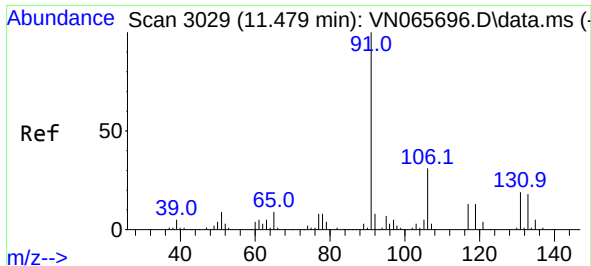
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#64  
Chlorobenzene  
Concen: 18.89 ug/l  
RT: 11.402 min Scan# 3005  
Delta R.T. 0.000 min  
Lab File: VN065852.D  
Acq: 12 Feb 2021 20:50

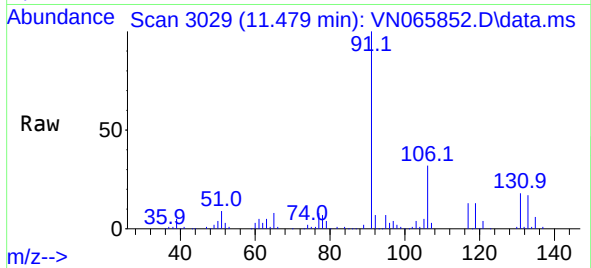
Tgt Ion: 112 Resp: 97949  
Ion Ratio Lower Upper  
112 100  
114 32.0 25.5 38.3





#65  
1,1,1,2-Tetrachloroethane  
Concen: 18.29 ug/l  
RT: 11.479 min Scan# 3029  
Delta R.T. 0.000 min  
Lab File: VN065852.D  
Acq: 12 Feb 2021 20:50

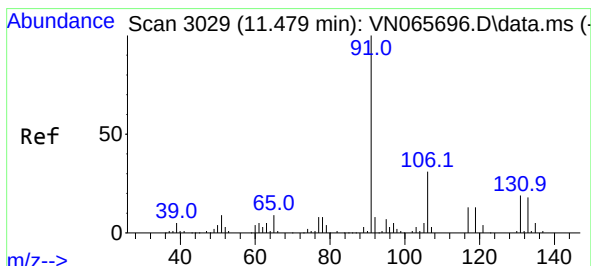
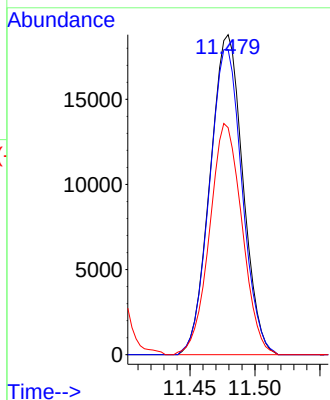
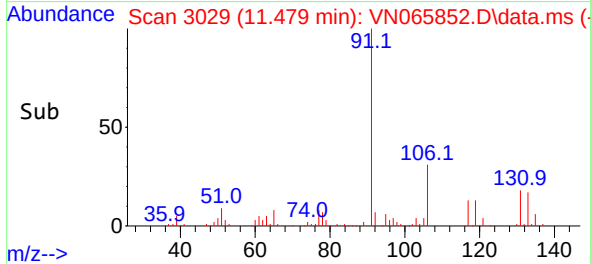
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



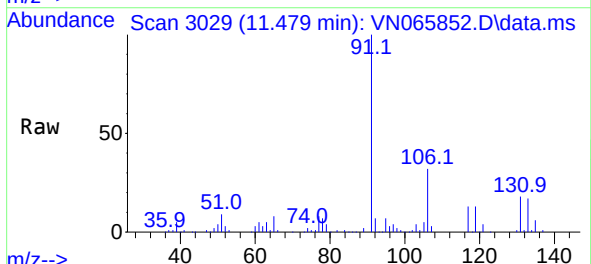
Tgt Ion:131 Resp: 32996  
Ion Ratio Lower Upper  
131 100  
133 95.1 0.0 186.2  
119 71.4 0.0 131.6

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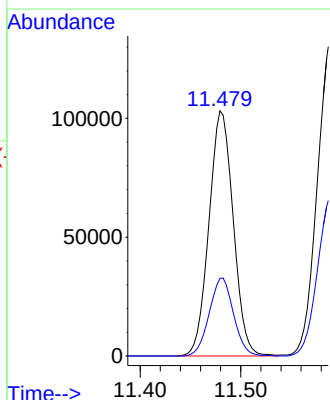
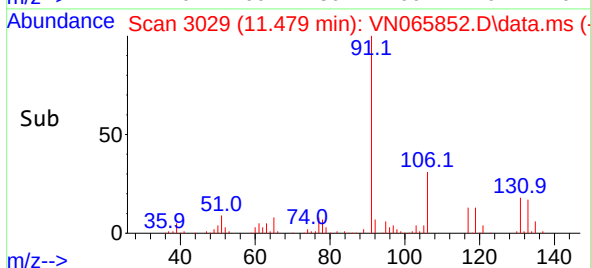
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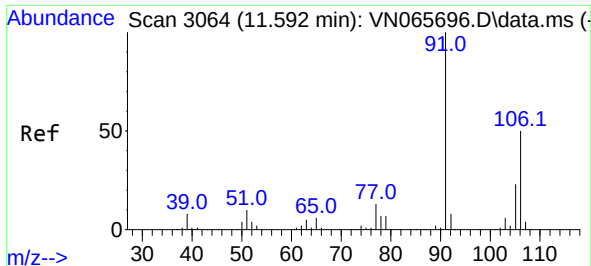


#66  
Ethyl Benzene  
Concen: 18.40 ug/l  
RT: 11.479 min Scan# 3029  
Delta R.T. 0.000 min  
Lab File: VN065852.D  
Acq: 12 Feb 2021 20:50



Tgt Ion: 91 Resp: 173112  
Ion Ratio Lower Upper  
91 100  
106 31.6 25.5 38.3





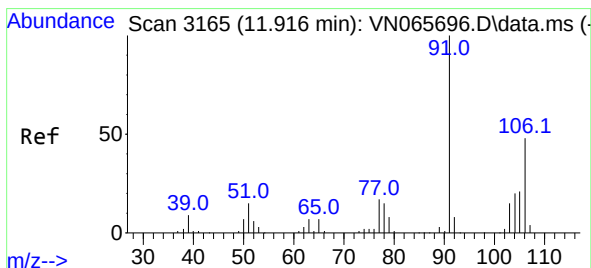
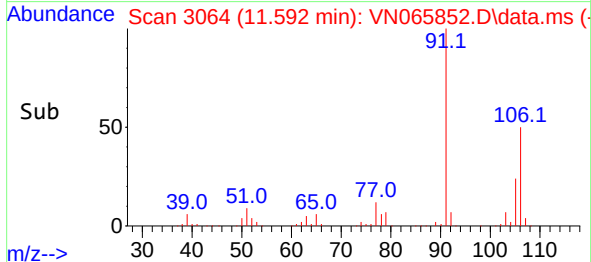
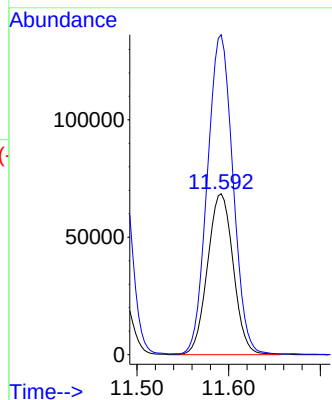
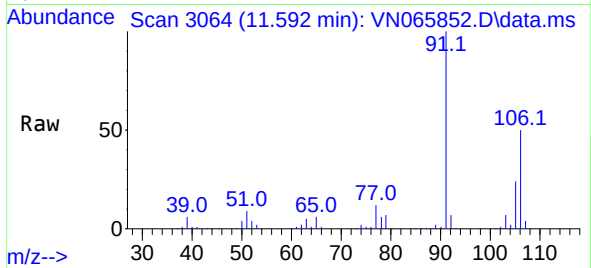
#67  
m/p-Xylenes  
Concen: 38.14 ug/l  
RT: 11.592 min Scan# 3064  
Delta R.T. 0.000 min  
Lab File: VN065852.D  
Acq: 12 Feb 2021 20:50

Tgt Ion:106 Resp: 133644  
Ion Ratio Lower Upper  
106 100  
91 197.1 159.0 238.6

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

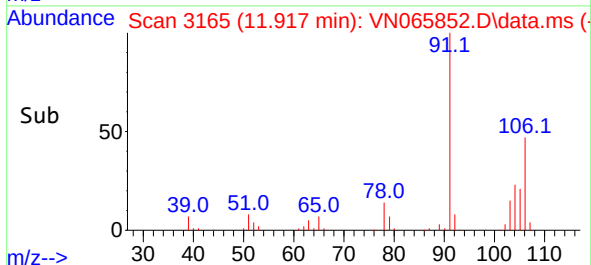
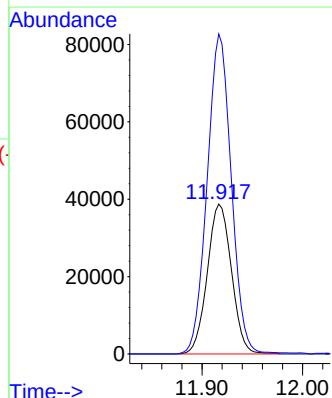
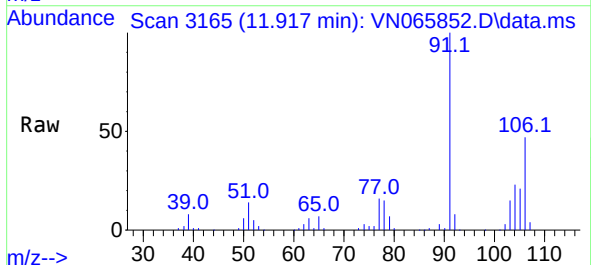
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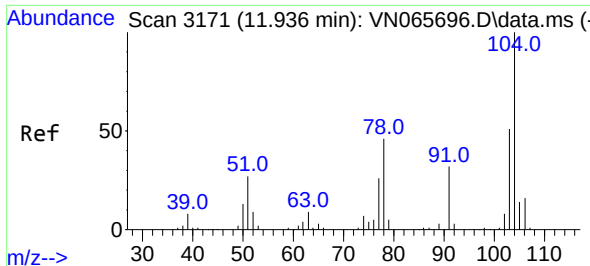
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#68  
o-Xylene  
Concen: 18.97 ug/l  
RT: 11.917 min Scan# 3165  
Delta R.T. 0.000 min  
Lab File: VN065852.D  
Acq: 12 Feb 2021 20:50

Tgt Ion:106 Resp: 64721  
Ion Ratio Lower Upper  
106 100  
91 213.2 104.7 313.9





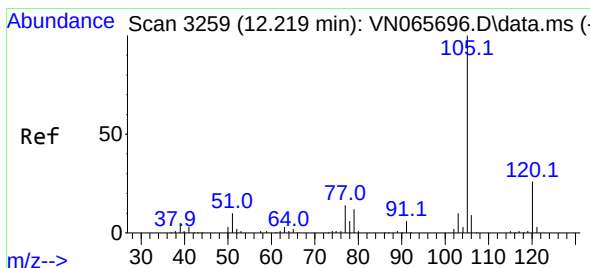
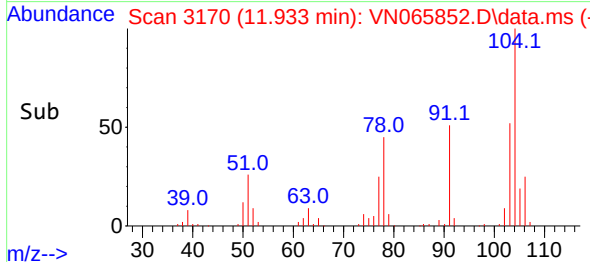
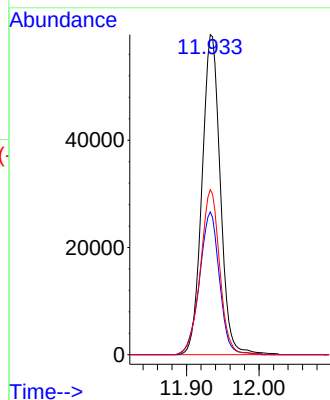
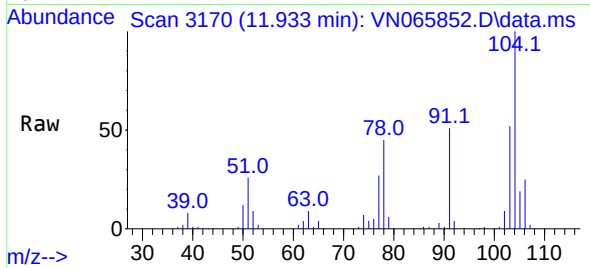
#69  
Styrene  
Concen: 18.98 ug/l  
RT: 11.933 min Scan# 3170  
Delta R.T. -0.003 min  
Lab File: VN065852.D  
Acq: 12 Feb 2021 20:50

Tgt Ion:104 Resp: 104742  
Ion Ratio Lower Upper  
104 100  
78 48.2 38.0 57.0  
103 54.3 44.3 66.5

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

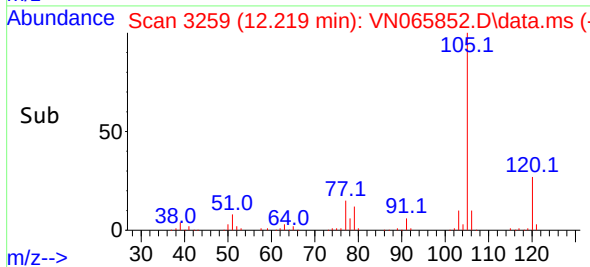
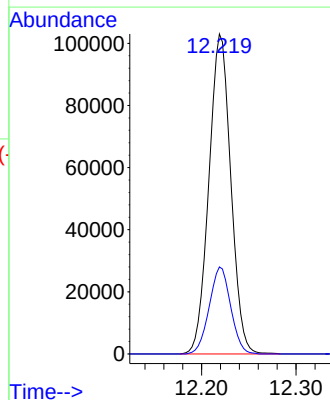
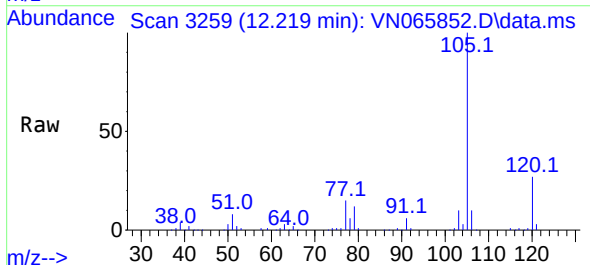
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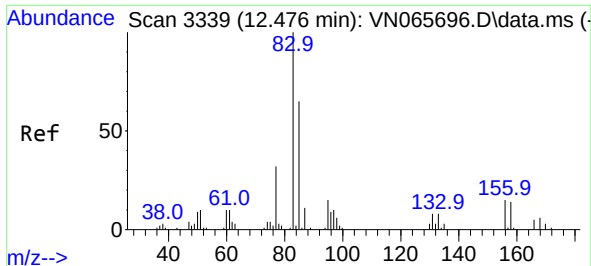
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#70  
Isopropylbenzene  
Concen: 18.92 ug/l  
RT: 12.219 min Scan# 3259  
Delta R.T. 0.000 min  
Lab File: VN065852.D  
Acq: 12 Feb 2021 20:50

Tgt Ion:105 Resp: 165826  
Ion Ratio Lower Upper  
105 100  
120 26.6 19.3 35.9





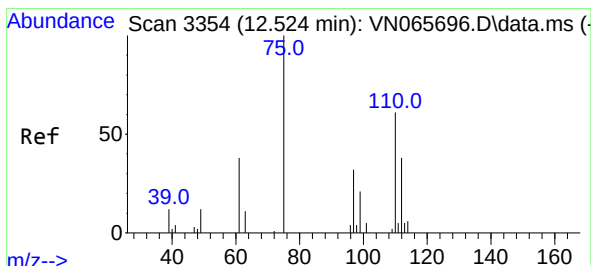
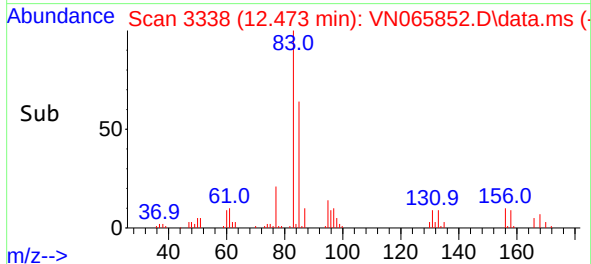
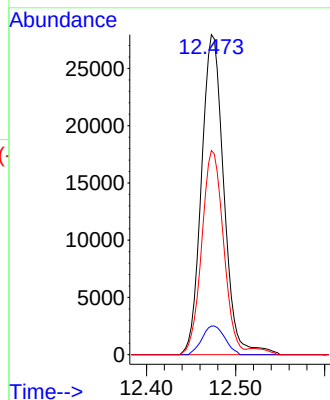
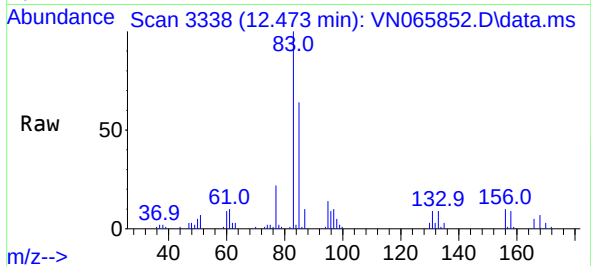
#71  
1,1,2,2-Tetrachloroethane  
Concen: 18.93 ug/l  
RT: 12.473 min Scan# 3338  
Delta R.T. -0.003 min  
Lab File: VN065852.D  
Acq: 12 Feb 2021 20:50

Tgt Ion: 83 Resp: 48676  
Ion Ratio Lower Upper  
83 100  
131 9.1 5.5 16.4  
85 62.3 32.1 96.5

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

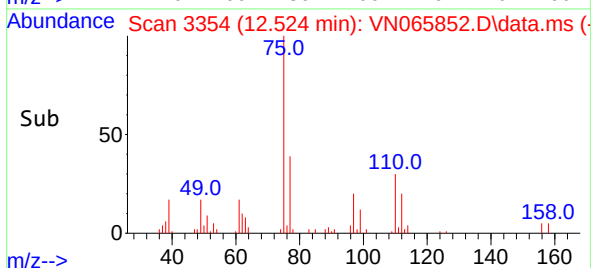
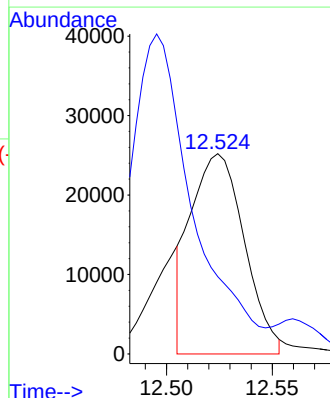
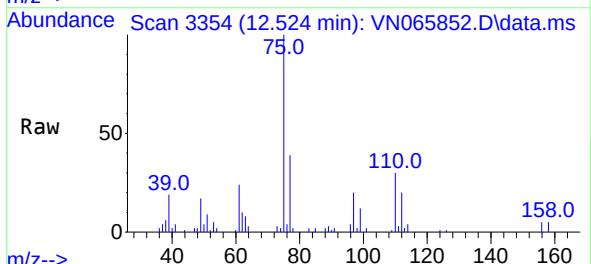
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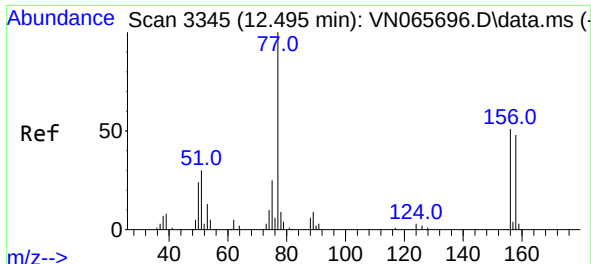
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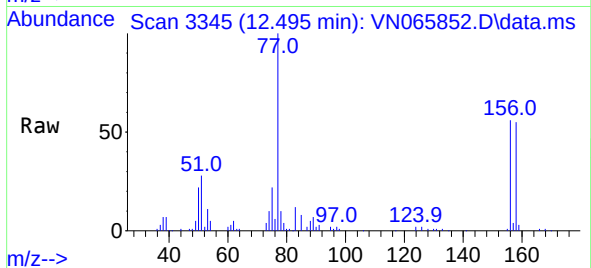
#72  
1,2,3-Trichloropropane  
Concen: 17.59 ug/l m  
RT: 12.524 min Scan# 3354  
Delta R.T. 0.000 min  
Lab File: VN065852.D  
Acq: 12 Feb 2021 20:50

Tgt Ion: 75 Resp: 44312  
Ion Ratio Lower Upper  
75 100  
77 189.3 0.0 366.4

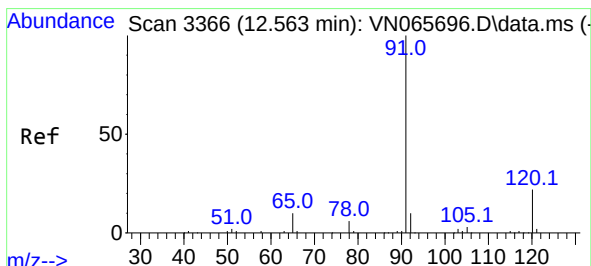
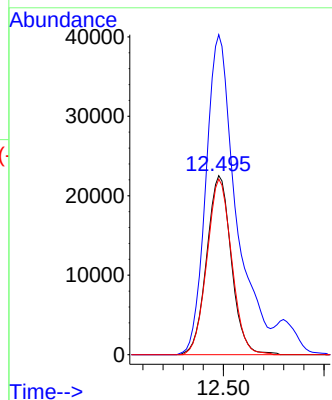
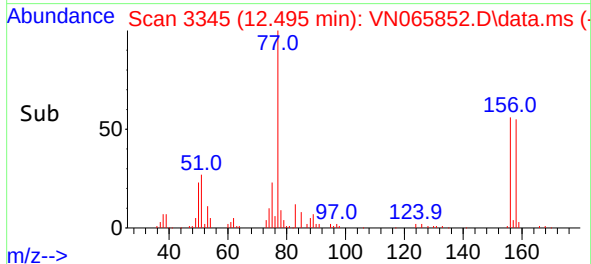




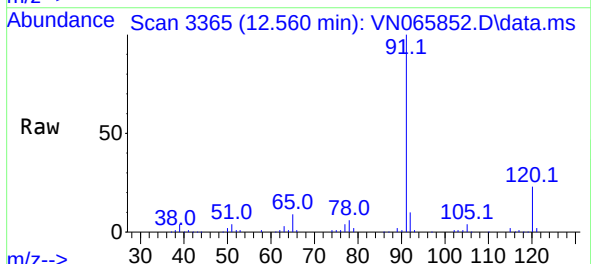
#73  
Bromobenzene  
Concen: 19.47 ug/l  
RT: 12.495 min Scan# 3345  
Delta R.T. 0.000 min  
Lab File: VN065852.D  
Acq: 12 Feb 2021 20:50



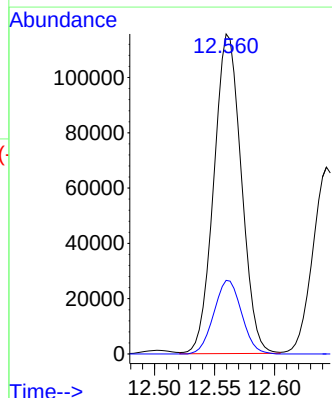
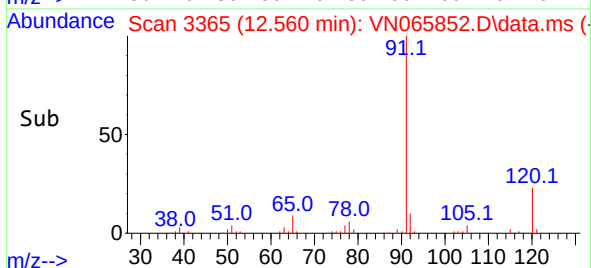
Tgt Ion: 156 Resp: 38437  
Ion Ratio Lower Upper  
156 100  
77 218.2 0.0 348.8  
158 98.2 0.0 194.8



#74  
n-propylbenzene  
Concen: 18.17 ug/l  
RT: 12.560 min Scan# 3365  
Delta R.T. -0.003 min  
Lab File: VN065852.D  
Acq: 12 Feb 2021 20:50



Tgt Ion: 91 Resp: 184049  
Ion Ratio Lower Upper  
91 100  
120 23.2 0.0 49.4

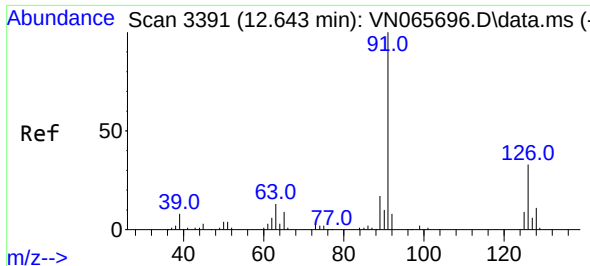


Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

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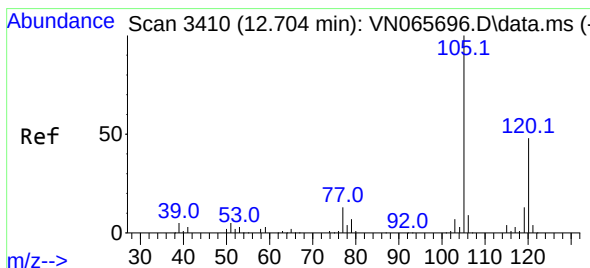
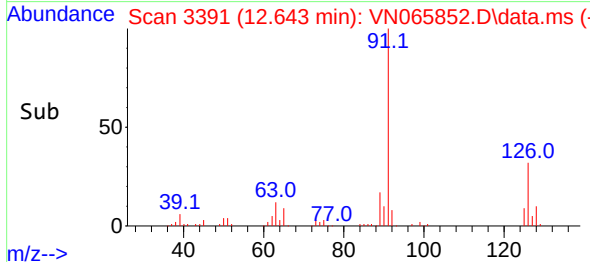
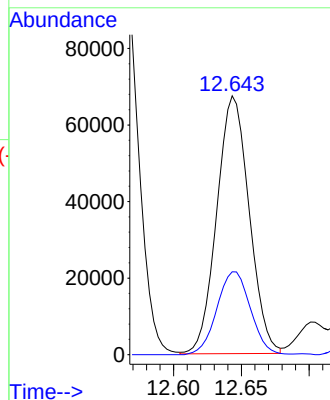
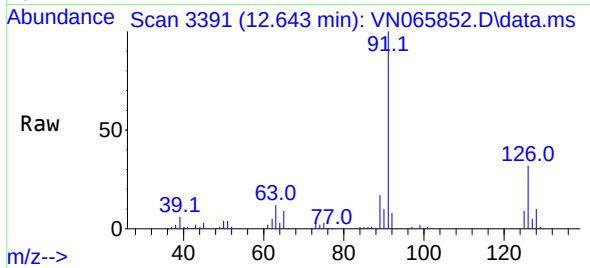
#75  
2-Chlorotoluene  
Concen: 18.27 ug/l  
RT: 12.643 min Scan# 3391  
Delta R.T. 0.000 min  
Lab File: VN065852.D  
Acq: 12 Feb 2021 20:50

Tgt Ion: 91 Resp: 112122  
Ion Ratio Lower Upper  
91 100  
126 33.2 0.0 74.2

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

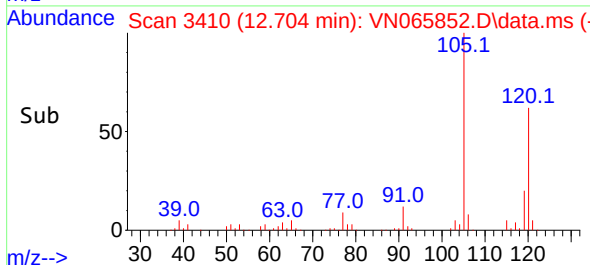
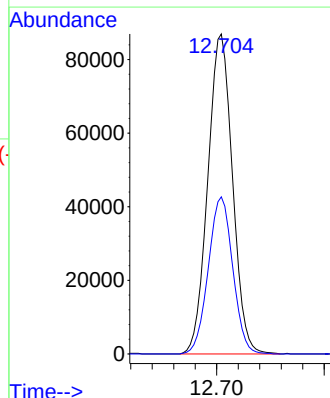
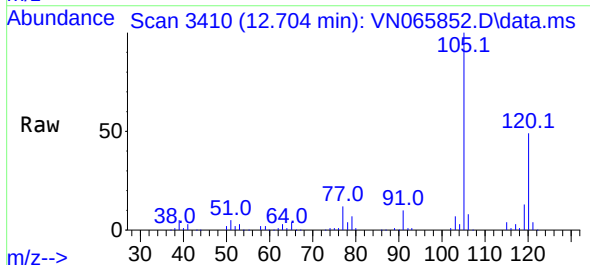
Manual Integrations  
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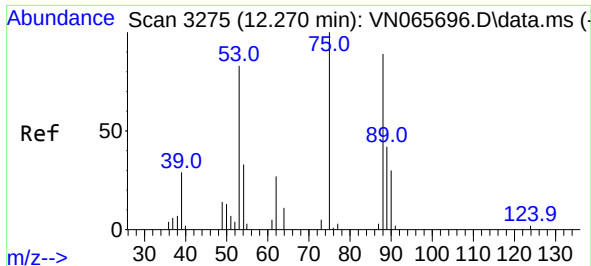
MMDadoda  
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#76  
1,3,5-Trimethylbenzene  
Concen: 18.88 ug/l  
RT: 12.704 min Scan# 3410  
Delta R.T. 0.000 min  
Lab File: VN065852.D  
Acq: 12 Feb 2021 20:50

Tgt Ion: 105 Resp: 138566  
Ion Ratio Lower Upper  
105 100  
120 48.6 0.0 101.6





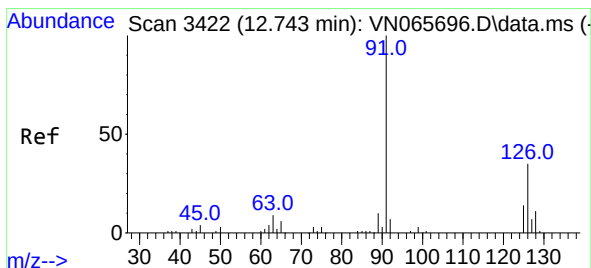
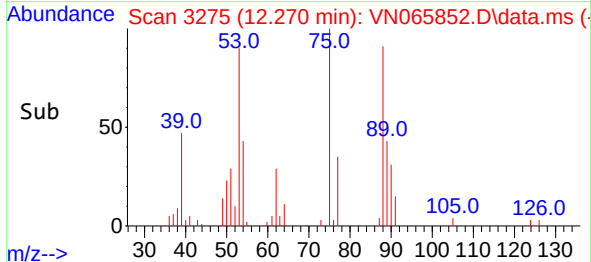
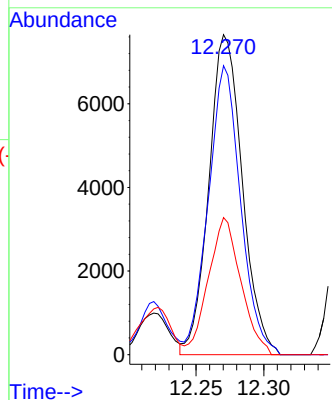
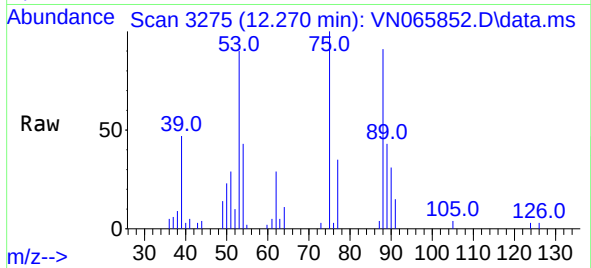
#77  
t-1,4-Dichloro-2-butene  
Concen: 13.35 ug/l  
RT: 12.270 min Scan# 3275  
Delta R.T. 0.000 min  
Lab File: VN065852.D  
Acq: 12 Feb 2021 20:50

Tgt Ion: 75 Resp: 13124  
Ion Ratio Lower Upper  
75 100  
53 90.3 44.9 134.5  
89 42.8 21.3 64.0

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

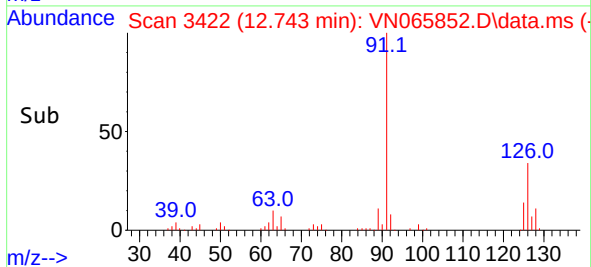
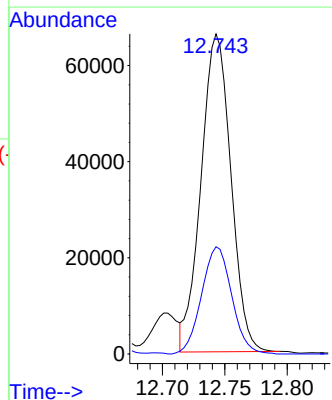
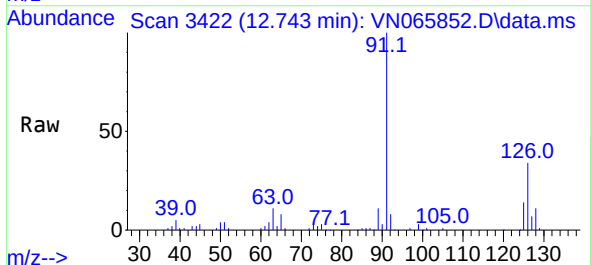
Manual Integrations  
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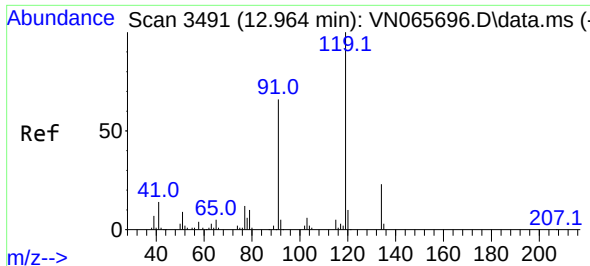
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#78  
4-Chlorotoluene  
Concen: 18.04 ug/l  
RT: 12.743 min Scan# 3422  
Delta R.T. 0.000 min  
Lab File: VN065852.D  
Acq: 12 Feb 2021 20:50

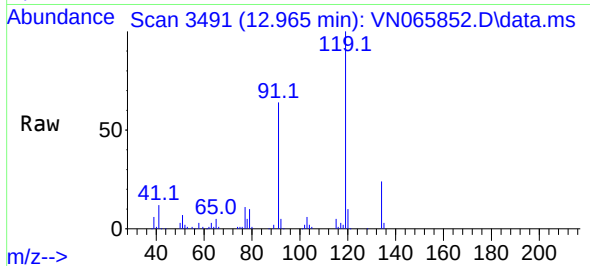
Tgt Ion: 91 Resp: 110121  
Ion Ratio Lower Upper  
91 100  
126 34.0 0.0 71.4





#79  
tert-butylbenzene  
Concen: 18.99 ug/l  
RT: 12.965 min Scan# 3491  
Delta R.T. 0.000 min  
Lab File: VN065852.D  
Acq: 12 Feb 2021 20:50

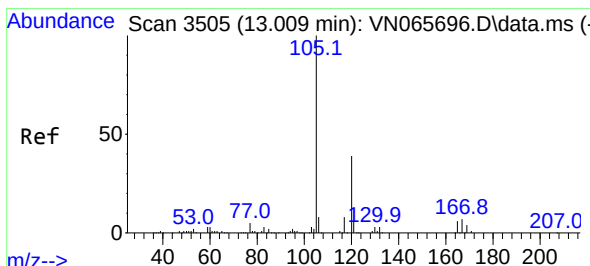
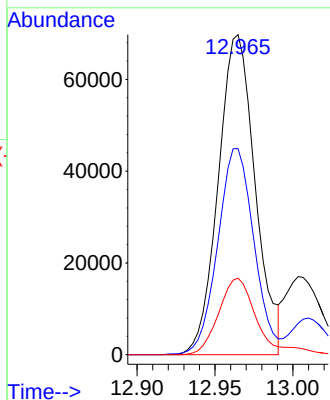
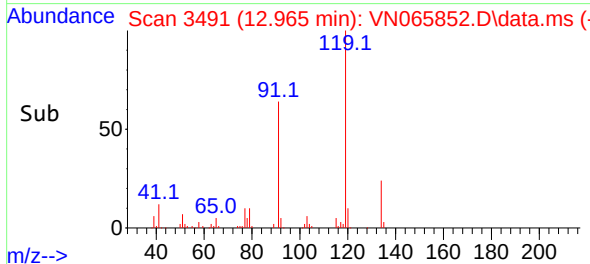
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



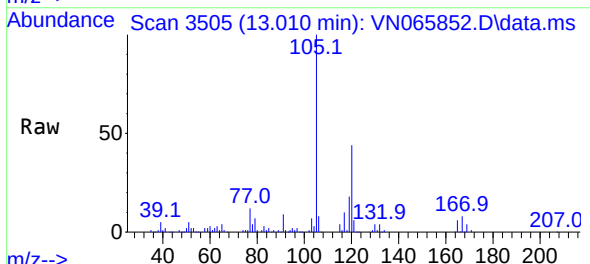
Tgt Ion:119 Resp: 115128  
Ion Ratio Lower Upper  
119 100  
91 63.1 0.0 126.0  
134 23.3 0.0 51.2

Manual Integrations  
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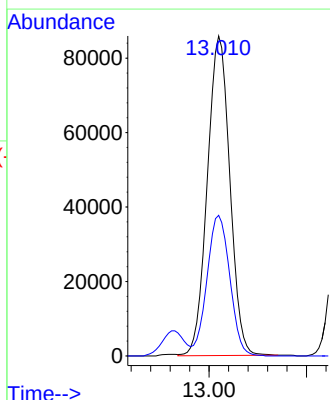
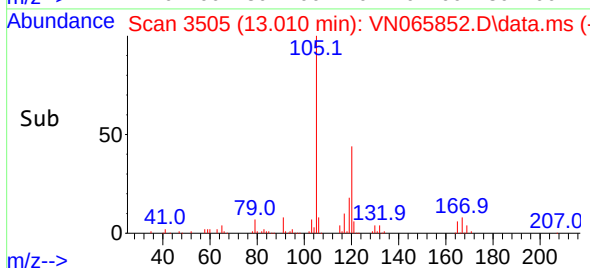
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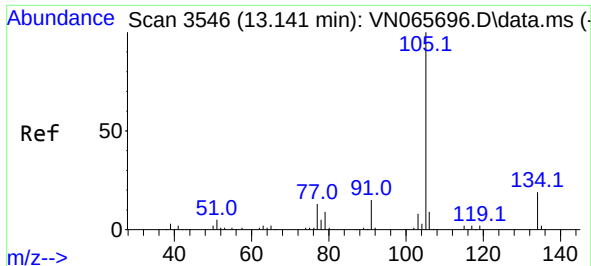


#80  
1,2,4-Trimethylbenzene  
Concen: 18.73 ug/l  
RT: 13.010 min Scan# 3505  
Delta R.T. 0.000 min  
Lab File: VN065852.D  
Acq: 12 Feb 2021 20:50



Tgt Ion:105 Resp: 137560  
Ion Ratio Lower Upper  
105 100  
120 44.7 0.0 93.6





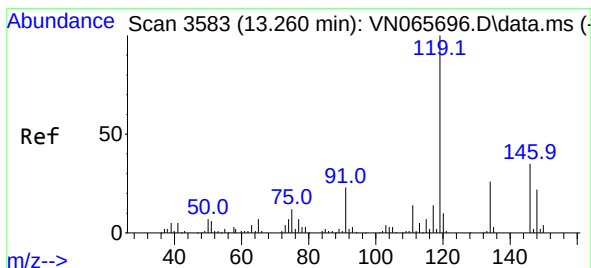
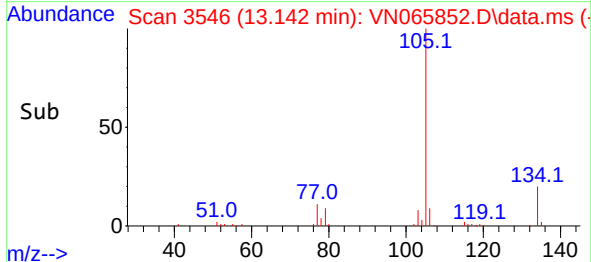
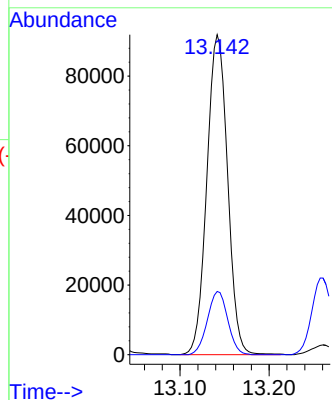
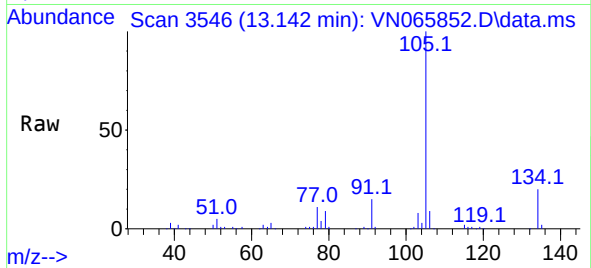
#81  
sec-Butylbenzene  
Concen: 18.33 ug/l  
RT: 13.142 min Scan# 3546  
Delta R.T. 0.000 min  
Lab File: VN065852.D  
Acq: 12 Feb 2021 20:50

Tgt Ion:105 Resp: 148373  
Ion Ratio Lower Upper  
105 100  
134 19.3 0.0 42.2

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

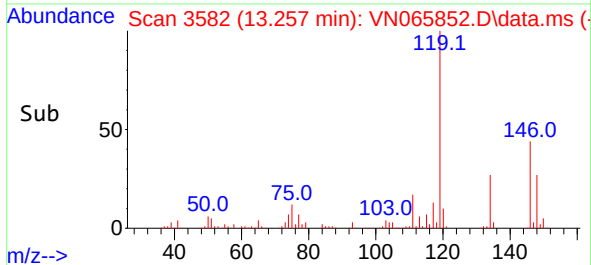
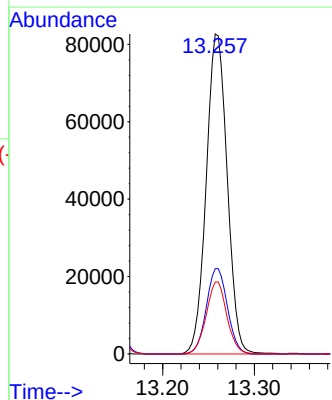
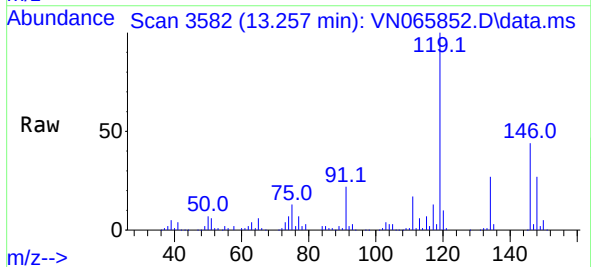
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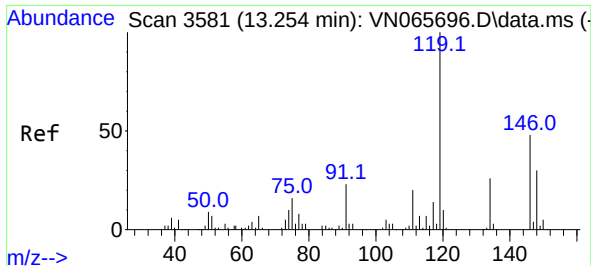
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#82  
p-Isopropyltoluene  
Concen: 18.22 ug/l  
RT: 13.257 min Scan# 3582  
Delta R.T. -0.003 min  
Lab File: VN065852.D  
Acq: 12 Feb 2021 20:50

Tgt Ion:119 Resp: 131343  
Ion Ratio Lower Upper  
119 100  
134 26.7 0.0 54.8  
91 22.2 0.0 44.8





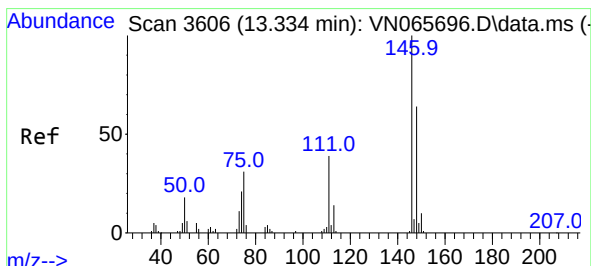
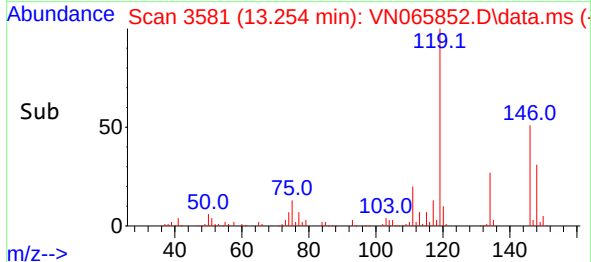
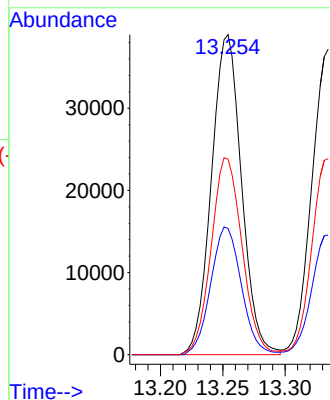
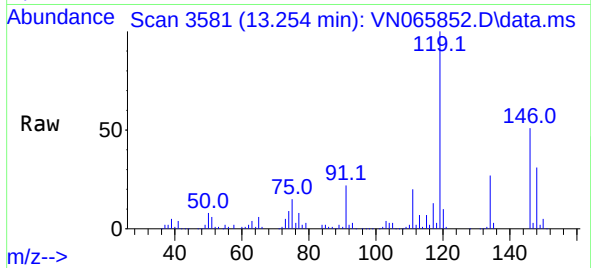
#83  
1,3-Dichlorobenzene  
Concen: 18.97 ug/l  
RT: 13.254 min Scan# 3581  
Delta R.T. 0.000 min  
Lab File: VN065852.D  
Acq: 12 Feb 2021 20:50

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 146   | Resp: | 65517 |
| Ion      | Ratio | Lower | Upper |
| 146      | 100   |       |       |
| 111      | 40.6  | 18.6  | 55.8  |
| 148      | 63.2  | 32.0  | 96.2  |

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

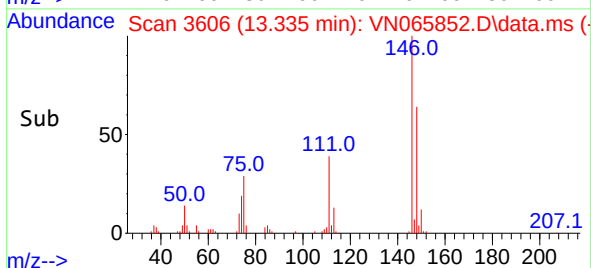
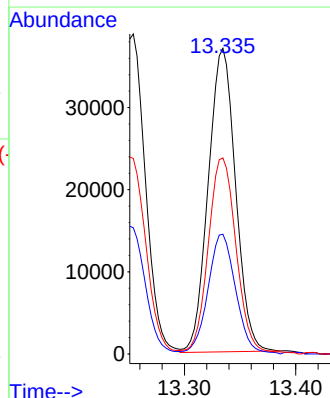
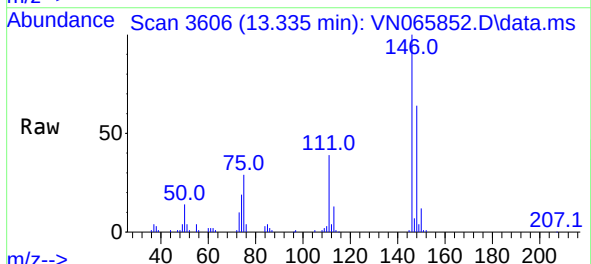
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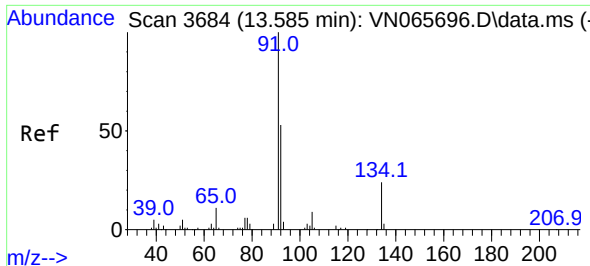
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#84  
1,4-Dichlorobenzene  
Concen: 18.58 ug/l  
RT: 13.335 min Scan# 3606  
Delta R.T. 0.000 min  
Lab File: VN065852.D  
Acq: 12 Feb 2021 20:50

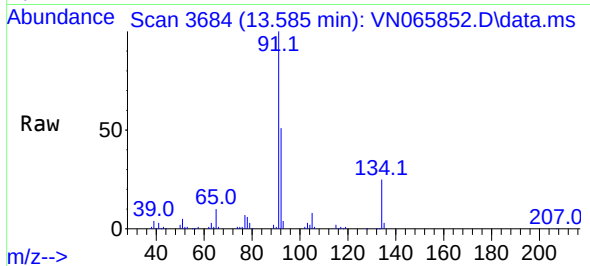
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 146   | Resp: | 62946 |
| Ion      | Ratio | Lower | Upper |
| 146      | 100   |       |       |
| 111      | 40.1  | 17.9  | 53.7  |
| 148      | 66.5  | 31.8  | 95.4  |





#85  
n-Butylbenzene  
Concen: 17.09 ug/l  
RT: 13.585 min Scan# 3684  
Delta R.T. 0.000 min  
Lab File: VN065852.D  
Acq: 12 Feb 2021 20:50

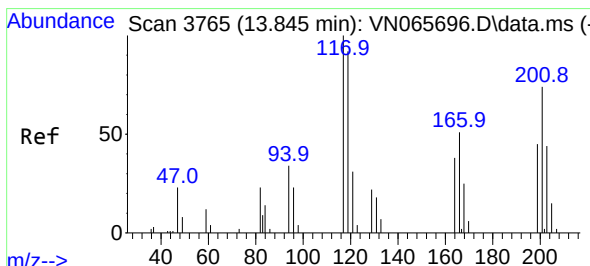
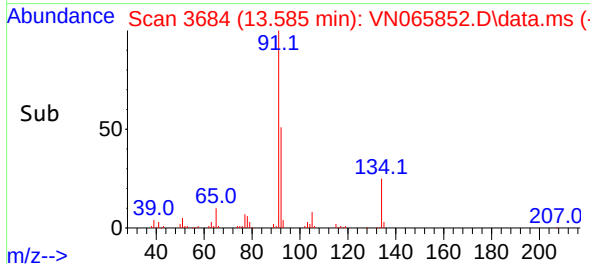
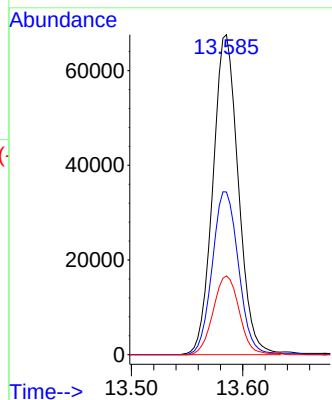
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion: 91 Resp: 107493  
Ion Ratio Lower Upper  
91 100  
92 52.5 0.0 104.8  
134 25.2 0.0 55.8

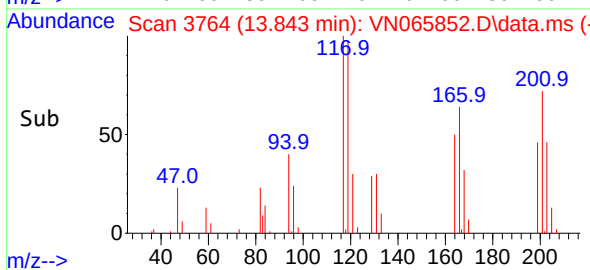
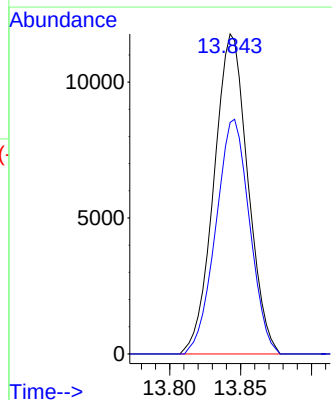
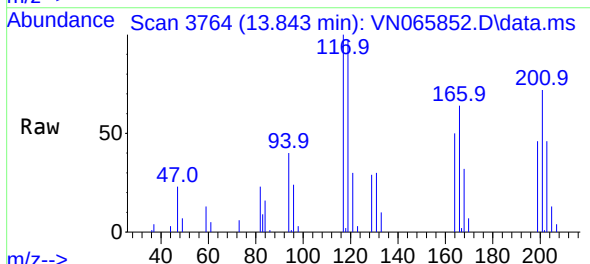
Manual Integrations  
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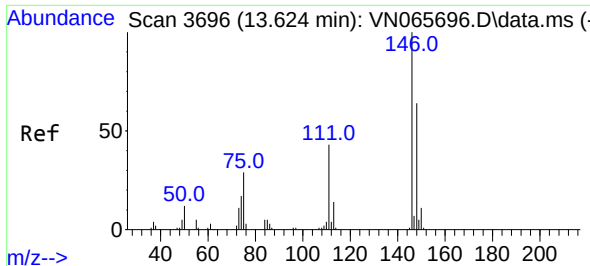
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#86  
Hexachloroethane  
Concen: 15.67 ug/l  
RT: 13.843 min Scan# 3764  
Delta R.T. -0.003 min  
Lab File: VN065852.D  
Acq: 12 Feb 2021 20:50

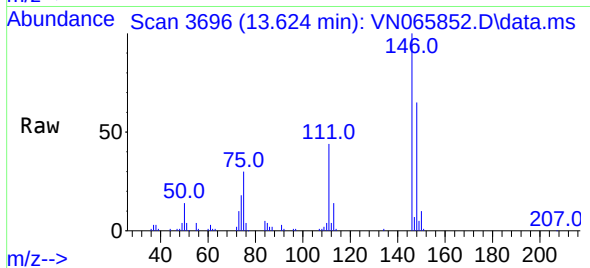
Tgt Ion: 117 Resp: 19608  
Ion Ratio Lower Upper  
117 100  
201 73.1 48.4 145.3



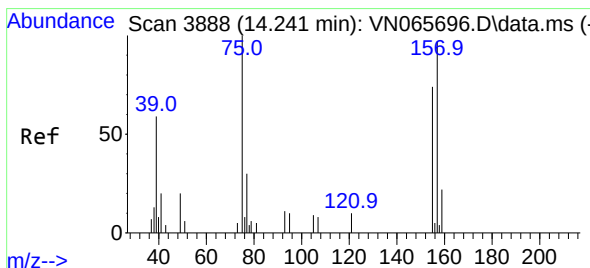
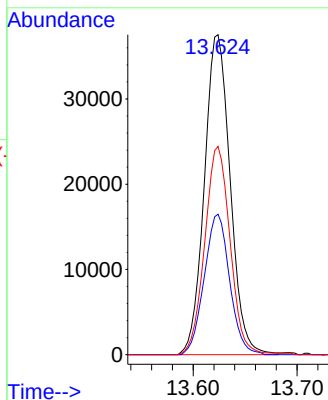
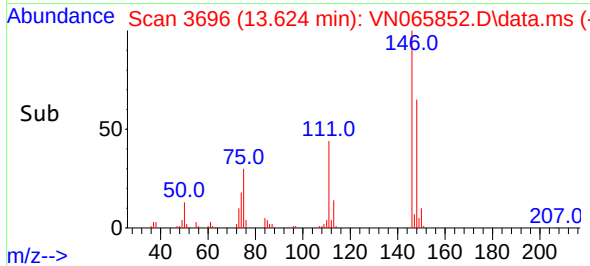


#87

1,2-Dichlorobenzene  
Concen: 18.78 ug/l  
RT: 13.624 min Scan# 3696  
Delta R.T. 0.000 min  
Lab File: VN065852.D  
Acq: 12 Feb 2021 20:50

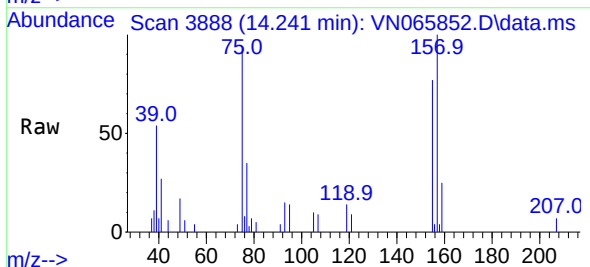


|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 146   | Resp: | 64841 |
| Ion Ratio | Lower | Upper |       |
| 146       | 100   |       |       |
| 111       | 43.2  | 18.9  | 56.9  |
| 148       | 63.9  | 32.3  | 96.8  |

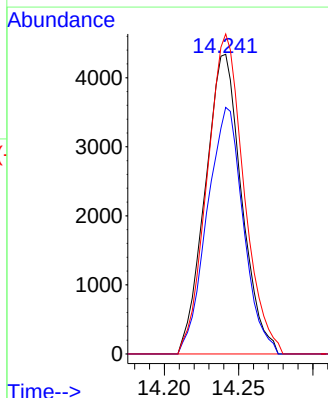
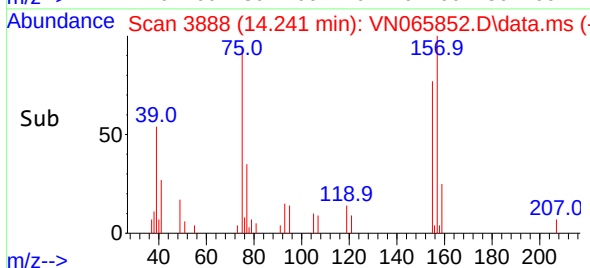


#88

1,2-Dibromo-3-Chloropropane  
Concen: 14.91 ug/l  
RT: 14.241 min Scan# 3888  
Delta R.T. 0.000 min  
Lab File: VN065852.D  
Acq: 12 Feb 2021 20:50



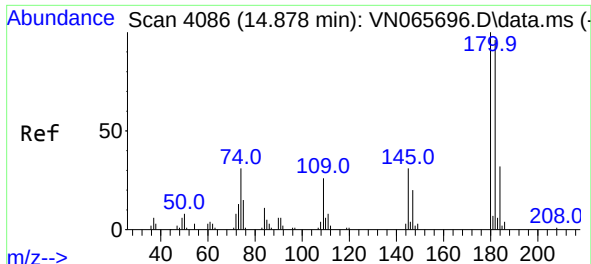
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 7388  |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 155       | 81.8  | 76.9  | 115.3 |
| 157       | 107.5 | 105.8 | 158.8 |



Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

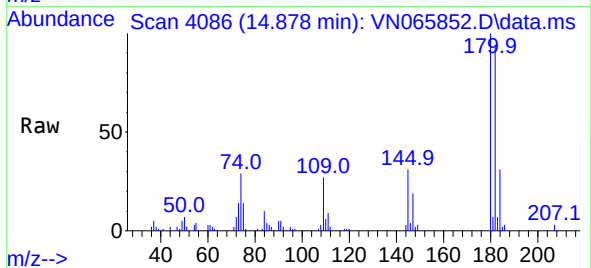
Manual Integrations  
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#89  
1,2,4-Trichlorobenzene  
Concen: 16.26 ug/l  
RT: 14.878 min Scan# 4086  
Delta R.T. 0.000 min  
Lab File: VN065852.D  
Acq: 12 Feb 2021 20:50

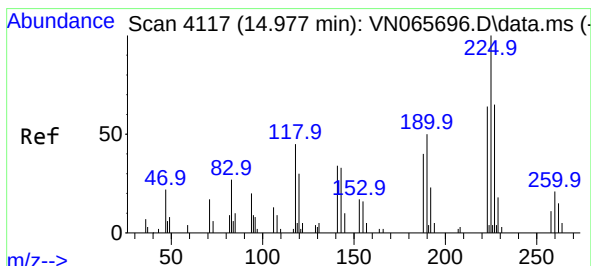
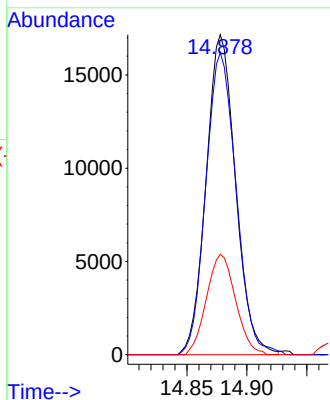
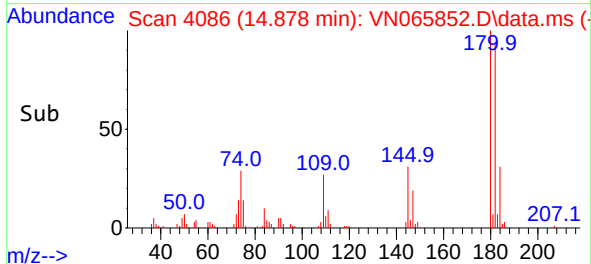
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



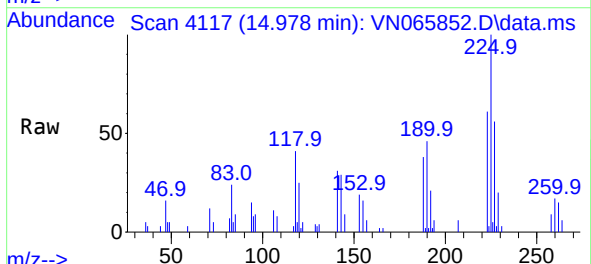
Tgt Ion:180 Resp: 29274  
Ion Ratio Lower Upper  
180 100  
182 96.9 78.5 117.7  
145 30.9 23.8 35.6

Manual Integrations  
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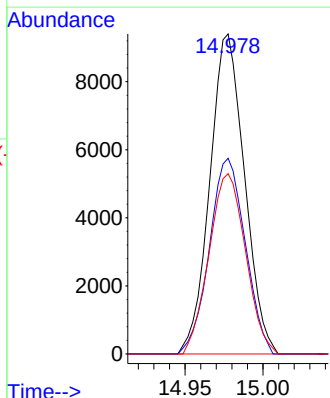
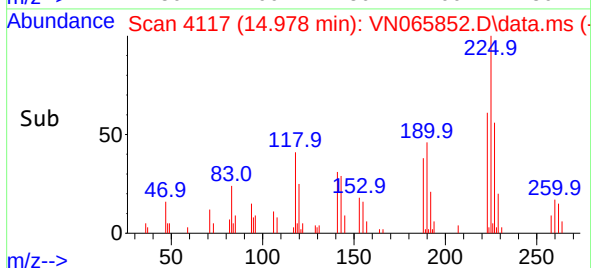
MMDadoda  
2/15/2021 1:32:28 PM



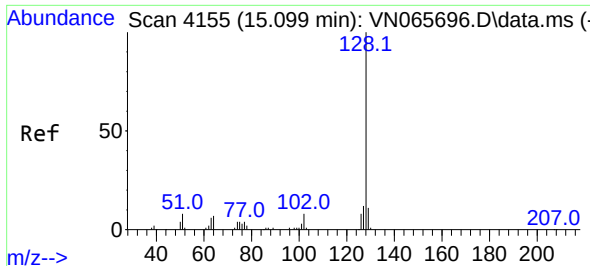
#90  
Hexachlorobutadiene  
Concen: 17.81 ug/l  
RT: 14.978 min Scan# 4117  
Delta R.T. 0.000 min  
Lab File: VN065852.D  
Acq: 12 Feb 2021 20:50



Tgt Ion:225 Resp: 14542  
Ion Ratio Lower Upper  
225 100  
223 63.1 0.0 122.0  
227 59.4 0.0 126.4

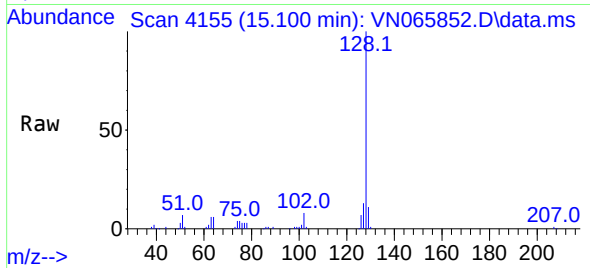






#91  
Naphthalene  
Concen: 16.29 ug/l  
RT: 15.100 min Scan# 4155  
Delta R.T. 0.000 min  
Lab File: VN065852.D  
Acq: 12 Feb 2021 20:50

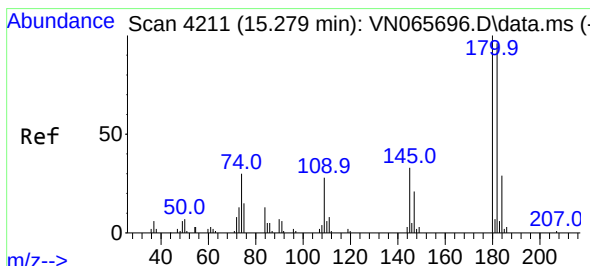
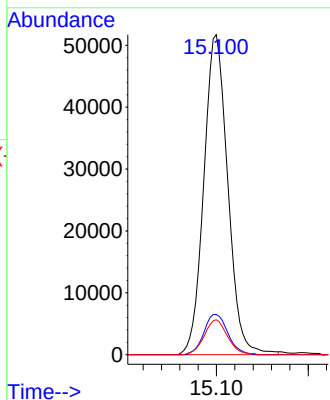
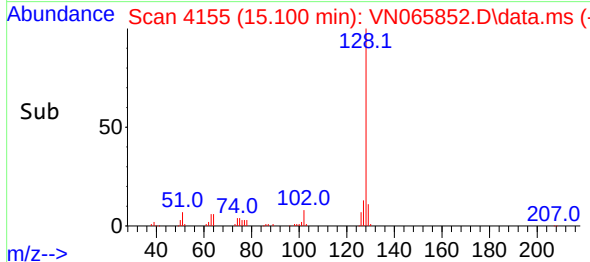
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



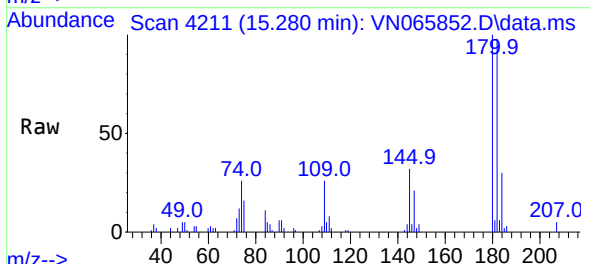
Tgt Ion:128 Resp: 93875  
Ion Ratio Lower Upper  
128 100  
127 12.5 10.1 15.1  
129 10.5 8.6 12.8

Manual Integrations  
APPROVED

MMDadoda  
2/15/2021 1:32:28 PM



#92  
1,2,3-Trichlorobenzene  
Concen: 16.48 ug/l  
RT: 15.280 min Scan# 4211  
Delta R.T. 0.000 min  
Lab File: VN065852.D  
Acq: 12 Feb 2021 20:50



Tgt Ion:180 Resp: 29762  
Ion Ratio Lower Upper  
180 100  
182 96.6 0.0 190.4  
145 31.9 0.0 57.8

