

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD122820\  
 Data File : VD067959.D  
 Acq On : 28 Dec 2020 16:47  
 Operator : VA/SY  
 Sample : VSTDCCC050  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 12/29/2020 11:32:54 AM

Quant Time: Dec 29 00:12:03 2020  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D122220S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Dec 23 07:34:16 2020  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|--------|------|----------|-------|-------|----------|
| -----                      |        |      |          |       |       |          |
| Internal Standards         |        |      |          |       |       |          |
| 1) Pentafluorobenzene      | 7.979  | 168  | 298264   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.861  | 114  | 510095   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.644 | 117  | 464233   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.573 | 152  | 221747   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |      |        |
|---------------------------|--------|-------|----------|----------|------|--------|
| 33) 1,2-Dichloroethane-d4 | 8.326  | 65    | 152711   | 47.41    | ug/l | 0.00   |
| Spiked Amount             | 50.000 | Range | 50 - 163 | Recovery | =    | 94.82% |
| 35) Dibromofluoromethane  | 7.914  | 113   | 158389   | 49.28    | ug/l | 0.00   |
| Spiked Amount             | 50.000 | Range | 54 - 147 | Recovery | =    | 98.56% |
| 50) Toluene-d8            | 10.338 | 98    | 562567   | 46.57    | ug/l | 0.00   |
| Spiked Amount             | 50.000 | Range | 49 - 140 | Recovery | =    | 93.14% |
| 62) 4-Bromofluorobenzene  | 12.632 | 95    | 201395   | 48.74    | ug/l | 0.00   |
| Spiked Amount             | 50.000 | Range | 25 - 144 | Recovery | =    | 97.48% |

## Target Compounds

|                              |       |     |         |        |        | Qvalue |
|------------------------------|-------|-----|---------|--------|--------|--------|
| 2) Dichlorodifluoromethane   | 1.985 | 85  | 158582  | 52.20  | ug/l   | 96     |
| 3) Chloromethane             | 2.209 | 50  | 183618  | 44.21  | ug/l   | 95     |
| 4) Vinyl Chloride            | 2.350 | 62  | 181110  | 46.80  | ug/l   | 88     |
| 5) Bromomethane              | 2.768 | 94  | 120636  | 49.27  | ug/l   | 95     |
| 6) Chloroethane              | 2.926 | 64  | 110471  | 46.44  | ug/l   | 100    |
| 7) Trichlorofluoromethane    | 3.268 | 101 | 303642  | 53.24  | ug/l   | 99     |
| 8) Diethyl Ether             | 3.703 | 74  | 87650   | 53.60  | ug/l   | 96     |
| 9) 1,1,2-Trichlorotrifluo... | 4.091 | 101 | 172966  | 50.88  | ug/l   | 96     |
| 10) Methyl Iodide            | 4.297 | 142 | 176151  | 50.72  | ug/l   | 97     |
| 11) Tert butyl alcohol       | 5.209 | 59  | 44728   | 237.27 | ug/l # | 90     |
| 12) 1,1-Dichloroethene       | 4.068 | 96  | 167683  | 51.42  | ug/l   | 86     |
| 13) Acrolein                 | 3.921 | 56  | 51621   | 225.21 | ug/l   | 97     |
| 14) Allyl chloride           | 4.709 | 41  | 281297  | 48.51  | ug/l   | 95     |
| 15) Acrylonitrile            | 5.420 | 53  | 195848  | 250.16 | ug/l   | 99     |
| 16) Acetone                  | 4.156 | 43  | 164151  | 266.94 | ug/l   | 95     |
| 17) Carbon Disulfide         | 4.403 | 76  | 566554  | 49.86  | ug/l   | 99     |
| 18) Methyl Acetate           | 4.709 | 43  | 88705   | 48.81  | ug/l   | 100    |
| 19) Methyl tert-butyl Ether  | 5.473 | 73  | 371388  | 54.77  | ug/l   | 94     |
| 20) Methylene Chloride       | 4.956 | 84  | 215391  | 54.88  | ug/l   | 96     |
| 21) trans-1,2-Dichloroethene | 5.468 | 96  | 197409  | 50.66  | ug/l   | 96     |
| 22) Diisopropyl ether        | 6.356 | 45  | 593638  | 50.83  | ug/l   | 96     |
| 23) Vinyl Acetate            | 6.303 | 43  | 1573645 | 265.10 | ug/l   | 100    |
| 24) 1,1-Dichloroethane       | 6.256 | 63  | 350405  | 49.57  | ug/l   | 98     |
| 25) 2-Butanone               | 7.203 | 43  | 232404  | 256.27 | ug/l   | 100    |
| 26) 2,2-Dichloropropane      | 7.203 | 77  | 286902  | 51.51  | ug/l   | 99     |
| 27) cis-1,2-Dichloroethene   | 7.209 | 96  | 215974  | 51.87  | ug/l   | 99     |
| 28) Bromochloromethane       | 7.544 | 49  | 126516  | 47.47  | ug/l   | 92     |
| 29) Tetrahydrofuran          | 7.556 | 42  | 156575  | 255.24 | ug/l   | 99     |
| 30) Chloroform               | 7.709 | 83  | 357752  | 51.66  | ug/l   | 100    |
| 31) Cyclohexane              | 7.979 | 56  | 320157  | 48.63  | ug/l # | 93     |
| 32) 1,1,1-Trichloroethane    | 7.903 | 97  | 305891  | 51.57  | ug/l   | 99     |
| 36) 1,1-Dichloropropene      | 8.109 | 75  | 274368  | 50.61  | ug/l   | 98     |
| 37) Ethyl Acetate            | 7.285 | 43  | 110737  | 50.48  | ug/l   | 99     |
| 38) Carbon Tetrachloride     | 8.091 | 117 | 269924  | 52.12  | ug/l   | 94     |
| 39) Methylcyclohexane        | 9.356 | 83  | 327891  | 52.75  | ug/l   | 96     |
| 40) Benzene                  | 8.350 | 78  | 792486  | 50.39  | ug/l   | 100    |
| 41) Methacrylonitrile        | 7.514 | 41  | 61998   | 50.21  | ug/l   | 94     |

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 Operator : VA/SY  
 Sample : VSTDCCC050  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleID :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 12/29/2020 11:32:54 AM

Quant Time: Dec 29 00:12:03 2020  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D122220S.M  
 Quant Title : Sw846 8260  
 QLast Update : Wed Dec 23 07:34:16 2020  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 42) 1,2-Dichloroethane        | 8.420  | 62   | 219702   | 51.80   | ug/l   | 97       |
| 43) Isopropyl Acetate         | 8.450  | 43   | 201137   | 49.95   | ug/l   | 96       |
| 44) Trichloroethene           | 9.114  | 130  | 200522   | 50.86   | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 9.385  | 63   | 206214   | 51.50   | ug/l   | 94       |
| 46) Dibromomethane            | 9.479  | 93   | 106215   | 54.58   | ug/l   | 95       |
| 47) Bromodichloromethane      | 9.661  | 83   | 276463   | 52.65   | ug/l   | 100      |
| 48) Methyl methacrylate       | 9.456  | 41   | 109910   | 52.81   | ug/l   | 98       |
| 49) 1,4-Dioxane               | 9.461  | 88   | 21584    | 1015.70 | ug/l # | 91       |
| 51) 4-Methyl-2-Pentanone      | 10.226 | 43   | 540828   | 259.38  | ug/l   | 96       |
| 52) Toluene                   | 10.403 | 92   | 501958   | 51.70   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.620 | 75   | 252629   | 53.20   | ug/l   | 95       |
| 54) cis-1,3-Dichloropropene   | 10.091 | 75   | 307297   | 52.30   | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 10.803 | 97   | 141189   | 51.91   | ug/l   | 99       |
| 56) Ethyl methacrylate        | 10.661 | 69   | 170200   | 55.69   | ug/l   | 96       |
| 57) 1,3-Dichloropropane       | 10.950 | 76   | 251002   | 52.48   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.944  | 63   | 438053   | 284.84  | ug/l   | 99       |
| 59) 2-Hexanone                | 10.985 | 43   | 365097   | 266.44  | ug/l   | 99       |
| 60) Dibromochloromethane      | 11.144 | 129  | 181809   | 53.96   | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.244 | 107  | 134806   | 51.66   | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.873 | 164  | 163341   | 50.16   | ug/l   | 97       |
| 65) Chlorobenzene             | 11.673 | 112  | 509281   | 50.85   | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 11.744 | 131  | 190941   | 53.41   | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.744 | 91   | 942112   | 52.75   | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.855 | 106  | 725774   | 106.63  | ug/l   | 99       |
| 69) o-Xylene                  | 12.179 | 106  | 329555   | 54.11   | ug/l   | 98       |
| 70) Styrene                   | 12.197 | 104  | 580614   | 55.17   | ug/l   | 98       |
| 71) Bromoform                 | 12.361 | 173  | 96608    | 53.47   | ug/l # | 97       |
| 73) Isopropylbenzene          | 12.479 | 105  | 890290   | 54.09   | ug/l   | 100      |
| 74) N-ethyl acetate           | 12.291 | 43   | 194312   | 52.01   | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 12.732 | 83   | 152281   | 49.87   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.779 | 75   | 94155m   | 50.43   | ug/l   |          |
| 77) Bromobenzene              | 12.761 | 156  | 200868   | 53.37   | ug/l   | 99       |
| 78) n-propylbenzene           | 12.820 | 91   | 1094263  | 53.48   | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 12.908 | 91   | 597212   | 51.66   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.961 | 105  | 743794   | 54.41   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.526 | 75   | 50726    | 55.69   | ug/l   | 93       |
| 82) 4-Chlorotoluene           | 13.002 | 91   | 646229   | 53.20   | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.226 | 119  | 624606   | 55.55   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.267 | 105  | 734841   | 53.60   | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.402 | 105  | 879024   | 53.43   | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.514 | 119  | 801194   | 55.34   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.514 | 146  | 386886   | 51.68   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.596 | 146  | 384627   | 52.03   | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.844 | 91   | 785322   | 54.69   | ug/l   | 100      |
| 90) Hexachloroethane          | 14.108 | 117  | 157565   | 53.27   | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 13.891 | 146  | 338331   | 53.68   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.502 | 75   | 23574    | 49.31   | ug/l   | 99       |
| 93) 1,2,4-Trichlorobenzene    | 15.161 | 180  | 212174   | 56.70   | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.267 | 225  | 117269   | 53.56   | ug/l   | 98       |
| 95) Naphthalene               | 15.402 | 128  | 382616   | 57.86   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.591 | 180  | 182607   | 56.48   | ug/l   | 95       |

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

**Instrument :**

MSVOA\_D

**ClientSampleId :**

VSTDCCC050EC

**Manual Integrations**

**APPROVED**

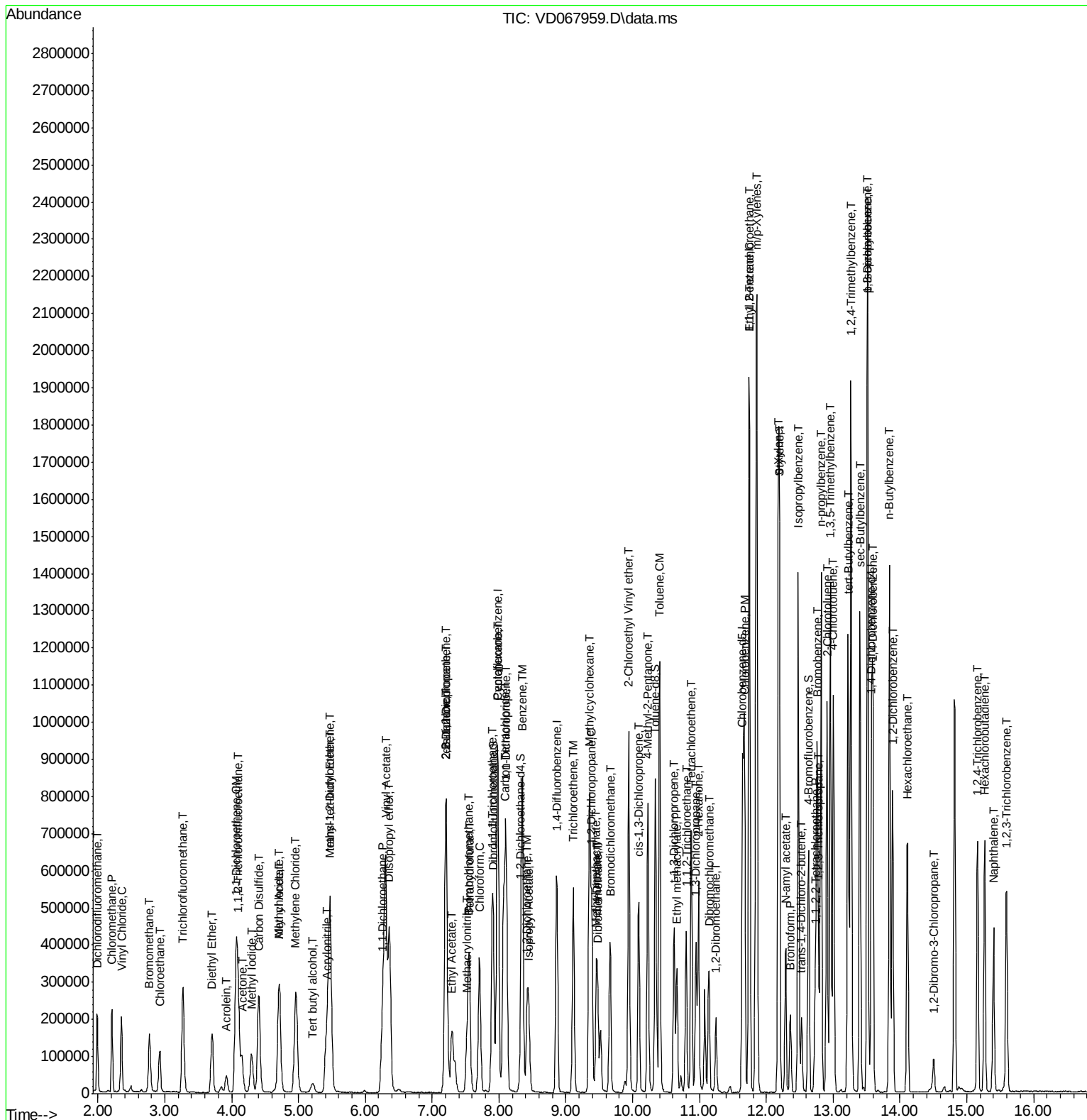
MMDadoda

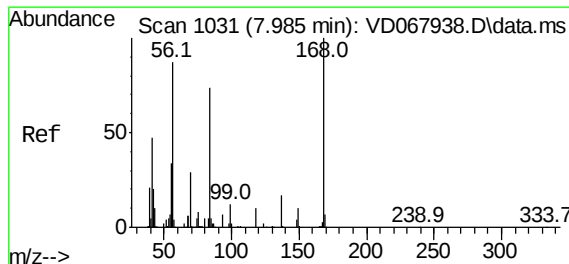
12/29/2020 11:32:54 AM

## Manual Integrations APPROVED

MMDadoda  
12/29/2020 11:32:54 AM

Quant Time: Dec 29 00:12:03 2020  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D122220S.M  
Quant Title : SW846 8260  
QLast Update : wed Dec 23 07:34:16 2020  
Response via : Initial Calibration





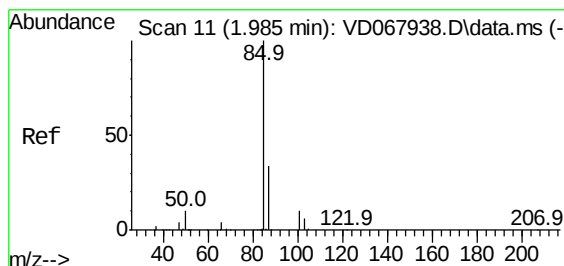
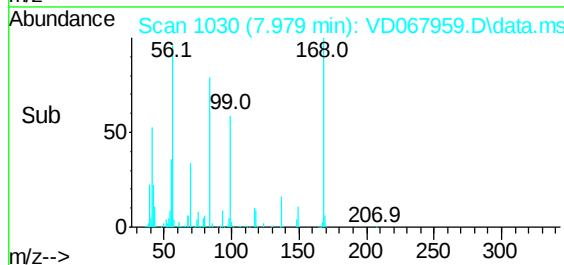
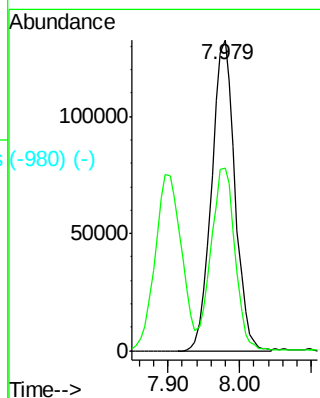
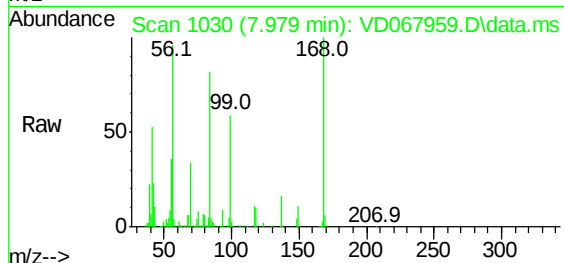
#19 (-)  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.006 min  
Lab File: VD067959.D  
Acq: 28 Dec 2020 16:47

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion:168 Resp: 298264  
Ion Ratio Lower Upper  
168 100  
99 58.2 48.0 72.0

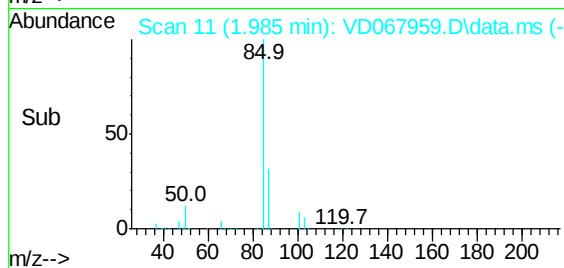
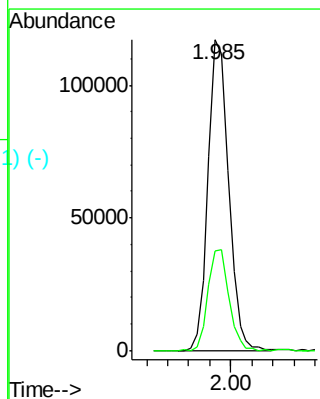
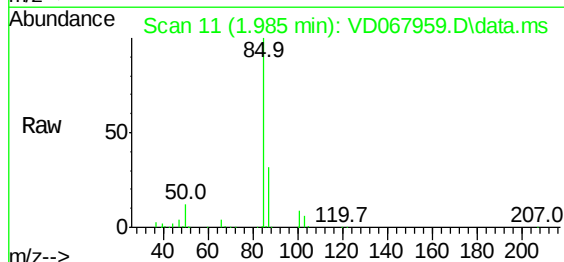
Manual Integrations  
APPROVED

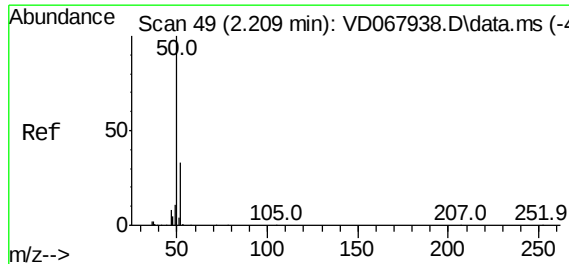
MMDadoda  
12/29/2020 11:32:54 AM



#2  
Dichlorodifluoromethane  
Concen: 52.20 ug/l  
RT: 1.985 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VD067959.D  
Acq: 28 Dec 2020 16:47

Tgt Ion: 85 Resp: 158582  
Ion Ratio Lower Upper  
85 100  
87 31.9 17.1 51.3





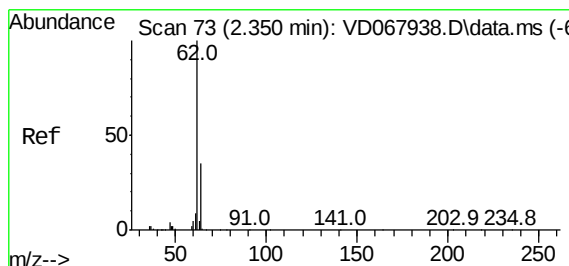
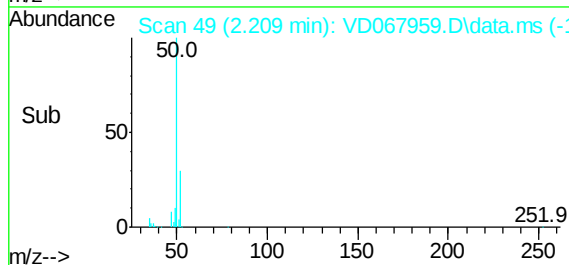
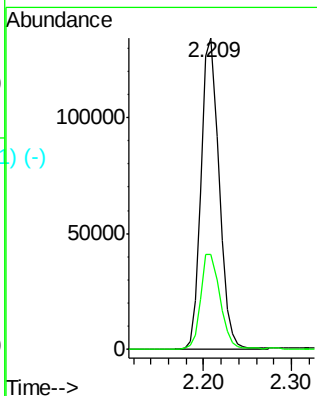
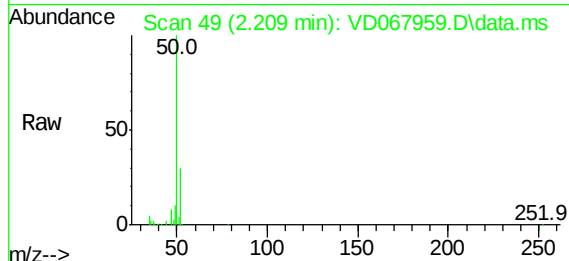
Chloromethane  
Concen: 44.21 ug/l  
RT: 2.209 min Scan# 49  
Delta R.T. 0.000 min  
Lab File: VD067959.D  
Acq: 28 Dec 2020 16:47

Tgt Ion: 50 Resp: 183618  
Ion Ratio Lower Upper  
50 100  
52 30.3 26.2 39.4

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

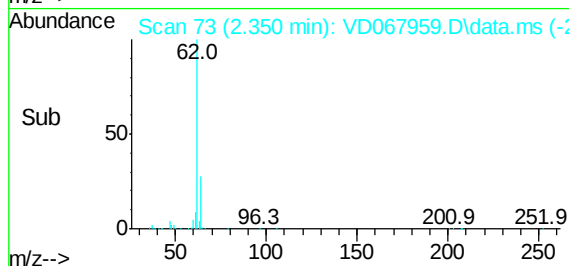
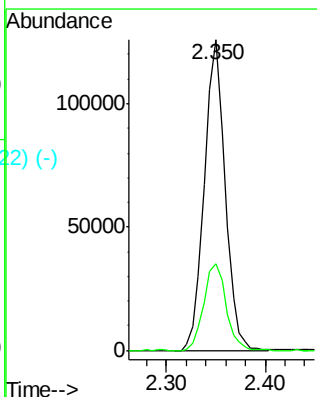
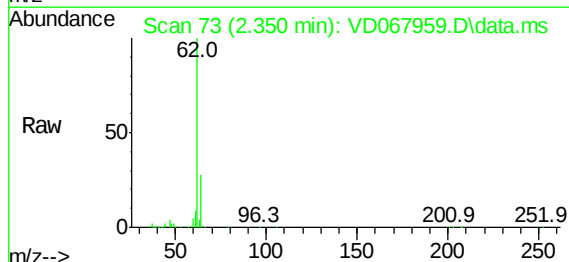
Manual Integrations  
APPROVED

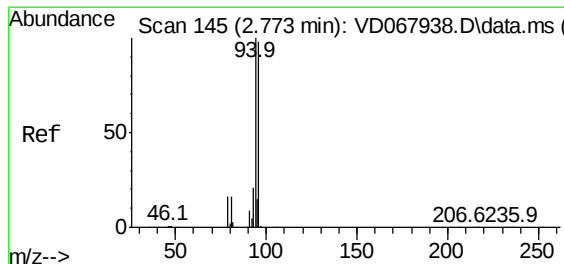
MMDadoda  
12/29/2020 11:32:54 AM



Vinyl Chloride  
Concen: 46.80 ug/l  
RT: 2.350 min Scan# 73  
Delta R.T. 0.000 min  
Lab File: VD067959.D  
Acq: 28 Dec 2020 16:47

Tgt Ion: 62 Resp: 181110  
Ion Ratio Lower Upper  
62 100  
64 28.1 28.1 42.1





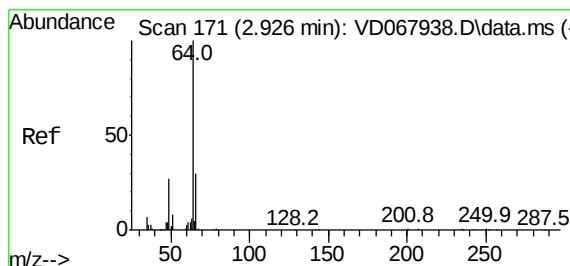
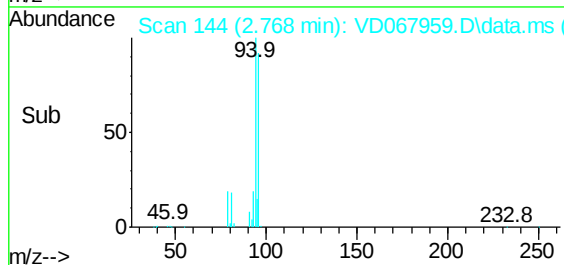
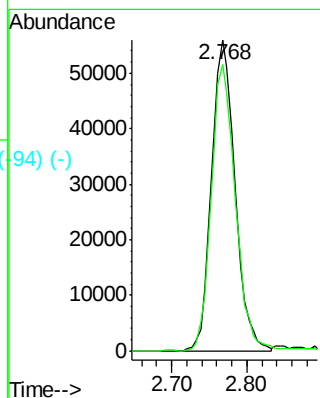
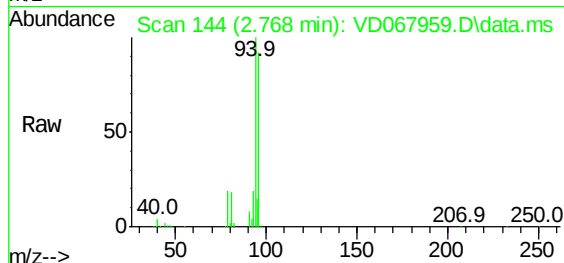
Bromomethane  
Concen: 49.27 ug/l  
RT: 2.768 min Scan# 144  
Delta R.T. -0.005 min  
Lab File: VD067959.D  
Acq: 28 Dec 2020 16:47

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 94 Resp: 120636  
Ion Ratio Lower Upper  
94 100  
96 92.2 78.0 117.0

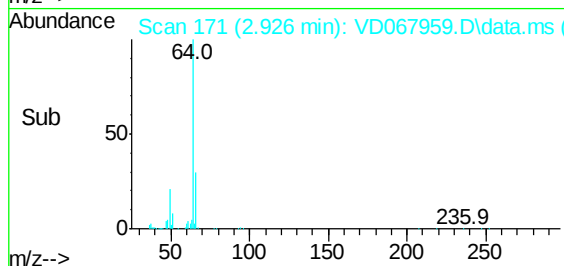
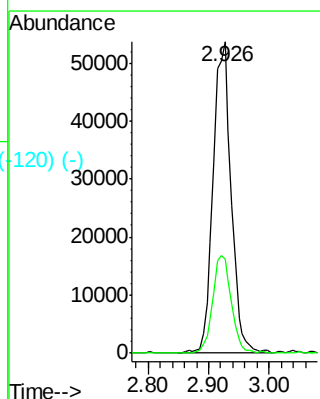
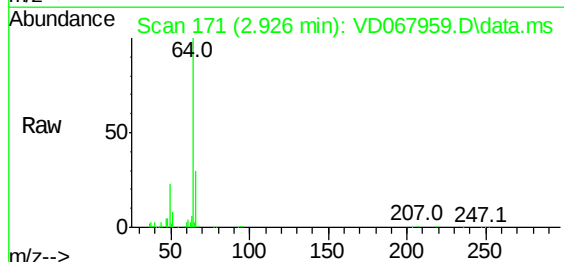
Manual Integrations  
APPROVED

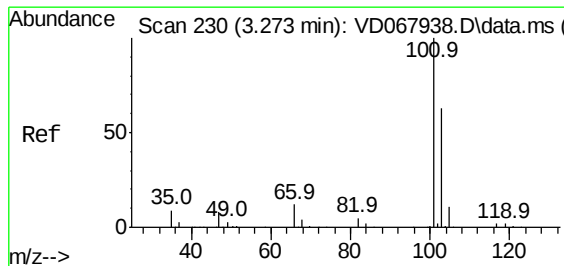
MMDadoda  
12/29/2020 11:32:54 AM



Chloroethane  
Concen: 46.44 ug/l  
RT: 2.926 min Scan# 171  
Delta R.T. 0.000 min  
Lab File: VD067959.D  
Acq: 28 Dec 2020 16:47

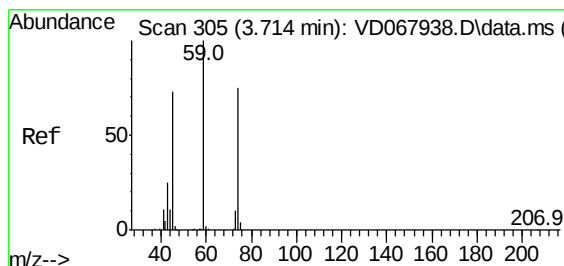
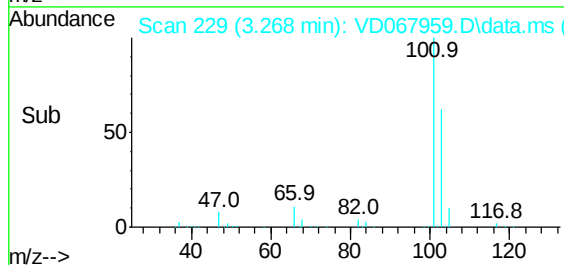
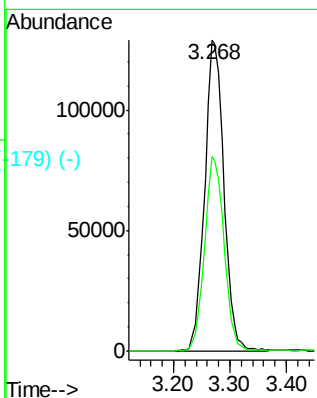
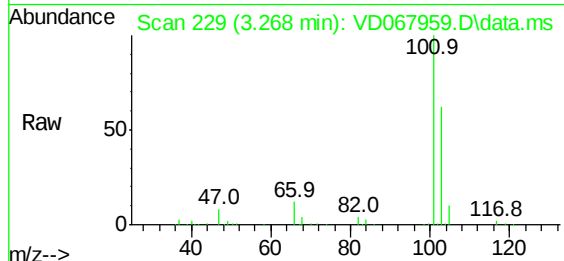
Tgt Ion: 64 Resp: 110471  
Ion Ratio Lower Upper  
64 100  
66 29.9 24.1 36.1





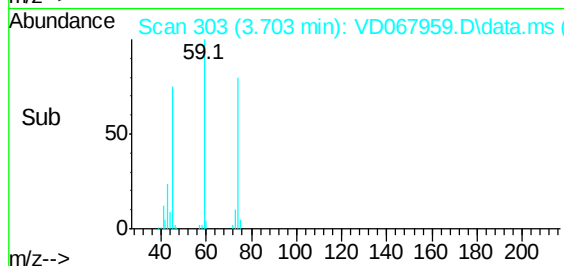
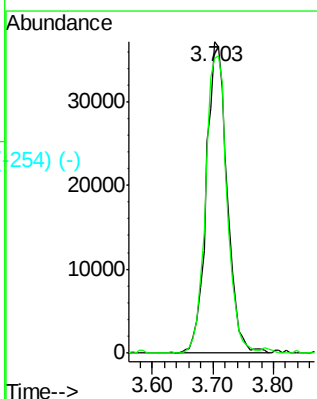
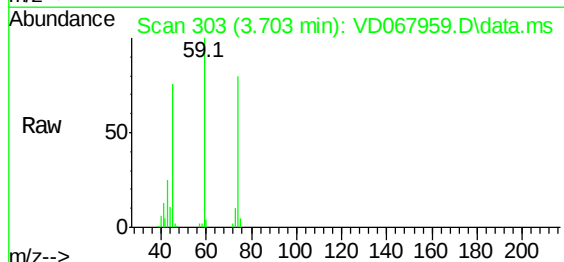
Trichlorofluoromethane  
 Concen: 53.24 ug/l  
 RT: 3.268 min Scan# 229  
 Delta R.T. -0.006 min  
 Lab File: VD067959.D  
 Acq: 28 Dec 2020 16:47

Tgt Ion: 101 Resp: 303642  
 Ion Ratio Lower Upper  
 101 100  
 103 62.3 50.4 75.6



Diethyl Ether  
 Concen: 53.60 ug/l  
 RT: 3.703 min Scan# 303  
 Delta R.T. -0.012 min  
 Lab File: VD067959.D  
 Acq: 28 Dec 2020 16:47

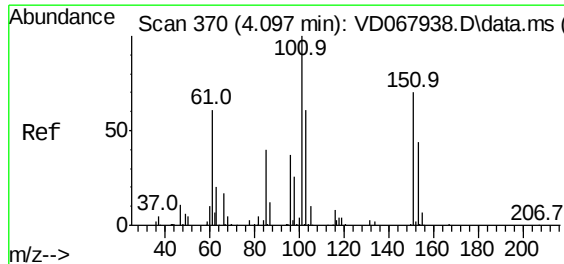
Tgt Ion: 74 Resp: 87650  
 Ion Ratio Lower Upper  
 74 100  
 45 99.2 51.8 155.5



Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

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1,1,2-Trichlorotrifluoroethane  
Concen: 50.88 ug/l  
RT: 4.091 min Scan# 369  
Delta R.T. -0.006 min  
Lab File: VD067959.D  
Acq: 28 Dec 2020 16:47

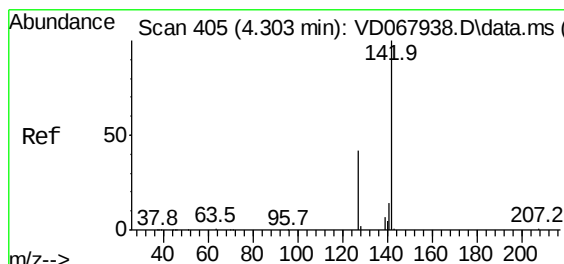
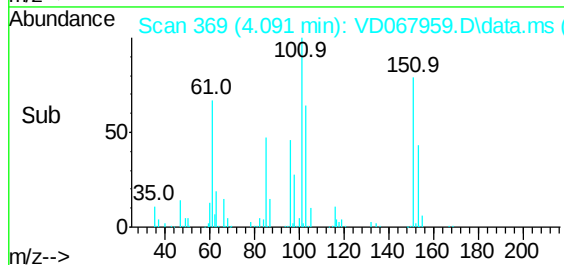
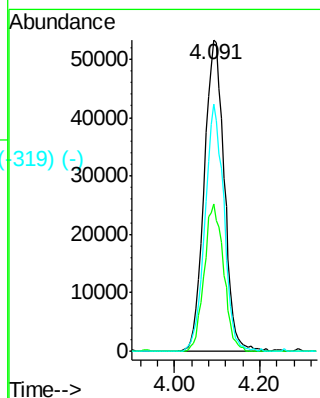
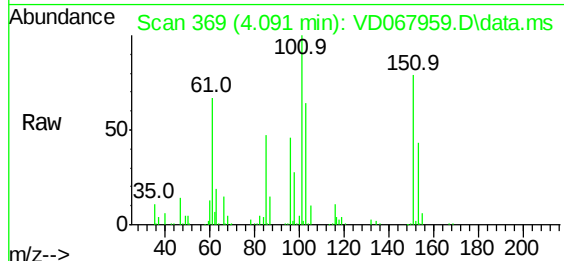
Tgt Ion:101 Resp: 172966

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 101 | 100   |       |       |
| 85  | 45.5  | 34.2  | 51.2  |
| 151 | 74.8  | 57.6  | 86.4  |

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
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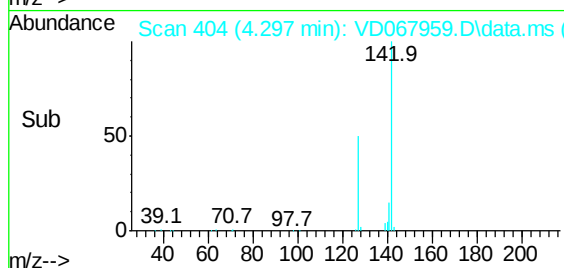
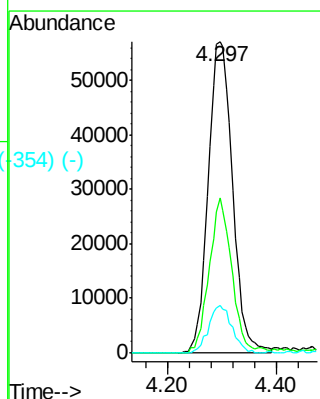
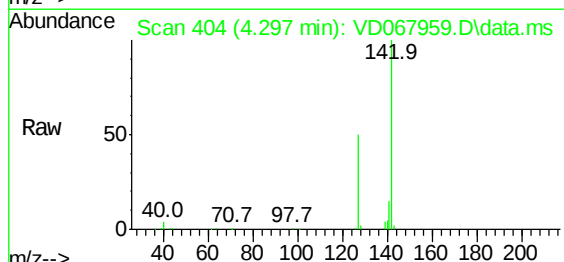
MMDadoda  
12/29/2020 11:32:54 AM

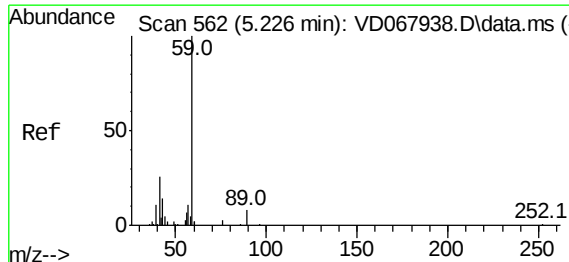


Methyl Iodide  
Concen: 50.72 ug/l  
RT: 4.297 min Scan# 404  
Delta R.T. -0.006 min  
Lab File: VD067959.D  
Acq: 28 Dec 2020 16:47

Tgt Ion:142 Resp: 176151

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 142 | 100   |       |       |
| 127 | 45.4  | 34.4  | 51.6  |
| 141 | 14.4  | 11.8  | 17.8  |





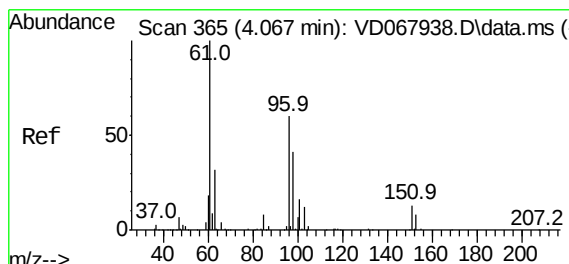
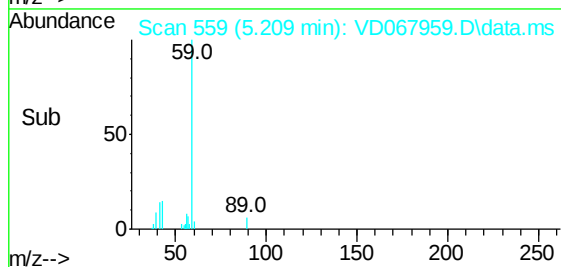
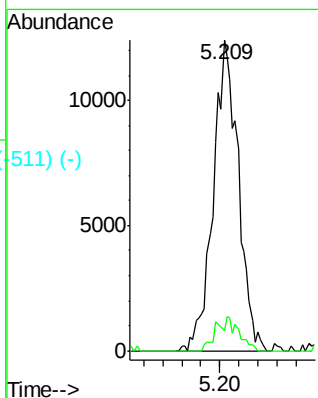
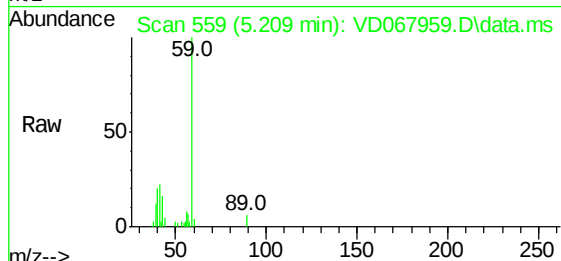
Tert butyl alcohol  
Concen: 237.27 ug/l  
RT: 5.209 min Scan# 559  
Delta R.T. -0.017 min  
Lab File: VD067959.D  
Acq: 28 Dec 2020 16:47

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 59 Resp: 44728  
Ion Ratio Lower Upper  
59 100  
57 5.8 7.4 11.2#

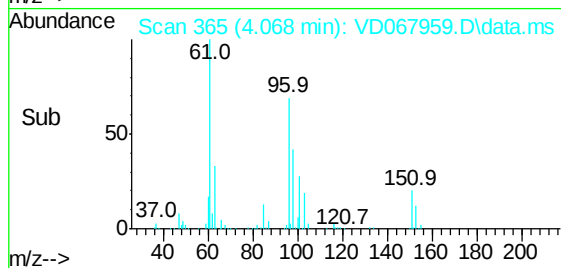
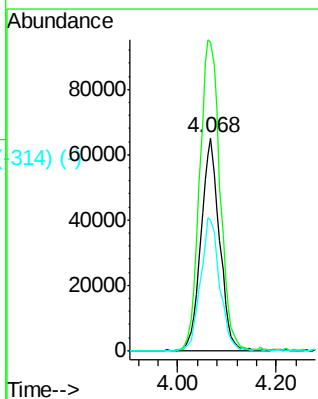
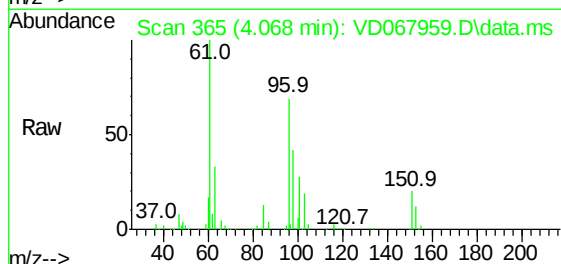
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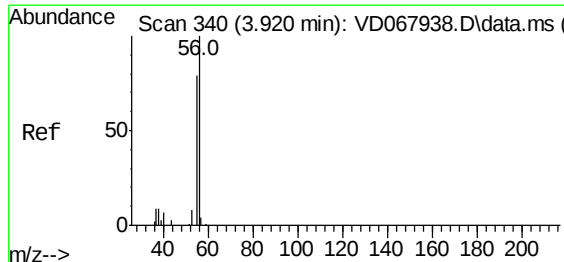
MMDadoda  
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1,1-Dichloroethene  
Concen: 51.42 ug/l  
RT: 4.068 min Scan# 365  
Delta R.T. 0.000 min  
Lab File: VD067959.D  
Acq: 28 Dec 2020 16:47

Tgt Ion: 96 Resp: 167683  
Ion Ratio Lower Upper  
96 100  
61 145.0 133.6 200.4  
98 61.5 54.8 82.2





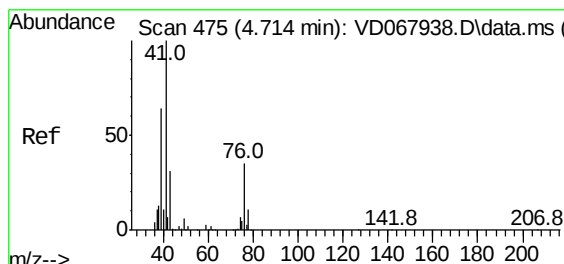
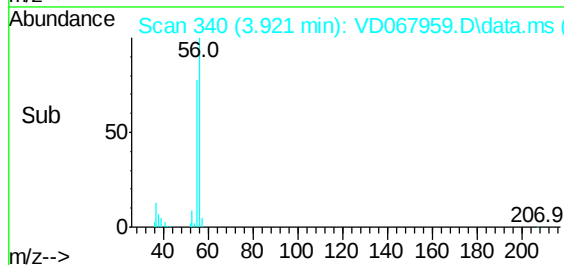
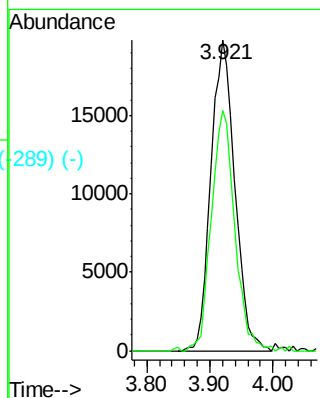
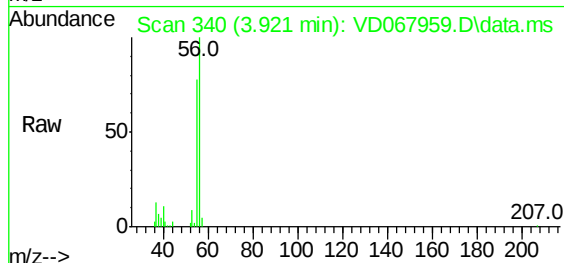
Acrolein  
Concen: 225.21 ug/l  
RT: 3.921 min Scan# 340  
Delta R.T. 0.000 min  
Lab File: VD067959.D  
Acq: 28 Dec 2020 16:47

Tgt Ion: 56 Resp: 51621  
Ion Ratio Lower Upper  
56 100  
55 75.6 58.5 87.7

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

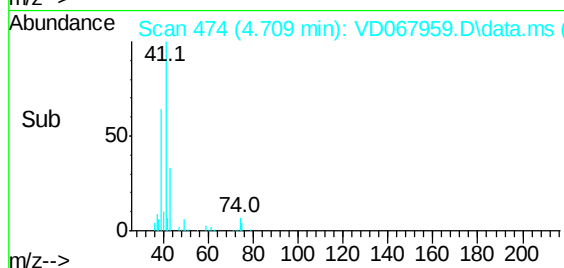
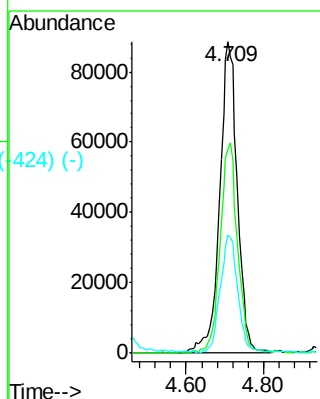
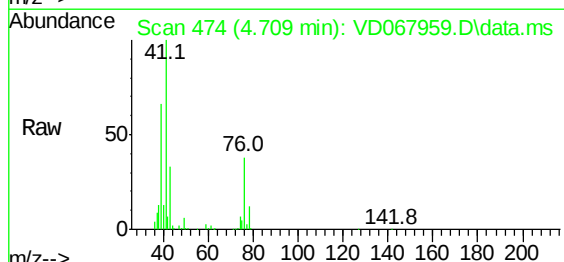
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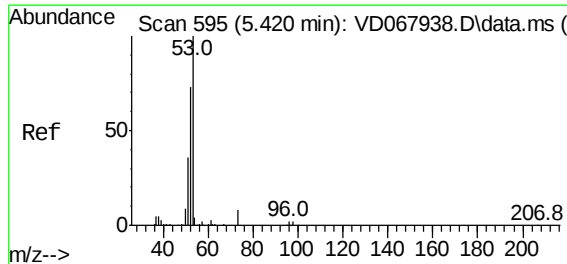
MMDadoda  
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Allyl chloride  
Concen: 48.51 ug/l  
RT: 4.709 min Scan# 474  
Delta R.T. -0.006 min  
Lab File: VD067959.D  
Acq: 28 Dec 2020 16:47

Tgt Ion: 41 Resp: 281297  
Ion Ratio Lower Upper  
41 100  
39 66.3 50.5 75.7  
76 37.5 27.0 40.4





Acrylonitrile  
Concen: 250.16 ug/l  
RT: 5.420 min Scan# 595  
Delta R.T. 0.000 min  
Lab File: VD067959.D  
Acq: 28 Dec 2020 16:47

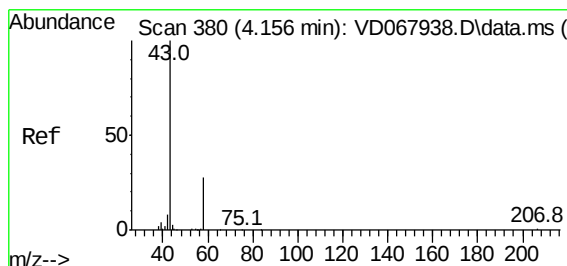
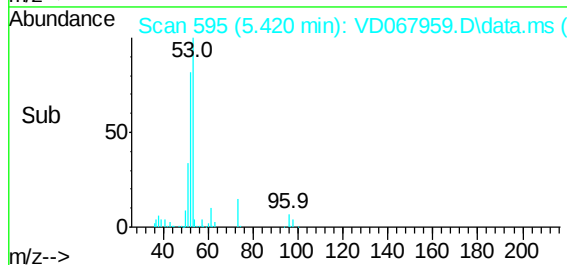
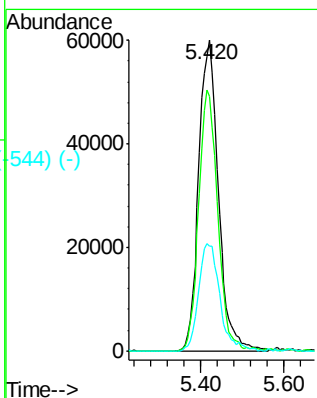
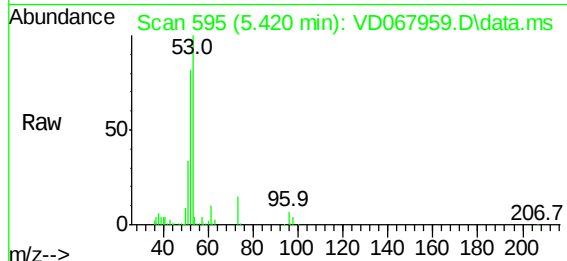
Tgt Ion: 53 Resp: 195848

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 53  | 100   |       |       |
| 52  | 81.0  | 65.3  | 97.9  |
| 51  | 37.1  | 29.4  | 44.2  |

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

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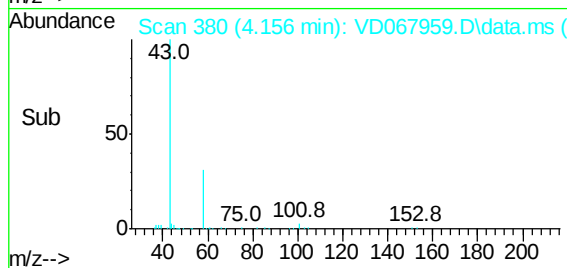
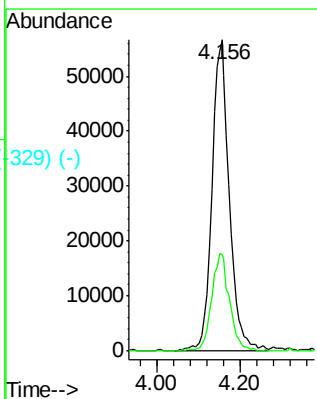
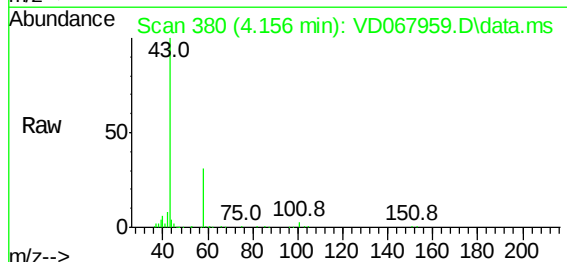
MMDadoda  
12/29/2020 11:32:54 AM

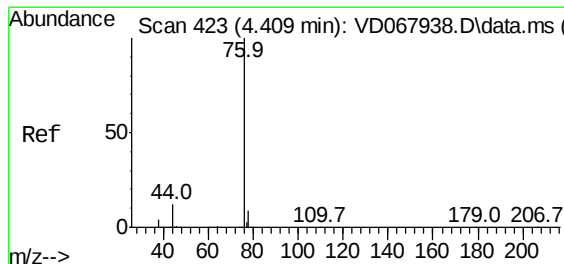


Acetone  
Concen: 266.94 ug/l  
RT: 4.156 min Scan# 380  
Delta R.T. 0.000 min  
Lab File: VD067959.D  
Acq: 28 Dec 2020 16:47

Tgt Ion: 43 Resp: 164151

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 30.7  | 22.3  | 33.5  |





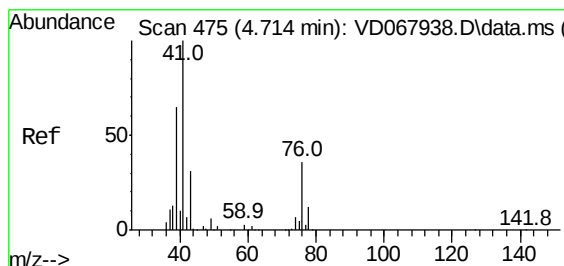
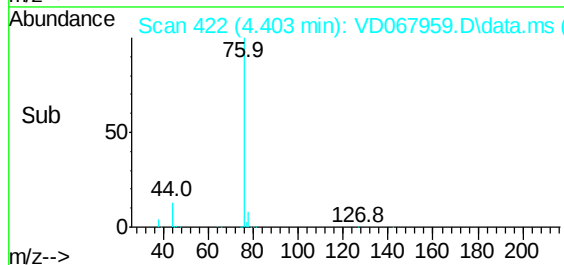
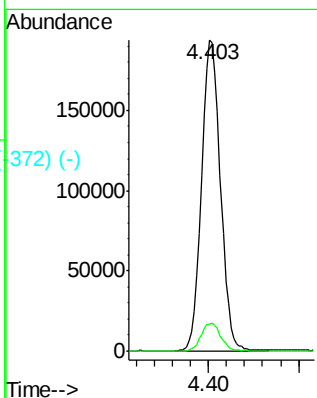
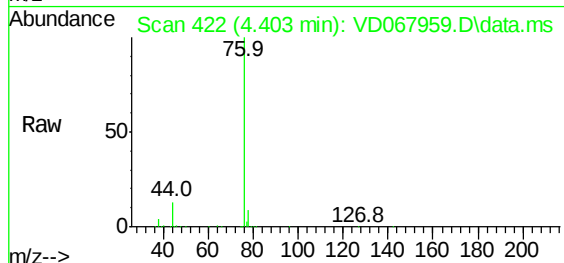
Carbon Disulfide  
Concen: 49.86 ug/l  
RT: 4.403 min Scan# 422  
Delta R.T. -0.006 min  
Lab File: VD067959.D  
Acq: 28 Dec 2020 16:47

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 76 Resp: 566554  
Ion Ratio Lower Upper  
76 100  
78 8.6 7.1 10.7

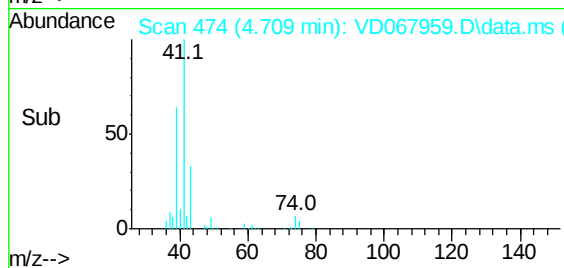
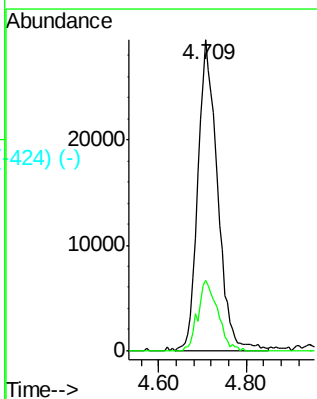
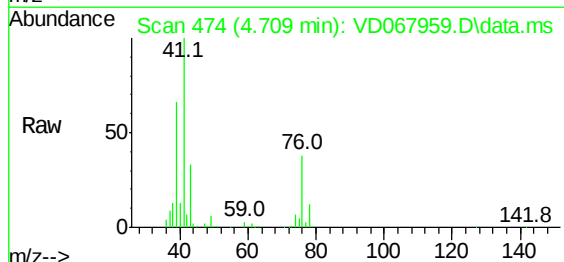
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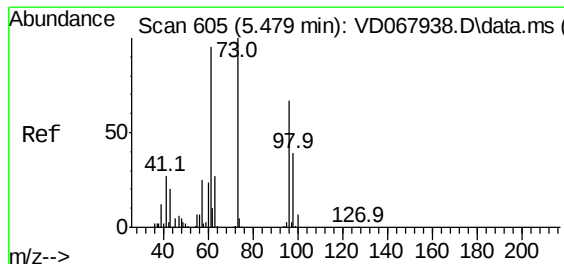
MMDadoda  
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Methyl Acetate  
Concen: 48.81 ug/l  
RT: 4.709 min Scan# 474  
Delta R.T. -0.006 min  
Lab File: VD067959.D  
Acq: 28 Dec 2020 16:47

Tgt Ion: 43 Resp: 88705  
Ion Ratio Lower Upper  
43 100  
74 22.6 18.2 27.2





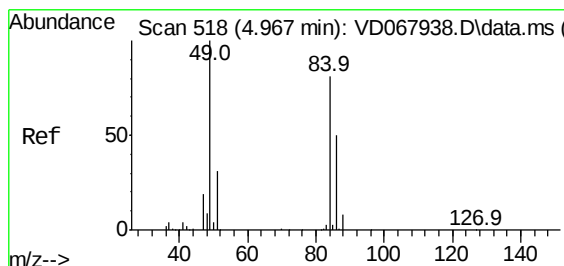
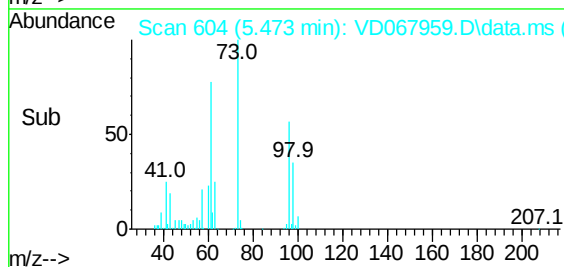
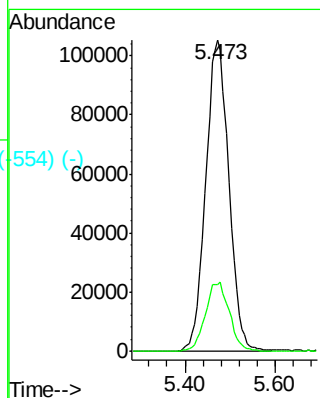
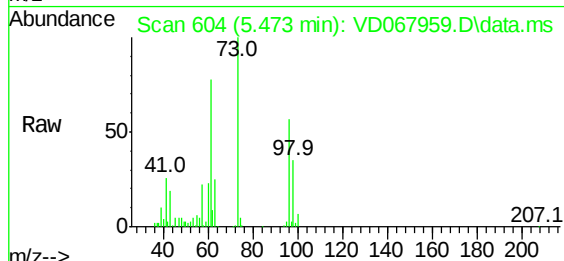
Methyl tert-butyl Ether  
Concen: 54.77 ug/l  
RT: 5.473 min Scan# 604  
Delta R.T. -0.006 min  
Lab File: VD067959.D  
Acq: 28 Dec 2020 16:47

Tgt Ion: 73 Resp: 371388  
Ion Ratio Lower Upper  
73 100  
57 21.5 19.8 29.6

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

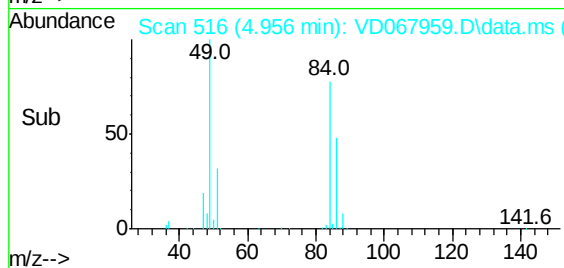
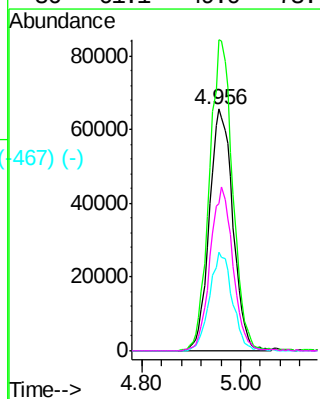
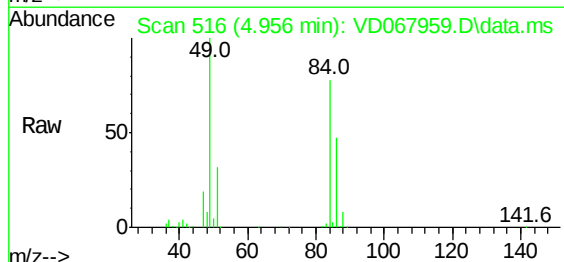
Manual Integrations  
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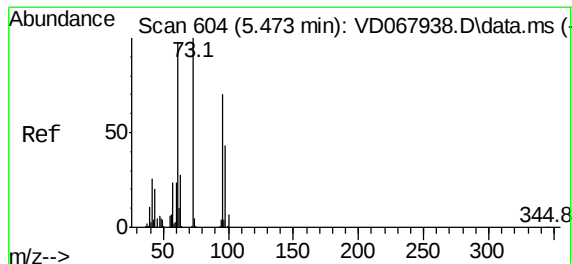
MMDadoda  
12/29/2020 11:32:54 AM



Methylene Chloride  
Concen: 54.88 ug/l  
RT: 4.956 min Scan# 516  
Delta R.T. -0.011 min  
Lab File: VD067959.D  
Acq: 28 Dec 2020 16:47

Tgt Ion: 84 Resp: 215391  
Ion Ratio Lower Upper  
84 100  
49 128.9 98.3 147.5  
51 40.8 30.3 45.5  
86 61.1 49.0 73.4





trans-1,2-Dichloroethene  
Concen: 50.66 ug/l  
RT: 5.468 min Scan# 603  
Delta R.T. -0.006 min  
Lab File: VD067959.D  
Acq: 28 Dec 2020 16:47

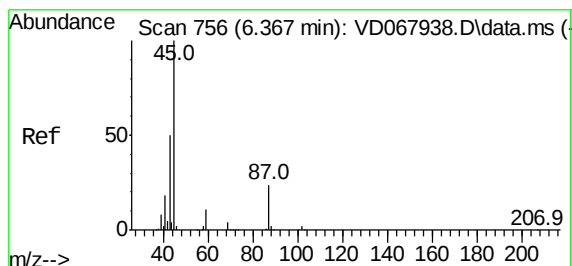
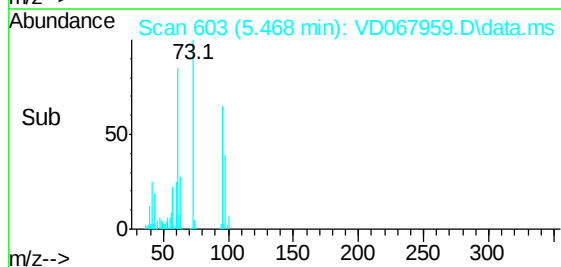
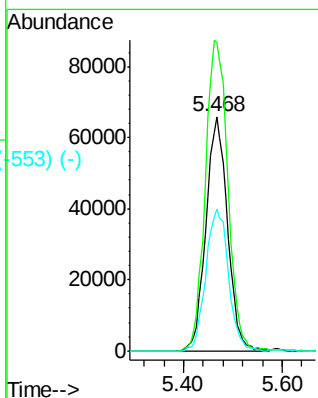
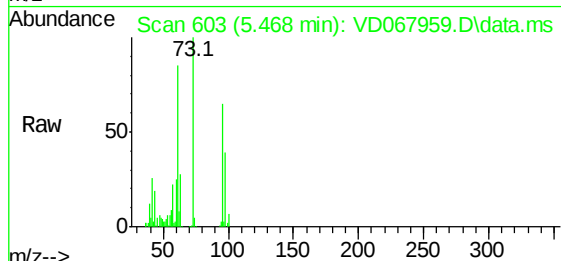
Tgt Ion: 96 Resp: 197409

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 131.7 | 109.9 | 164.9 |
| 98  | 60.4  | 49.0  | 73.4  |

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

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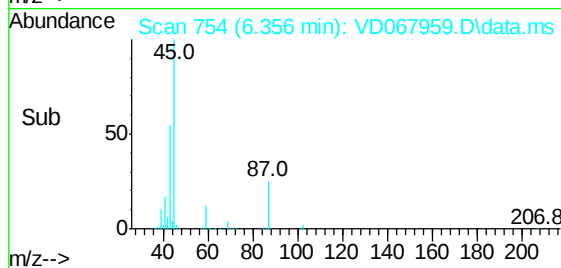
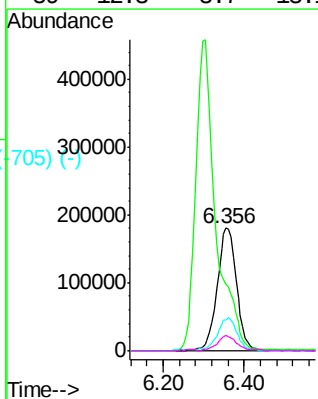
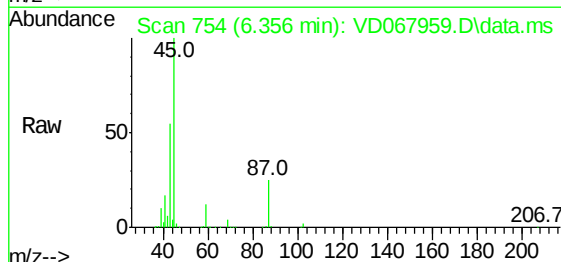
MMDadoda  
12/29/2020 11:32:54 AM

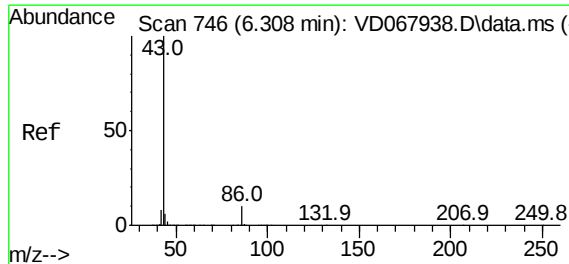


Diisopropyl ether  
Concen: 50.83 ug/l  
RT: 6.356 min Scan# 754  
Delta R.T. -0.012 min  
Lab File: VD067959.D  
Acq: 28 Dec 2020 16:47

Tgt Ion: 45 Resp: 593638

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 45  | 100   |       |       |
| 43  | 54.3  | 40.2  | 60.4  |
| 87  | 24.9  | 19.2  | 28.8  |
| 59  | 12.3  | 8.7   | 13.1  |



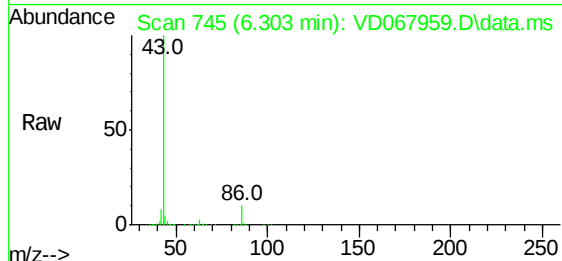


Vinyl Acetate  
Concen: 265.10 ug/l  
RT: 6.303 min Scan# 745  
Delta R.T. -0.006 min  
Lab File: VD067959.D  
Acq: 28 Dec 2020 16:47

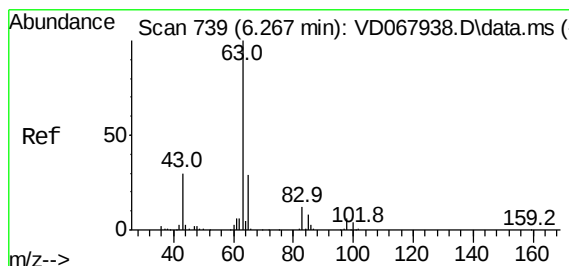
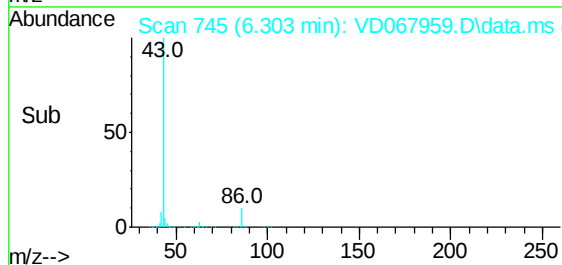
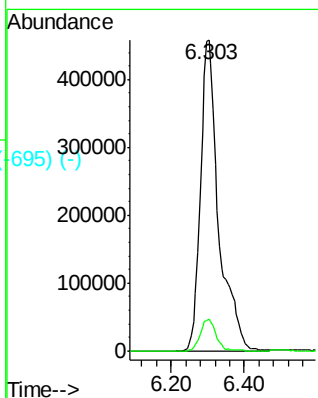
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

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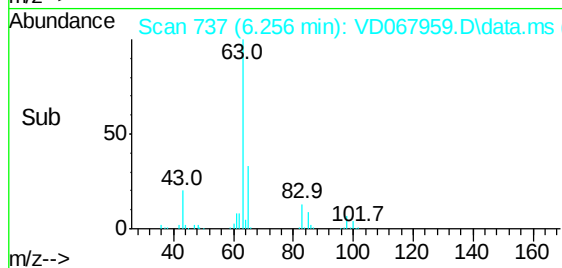
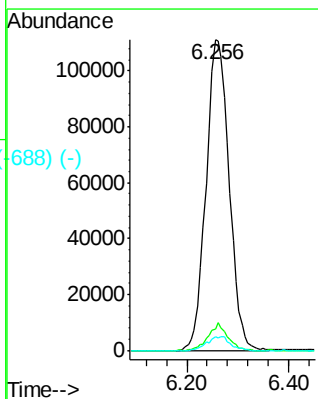
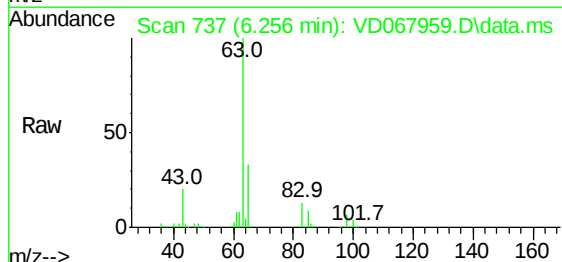


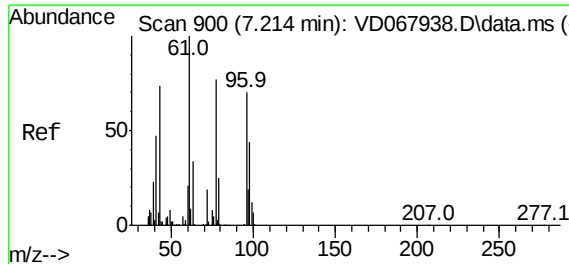
Tgt Ion: 43 Resp: 1573645  
Ion Ratio Lower Upper  
43 100  
86 10.0 7.9 11.9



1,1-Dichloroethane  
Concen: 49.57 ug/l  
RT: 6.256 min Scan# 737  
Delta R.T. -0.012 min  
Lab File: VD067959.D  
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Tgt Ion: 63 Resp: 350405  
Ion Ratio Lower Upper  
63 100  
98 6.7 2.9 8.6  
100 4.3 1.9 5.7





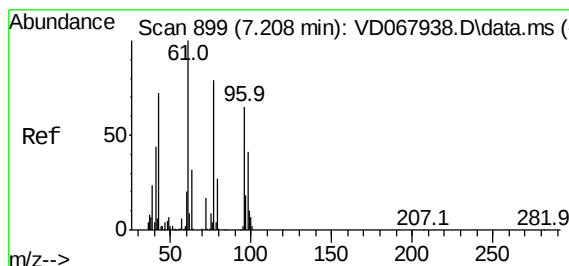
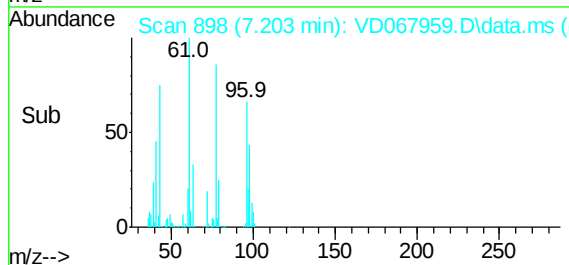
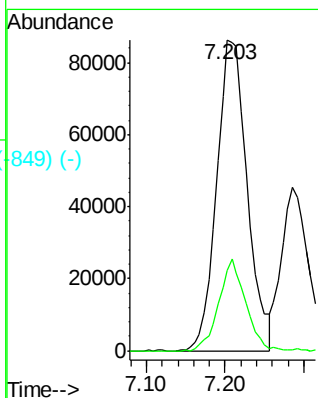
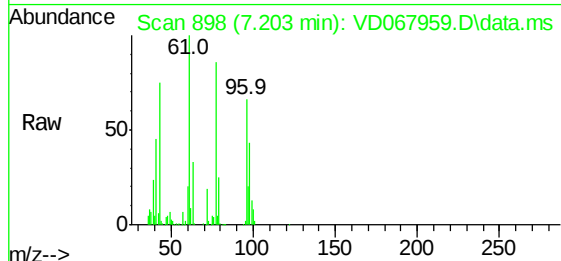
2-Butanone  
Concen: 256.27 ug/l  
RT: 7.203 min Scan# 898  
Delta R.T. -0.012 min  
Lab File: VD067959.D  
Acq: 28 Dec 2020 16:47

Tgt Ion: 43 Resp: 232404  
Ion Ratio Lower Upper  
43 100  
72 25.8 20.8 31.2

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

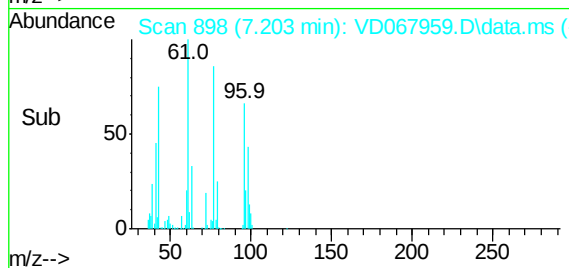
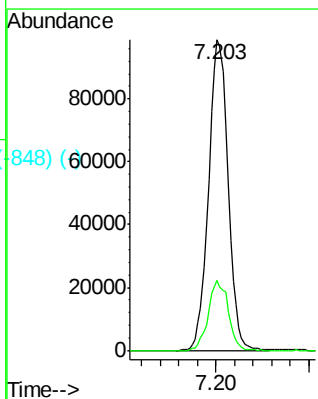
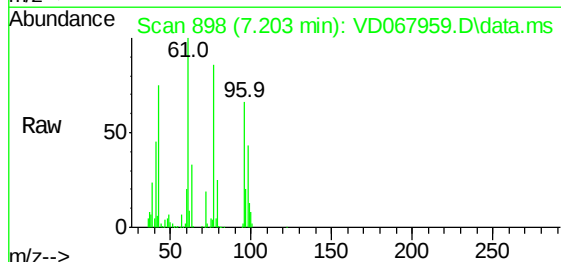
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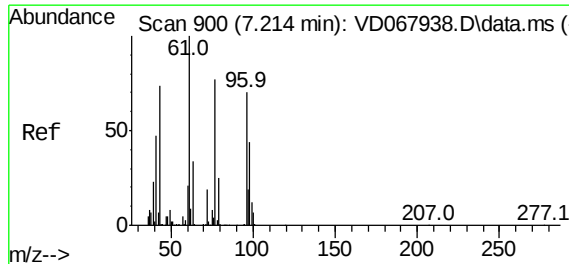
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2,2-Dichloropropane  
Concen: 51.51 ug/l  
RT: 7.203 min Scan# 898  
Delta R.T. -0.006 min  
Lab File: VD067959.D  
Acq: 28 Dec 2020 16:47

Tgt Ion: 77 Resp: 286902  
Ion Ratio Lower Upper  
77 100  
97 23.2 11.4 34.2





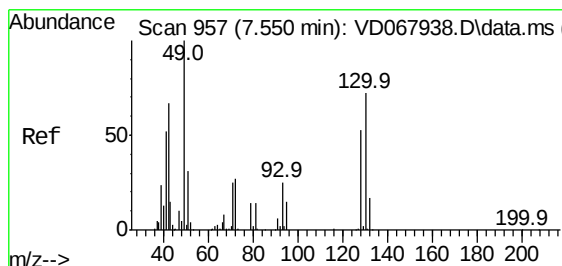
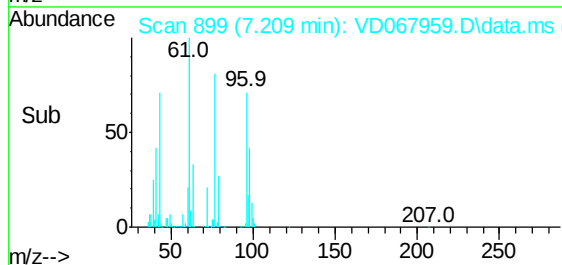
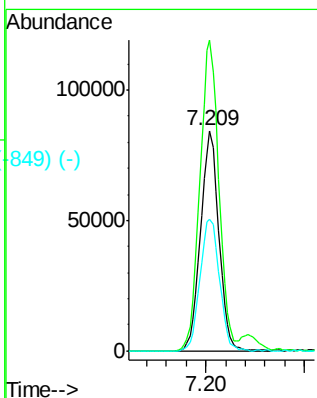
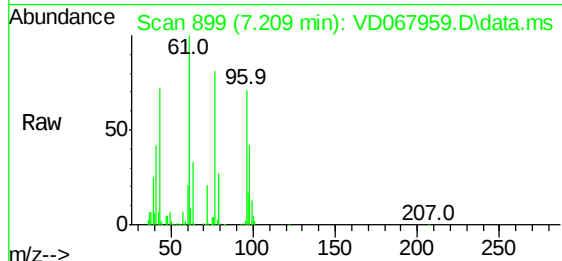
cis-1,2-Dichloroethene  
Concen: 51.87 ug/l  
RT: 7.209 min Scan# 899  
Delta R.T. -0.006 min  
Lab File: VD067959.D  
Acq: 28 Dec 2020 16:47

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 96    | Resp: | 215974 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 146.4 | 0.0   | 295.4  |
| 98       | 63.7  | 0.0   | 130.4  |

Instrument :  
MSVOA\_D  
ClientSampleId :  
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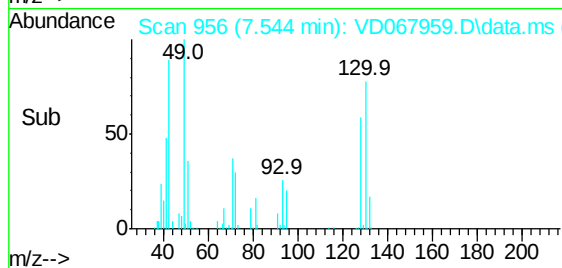
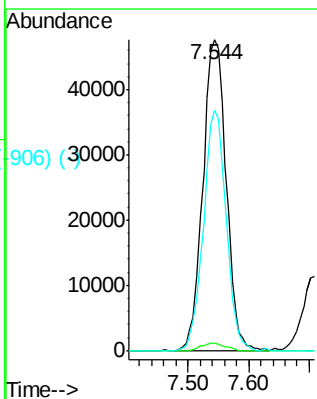
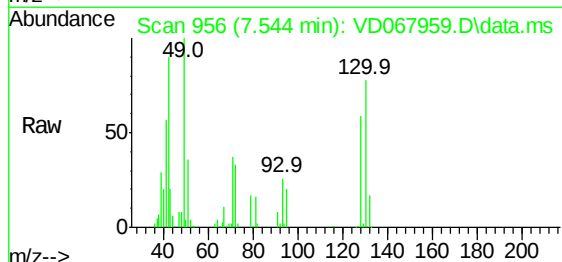
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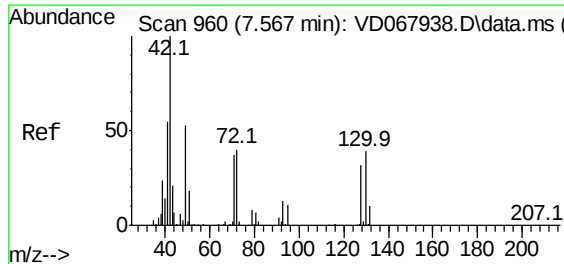
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Bromochloromethane  
Concen: 47.47 ug/l  
RT: 7.544 min Scan# 956  
Delta R.T. -0.006 min  
Lab File: VD067959.D  
Acq: 28 Dec 2020 16:47

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 49    | Resp: | 126516 |
| Ion      | Ratio | Lower | Upper  |
| 49       | 100   |       |        |
| 129      | 2.3   | 0.0   | 4.4    |
| 130      | 75.2  | 54.8  | 82.2   |





Tetrahydrofuran  
Concen: 255.24 ug/l  
RT: 7.556 min Scan# 958  
Delta R.T. -0.012 min  
Lab File: VD067959.D  
Acq: 28 Dec 2020 16:47

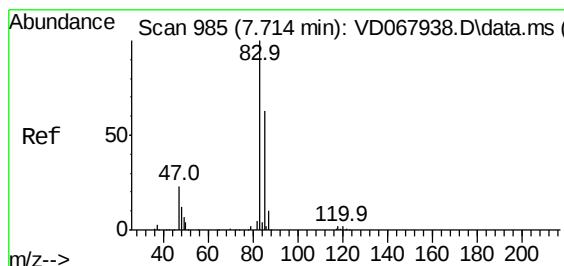
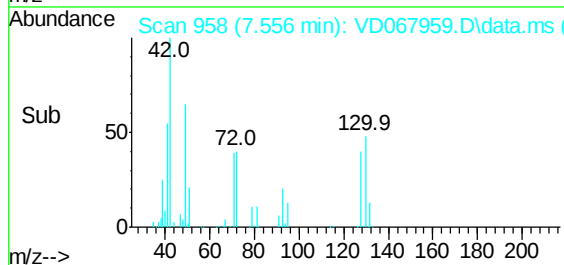
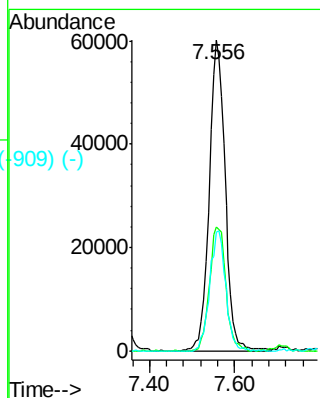
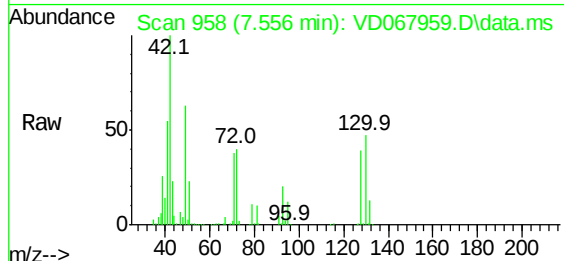
Tgt Ion: 42 Resp: 156575

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 42  | 100   |       |       |
| 72  | 41.1  | 32.9  | 49.3  |
| 71  | 38.9  | 29.9  | 44.9  |

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

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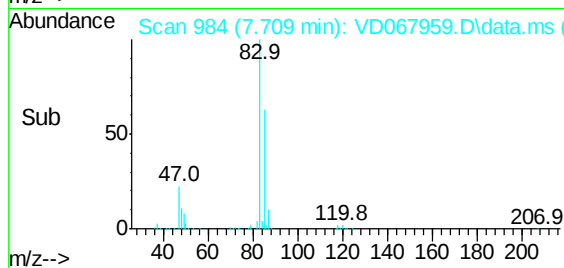
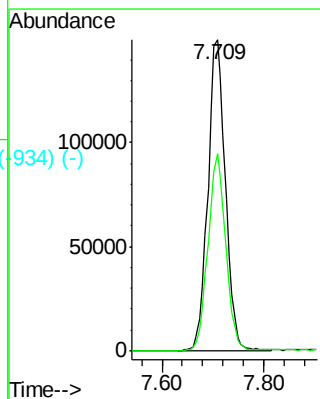
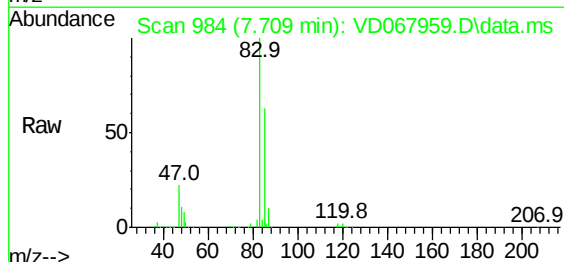
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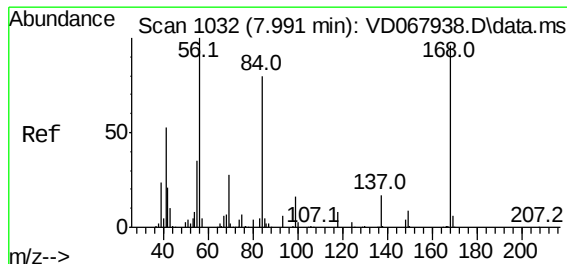


Chloroform  
Concen: 51.66 ug/l  
RT: 7.709 min Scan# 984  
Delta R.T. -0.006 min  
Lab File: VD067959.D  
Acq: 28 Dec 2020 16:47

Tgt Ion: 83 Resp: 357752

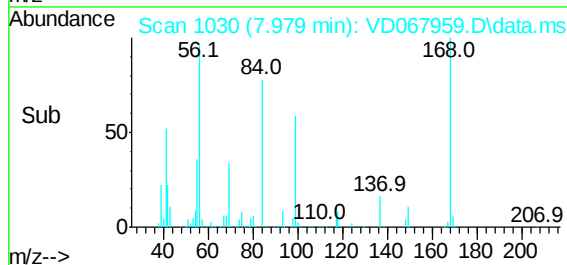
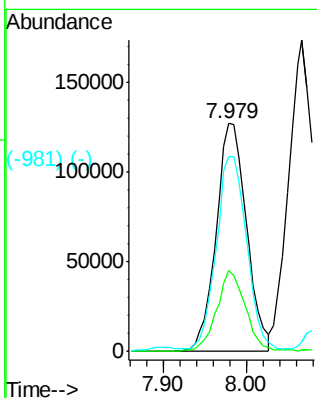
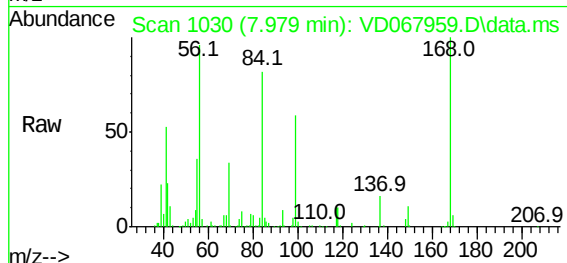
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 85  | 63.2  | 50.5  | 75.7  |





(-810) (-)  
Cyclohexane  
Concen: 48.63 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.012 min  
Lab File: VD067959.D  
Acq: 28 Dec 2020 16:47

Tgt Ion: 56 Resp: 320157  
Ion Ratio Lower Upper  
56 100  
69 35.2 22.7 34.1#  
84 84.5 64.2 96.4

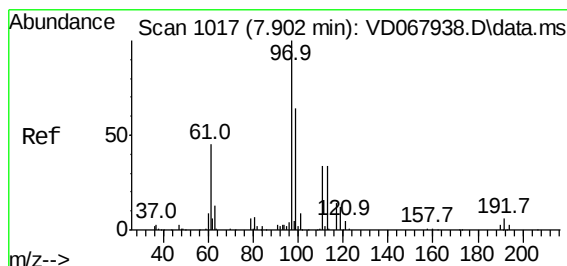


(-981) (-)

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

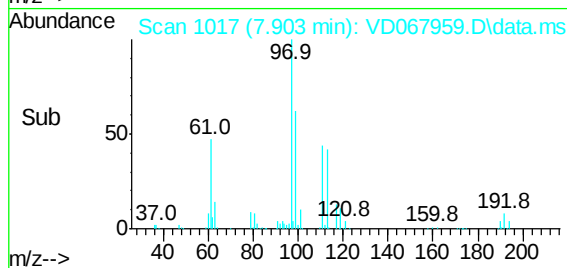
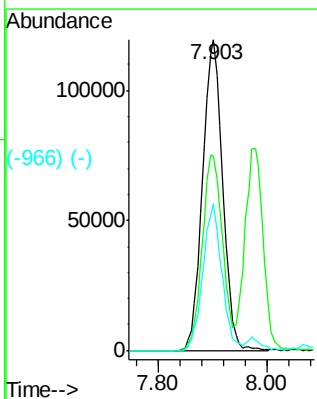
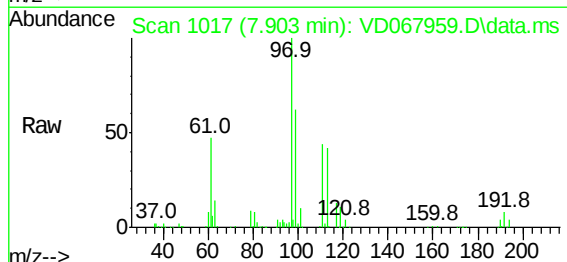
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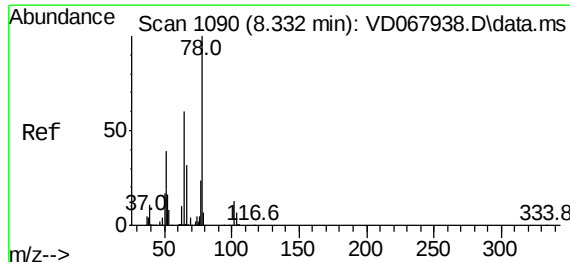


(-806) (-)  
1,1,1-Trichloroethane  
Concen: 51.57 ug/l  
RT: 7.903 min Scan# 1017  
Delta R.T. 0.000 min  
Lab File: VD067959.D  
Acq: 28 Dec 2020 16:47

Tgt Ion: 97 Resp: 305891  
Ion Ratio Lower Upper  
97 100  
99 63.1 51.0 76.6  
61 44.5 35.8 53.8



(-966) (-)

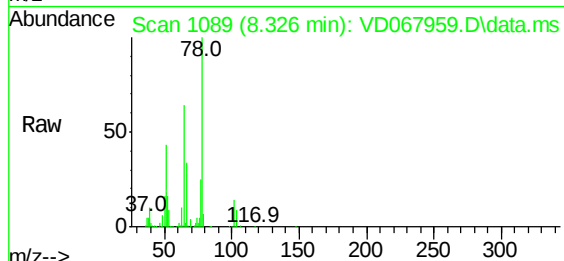


(-1080) (-)  
 1,2-Dichloroethane-d4  
 Concen: 47.41 ug/l  
 RT: 8.326 min Scan# 1089  
 Delta R.T. -0.006 min  
 Lab File: VD067959.D  
 Acq: 28 Dec 2020 16:47

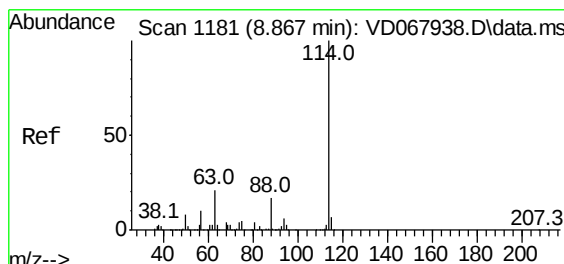
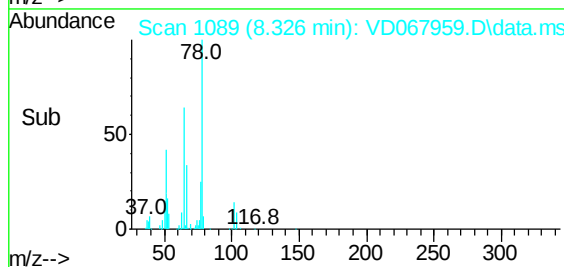
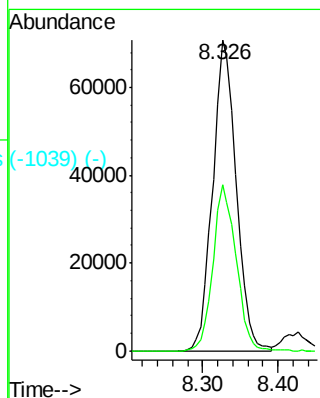
Instrument :  
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 ClientSampleId :  
 VSTDCCC050EC

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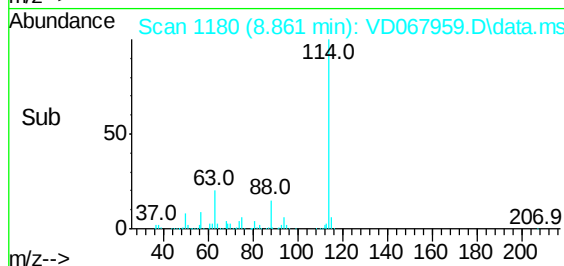
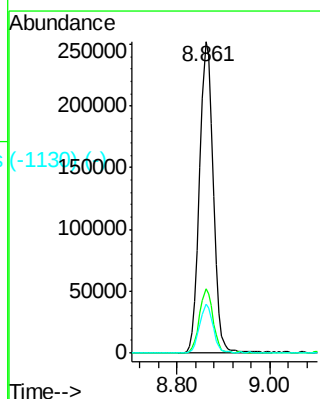
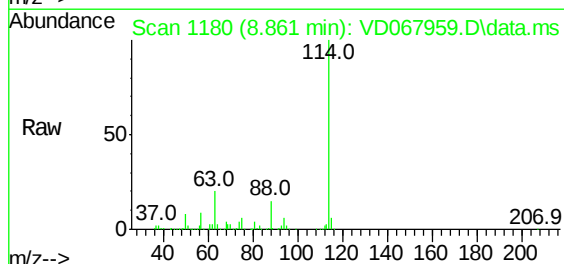


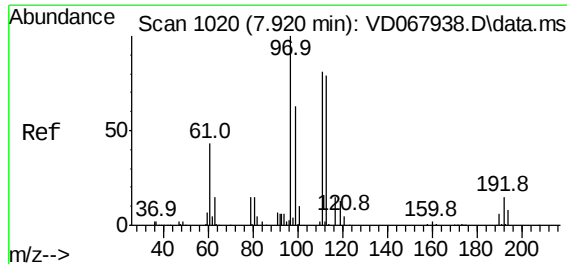
Tgt Ion: 65 Resp: 152711  
 Ion Ratio Lower Upper  
 65 100  
 67 52.2 0.0 110.0



(-1171) (-)  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.861 min Scan# 1180  
 Delta R.T. -0.006 min  
 Lab File: VD067959.D  
 Acq: 28 Dec 2020 16:47

Tgt Ion: 114 Resp: 510095  
 Ion Ratio Lower Upper  
 114 100  
 63 20.3 0.0 41.4  
 88 15.4 0.0 33.2



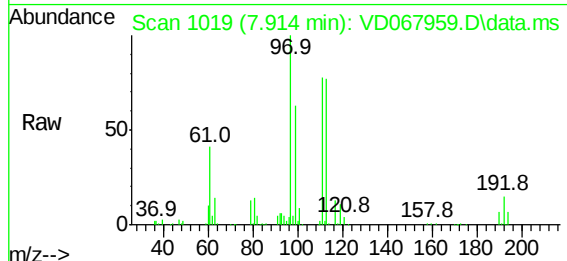


(-969) (-)  
 Dibromofluoromethane  
 Concen: 49.28 ug/l  
 RT: 7.914 min Scan# 1019  
 Delta R.T. -0.006 min  
 Lab File: VD067959.D  
 Acq: 28 Dec 2020 16:47

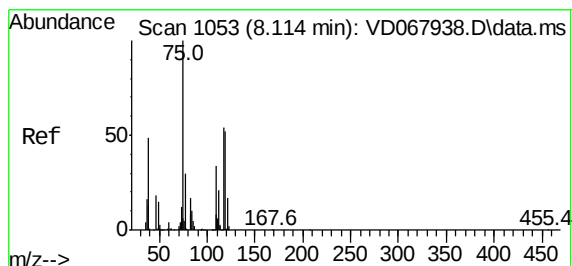
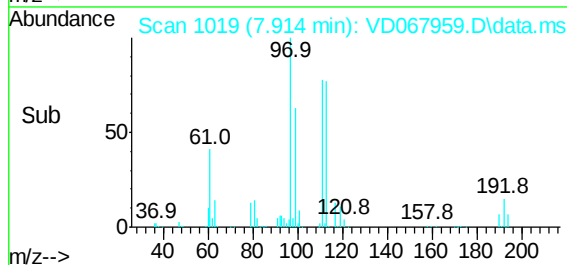
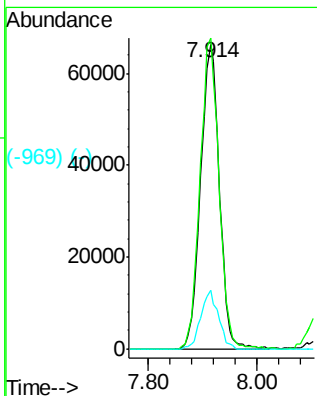
Instrument :  
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 ClientSampleId :  
 VSTDCCC050EC

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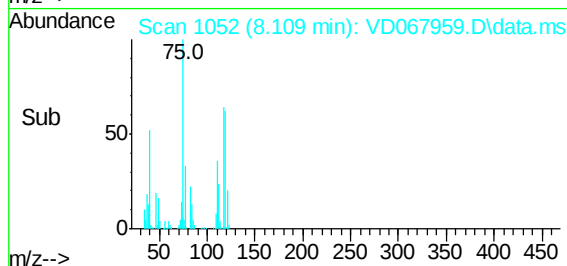
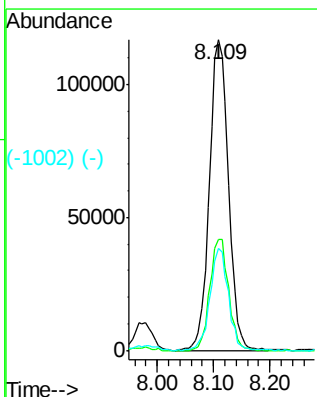
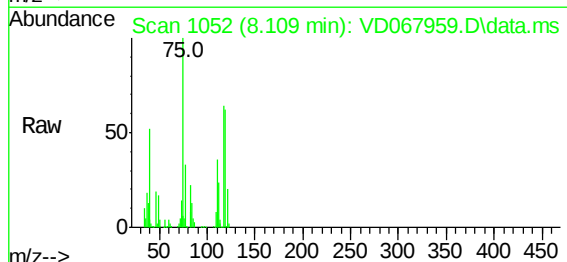


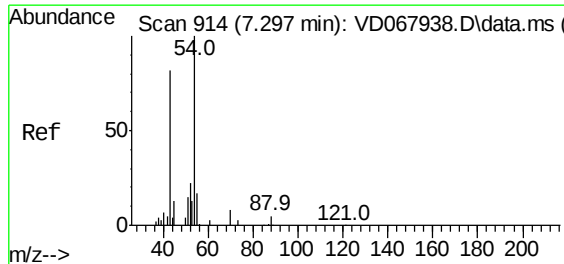
Tgt Ion:113 Resp: 158389  
 Ion Ratio Lower Upper  
 113 100  
 111 103.0 79.3 118.9  
 192 18.0 14.5 21.7



(-1002) (-)  
 1,1-Dichloropropene  
 Concen: 50.61 ug/l  
 RT: 8.109 min Scan# 1052  
 Delta R.T. -0.006 min  
 Lab File: VD067959.D  
 Acq: 28 Dec 2020 16:47

Tgt Ion: 75 Resp: 274368  
 Ion Ratio Lower Upper  
 75 100  
 110 35.2 17.0 51.0  
 77 31.9 24.6 37.0





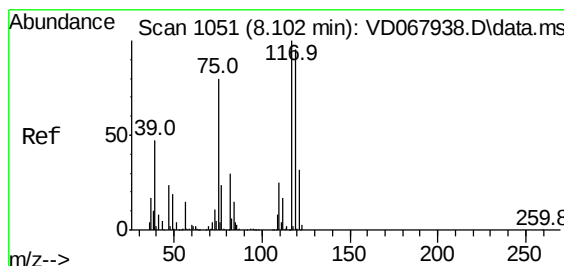
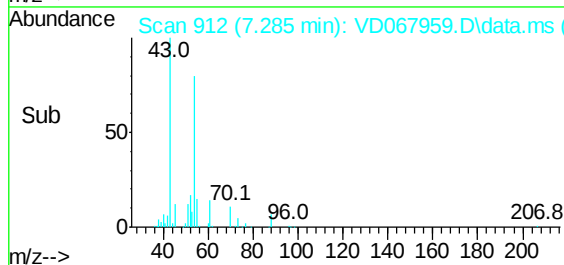
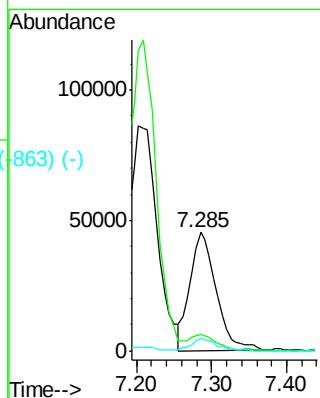
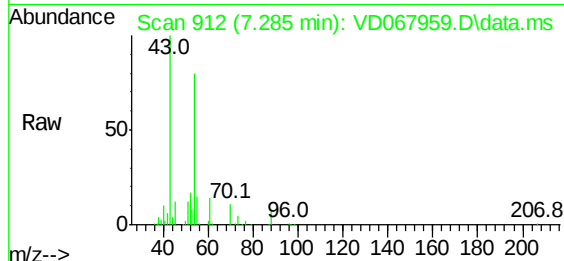
Ethyl Acetate  
Concen: 50.48 ug/l  
RT: 7.285 min Scan# 912  
Delta R.T. -0.012 min  
Lab File: VD067959.D  
Acq: 28 Dec 2020 16:47

Tgt Ion: 43 Resp: 110737  
Ion Ratio Lower Upper  
43 100  
61 12.5 10.2 15.4  
70 10.1 8.3 12.5

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

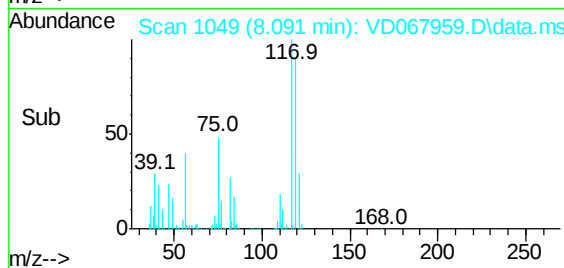
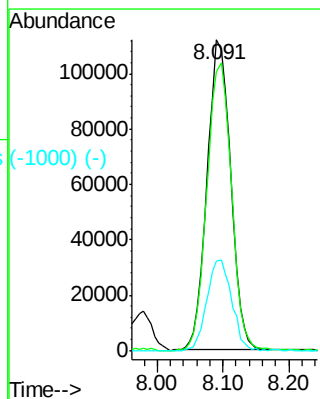
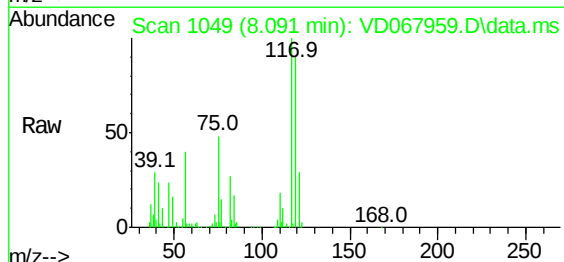
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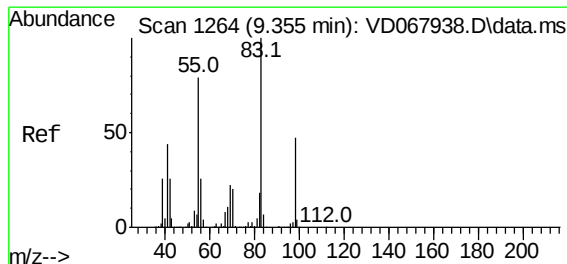
MMDadoda  
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Carbon Tetrachloride  
Concen: 52.12 ug/l  
RT: 8.091 min Scan# 1049  
Delta R.T. -0.012 min  
Lab File: VD067959.D  
Acq: 28 Dec 2020 16:47

Tgt Ion: 117 Resp: 269924  
Ion Ratio Lower Upper  
117 100  
119 89.8 76.2 114.4  
121 28.7 25.9 38.9



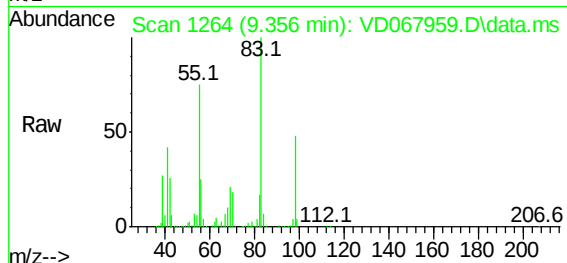


(-1295) (-)  
Methylcyclohexane  
Concen: 52.75 ug/l  
RT: 9.356 min Scan# 1264  
Delta R.T. 0.000 min  
Lab File: VD067959.D  
Acq: 28 Dec 2020 16:47

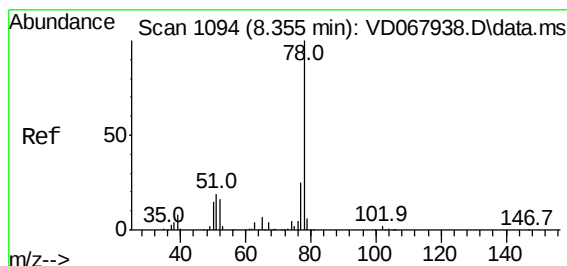
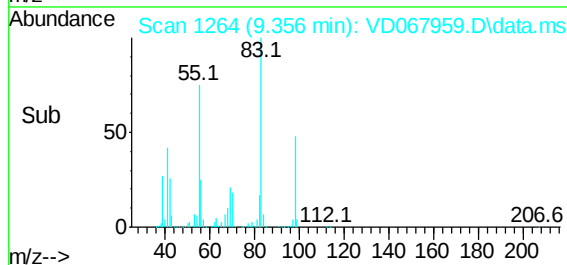
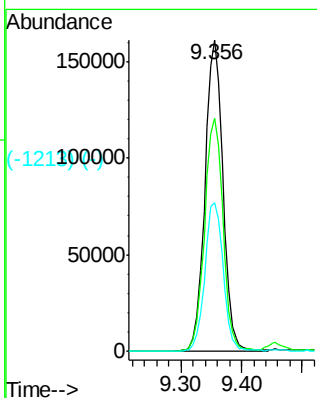
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

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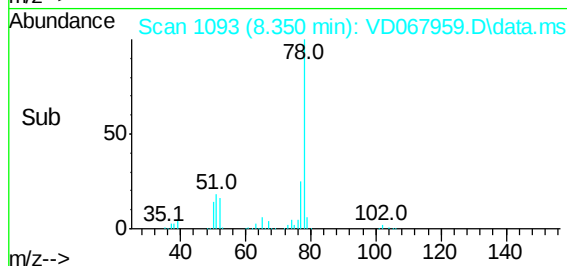
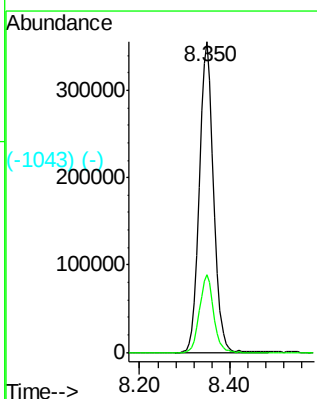
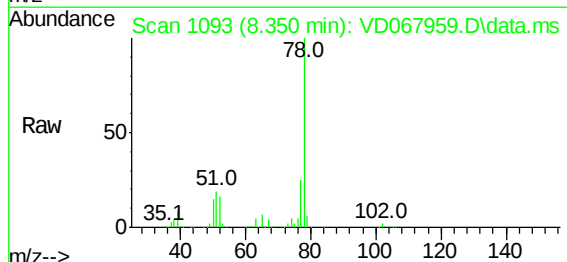


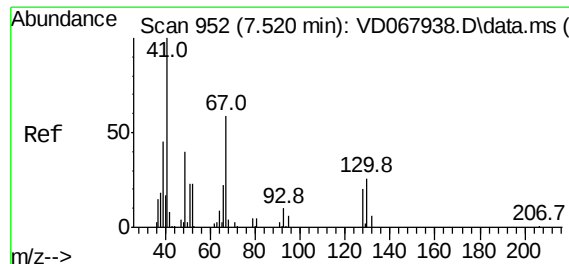
Tgt Ion: 83 Resp: 327891  
Ion Ratio Lower Upper  
83 100  
55 75.1 63.5 95.3  
98 47.8 37.3 55.9



(-1402) (-)  
Benzene  
Concen: 50.39 ug/l  
RT: 8.350 min Scan# 1093  
Delta R.T. -0.006 min  
Lab File: VD067959.D  
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Tgt Ion: 78 Resp: 792486  
Ion Ratio Lower Upper  
78 100  
77 25.0 20.1 30.1





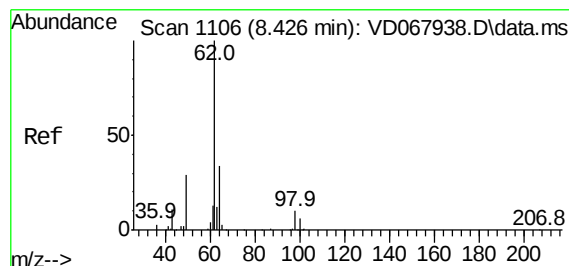
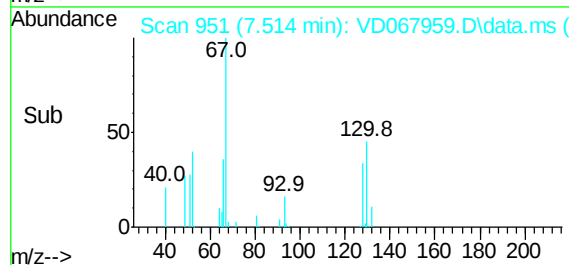
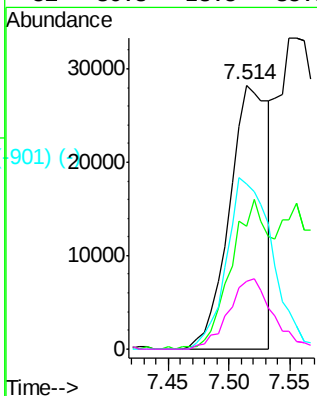
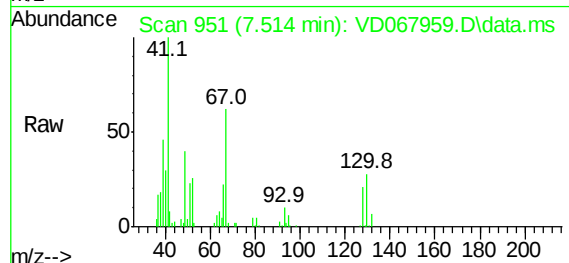
Methacrylonitrile  
Concen: 50.21 ug/l  
RT: 7.514 min Scan# 951  
Delta R.T. -0.006 min  
Lab File: VD067959.D  
Acq: 28 Dec 2020 16:47

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 61998 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 59.1  | 46.2  | 69.2  |
| 67       | 77.5  | 55.1  | 82.7  |
| 52       | 30.3  | 23.5  | 35.3  |

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

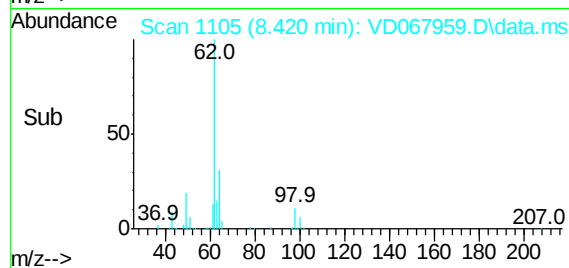
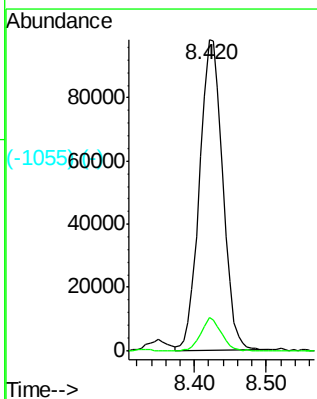
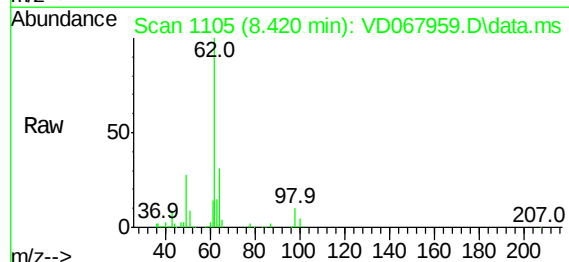
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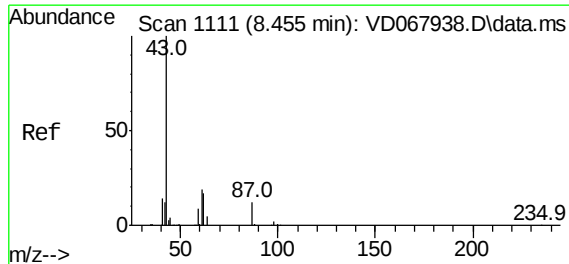
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1,2-Dichloroethane  
Concen: 51.80 ug/l  
RT: 8.420 min Scan# 1105  
Delta R.T. -0.006 min  
Lab File: VD067959.D  
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|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 219702 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 9.2   | 0.0   | 20.4   |



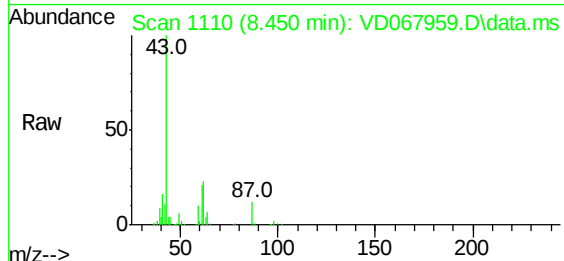


(-1111) (-)  
Isopropyl Acetate  
Concen: 49.95 ug/l  
RT: 8.450 min Scan# 1110  
Delta R.T. -0.006 min  
Lab File: VD067959.D  
Acq: 28 Dec 2020 16:47

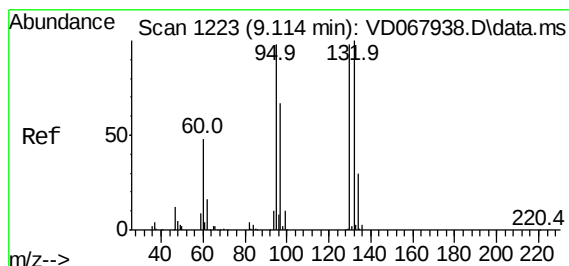
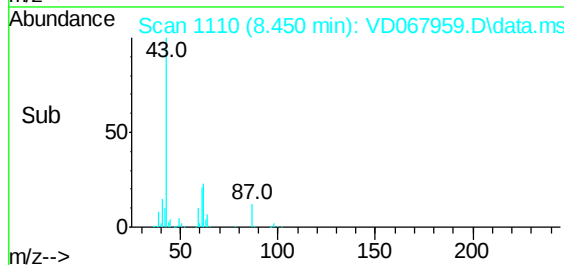
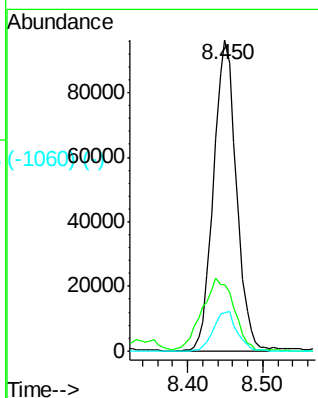
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

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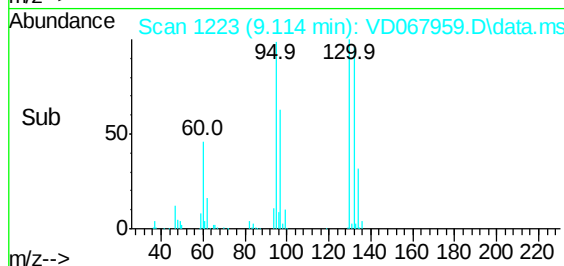
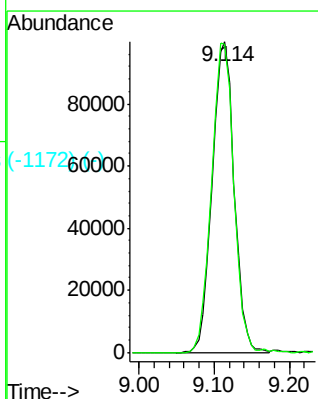
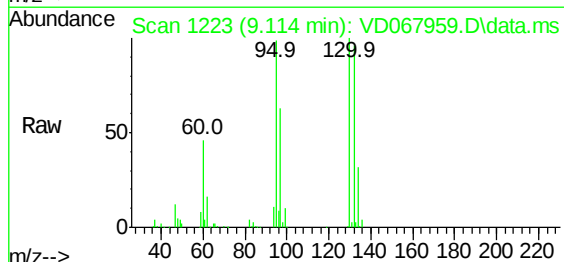


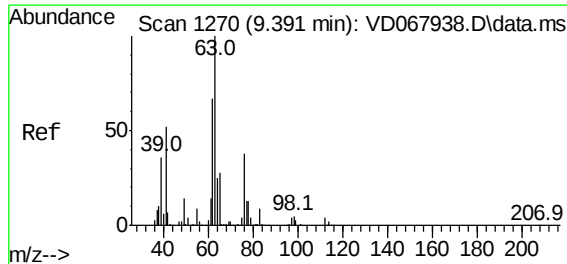
Tgt Ion: 43 Resp: 201137  
Ion Ratio Lower Upper  
43 100  
61 33.2 24.5 36.7  
87 12.9 9.8 14.8



(-1223) (-)  
Trichloroethene  
Concen: 50.86 ug/l  
RT: 9.114 min Scan# 1223  
Delta R.T. 0.000 min  
Lab File: VD067959.D  
Acq: 28 Dec 2020 16:47

Tgt Ion:130 Resp: 200522  
Ion Ratio Lower Upper  
130 100  
95 99.0 0.0 200.8



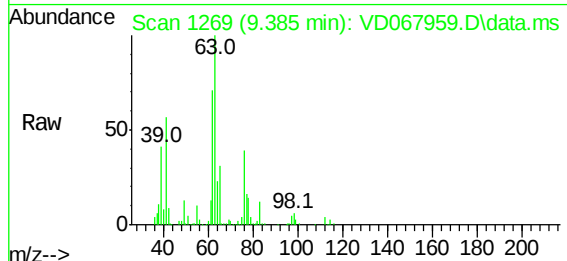


(-145) (-)  
1,2-Dichloropropane  
Concen: 51.50 ug/l  
RT: 9.385 min Scan# 1269  
Delta R.T. -0.006 min  
Lab File: VD067959.D  
Acq: 28 Dec 2020 16:47

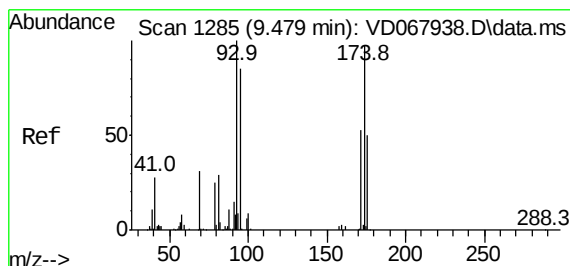
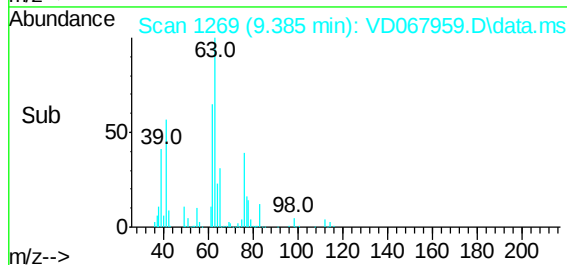
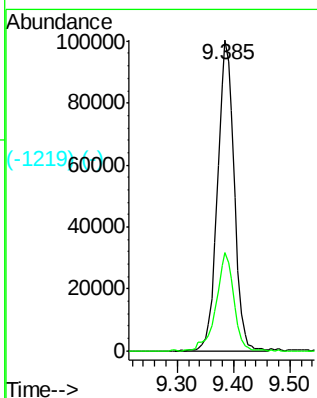
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

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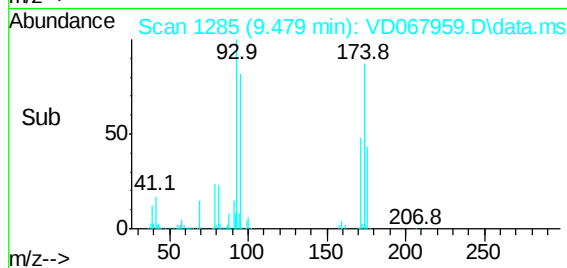
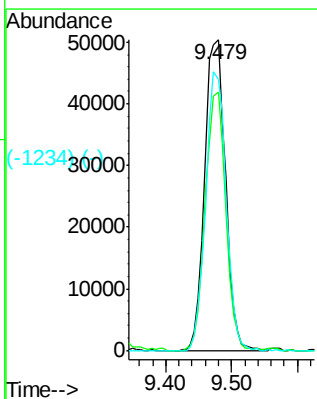
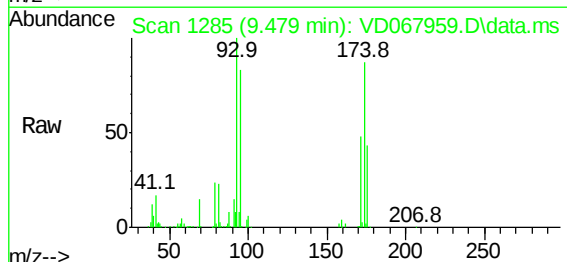


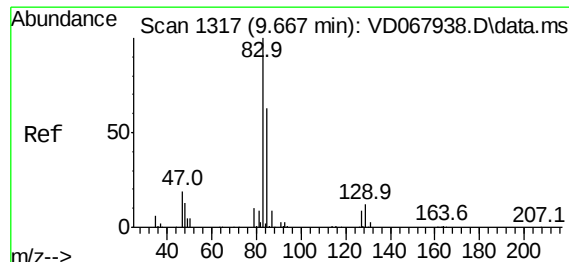
Tgt Ion: 63 Resp: 206214  
Ion Ratio Lower Upper  
63 100  
65 31.5 22.7 34.1



(-146) (-)  
Dibromomethane  
Concen: 54.58 ug/l  
RT: 9.479 min Scan# 1285  
Delta R.T. 0.000 min  
Lab File: VD067959.D  
Acq: 28 Dec 2020 16:47

Tgt Ion: 93 Resp: 106215  
Ion Ratio Lower Upper  
93 100  
95 81.9 68.0 102.0  
174 87.8 74.7 112.1





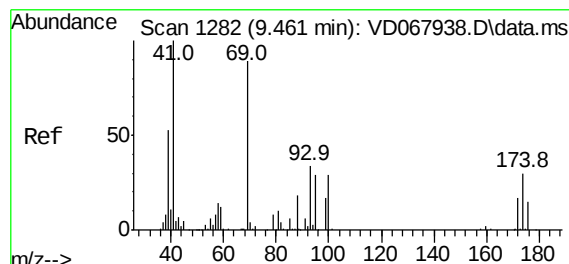
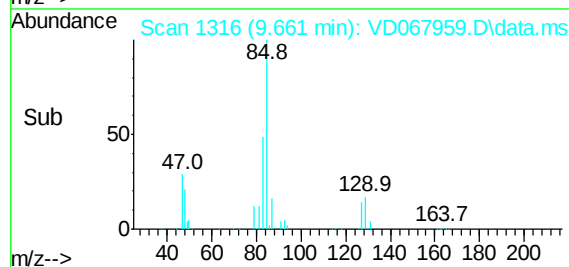
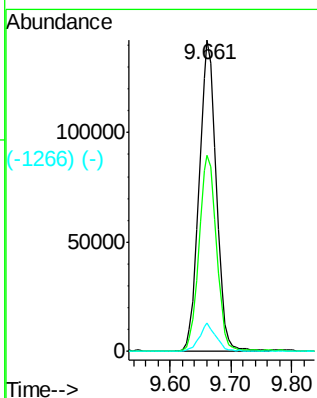
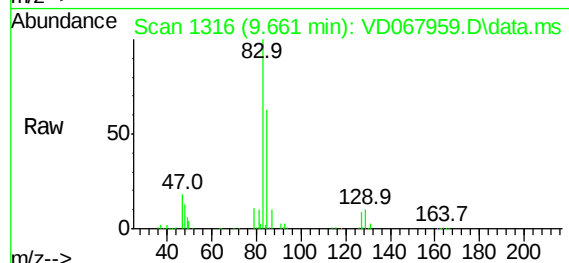
Bromodichloromethane  
Concen: 52.65 ug/l  
RT: 9.661 min Scan# 1316  
Delta R.T. -0.006 min  
Lab File: VD067959.D  
Acq: 28 Dec 2020 16:47

Tgt Ion: 83 Resp: 276463  
Ion Ratio Lower Upper  
83 100  
85 62.8 50.5 75.7  
127 8.8 7.2 10.8

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

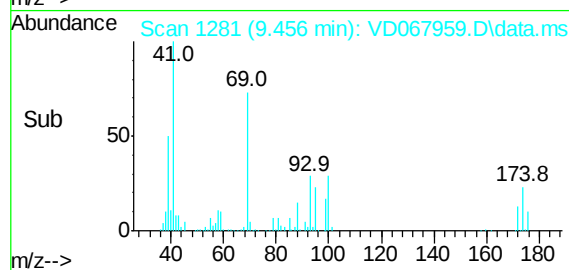
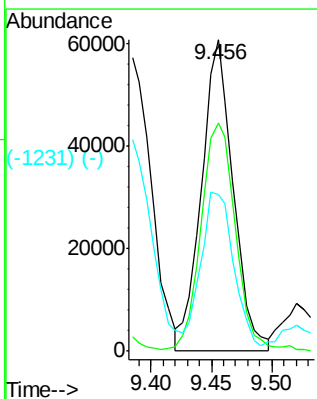
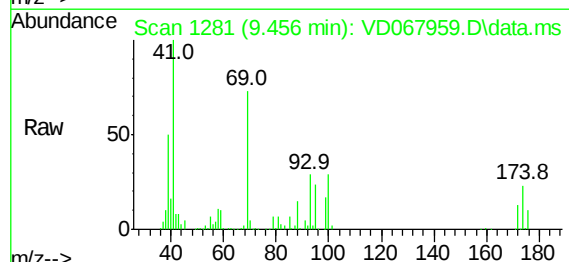
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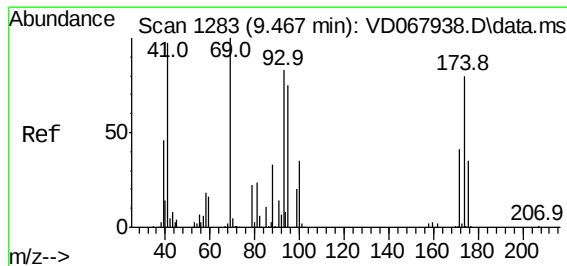
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Methyl methacrylate  
Concen: 52.81 ug/l  
RT: 9.456 min Scan# 1281  
Delta R.T. -0.006 min  
Lab File: VD067959.D  
Acq: 28 Dec 2020 16:47

Tgt Ion: 41 Resp: 109910  
Ion Ratio Lower Upper  
41 100  
69 80.0 63.9 95.9  
39 50.0 37.4 56.0





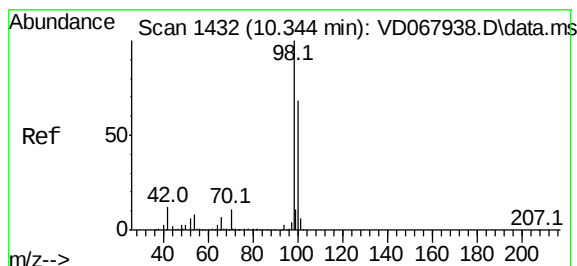
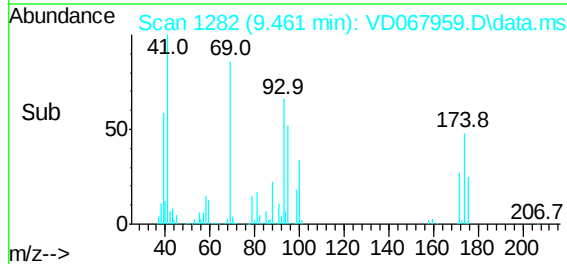
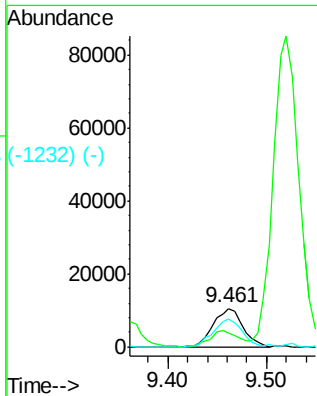
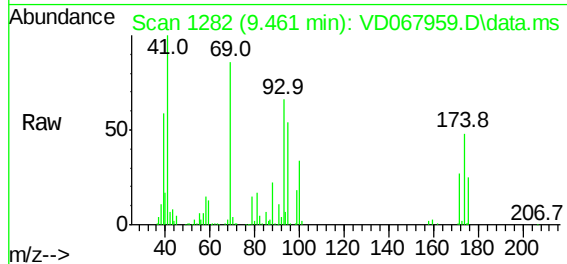
#494 (-)  
1,4-Dioxane  
Concen: 1015.70 ug/l  
RT: 9.461 min Scan# 1282  
Delta R.T. -0.006 min  
Lab File: VD067959.D  
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VSTDCCC050EC

Tgt Ion: 88 Resp: 21584  
Ion Ratio Lower Upper  
88 100  
43 43.4 27.3 40.9#  
58 72.4 54.8 82.2

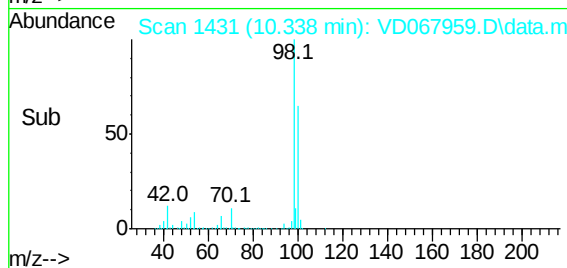
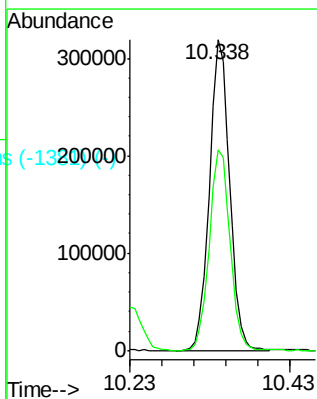
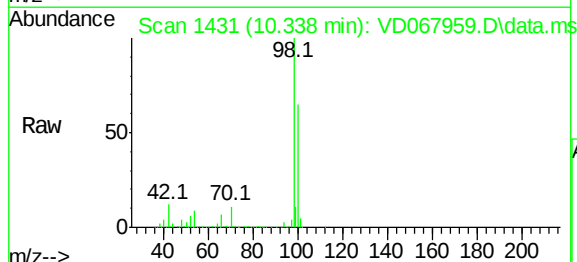
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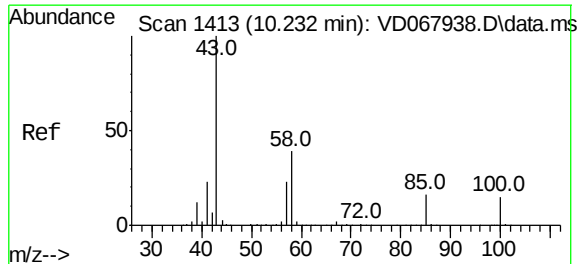
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#5022 (-)  
Toluene-d8  
Concen: 46.57 ug/l  
RT: 10.338 min Scan# 1431  
Delta R.T. -0.006 min  
Lab File: VD067959.D  
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Tgt Ion: 98 Resp: 562567  
Ion Ratio Lower Upper  
98 100  
100 66.7 52.5 78.7



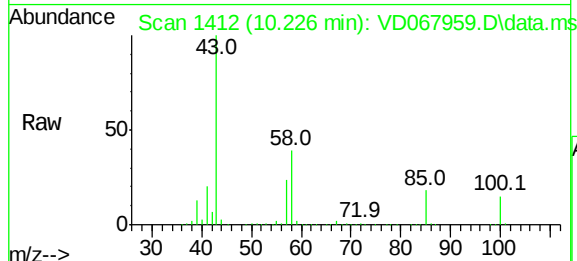


#5102 (-)  
4-Methyl-2-Pentanone  
Concen: 259.38 ug/l  
RT: 10.226 min Scan# 1412  
Delta R.T. -0.006 min  
Lab File: VD067959.D  
Acq: 28 Dec 2020 16:47

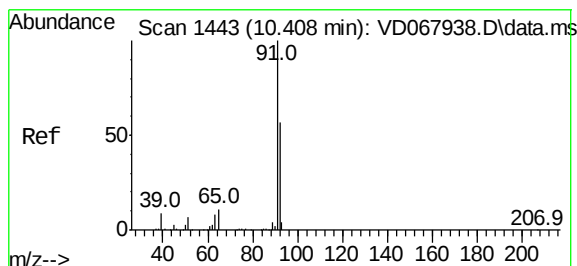
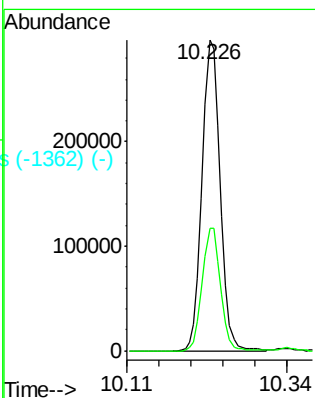
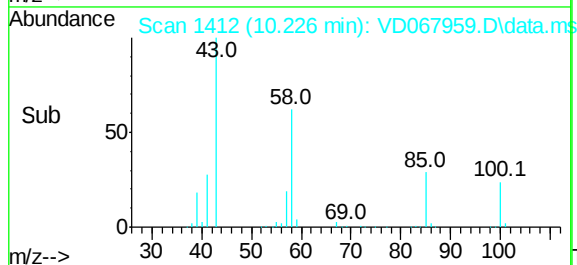
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

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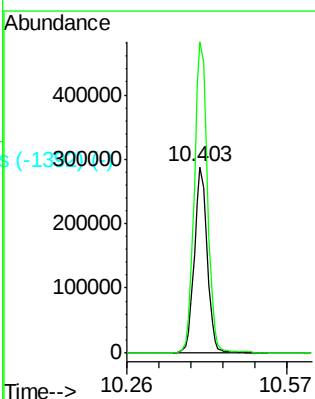
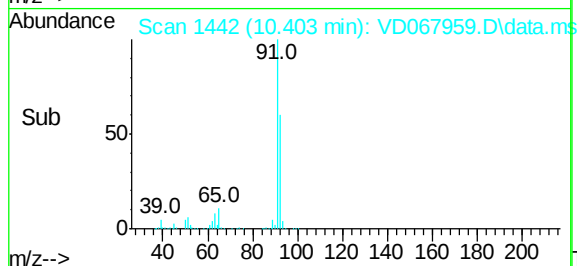
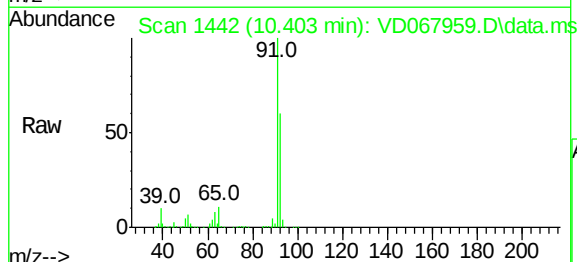


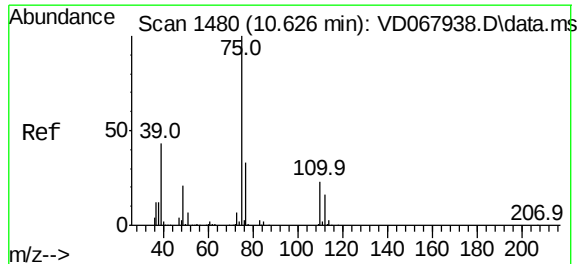
Tgt Ion: 43 Resp: 540828  
Ion Ratio Lower Upper  
43 100  
58 39.8 30.0 45.0



#5133 (-)  
Toluene  
Concen: 51.70 ug/l  
RT: 10.403 min Scan# 1442  
Delta R.T. -0.006 min  
Lab File: VD067959.D  
Acq: 28 Dec 2020 16:47

Tgt Ion: 92 Resp: 501958  
Ion Ratio Lower Upper  
92 100  
91 172.2 138.5 207.7



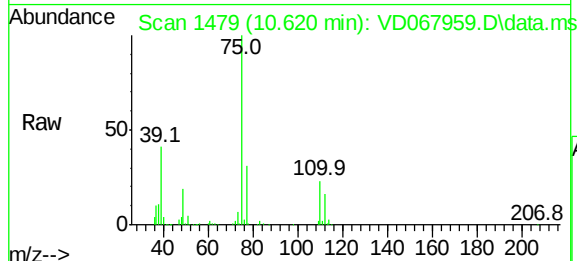


#5470 (-)  
t-1,3-Dichloropropene  
Concen: 53.20 ug/l  
RT: 10.620 min Scan# 1479  
Delta R.T. -0.006 min  
Lab File: VD067959.D  
Acq: 28 Dec 2020 16:47

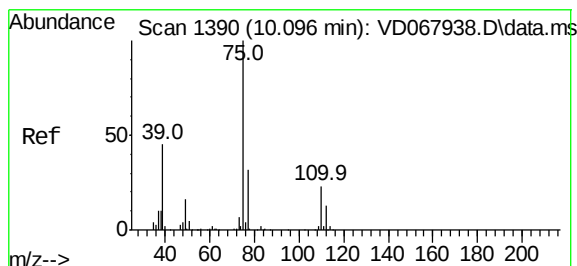
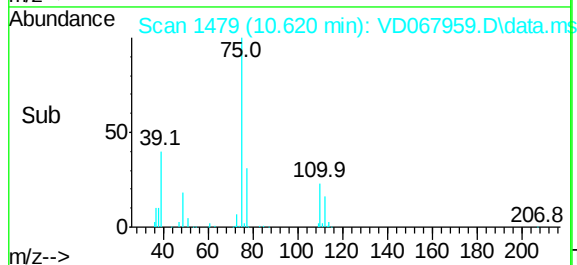
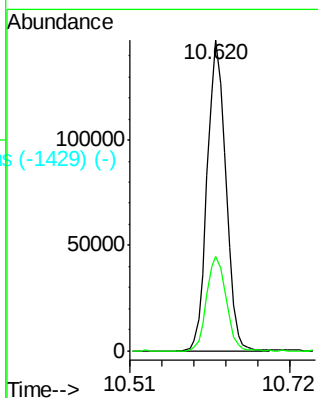
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

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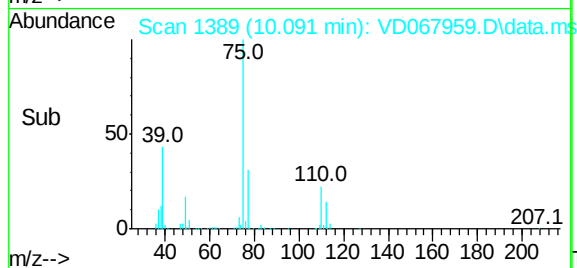
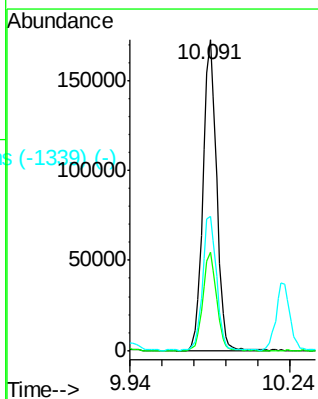
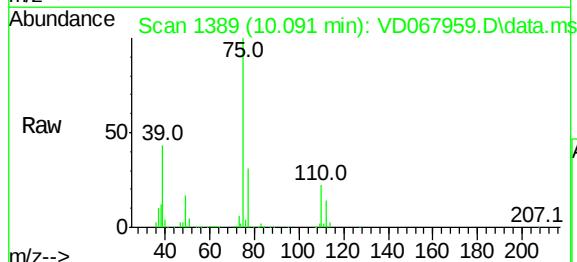


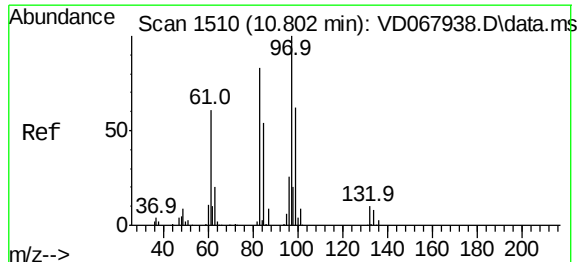
Tgt Ion: 75 Resp: 252629  
Ion Ratio Lower Upper  
75 100  
77 30.6 26.8 40.2



#5479 (-)  
cis-1,3-Dichloropropene  
Concen: 52.30 ug/l  
RT: 10.091 min Scan# 1389  
Delta R.T. -0.006 min  
Lab File: VD067959.D  
Acq: 28 Dec 2020 16:47

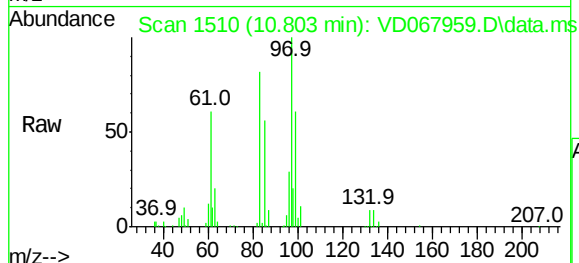
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Ion Ratio Lower Upper  
75 100  
77 31.5 25.3 37.9  
39 43.2 35.7 53.5



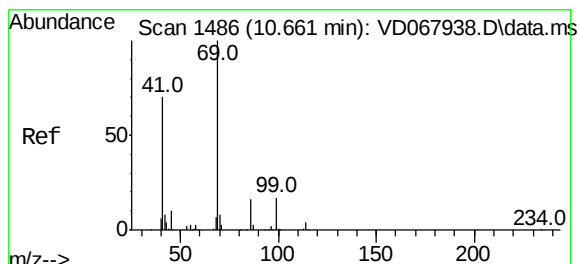
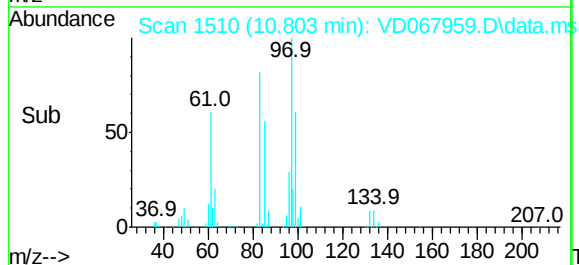
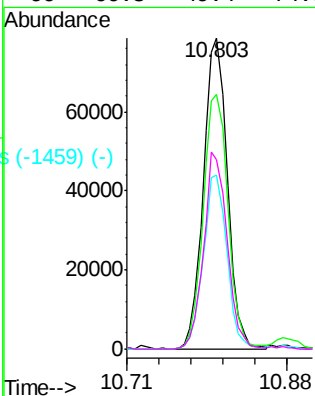


#5503 (-)  
1,1,2-Trichloroethane  
Concen: 51.91 ug/l  
RT: 10.803 min Scan# 1510  
Delta R.T. 0.000 min  
Lab File: VD067959.D  
Acq: 28 Dec 2020 16:47

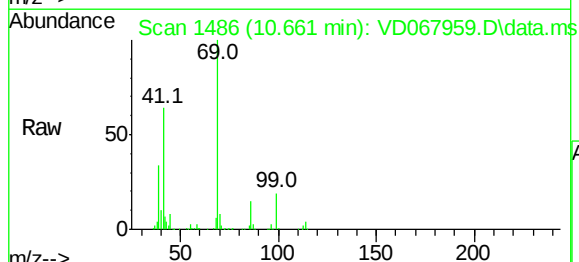
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ClientSampleId :  
VSTDCCC050EC



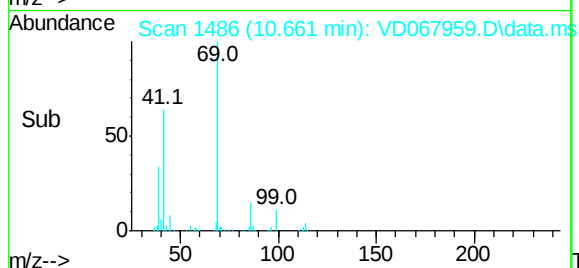
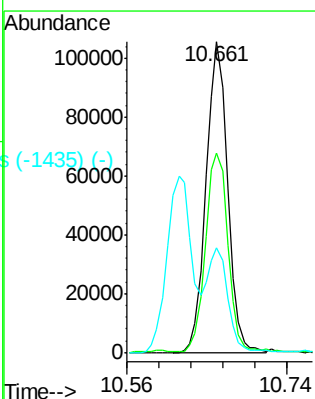
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 83      | 82.0  | 66.4  | 99.6  |
| 85      | 55.8  | 43.4  | 65.0  |
| 99      | 60.8  | 49.4  | 74.0  |

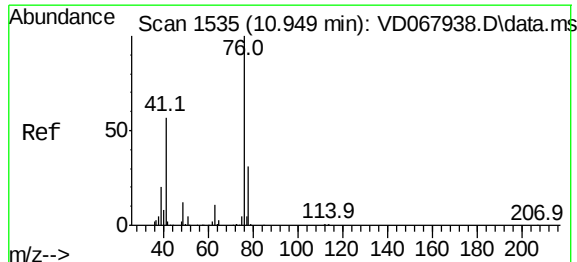


#5578 (-)  
Ethyl methacrylate  
Concen: 55.69 ug/l  
RT: 10.661 min Scan# 1486  
Delta R.T. 0.000 min  
Lab File: VD067959.D  
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| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 69      | 100   |       |       |
| 41      | 66.6  | 56.4  | 84.6  |
| 39      | 32.0  | 24.6  | 36.8  |



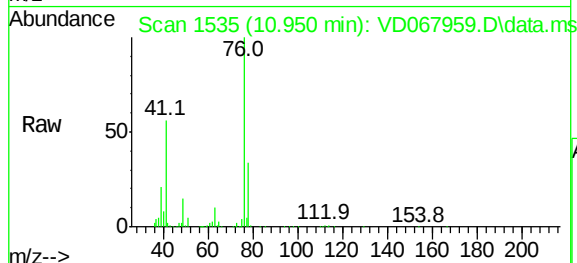


1,3-Dichloropropane  
Concen: 52.48 ug/l  
RT: 10.950 min Scan# 1535  
Delta R.T. 0.000 min  
Lab File: VD067959.D  
Acq: 28 Dec 2020 16:47

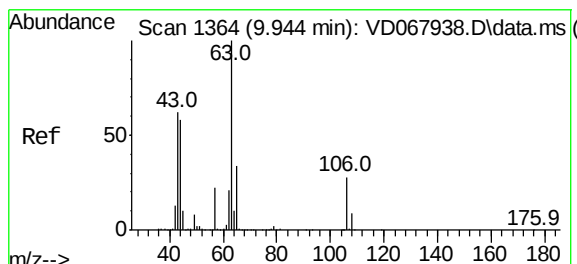
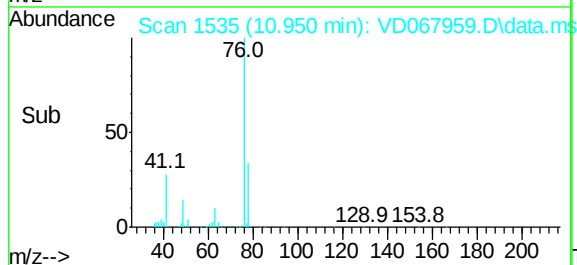
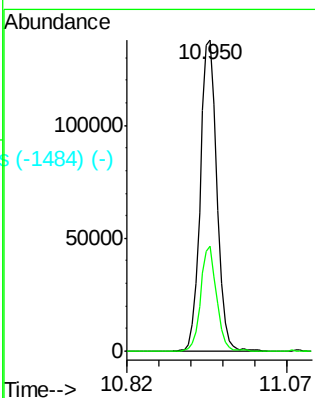
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

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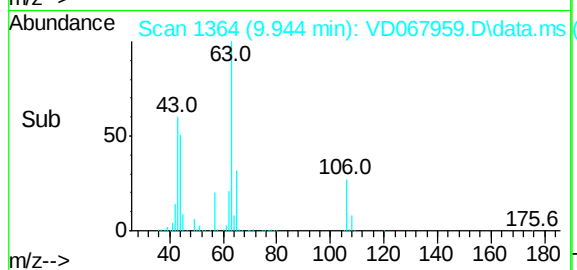
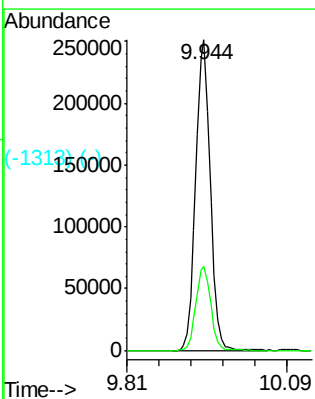
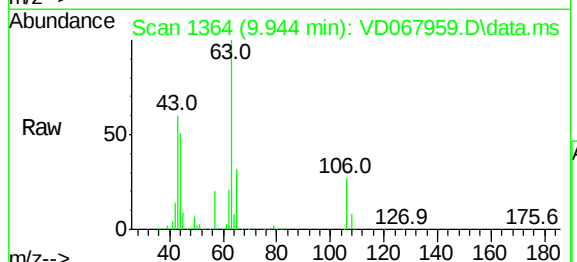


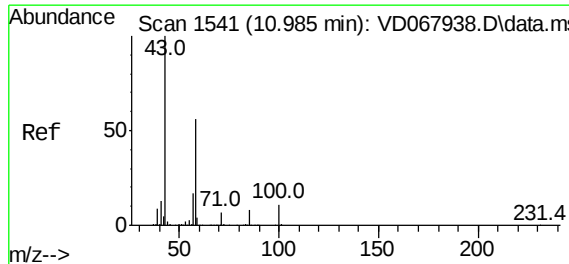
Tgt Ion: 76 Resp: 251002  
Ion Ratio Lower Upper  
76 100  
78 32.1 25.2 37.8



2-Chloroethyl Vinyl ether  
Concen: 284.84 ug/l  
RT: 9.944 min Scan# 1364  
Delta R.T. 0.000 min  
Lab File: VD067959.D  
Acq: 28 Dec 2020 16:47

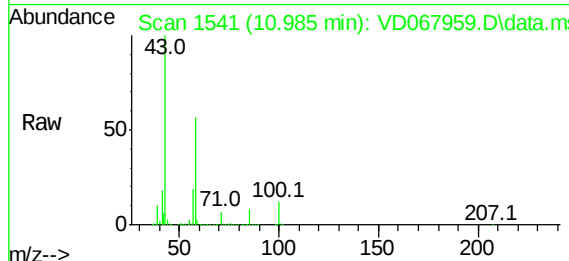
Tgt Ion: 63 Resp: 438053  
Ion Ratio Lower Upper  
63 100  
106 27.5 21.6 32.4





#5931 (-)  
2-Hexanone  
Concen: 266.44 ug/l  
RT: 10.985 min Scan# 1541  
Delta R.T. 0.000 min  
Lab File: VD067959.D  
Acq: 28 Dec 2020 16:47

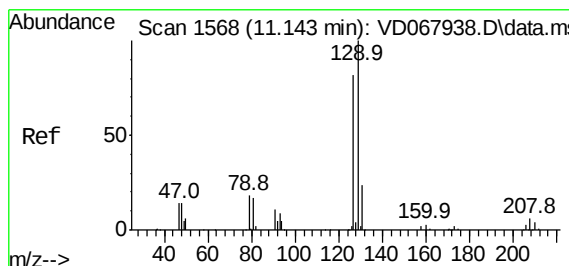
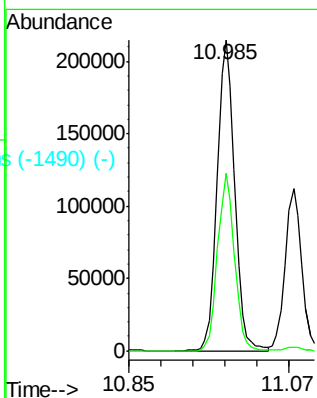
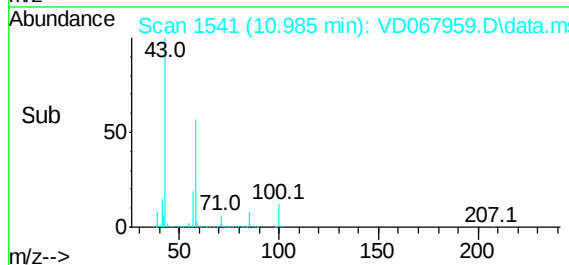
Instrument :  
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Tgt Ion: 43 Resp: 365097  
Ion Ratio Lower Upper  
43 100  
58 55.4 27.5 82.4

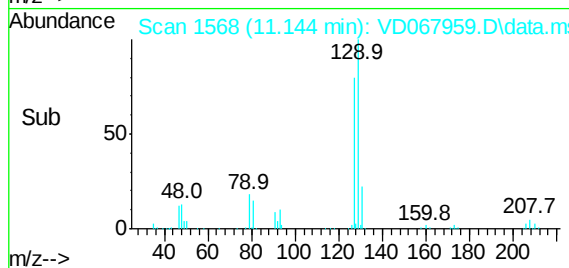
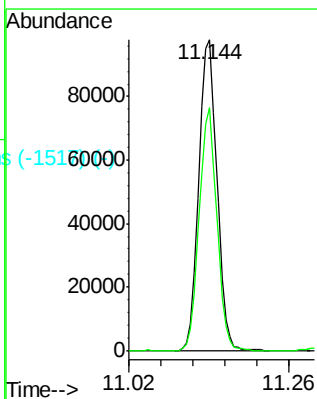
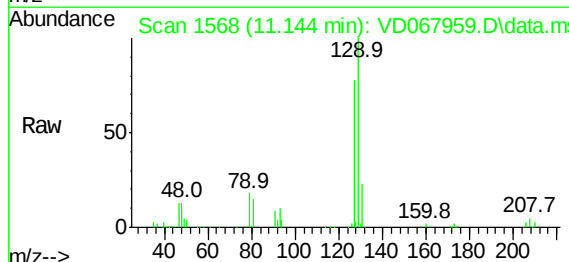
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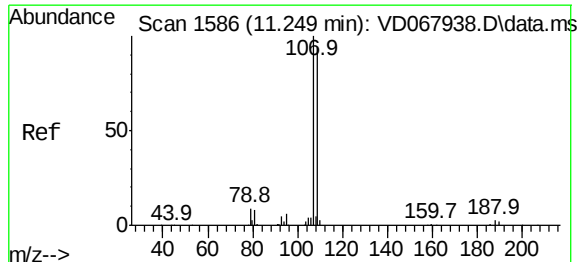
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#6059 (-)  
Dibromochloromethane  
Concen: 53.96 ug/l  
RT: 11.144 min Scan# 1568  
Delta R.T. 0.000 min  
Lab File: VD067959.D  
Acq: 28 Dec 2020 16:47

Tgt Ion: 129 Resp: 181809  
Ion Ratio Lower Upper  
129 100  
127 76.0 38.8 116.4



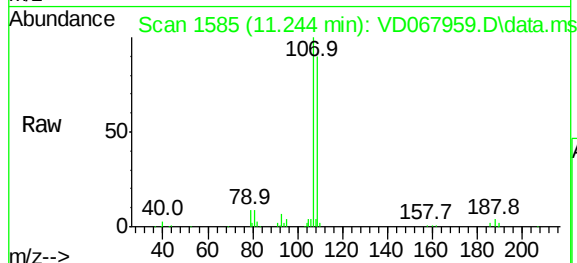


#6178 (-)  
1,2-Dibromoethane  
Concen: 51.66 ug/l  
RT: 11.244 min Scan# 1585  
Delta R.T. -0.006 min  
Lab File: VD067959.D  
Acq: 28 Dec 2020 16:47

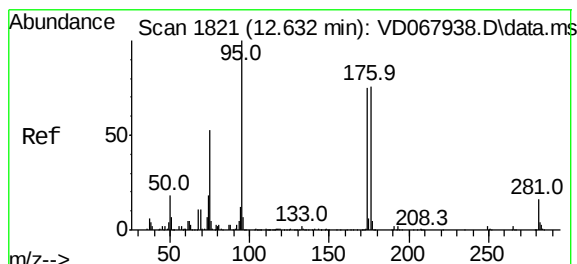
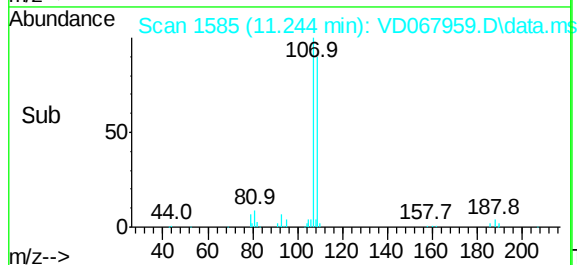
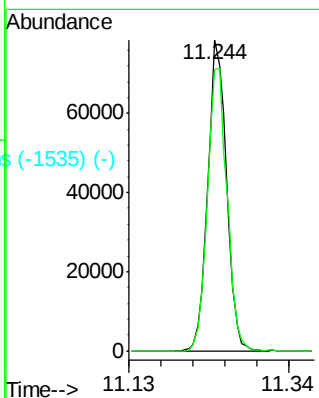
Instrument :  
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ClientSampleId :  
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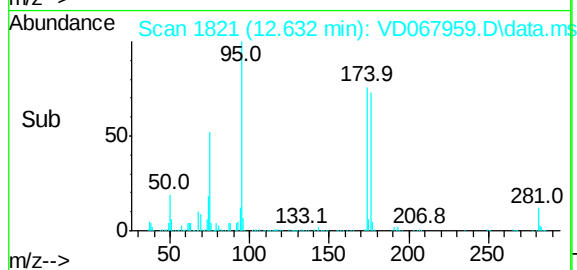
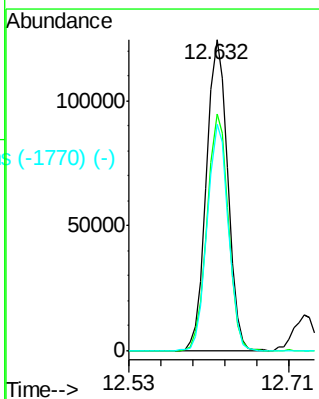
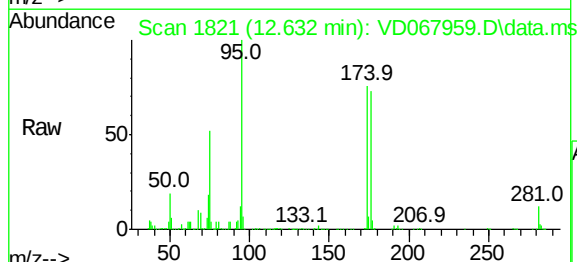


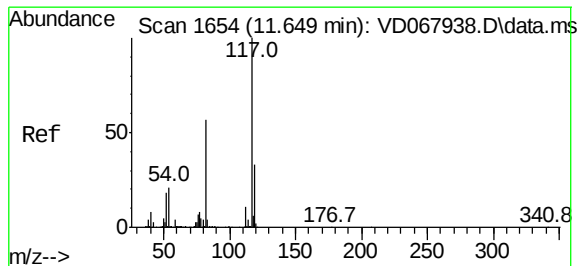
Tgt Ion: 107 Resp: 134806  
Ion Ratio Lower Upper  
107 100  
109 95.2 75.4 113.2



#6213 (-)  
4-Bromofluorobenzene  
Concen: 48.74 ug/l  
RT: 12.632 min Scan# 1821  
Delta R.T. 0.000 min  
Lab File: VD067959.D  
Acq: 28 Dec 2020 16:47

Tgt Ion: 95 Resp: 201395  
Ion Ratio Lower Upper  
95 100  
174 75.5 0.0 150.6  
176 72.1 0.0 151.2



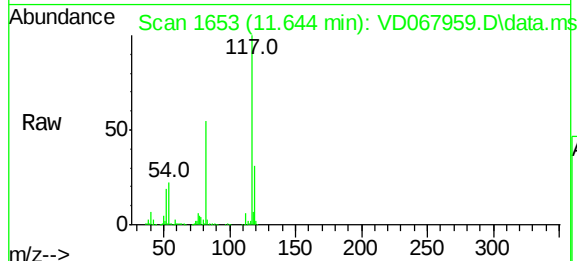


#16344 (-)  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.644 min Scan# 1653  
Delta R.T. -0.006 min  
Lab File: VD067959.D  
Acq: 28 Dec 2020 16:47

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

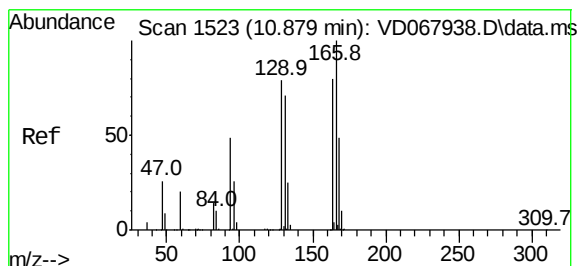
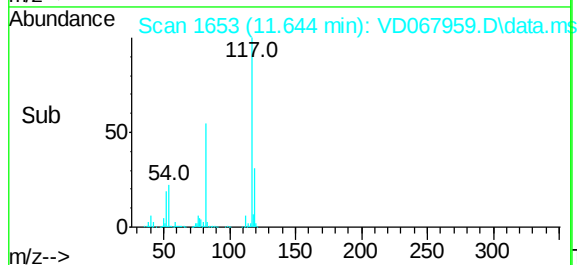
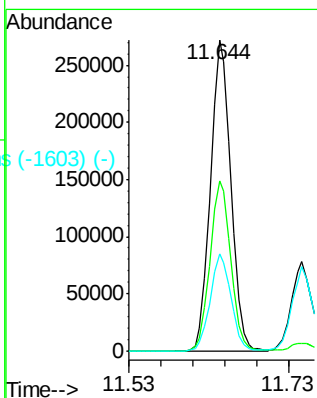
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Tgt Ion:117 Resp: 464233

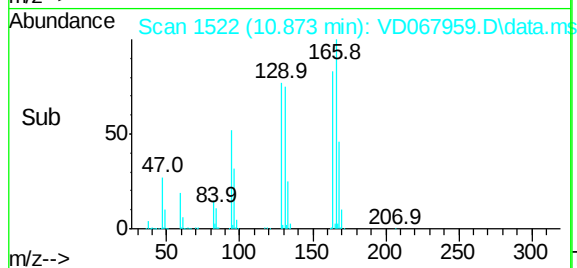
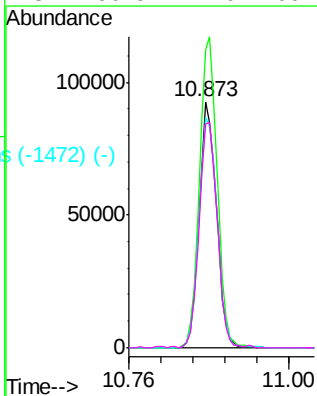
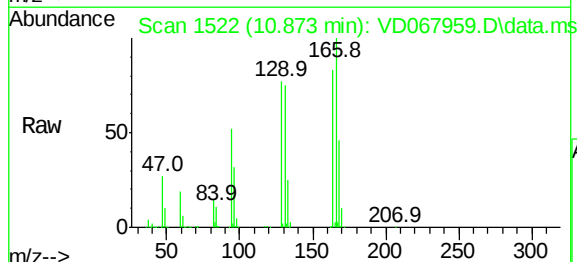
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 82  | 54.6  | 45.4  | 68.0  |
| 119 | 31.3  | 26.7  | 40.1  |

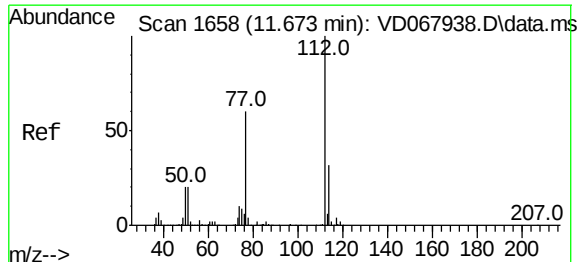


#16344 (-)  
Tetrachloroethene  
Concen: 50.16 ug/l  
RT: 10.873 min Scan# 1522  
Delta R.T. -0.006 min  
Lab File: VD067959.D  
Acq: 28 Dec 2020 16:47

Tgt Ion:164 Resp: 163341

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 166 | 121.1 | 99.4  | 149.2 |
| 129 | 93.4  | 79.0  | 118.4 |
| 131 | 90.9  | 71.0  | 106.4 |



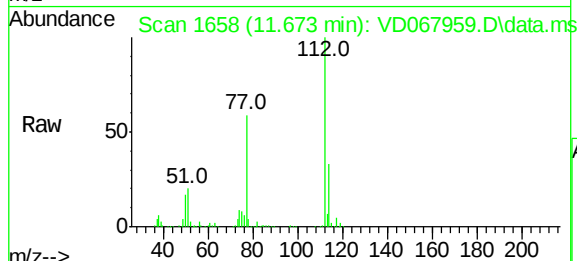


#6549 (-)  
Chlorobenzene  
Concen: 50.85 ug/l  
RT: 11.673 min Scan# 1658  
Delta R.T. 0.000 min  
Lab File: VD067959.D  
Acq: 28 Dec 2020 16:47

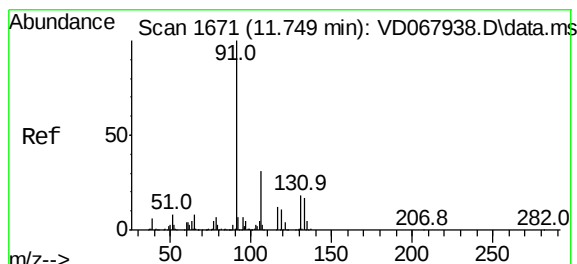
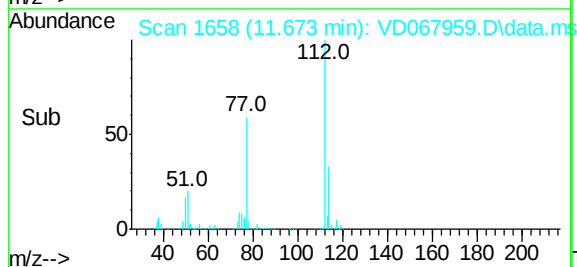
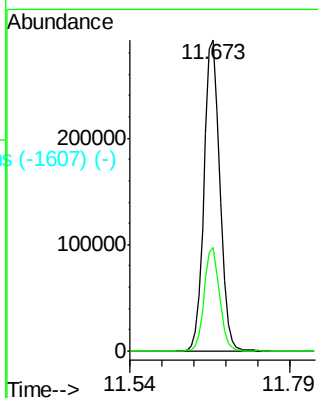
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

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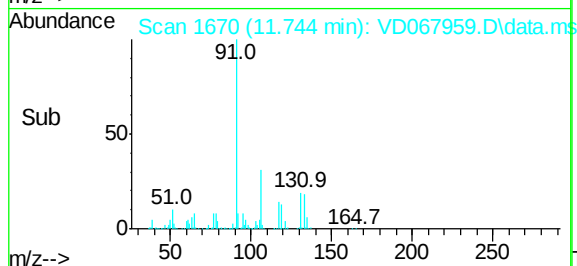
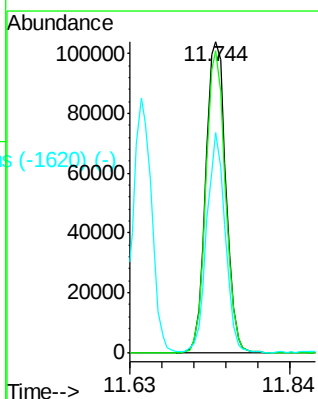
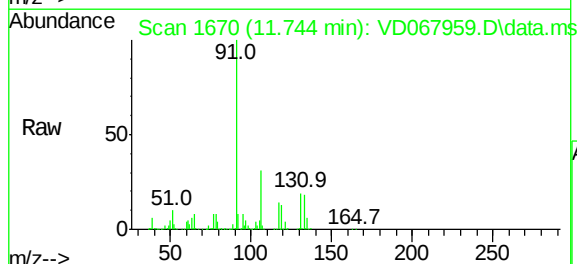


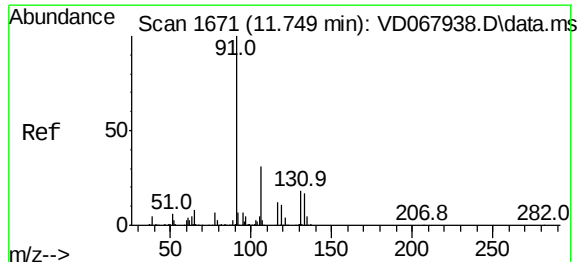
Tgt Ion:112 Resp: 509281  
Ion Ratio Lower Upper  
112 100  
114 33.4 25.3 37.9



#6562 (-)  
1,1,1,2-Tetrachloroethane  
Concen: 53.41 ug/l  
RT: 11.744 min Scan# 1670  
Delta R.T. -0.006 min  
Lab File: VD067959.D  
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Tgt Ion:131 Resp: 190941  
Ion Ratio Lower Upper  
131 100  
133 94.0 48.4 145.0  
119 65.4 33.4 100.2



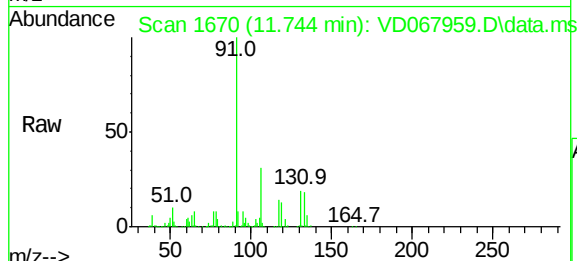


#661 (-)  
Ethyl Benzene  
Concen: 52.75 ug/l  
RT: 11.744 min Scan# 1670  
Delta R.T. -0.006 min  
Lab File: VD067959.D  
Acq: 28 Dec 2020 16:47

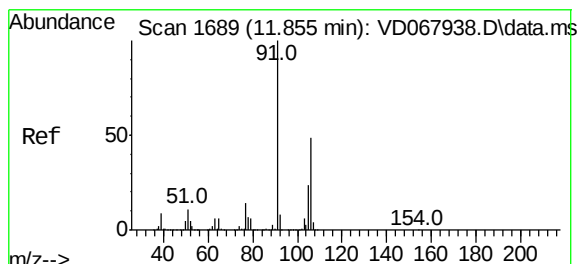
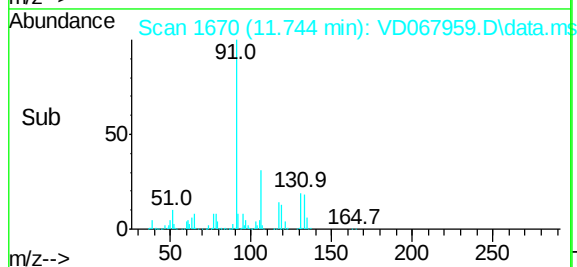
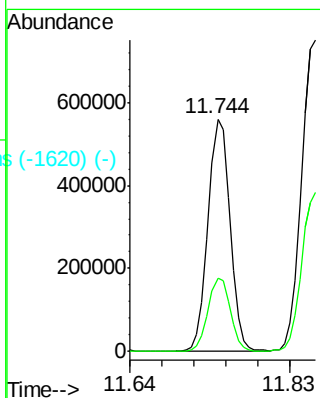
Instrument :  
MSVOA\_D  
ClientSampleId :  
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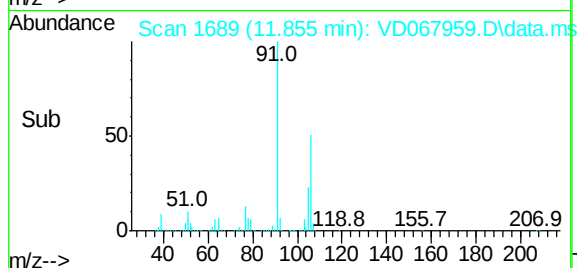
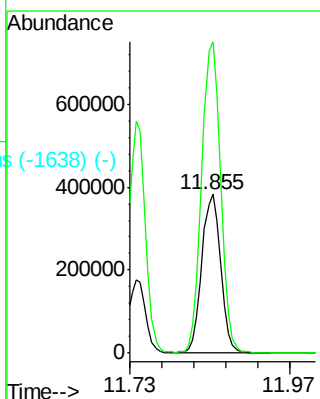
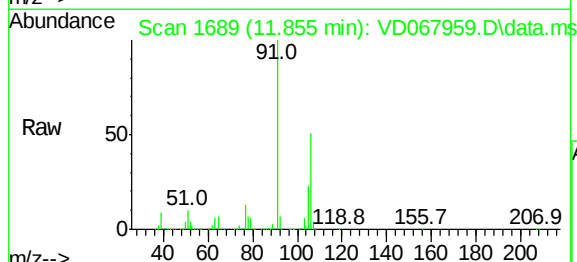


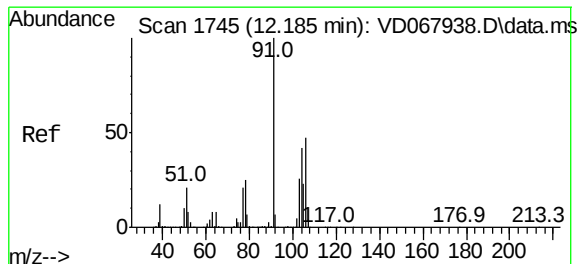
Tgt Ion: 91 Resp: 942112  
Ion Ratio Lower Upper  
91 100  
106 31.4 24.6 37.0



#660 (-)  
m/p-Xylenes  
Concen: 106.63 ug/l  
RT: 11.855 min Scan# 1689  
Delta R.T. 0.000 min  
Lab File: VD067959.D  
Acq: 28 Dec 2020 16:47

Tgt Ion:106 Resp: 725774  
Ion Ratio Lower Upper  
106 100  
91 198.6 159.9 239.9





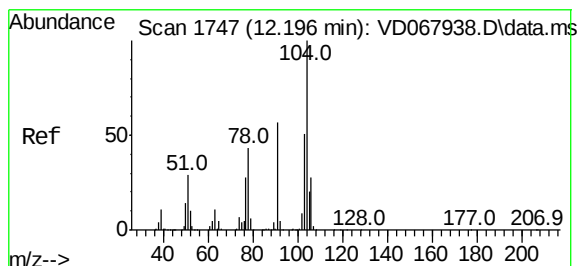
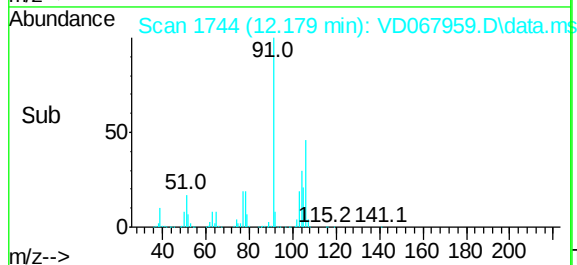
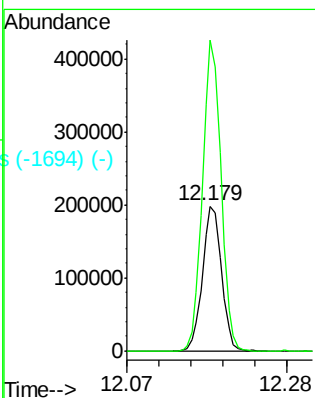
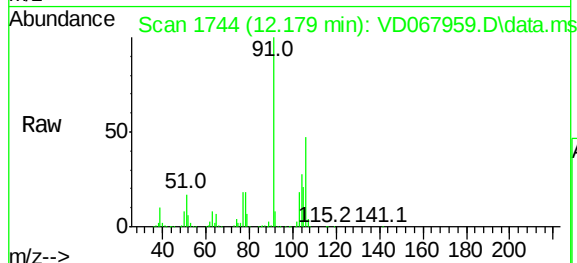
#6937 (-)  
o-Xylene  
Concen: 54.11 ug/l  
RT: 12.179 min Scan# 1744  
Delta R.T. -0.006 min  
Lab File: VD067959.D  
Acq: 28 Dec 2020 16:47

Instrument :  
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ClientSampleId :  
VSTDCCC050EC

Tgt Ion:106 Resp: 329555  
Ion Ratio Lower Upper  
106 100  
91 209.3 106.0 317.9

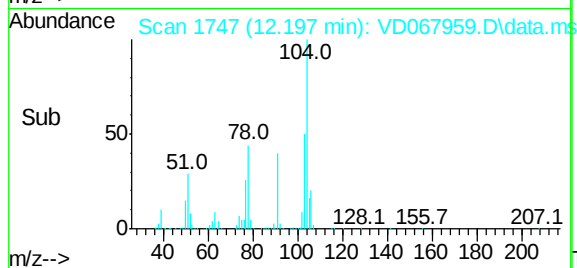
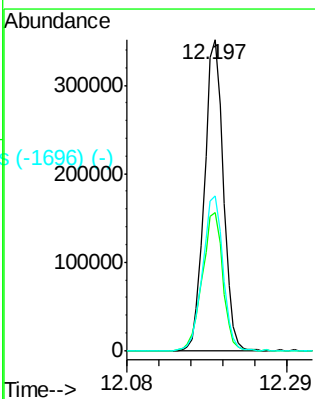
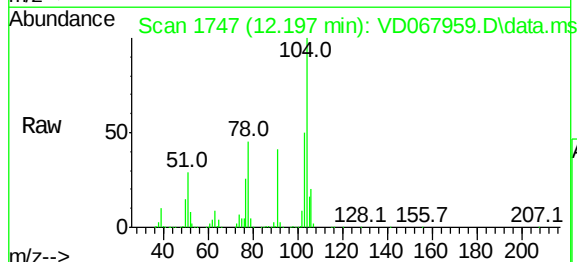
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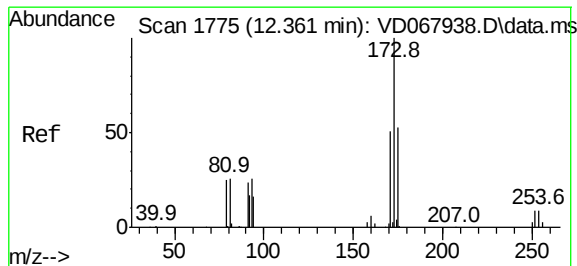
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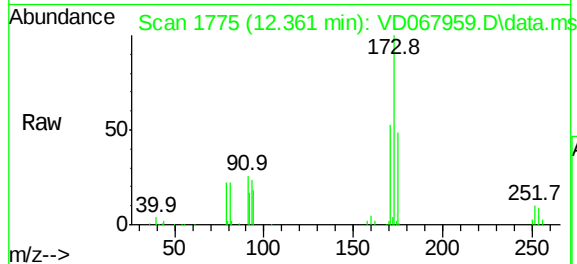
#1736 (-)  
Styrene  
Concen: 55.17 ug/l  
RT: 12.197 min Scan# 1747  
Delta R.T. 0.000 min  
Lab File: VD067959.D  
Acq: 28 Dec 2020 16:47

Tgt Ion:104 Resp: 580614  
Ion Ratio Lower Upper  
104 100  
78 48.1 38.6 58.0  
103 53.2 44.2 66.4

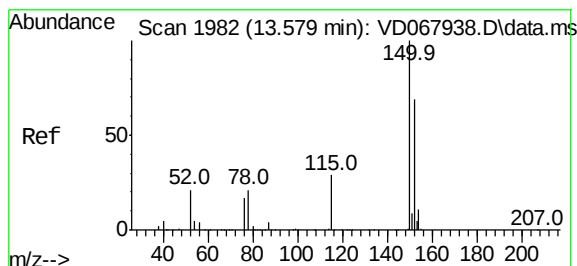
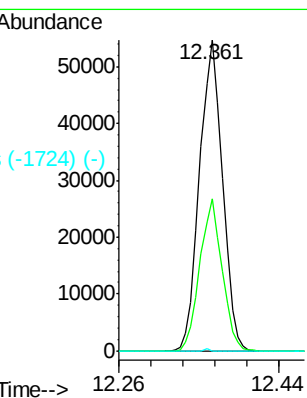
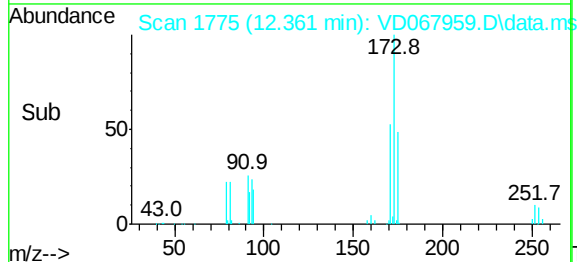




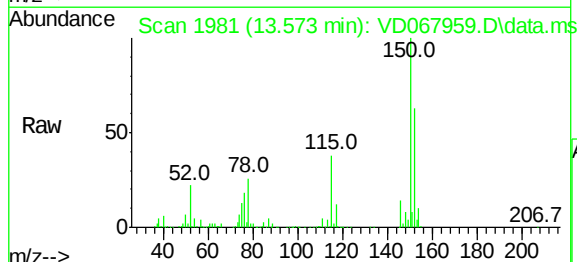
#1767 (-)  
Bromoform  
Concen: 53.47 ug/l  
RT: 12.361 min Scan# 1775  
Delta R.T. 0.000 min  
Lab File: VD067959.D  
Acq: 28 Dec 2020 16:47



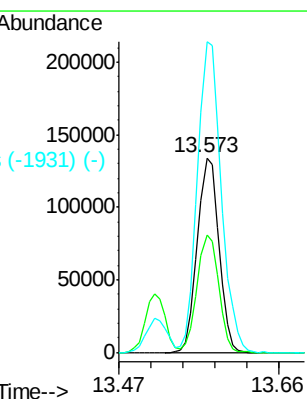
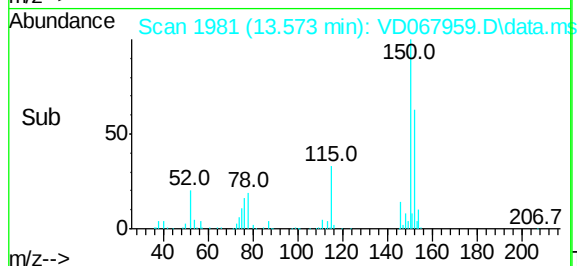
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 173   | Resp: | 96608 |
| Ion Ratio | Lower | Upper |       |
| 173       | 100   |       |       |
| 175       | 47.3  | 24.6  | 73.8  |
| 254       | 0.2   | 0.0   | 0.0#  |



#1773 (-)  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.573 min Scan# 1981  
Delta R.T. -0.006 min  
Lab File: VD067959.D  
Acq: 28 Dec 2020 16:47



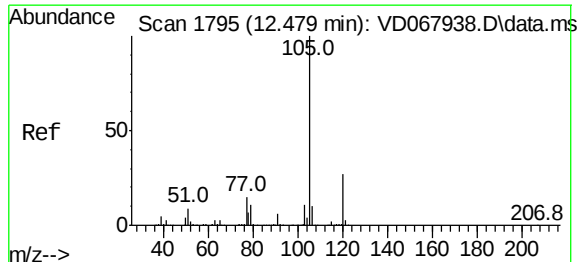
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 221747 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 115       | 60.6  | 29.3  | 88.0   |
| 150       | 176.2 | 0.0   | 340.0  |



Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

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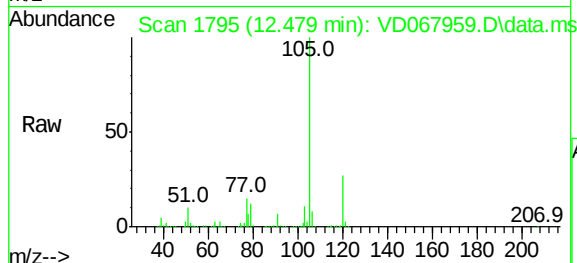


#1786 (-)  
Isopropylbenzene  
Concen: 54.09 ug/l  
RT: 12.479 min Scan# 1795  
Delta R.T. 0.000 min  
Lab File: VD067959.D  
Acq: 28 Dec 2020 16:47

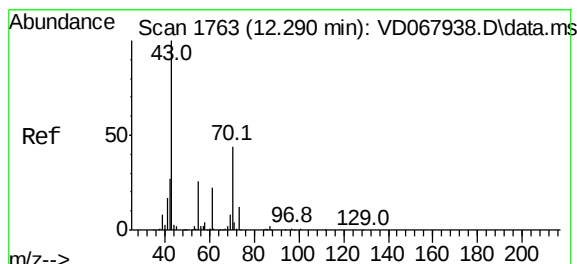
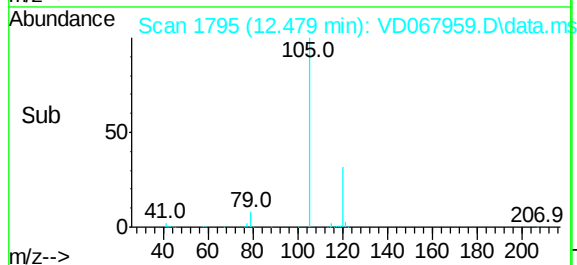
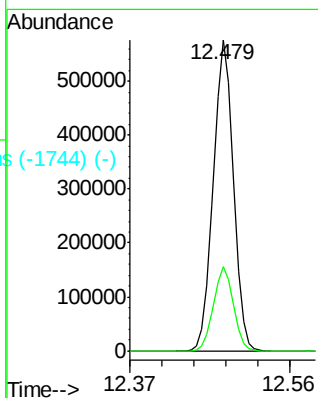
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ClientSampleId :  
VSTDCCC050EC

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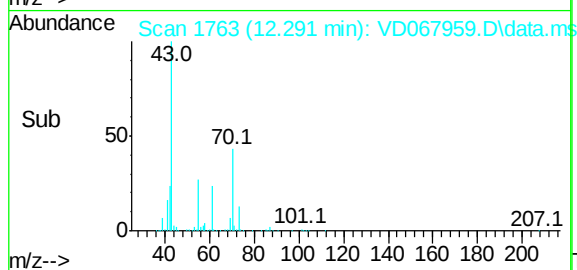
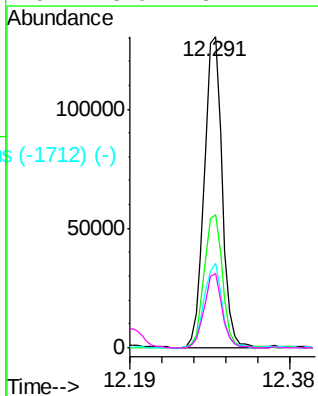
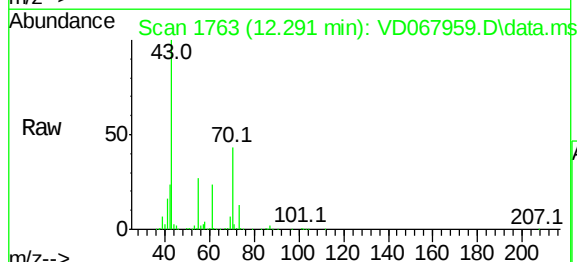


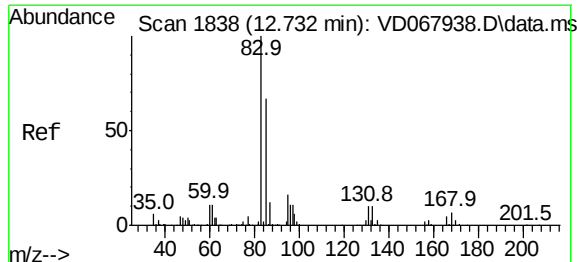
Tgt Ion:105 Resp: 890290  
Ion Ratio Lower Upper  
105 100  
120 26.6 13.4 40.1



#1753 (-)  
N-ethyl acetate  
Concen: 52.01 ug/l  
RT: 12.291 min Scan# 1763  
Delta R.T. 0.000 min  
Lab File: VD067959.D  
Acq: 28 Dec 2020 16:47

Tgt Ion: 43 Resp: 194312  
Ion Ratio Lower Upper  
43 100  
70 43.6 34.3 51.5  
55 27.1 21.2 31.8  
61 23.6 18.4 27.6



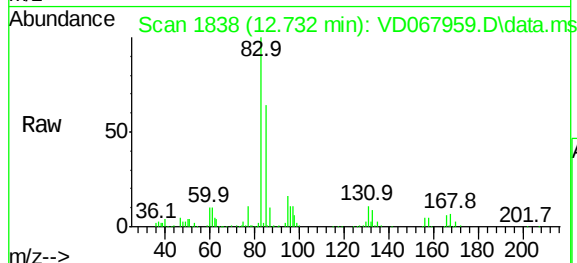


#1530 (-)  
 1,1,2,2-Tetrachloroethane  
 Concen: 49.87 ug/l  
 RT: 12.732 min Scan# 1838  
 Delta R.T. 0.000 min  
 Lab File: VD067959.D  
 Acq: 28 Dec 2020 16:47

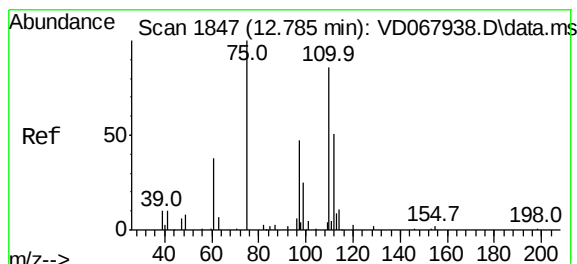
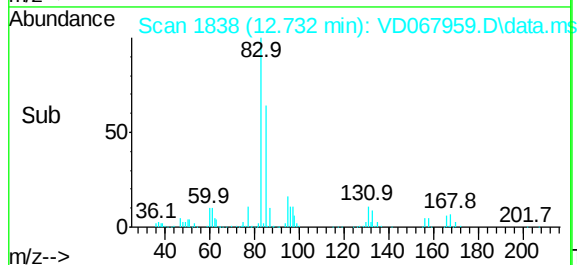
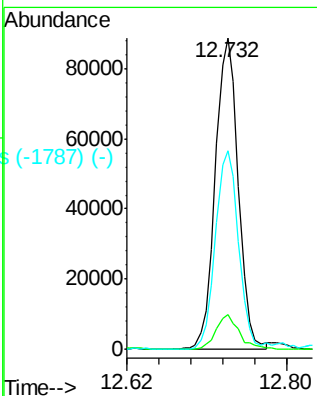
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 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

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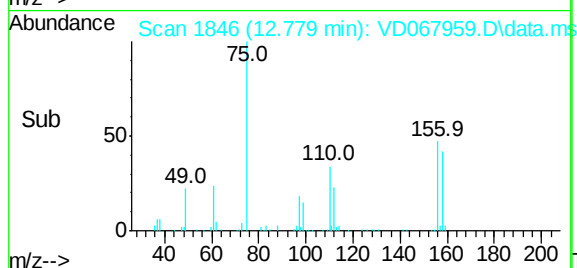
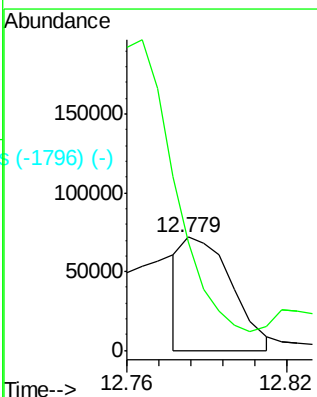
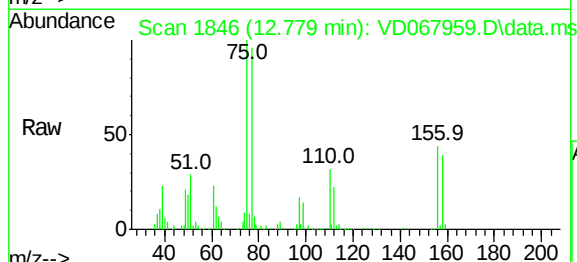


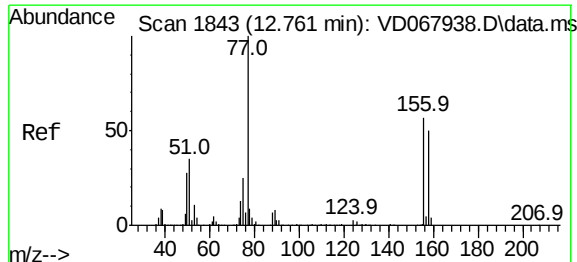
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 131     | 10.8  | 5.0   | 14.9  |
| 85      | 64.6  | 32.1  | 96.3  |



#1645 (-)  
 1,2,3-Trichloropropane  
 Concen: 50.43 ug/l m  
 RT: 12.779 min Scan# 1846  
 Delta R.T. -0.006 min  
 Lab File: VD067959.D  
 Acq: 28 Dec 2020 16:47

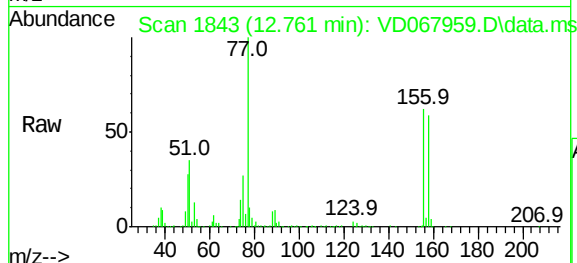
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 407.6 | 0.0   | 0.0#  |





#1834 (-)  
Bromobenzene  
Concen: 53.37 ug/l  
RT: 12.761 min Scan# 1843  
Delta R.T. 0.000 min  
Lab File: VD067959.D  
Acq: 28 Dec 2020 16:47

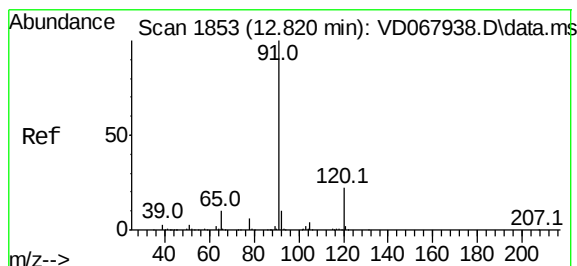
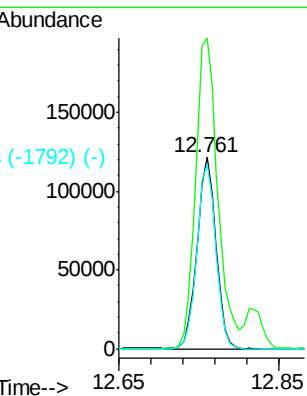
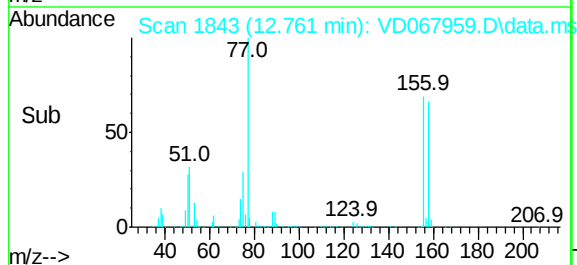
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC



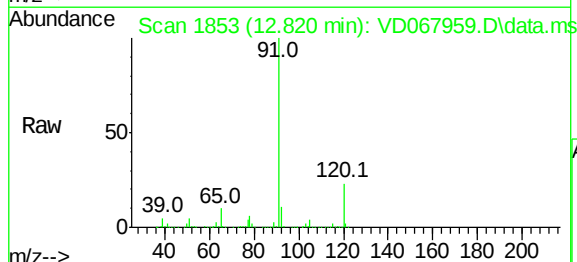
Tgt Ion:156 Resp: 200868  
Ion Ratio Lower Upper  
156 100  
77 191.1 95.9 287.6  
158 96.2 46.8 140.3

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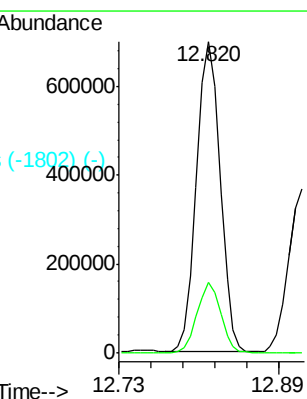
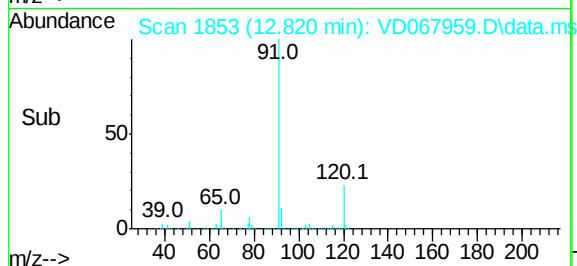
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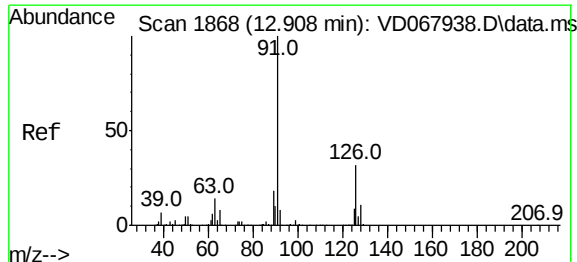


#1847 (-)  
n-propylbenzene  
Concen: 53.48 ug/l  
RT: 12.820 min Scan# 1853  
Delta R.T. 0.000 min  
Lab File: VD067959.D  
Acq: 28 Dec 2020 16:47



Tgt Ion: 91 Resp: 1094263  
Ion Ratio Lower Upper  
91 100  
120 22.2 11.2 33.5



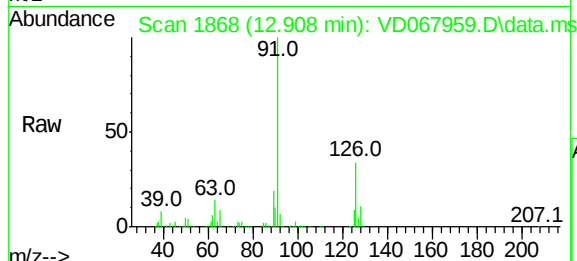


#1861 (-)  
2-Chlorotoluene  
Concen: 51.66 ug/l  
RT: 12.908 min Scan# 1868  
Delta R.T. 0.000 min  
Lab File: VD067959.D  
Acq: 28 Dec 2020 16:47

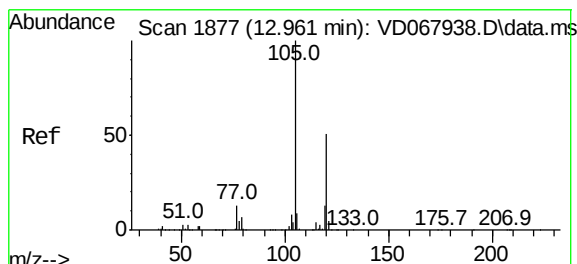
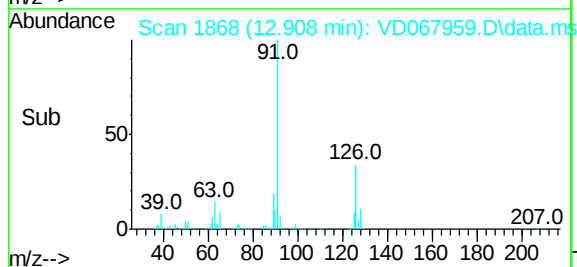
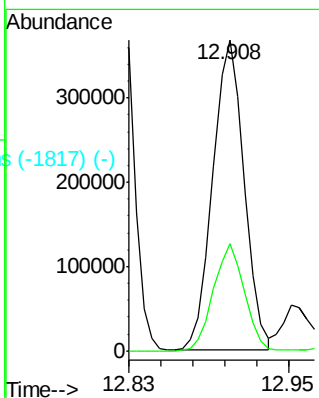
Instrument :  
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ClientSampleId :  
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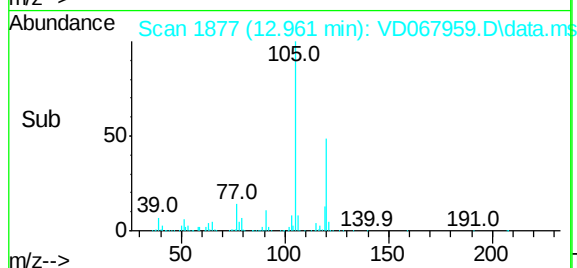
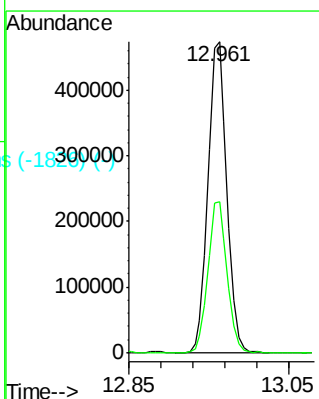
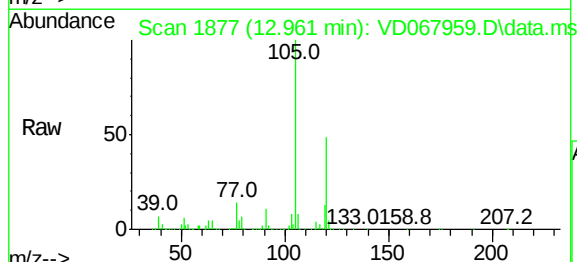


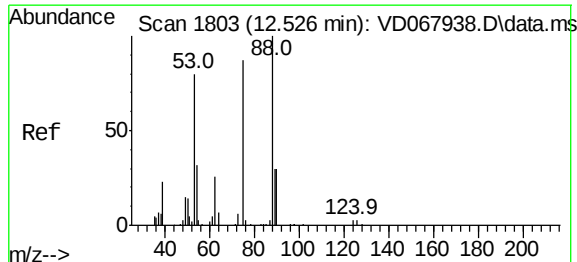
Tgt Ion: 91 Resp: 597212  
Ion Ratio Lower Upper  
91 100  
126 34.1 16.8 50.3



#1868 (-)  
1,3,5-Trimethylbenzene  
Concen: 54.41 ug/l  
RT: 12.961 min Scan# 1877  
Delta R.T. 0.000 min  
Lab File: VD067959.D  
Acq: 28 Dec 2020 16:47

Tgt Ion:105 Resp: 743794  
Ion Ratio Lower Upper  
105 100  
120 49.1 24.9 74.6





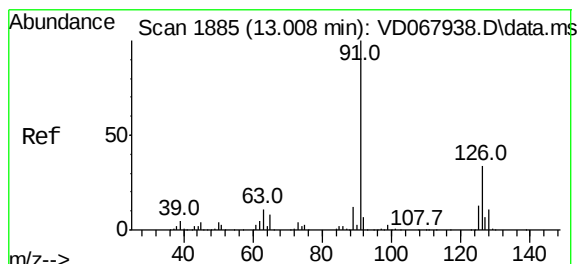
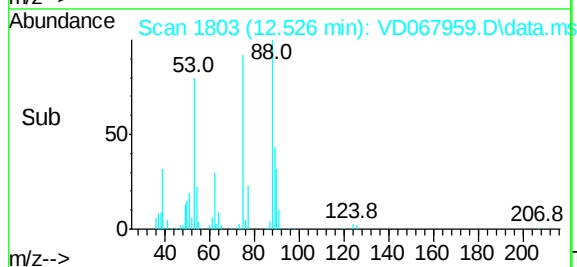
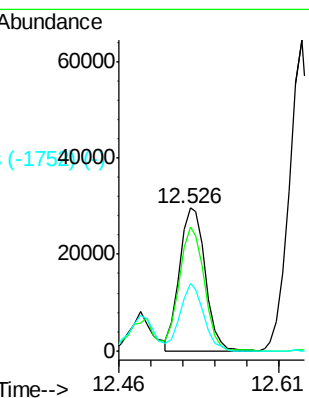
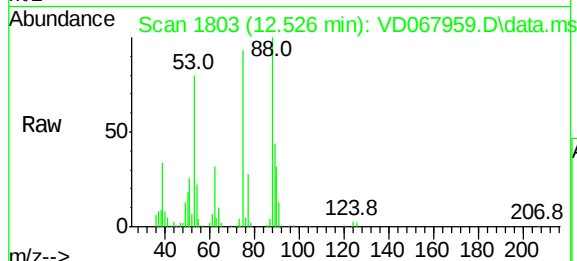
#199 (-)  
trans-1,4-Dichloro-2-butene  
Concen: 55.69 ug/l  
RT: 12.526 min Scan# 1803  
Delta R.T. 0.000 min  
Lab File: VD067959.D  
Acq: 28 Dec 2020 16:47

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 50726 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 53        | 83.7  | 74.9  | 112.3 |
| 89        | 42.8  | 33.8  | 50.8  |

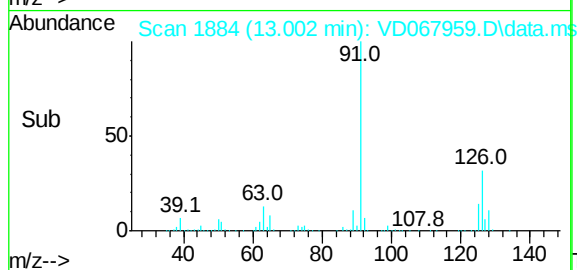
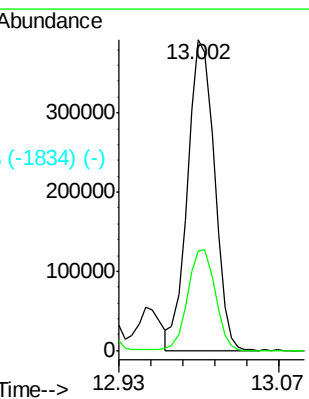
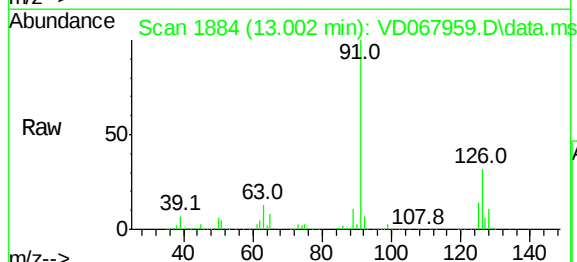
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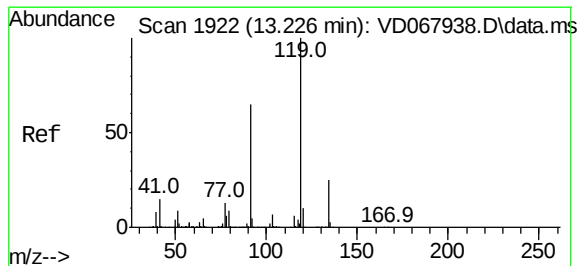
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#280 (-)  
4-Chlorotoluene  
Concen: 53.20 ug/l  
RT: 13.002 min Scan# 1884  
Delta R.T. -0.006 min  
Lab File: VD067959.D  
Acq: 28 Dec 2020 16:47

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 646229 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 126       | 33.2  | 17.0  | 51.0   |





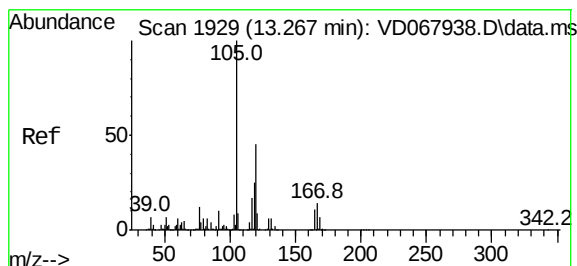
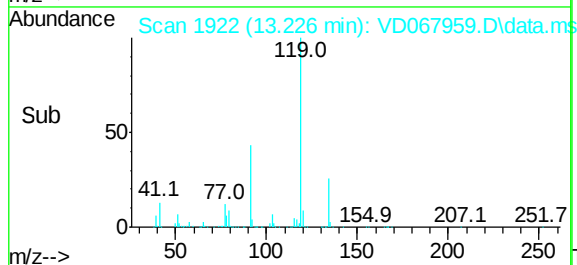
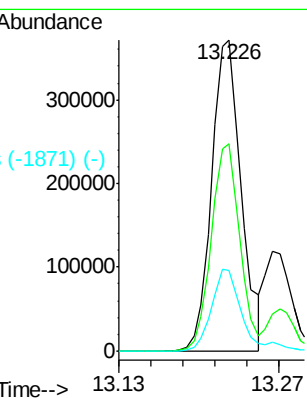
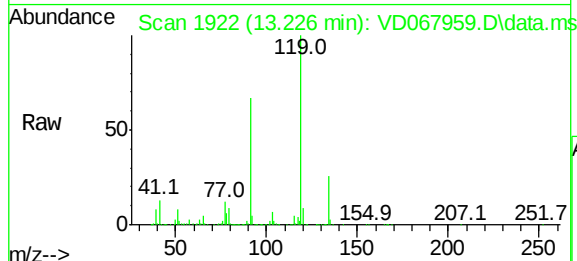
#8913 (-)  
tert-Butylbenzene  
Concen: 55.55 ug/l  
RT: 13.226 min Scan# 1922  
Delta R.T. 0.000 min  
Lab File: VD067959.D  
Acq: 28 Dec 2020 16:47

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 119   | Resp: | 624606 |
| Ion Ratio | Lower | Upper |        |
| 119       | 100   |       |        |
| 91        | 64.4  | 32.7  | 98.1   |
| 134       | 26.9  | 13.3  | 39.8   |

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

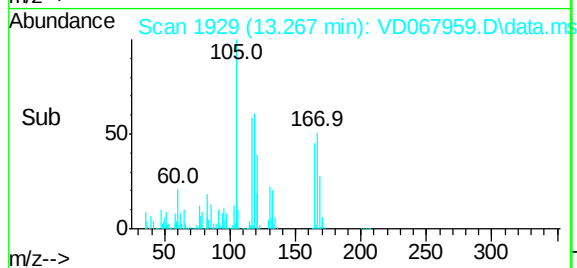
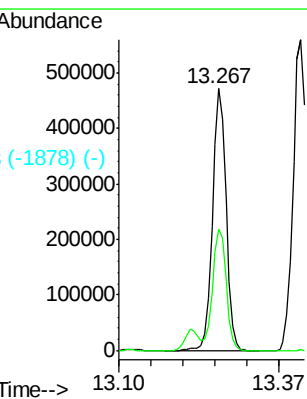
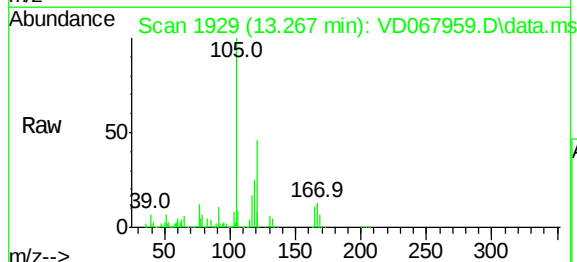
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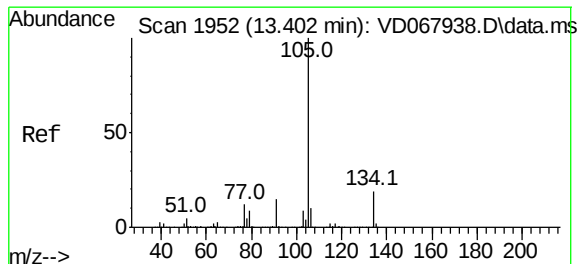
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#8916 (-)  
1,2,4-Trimethylbenzene  
Concen: 53.60 ug/l  
RT: 13.267 min Scan# 1929  
Delta R.T. 0.000 min  
Lab File: VD067959.D  
Acq: 28 Dec 2020 16:47

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 105   | Resp: | 734841 |
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 120       | 46.9  | 22.7  | 68.0   |



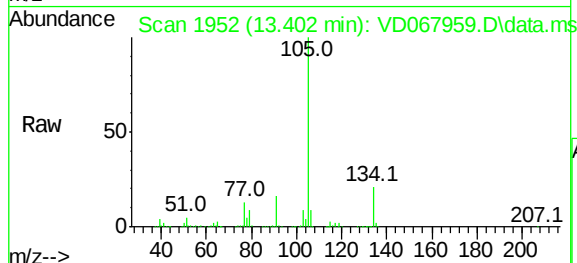


#8543 (-)  
 sec-Butylbenzene  
 Concen: 53.43 ug/l  
 RT: 13.402 min Scan# 1952  
 Delta R.T. 0.000 min  
 Lab File: VD067959.D  
 Acq: 28 Dec 2020 16:47

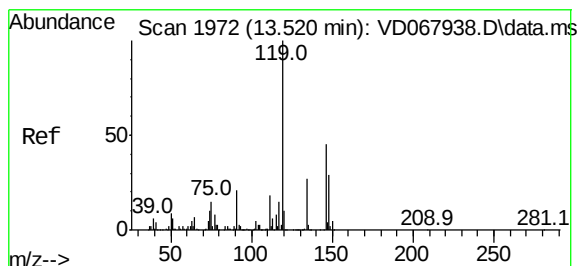
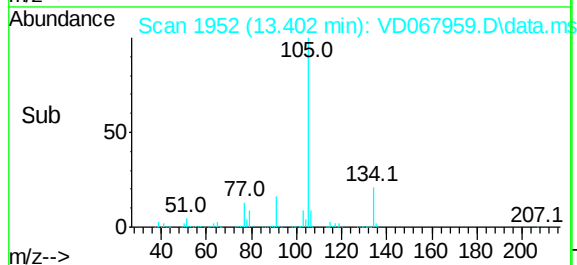
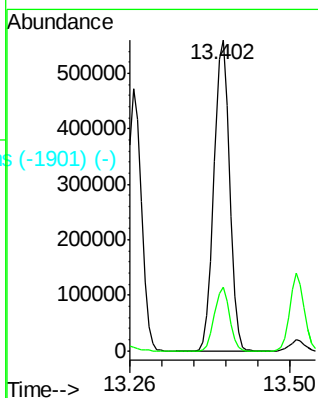
Instrument :  
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 ClientSampleId :  
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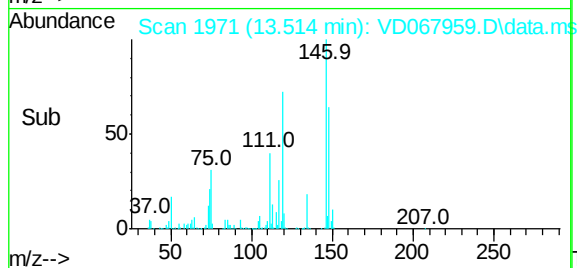
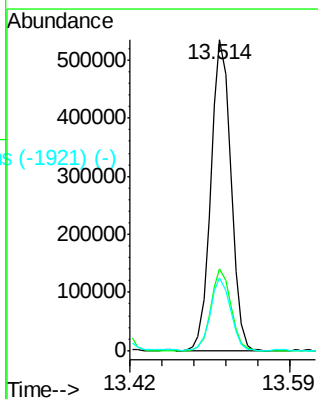
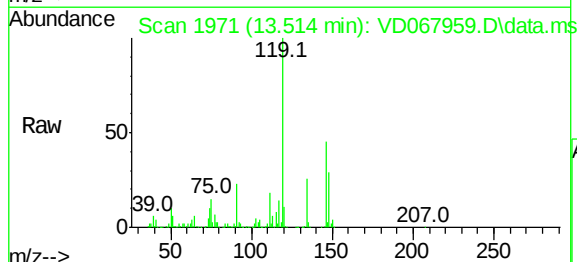


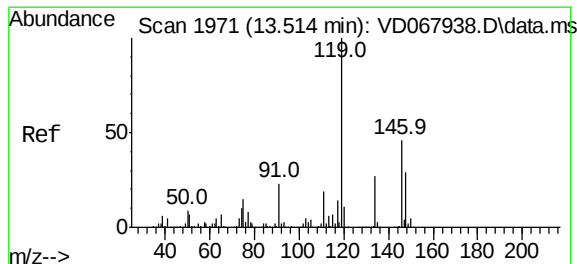
Tgt Ion:105 Resp: 879024  
 Ion Ratio Lower Upper  
 105 100  
 134 19.8 9.7 29.1



#8564 (-)  
 p-Isopropyltoluene  
 Concen: 55.34 ug/l  
 RT: 13.514 min Scan# 1971  
 Delta R.T. -0.006 min  
 Lab File: VD067959.D  
 Acq: 28 Dec 2020 16:47

Tgt Ion:119 Resp: 801194  
 Ion Ratio Lower Upper  
 119 100  
 134 26.0 13.3 39.9  
 91 23.4 11.4 34.2



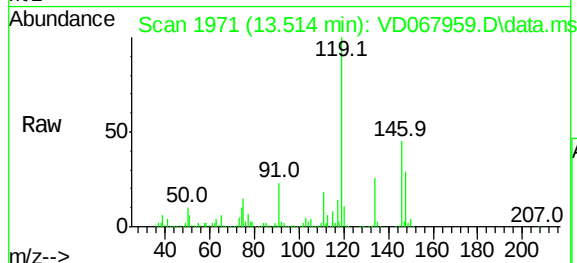


#8763 (-)  
 1,3-Dichlorobenzene  
 Concen: 51.68 ug/l  
 RT: 13.514 min Scan# 1971  
 Delta R.T. 0.000 min  
 Lab File: VD067959.D  
 Acq: 28 Dec 2020 16:47

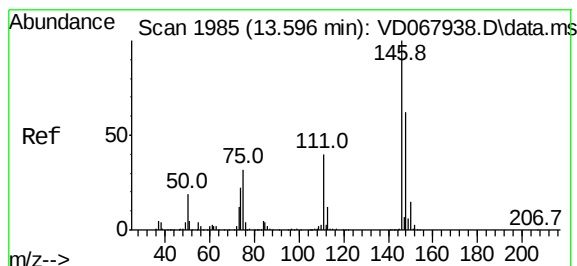
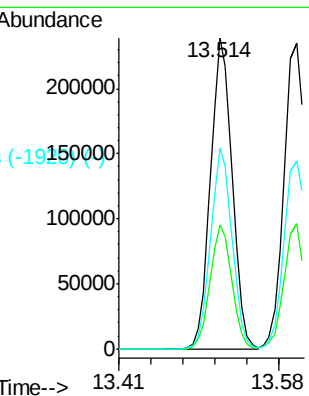
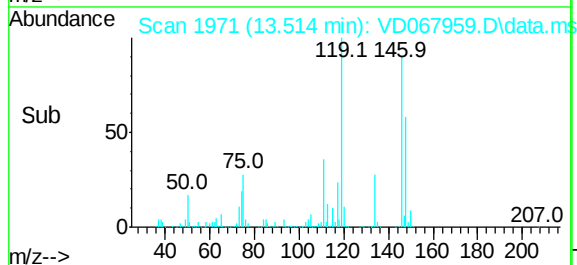
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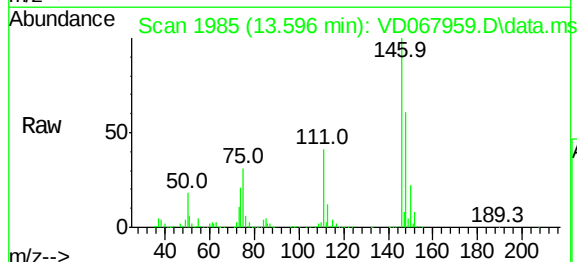
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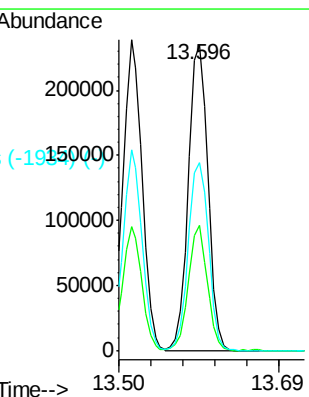
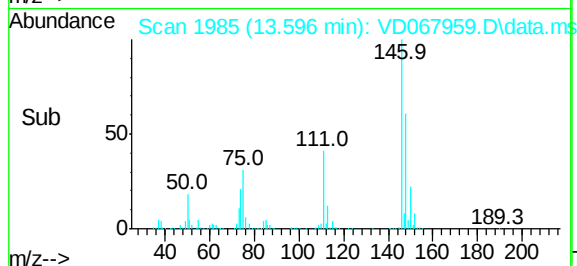
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 146   | Resp: | 386886 |
| Ion      | Ratio | Lower | Upper  |
| 146      | 100   |       |        |
| 111      | 39.8  | 20.3  | 60.9   |
| 148      | 64.1  | 31.8  | 95.4   |

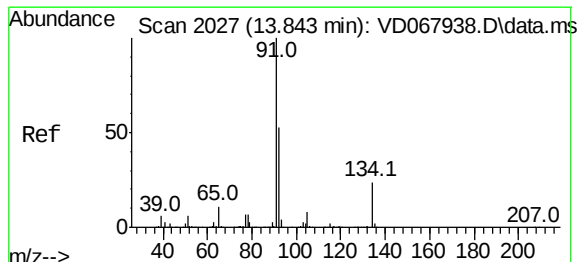


#8778 (-)  
 1,4-Dichlorobenzene  
 Concen: 52.03 ug/l  
 RT: 13.596 min Scan# 1985  
 Delta R.T. 0.000 min  
 Lab File: VD067959.D  
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|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 146   | Resp: | 384627 |
| Ion      | Ratio | Lower | Upper  |
| 146      | 100   |       |        |
| 111      | 39.2  | 19.4  | 58.2   |
| 148      | 63.5  | 31.9  | 95.9   |





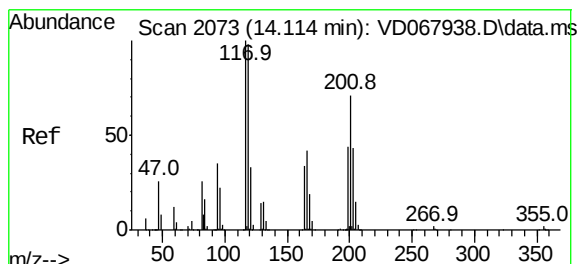
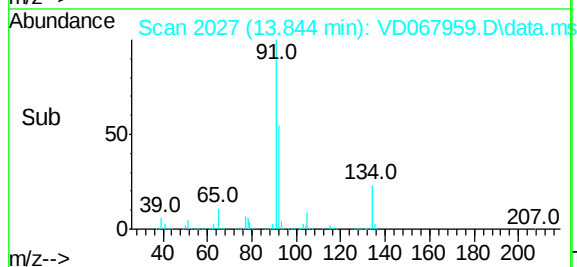
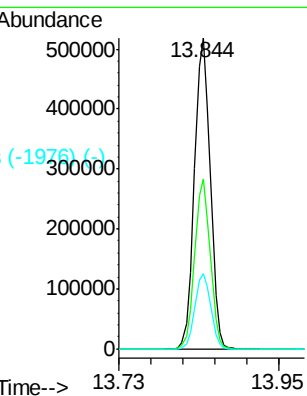
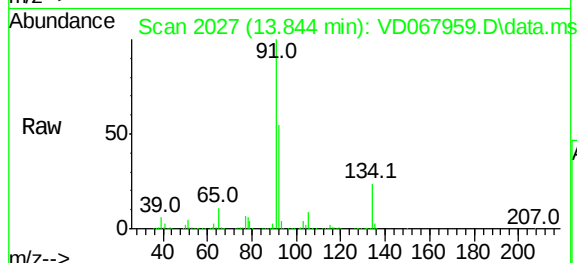
#9017 (-)  
n-Butylbenzene  
Concen: 54.69 ug/l  
RT: 13.844 min Scan# 2027  
Delta R.T. 0.000 min  
Lab File: VD067959.D  
Acq: 28 Dec 2020 16:47

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 785322 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 92       | 53.6  | 26.8  | 80.3   |
| 134      | 24.2  | 12.3  | 36.9   |

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

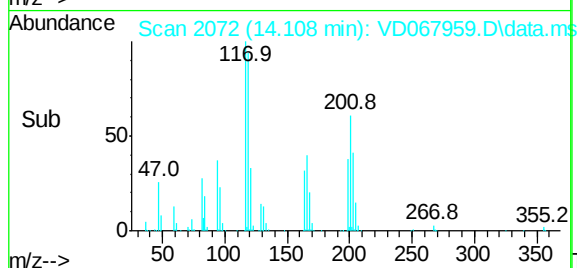
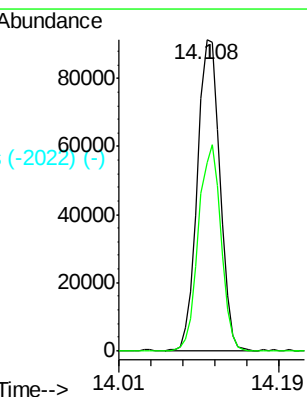
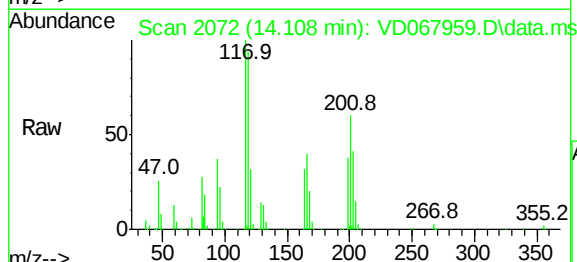
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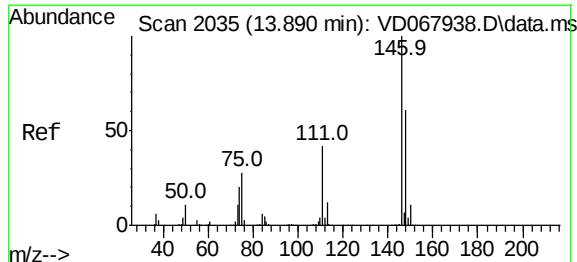
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#9064 (-)  
Hexachloroethane  
Concen: 53.27 ug/l  
RT: 14.108 min Scan# 2072  
Delta R.T. -0.006 min  
Lab File: VD067959.D  
Acq: 28 Dec 2020 16:47

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 157565 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 201      | 66.0  | 34.3  | 102.8  |





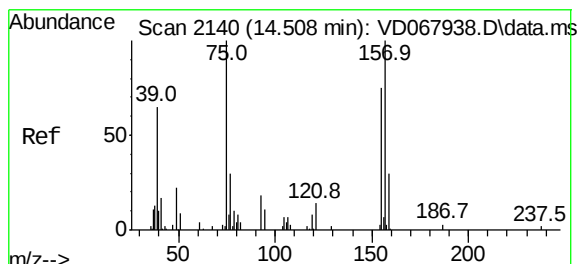
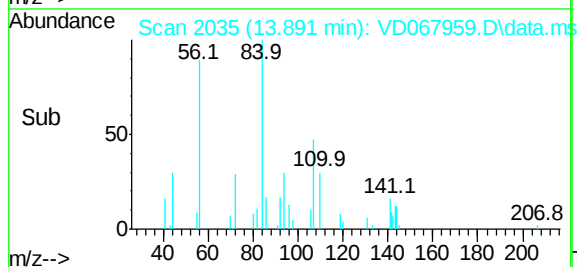
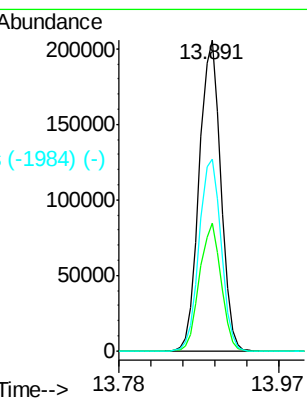
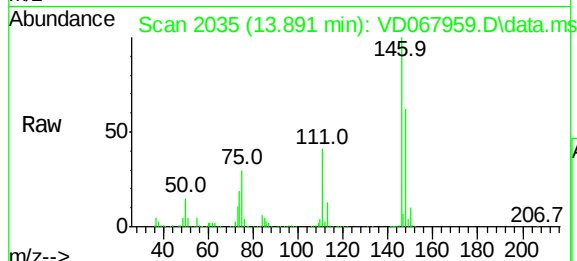
#9126 (-)  
1,2-Dichlorobenzene  
Concen: 53.68 ug/l  
RT: 13.891 min Scan# 2035  
Delta R.T. 0.000 min  
Lab File: VD067959.D  
Acq: 28 Dec 2020 16:47

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 146   | Resp: | 338331 |
| Ion      | Ratio | Lower | Upper  |
| 146      | 100   |       |        |
| 111      | 41.0  | 20.8  | 62.5   |
| 148      | 63.1  | 31.6  | 95.0   |

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

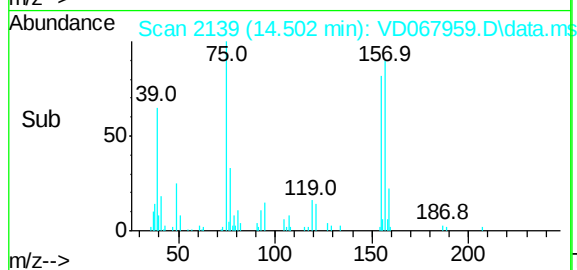
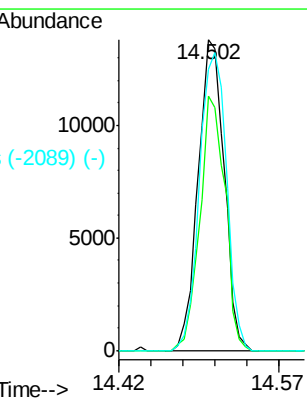
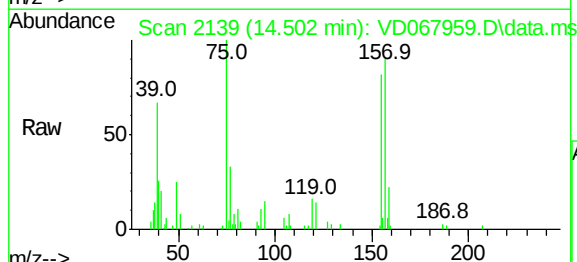
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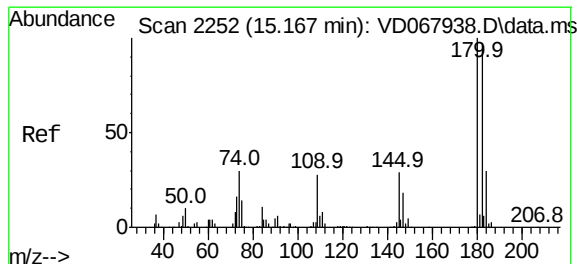
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#9131 (-)  
1,2-Dibromo-3-Chloropropane  
Concen: 49.31 ug/l  
RT: 14.502 min Scan# 2139  
Delta R.T. -0.006 min  
Lab File: VD067959.D  
Acq: 28 Dec 2020 16:47

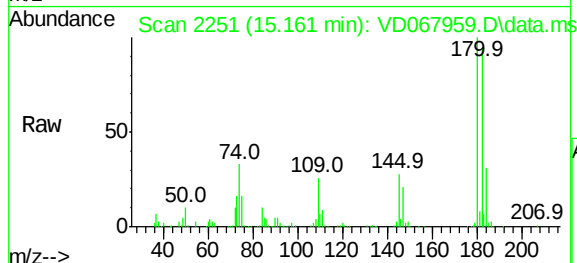
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 23574 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 155      | 79.4  | 39.8  | 119.3 |
| 157      | 99.5  | 50.6  | 151.9 |





#9342 (-)  
1,2,4-Trichlorobenzene  
Concen: 56.70 ug/l  
RT: 15.161 min Scan# 2251  
Delta R.T. -0.006 min  
Lab File: VD067959.D  
Acq: 28 Dec 2020 16:47

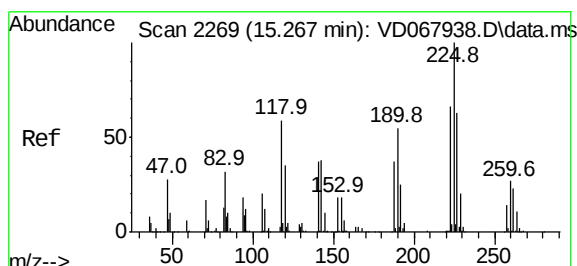
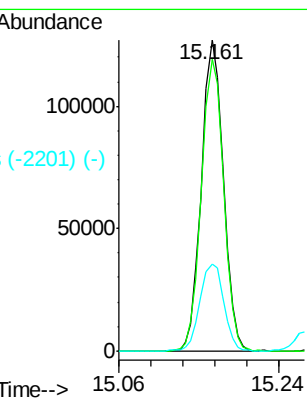
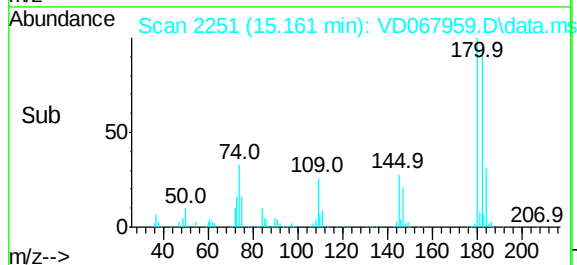
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC



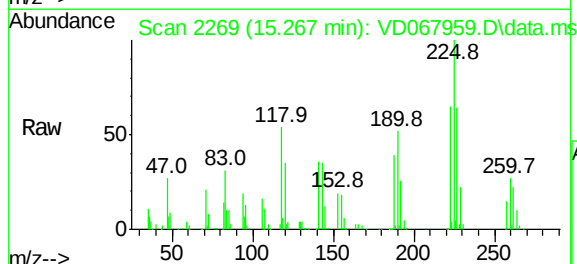
Tgt Ion:180 Resp: 212174  
Ion Ratio Lower Upper  
180 100  
182 95.5 48.0 144.2  
145 30.4 15.8 47.3

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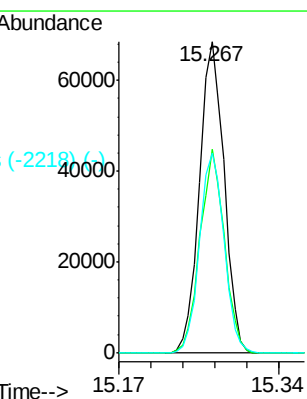
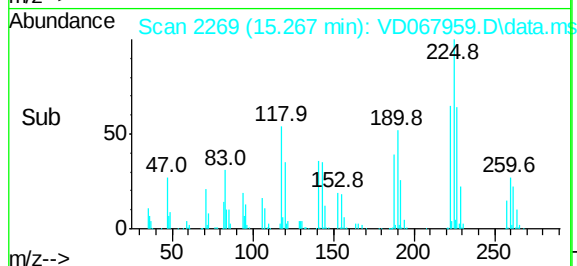
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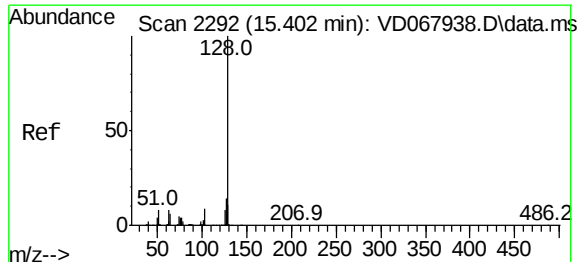


#9340 (-)  
Hexachlorobutadiene  
Concen: 53.56 ug/l  
RT: 15.267 min Scan# 2269  
Delta R.T. 0.000 min  
Lab File: VD067959.D  
Acq: 28 Dec 2020 16:47



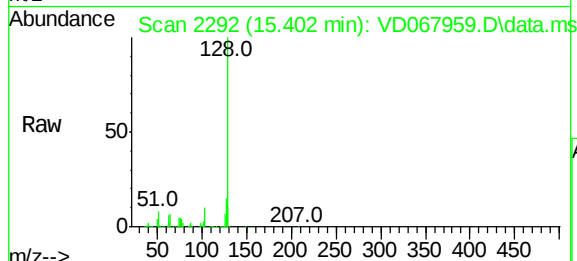
Tgt Ion:225 Resp: 117269  
Ion Ratio Lower Upper  
225 100  
223 64.3 33.4 100.2  
227 63.8 31.7 95.1





#953 (-)  
Naphthalene  
Concen: 57.86 ug/l  
RT: 15.402 min Scan# 2292  
Delta R.T. 0.000 min  
Lab File: VD067959.D  
Acq: 28 Dec 2020 16:47

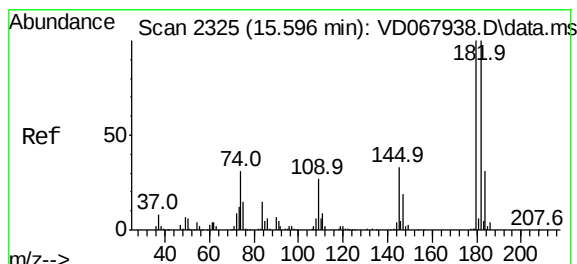
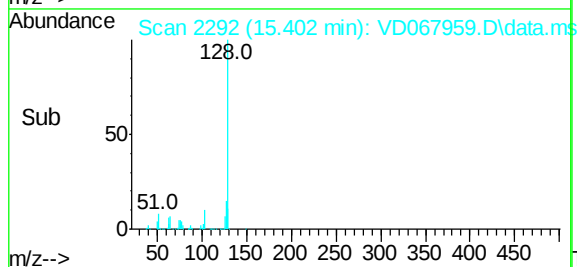
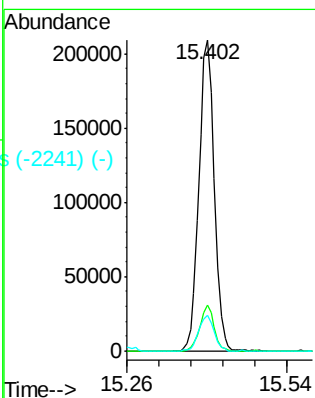
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC



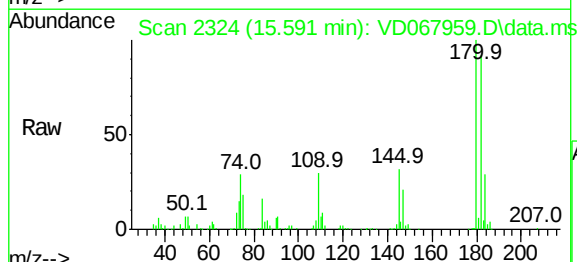
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 128   | Resp: | 382616 |
| Ion      | Ratio | Lower | Upper  |
| 128      | 100   |       |        |
| 127      | 13.4  | 11.2  | 16.8   |
| 129      | 11.2  | 8.6   | 12.8   |

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#955 (-)  
1,2,3-Trichlorobenzene  
Concen: 56.48 ug/l  
RT: 15.591 min Scan# 2324  
Delta R.T. -0.006 min  
Lab File: VD067959.D  
Acq: 28 Dec 2020 16:47



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 180   | Resp: | 182607 |
| Ion      | Ratio | Lower | Upper  |
| 180      | 100   |       |        |
| 182      | 94.4  | 50.2  | 150.6  |
| 145      | 32.5  | 17.0  | 51.0   |

